

# Areamaster™ Generation 2 and High Lumen LED Luminaire

## Floodlight for Hazardous Locations

### NEC/CEC:

Class I, Division 2, Groups A, B, C, D  
Class I, Zone 2 AEx/Ex ec Group IIC Gc  
Class II, Division 1 and 2, Groups E, F, G  
Class III  
Zone 20 and 21 Group IIIC

### NEC/CEC:

Zone 21, AEx/Ex tb Group IIIC Db  
Simultaneous Exposure  
Marine Outside Type (Salt Water) for USA ONLY  
Wet Locations  
Type 3R, 4, 4X, IP66/67

### ATEX/IECEx:

Zone 2, 21, 22  
IP66  
II 2D 3G  
IK10  
Ex ec IIC T5

### Applications

- Enclosed and gasketed fixtures suitable for use in a wide range of industrial, chemical processing and other areas where flammable gases and vapors are present, for example:
  - Oil and Gas Refineries
  - Petrochemical Plants
  - Foundries
  - Drilling Rigs
  - Pulp and Paper Mills
  - Food and Beverage Processing Facilities
  - Loading Docks
  - Power Plants
  - Water and Wastewater Treatment Facilities
  - Other areas where corrosive, wet, dirty and tough environments are a problem
- IP66/IP67, Type 4X, marine and wet locations. IP66 for IECEx/ATEX.
- Locations requiring dependable, consistent lighting in extreme hot/cold temperature environments. -40°C to +65°C (-40°F to +149°F) ambient temperature range. -40°C to +55°C (-40°F to +131°F) for high lumen AMLHL3 output.
- Globally rated luminaires with all applicable certification labels for NEC/CEC and ATEX/IECEx environments. See Certifications and Compliances for details.

### Features

- Six lumen outputs provide up to 38,000 lumens.

| Nominal Lumens ① | Wattage (W) | Efficacy (lpw) | HID Equivalent | Model Number |
|------------------|-------------|----------------|----------------|--------------|
| 9,500            | 70          | 136            | 175W-250W      | AMLGL6       |
| 15,000           | 111         | 135            | 250W-400W      | AMLGL7       |
| 19,500           | 152         | 125            | 400W-750W      | AMLGL8       |
| 24,000           | 177         | 136            | 1000W          | AMLHL1       |
| 30,000           | 221         | 136            | 1000-1500W     | AMLHL2       |
| 38,000           | 297         | 128            | 1500W          | AMLHL3       |

① Nominal lumen value for 5000K, NEMA 7x7, with clear glass.  
Detailed lumen information provided in tables.

- Choice of optics for optimal light distribution in a variety of applications.
- Separate field wiring compartment with screw terminal block for easy and secure connection (can accept UL/CSA 26-10AWG).
- Two 3/4" NPT entries provided. Optional M20 metric adapters available.
- Yoke bracket is designed to accommodate traditional Areamaster brackets and slipfitters for easy retrofit. Optional stainless steel yoke bracket is available.
- Choice of color temperature (CCT): 5000K cool white, 4000K neutral white, or 3000K warm white.
- Rugged and compact housing with superior thermal design translates to long luminaire life.
- Heavy duty, high temperature silicone rubber gaskets.
- Thermal shock and impact resistant clear or frosted glass lens.
- Standard 6KV surge protection.
- Captive fasteners secure one piece lens.
- Field replaceable LED driver and lens cover.



AMLH

### Options

- Improved safety cable design with multiple retention points, purchase separately
- Guard and visor available, purchase separately
- Slip-fitters and mounting brackets available for easy pole or wall mounting
- Stainless steel yoke bracket
- 10kV Surge Protection, for NEC/CEC only

### Standard Materials

- Housing and lens door: copperfree (4/10 of 1% max.) aluminum
- Gaskets: silicone rubber
- Yoke: zinc plated HR steel
- Bolts: stainless steel
- Close up plugs: (1) aluminum provided
- Guard and safety cable: stainless steel
- Visor: Aluminum

### Standard Finishes

- Housing, lens cover, visor and yoke mount: architectural bronze polyester

### Related Products

- Industrial Areamaster Generation 2 and High Lumen LED
- Round Tapered Steel Poles
- Hinged Steel Poled
- Square Tapered Steel Poles
- Square Steel Poles
- Floodlight Mounting Brackets

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### NEC/CEC Certifications and Compliances

- UL Standards:
  - UL844, Luminaires for Use in Hazardous Locations
  - UL1598, Luminaires
  - UL1598A, Luminaires for Installation on Marine Vessels
  - UL 8750, LED Equipment for Use in Lighting Products
- CSA Standards:
  - CSA C22.2 No. 250.0, Luminaires
  - CSA C22.2 No. 137, Luminaires for Use in Hazardous Locations
- cCSAus 164460 Certificate Number: AMLG – 70073611, AMLH – 70073613

### ATEX/IECEX Certifications and Compliances

- Certification Type: Areamaster Generation 2 and High Lumen LED
  - Gas: Zone 2
    - Conforming to ATEX 2014/34/EU: Ⓔ II 3G
    - Type of Protection: Ex ec IIC Gc
    - Temperature Class: AMLG – T5 to T3; AMLH – T4 to T3

– Dust: Zones 21 and 22

– Conforming to ATEX 2014/34/EU: Ⓔ II 2D

– Type of Protection: Ex op is tb IIIC Db

– Surface Temperature: +85°C to +100°C (+185°F to +212°F)

- Ambient Temperature: -40°C up to +65°C (-40°F up to +149 °F). -40°C to +55°C (-40°F to +131°F) for high lumen AMLHL3 output.

• ATEX Certificate: ITS18ATEX104171 Issue 01

• IECEx Certificate: IECEx ITS 18.0049\_1

• Index of Protection according EN/IEC 60529: IP66

• Impact Resistance (shock): IK10

• Photobiological Safety, IEC 62778 and IEC 62471: Risk Group 1 (RG1)

### DesignLights™ Consortium (for the following models)

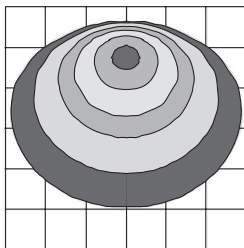
- DLC Standard Approved. Check QPL at [www.designlights.org/search/](http://www.designlights.org/search/) for current list of products.

### Illustrated Features

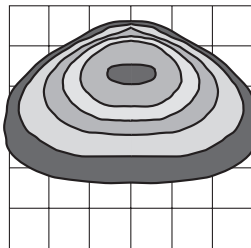
#### Light Where You Need It

Choose from 3 color temperatures and a variety of secondary optics to put light where your application needs it most. Unsure of which optic is best for your job? Contact your sales representative to get a free 3D Dialux simulation.

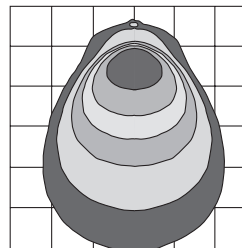
#### The Right Beam Pattern for Your Application



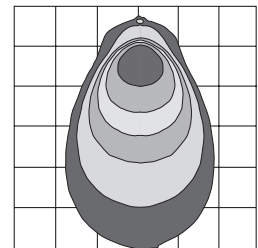
NEMA 7x7 – Uniform light spread, perfect for most typical flood lighting applications.



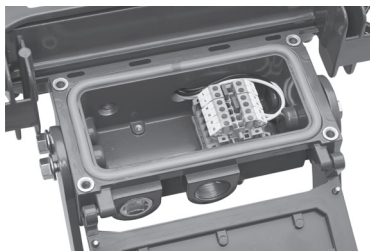
NEMA 7x6 – Mimics traditional HID light distribution. Light intensity is directed forward and side-to-side to maximize spacing between luminaires.



NEMA 5x5 – Narrow, spot type forward intensity focus. Enables higher mounting heights (50 ft / 15m+) while maintaining delivered light on surface (footcandles/lux).

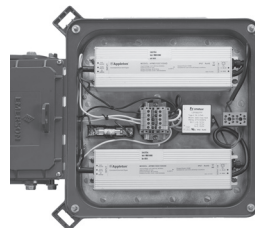


NEMA 3x3 – Very Narrow, spot type forward intensity focus. Enables highest mounting heights (100 ft / 30m+) while maintaining delivered light on surface (footcandles/lux).



#### Front-Facing Wiring Compartment

The Areamaster gasketed front wiring compartment with screw terminal block, and captive screws offers unmatched installation ease and convenience.



#### Replaceable Drivers

Easy to access, field replaceable drivers extend the useful life of your luminaire up to 200,000 hours or more. Shown above, the Areamaster High Lumen which demands two LED drivers for the very bright outputs up to 38,000 lumens.



#### Visor and Guard

Whether using to comply with light pollution regulations, or simply controlling your light more and protection your lens, our optional visor and guards are readily available for your applications.

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### ATEX/IECEX:

Zone 2, 21, 22  
IP66  
II 2D 3G  
IK10  
Ex ec IIC T5

Order using catalog numbering guides below or select catalog number from tables on following pages.

#### AMLG

Series:  
AMLG:  
Areamaster 2 LED

#### L7

Lumen Level ① :  
L6 - 9K  
L7 - 15K  
L8 - 19K

#### C

Color Temp CCT:  
C - 5000K  
N - 4000K  
W - 3000K

#### G

Diffusion:  
G - Clear Glass  
F - Frosted Glass  
D - Diffused Polycarbonate ⑤

#### 7

Beam Spread:  
6 - 7x7 (non-optic)  
7 - 7x6

#### BU

Voltage:  
BU - 120-277 Vac 50/60 Hz, 125-300 VDC  
BH - 347-480 Vac 50/60 Hz ③

#### S

Options:  
F - Fusing ②  
S - 10 KV Surge Protection ④  
M - M20 Metric Cable Entry Adapters

#### AMLH

Series:  
AMLH:  
Areamaster 2 HL LED Series

#### L7

Lumen Level ① :  
L1 - 24K  
L2 - 30K  
L3 - 38K

#### C

Color Temp CCT:  
C - 5000K  
N - 4000K  
W - 3000K

#### G

Diffusion:  
G - Clear Glass  
F - Frosted Glass

#### 7

Beam Spread:  
3 - NEMA 3x3  
5 - NEMA 5x5  
6 - NEMA 7x7 (non-optic)  
7 - NEMA 7x6

#### BU

Voltage:  
BU - 120-277 Vac 50/60 Hz, 125-300 VDC  
BH - 347-480 Vac 50/60 Hz ③

#### S

Options:  
F - Fusing ②  
S - 10 KV Surge Protection ④  
M - M20 Metric Cable Entry Adapters

① All lumen values are typical (tolerance +/- 10%)

② Use of fuse voids Marine rating. Fusing available for NEC/CEC only.

③ BH voltage available for NEC/CEC only.

④ 10kV Surge Protection available for NEC/CEC only.

⑤ Diffused polycarbonate available for NEC/CEC only.

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### Lumen Output Tables — AMLG

| Diffusion                                                                           | Color Temperature CCT | Lumen Output ① | Wattage | Efficacy (lm/W) | Optical Pattern | Catalog Number ② |
|-------------------------------------------------------------------------------------|-----------------------|----------------|---------|-----------------|-----------------|------------------|
|    | 5000K Cool White      | 9,900          | 70      | 141             | NEMA 7x7        | AMLGL6CG6BU      |
|                                                                                     |                       | 9,500          |         | 136             | NEMA 7x6        | AMLGL6CG7BU      |
|                                                                                     |                       | 15,000         | 111     | 135             | NEMA 7x7        | AMLGL7CG6BU      |
|                                                                                     |                       | 14,500         |         | 131             | NEMA 7x6        | AMLGL7CG7BU      |
|                                                                                     |                       | 19,500         | 152     | 128             | NEMA 7x7        | AMLGL8CG6BU      |
|                                                                                     |                       | 18,500         |         | 122             | NEMA 7x6        | AMLGL8CG7BU      |
|                                                                                     | 4000K Neutral White   | 9,000          | 70      | 129             | NEMA 7x7        | AMLGL6NG6BU      |
|                                                                                     |                       | 8,500          |         | 121             | NEMA 7x6        | AMLGL6NG7BU      |
|                                                                                     |                       | 13,650         | 111     | 123             | NEMA 7x7        | AMLGL7NG6BU      |
|                                                                                     |                       | 12,950         |         | 117             | NEMA 7x6        | AMLGL7NG7BU      |
|                                                                                     |                       | 17,550         | 152     | 115             | NEMA 7x7        | AMLGL8NG6BU      |
|                                                                                     |                       | 16,550         |         | 109             | NEMA 7x6        | AMLGL8NG7BU      |
|                                                                                     | 3000K Warm White      | 7,650          | 70      | 109             | NEMA 7x7        | AMLGL6WG6BU      |
|                                                                                     |                       | 7,350          |         | 105             | NEMA 7x6        | AMLGL6WG7BU      |
|                                                                                     |                       | 11,500         | 111     | 104             | NEMA 7x7        | AMLGL7WG6BU      |
|                                                                                     |                       | 11,000         |         | 99              | NEMA 7x6        | AMLGL7WG7BU      |
|                                                                                     |                       | 15,000         | 152     | 99              | NEMA 7x7        | AMLGL8WG6BU      |
|                                                                                     |                       | 14,500         |         | 95              | NEMA 7x6        | AMLGL8WG7BU      |
|  | 5000K Cool White      | 8,300          | 70      | 119             | NEMA 7x7        | AMLGL6CF6BU      |
|                                                                                     |                       | 7,900          |         | 113             | NEMA 7x6        | AMLGL6CF7BU      |
|                                                                                     |                       | 12,500         | 111     | 113             | NEMA 7x7        | AMLGL7CF6BU      |
|                                                                                     |                       | 12,000         |         | 108             | NEMA 7x6        | AMLGL7CF7BU      |
|                                                                                     |                       | 16,550         | 152     | 109             | NEMA 7x7        | AMLGL8CF6BU      |
|                                                                                     |                       | 15,550         |         | 102             | NEMA 7x6        | AMLGL8CF7BU      |
|                                                                                     | 4000K Neutral White   | 7,500          | 70      | 107             | NEMA 7x7        | AMLGL6NF6BU      |
|                                                                                     |                       | 7,200          |         | 103             | NEMA 7x6        | AMLGL6NF7BU      |
|                                                                                     |                       | 11,350         | 111     | 102             | NEMA 7x7        | AMLGL7NF6BU      |
|                                                                                     |                       | 10,950         |         | 99              | NEMA 7x6        | AMLGL7NF7BU      |
|                                                                                     |                       | 14,500         | 152     | 95              | NEMA 7x7        | AMLGL8NF6BU      |
|                                                                                     |                       | 14,000         |         | 92              | NEMA 7x6        | AMLGL8NF7BU      |
|                                                                                     | 3000K Warm White      | 6,400          | 70      | 91              | NEMA 7x7        | AMLGL6WF6BU      |
|                                                                                     |                       | 6,200          |         | 89              | NEMA 7x6        | AMLGL6WF7BU      |
|                                                                                     |                       | 9,700          | 111     | 87              | NEMA 7x7        | AMLGL7WF6BU      |
|                                                                                     |                       | 9,400          |         | 85              | NEMA 7x6        | AMLGL7WF7BU      |
|                                                                                     |                       | 12,500         | 152     | 82              | NEMA 7x7        | AMLGL8WF6BU      |
|                                                                                     |                       | 12,000         |         | 79              | NEMA 7x6        | AMLGL8WF7BU      |

① All lumen values and wattage typical (tolerance +/- 10%)

② For 347-480 Vac voltage, change **-BU** suffix to **-BH**, example AMLGL1CG6BH.

For 3/4" NPT to M20 metric adapters, add suffix **-M** to end of part number, example AMLGL1CG6BUM.

For Fusing option, add suffix **-F** to end of part number, example AMLGL1CG6BUF.

For 10KV surge protection, add suffix **-S** to end of part number, example AMLGL1CG7BUS.

For both Fusing and 10KV surge, add suffix **-FS** to end of part number, example AMLGL1CG7BUFS.

See catalog numbering guide for certification restrictions.

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### Lumen Output Tables — AMLG

| Diffusion                                                                         | Color Temperature CCT                      | Lumen Output ① | Wattage | Efficacy (lm/W) | Optical Pattern | Catalog Number ② |
|-----------------------------------------------------------------------------------|--------------------------------------------|----------------|---------|-----------------|-----------------|------------------|
|  | 5000K Cool White                           | 8,050          | 70      | 115             | NEMA 7x7        | AMLGL6CD6BU      |
|                                                                                   |                                            | 7,700          |         | 110             | NEMA 7x6        | AMLGL6CD7BU      |
|                                                                                   |                                            | 12,200         | 111     | 110             | NEMA 7x7        | AMLGL7CD6BU      |
|                                                                                   |                                            | 11,700         |         | 105             | NEMA 7x6        | AMLGL7CD7BU      |
|                                                                                   |                                            | 15,650         | 152     | 103             | NEMA 7x7        | AMLGL8CD6BU      |
|                                                                                   |                                            | 15,000         |         | 99              | NEMA 7x6        | AMLGL8CD7BU      |
|                                                                                   | Diffused Polycarbonate 4000K Neutral White | 7,300          | 70      | 104             | NEMA 7x7        | AMLGL6ND6BU      |
|                                                                                   |                                            | 6,950          |         | 99              | NEMA 7x6        | AMLGL6ND7BU      |
|                                                                                   |                                            | 11,000         | 111     | 99              | NEMA 7x7        | AMLGL7ND6BU      |
|                                                                                   |                                            | 10,550         |         | 95              | NEMA 7x6        | AMLGL7ND7BU      |
|                                                                                   |                                            | 14,150         | 152     | 93              | NEMA 7x7        | AMLGL8ND6BU      |
|                                                                                   |                                            | 13,500         |         | 89              | NEMA 7x6        | AMLGL8ND7BU      |
|                                                                                   | 3000K Warm White                           | 6,250          | 70      | 89              | NEMA 7x7        | AMLGL6WD6BU      |
|                                                                                   |                                            | 5,950          |         | 85              | NEMA 7x6        | AMLGL6WD7BU      |
|                                                                                   |                                            | 9,450          | 111     | 85              | NEMA 7x7        | AMLGL7WD6BU      |
|                                                                                   |                                            | 9,000          |         | 81              | NEMA 7x6        | AMLGL7WD7BU      |
|                                                                                   |                                            | 12,100         | 152     | 80              | NEMA 7x7        | AMLGL8WD6BU      |
|                                                                                   |                                            | 11,500         |         | 76              | NEMA 7x6        | AMLGL8WD7BU      |

① All lumen values and wattage typical (tolerance +/- 10%)

② For 347-480 Vac voltage, change **-BU** suffix to **-BH**, example AMLGL1CG6BH.

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For Fusing option, add suffix **-F** to end of part number, example AMLGL1CG6BUF.

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For both Fusing and 10KV surge, add suffix **-FS** to end of part number, example AMLGL1CG7BUFS.

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| Diffusion                                                                          | Color Temperature CCT | Lumen Output ① | Wattage | Efficacy (lm/W) | Optical Pattern | Catalog Number ② |
|------------------------------------------------------------------------------------|-----------------------|----------------|---------|-----------------|-----------------|------------------|
|  | 5000K Cool White      | 24,250         | 178     | 136             | NEMA 7x7        | AMLHL1CG6BU      |
|                                                                                    |                       | 23,000         |         | 129             | NEMA 7x6        | AMLHL1CG7BU      |
|                                                                                    |                       | 25,000         |         | 140             | NEMA 5x5        | AMLHL1CG5BU      |
|                                                                                    |                       | 22,750         |         | 128             | NEMA 3x3        | AMLHL1CG3BU      |
|                                                                                    |                       | 29,750         | 222     | 134             | NEMA 7x7        | AMLHL2CG6BU      |
|                                                                                    |                       | 27,950         |         | 126             | NEMA 7x6        | AMLHL2CG7BU      |
|                                                                                    |                       | 30,000         |         | 135             | NEMA 5x5        | AMLHL2CG5BU      |
|                                                                                    |                       | 27,500         |         | 124             | NEMA 3x3        | AMLHL2CG3BU      |
|                                                                                    |                       | 37,400         | 298     | 126             | NEMA 7x7        | AMLHL3CG6BU      |
|                                                                                    |                       | 35,350         |         | 119             | NEMA 7x6        | AMLHL3CG7BU      |
|                                                                                    |                       | 37,500         |         | 126             | NEMA 5x5        | AMLHL3CG5BU      |
|                                                                                    |                       | 34,750         |         | 117             | NEMA 3x3        | AMLHL3CG3BU      |
|                                                                                    | Clear Glass           | 21,300         | 178     | 120             | NEMA 7x7        | AMLHL1NG6BU      |
|                                                                                    |                       | 20,500         |         | 115             | NEMA 7x6        | AMLHL1NG7BU      |
|                                                                                    |                       | 21,900         |         | 123             | NEMA 5x5        | AMLHL1NG5BU      |
|                                                                                    |                       | 20,250         |         | 114             | NEMA 3x3        | AMLHL1NG3BU      |
|                                                                                    |                       | 26,100         | 222     | 118             | NEMA 7x7        | AMLHL2NG6BU      |
|                                                                                    |                       | 25,000         |         | 113             | NEMA 7x6        | AMLHL2NG7BU      |
|                                                                                    |                       | 26,700         |         | 120             | NEMA 5x5        | AMLHL2NG5BU      |
|                                                                                    |                       | 24,600         |         | 111             | NEMA 3x3        | AMLHL2NG3BU      |
|                                                                                    |                       | 32,800         | 298     | 110             | NEMA 7x7        | AMLHL3NG6BU      |
|                                                                                    |                       | 31,500         |         | 106             | NEMA 7x6        | AMLHL3NG7BU      |
|                                                                                    |                       | 33,600         |         | 113             | NEMA 5x5        | AMLHL3NG5BU      |
|                                                                                    |                       | 30,950         |         | 104             | NEMA 3x3        | AMLHL3NG3BU      |
|                                                                                    | 3000K Warm White      | 20,100         | 178     | 113             | NEMA 7x7        | AMLHL1WG6BU      |
|                                                                                    |                       | 19,000         |         | 107             | NEMA 7x6        | AMLHL1WG7BU      |
|                                                                                    |                       | 20,850         |         | 117             | NEMA 5x5        | AMLHL1WG5BU      |
|                                                                                    |                       | 19,350         |         | 109             | NEMA 3x3        | AMLHL1WG3BU      |
|                                                                                    |                       | 24,650         | 222     | 111             | NEMA 7x7        | AMLHL2WG6BU      |
|                                                                                    |                       | 23,200         |         | 105             | NEMA 7x6        | AMLHL2WG7BU      |
|                                                                                    |                       | 25,500         |         | 115             | NEMA 5x5        | AMLHL2WG5BU      |
|                                                                                    |                       | 23,450         |         | 106             | NEMA 3x3        | AMLHL2WG3BU      |
|                                                                                    |                       | 31,000         | 298     | 104             | NEMA 7x7        | AMLHL3WG6BU      |
|                                                                                    |                       | 29,300         |         | 98              | NEMA 7x6        | AMLHL3WG7BU      |
|                                                                                    |                       | 32,000         |         | 107             | NEMA 5x5        | AMLHL3WG5BU      |
|                                                                                    |                       | 29,500         |         | 99              | NEMA 3x3        | AMLHL3WG3BU      |

① All lumen values and wattage typical (tolerance +/- 10%)

② For 347-480 Vac voltage, change **-BU** suffix to **-BH**, example AMLHL1CG6BH.

For 3/4" NPT to M20 metric adapters, add suffix **-M** to end of part number, example AMLHL1CG6BUM.

For Fusing option, add suffix **-F** to end of part number, example AMLHL1CG6BUF.

For 10KV surge protection, add suffix **-S** to end of part number, example AMLHL1CG7BUS.

For both Fusing and 10KV surge, add suffix **-FS** to end of part number, example AMLHL1CG7BUFS.

See catalog numbering guide for certification restrictions.



# Areamaster™ Generation 2 and High Lumen LED Luminaire

## Floodlight for Hazardous Locations

### NEC/CEC:

Class I, Division 2, Groups A, B, C, D  
Class I, Zone 2 AEx/Ex ec Group IIC Gc  
Class II, Division 1 and 2, Groups E, F, G  
Class III  
Zone 20 and 21 Group IIIC

### NEC/CEC:

Zone 21, AEx/Ex tb Group IIIC Db  
Simultaneous Exposure  
Marine Outside Type (Salt Water) for USA ONLY  
Wet Locations  
Type 3R, 4, 4X, IP66/67

### ATEX/IECEX:

Zone 2, 21, 22  
IP66  
II 2D 3G  
IK10  
Ex ec IIC T5

### Lumen Output Tables — AMLH

| Diffusion                                                                          | Color Temperature CCT | Lumen Output ① | Wattage | Efficacy (lm/W) | Optical Pattern | Catalog Number ② |
|------------------------------------------------------------------------------------|-----------------------|----------------|---------|-----------------|-----------------|------------------|
|  | 5000K Cool White      | 20,500         | 178     | 115             | NEMA 7x7        | AMLHL1CF6BU      |
|                                                                                    |                       | 19,500         |         | 110             | NEMA 7x6        | AMLHL1CF7BU      |
|                                                                                    |                       | 21,550         |         | 121             | NEMA 5x5        | AMLHL1CF5BU      |
|                                                                                    |                       | 20,000         |         | 112             | NEMA 3x3        | AMLHL1CF3BU      |
|                                                                                    |                       | 25,000         | 222     | 113             | NEMA 7x7        | AMLHL2CF6BU      |
|                                                                                    |                       | 23,700         |         | 107             | NEMA 7x6        | AMLHL2CF7BU      |
|                                                                                    |                       | 26,000         |         | 117             | NEMA 5x5        | AMLHL2CF5BU      |
|                                                                                    |                       | 24,750         |         | 111             | NEMA 3x3        | AMLHL2CF3BU      |
|                                                                                    |                       | 31,500         | 298     | 106             | NEMA 7x7        | AMLHL3CF6BU      |
|                                                                                    |                       | 29,950         |         | 101             | NEMA 7x6        | AMLHL3CF7BU      |
|                                                                                    |                       | 33,500         |         | 112             | NEMA 5x5        | AMLHL3CF5BU      |
|                                                                                    |                       | 31,000         |         | 104             | NEMA 3x3        | AMLHL3CF3BU      |
| Frosted Glass                                                                      | 4000K Neutral White   | 18,000         | 178     | 101             | NEMA 7x7        | AMLHL1NF6BU      |
|                                                                                    |                       | 17,300         |         | 97              | NEMA 7x6        | AMLHL1NF7BU      |
|                                                                                    |                       | 19,350         |         | 109             | NEMA 5x5        | AMLHL1NF5BU      |
|                                                                                    |                       | 17,950         |         | 101             | NEMA 3x3        | AMLHL1NF3BU      |
|                                                                                    |                       | 21,950         | 222     | 99              | NEMA 7x7        | AMLHL2NF6BU      |
|                                                                                    |                       | 21,000         |         | 95              | NEMA 7x6        | AMLHL2NF7BU      |
|                                                                                    |                       | 23,600         |         | 106             | NEMA 5x5        | AMLHL2NF5BU      |
|                                                                                    |                       | 21,950         |         | 99              | NEMA 3x3        | AMLHL2NF3BU      |
|                                                                                    |                       | 27,700         | 298     | 93              | NEMA 7x7        | AMLHL3NF6BU      |
|                                                                                    |                       | 26,550         |         | 89              | NEMA 7x6        | AMLHL3NF7BU      |
|                                                                                    |                       | 29,750         |         | 100             | NEMA 5x5        | AMLHL3NF5BU      |
|                                                                                    |                       | 27,500         |         | 92              | NEMA 3x3        | AMLHL3NF3BU      |
|                                                                                    | 3000K Warm White      | 16,850         | 178     | 95              | NEMA 7x7        | AMLHL1WF6BU      |
|                                                                                    |                       | 16,150         |         | 91              | NEMA 7x6        | AMLHL1WF7BU      |
|                                                                                    |                       | 18,600         |         | 104             | NEMA 5x5        | AMLHL1WF5BU      |
|                                                                                    |                       | 17,200         |         | 97              | NEMA 3x3        | AMLHL1WF3BU      |
|                                                                                    |                       | 20,550         | 222     | 93              | NEMA 7x7        | AMLHL2WF6BU      |
|                                                                                    |                       | 19,600         |         | 88              | NEMA 7x6        | AMLHL2WF7BU      |
|                                                                                    |                       | 22,650         |         | 102             | NEMA 5x5        | AMLHL2WF5BU      |
|                                                                                    |                       | 21,000         |         | 95              | NEMA 3x3        | AMLHL2WF3BU      |
|                                                                                    |                       | 26,000         | 298     | 87              | NEMA 7x7        | AMLHL3WF6BU      |
|                                                                                    |                       | 24,750         |         | 83              | NEMA 7x6        | AMLHL3WF7BU      |
|                                                                                    |                       | 28,600         |         | 96              | NEMA 5x5        | AMLHL3WF5BU      |
|                                                                                    |                       | 26,400         |         | 89              | NEMA 3x3        | AMLHL3WF3BU      |

① All lumen values and wattage typical (tolerance +/- 10%)

② For 347-480 Vac voltage, change **-BU** suffix to **-BH**, example AMLHL1CG6BH.

For 3/4" NPT to M20 metric adapters, add suffix **-M** to end of part number, example AMLHL1CG6BUM.

For Fusing option, add suffix **-F** to end of part number, example AMLHL1CG6BUF.

For 10KV surge protection, add suffix **-S** to end of part number, example AMLHL1CG7BUS.

For both Fusing and 10KV surge, add suffix **-FS** to end of part number, example AMLHL1CG7BUFS.

See catalog numbering guide for certification restrictions.

# Areamaster™ Generation 2 and High Lumen LED Luminaire

## Floodlight for Hazardous Locations

### NEC/CEC:

Class I, Division 2, Groups A, B, C, D  
Class I, Zone 2 AEx/Ex ec Group IIC Gc  
Class II, Division 1 and 2, Groups E, F, G  
Class III  
Zone 20 and 21 Group IIIC

### NEC/CEC:

Zone 21, AEx/Ex tb Group IIIC Db  
Simultaneous Exposure  
Marine Outside Type (Salt Water) for USA ONLY  
Wet Locations  
Type 3R, 4, 4X, IP66/67

### ATEX/IECEX:

Zone 2, 21, 22  
IP66  
II 2D 3G  
IK10  
Ex ec IIC T5

### Electrical Ratings ①

| Voltage Suffix | Voltage (V) | Input Power (Watts) | Input Current (Amps) | Power Factor (PF) | Total Harmonic Distortion (THD) | Model Number |        |
|----------------|-------------|---------------------|----------------------|-------------------|---------------------------------|--------------|--------|
| AMLG           |             |                     |                      |                   |                                 |              |        |
| BU             | 120 Vac     | 73                  | 0.62                 | >.9               | <20%                            | AMLGL6       |        |
|                | 277 Vac     | 71                  | 0.27                 |                   |                                 |              |        |
|                | 170 Vdc     | 69                  | 0.41                 |                   |                                 |              |        |
|                | 300 Vdc     | 68                  | 0.23                 |                   |                                 |              |        |
| BH             | 347 Vac     | 71                  | 0.21                 | >.9               | <20%                            |              |        |
|                | 480 Vac     | 71                  | 0.16                 |                   |                                 |              |        |
| BU             | 120 Vac     | 111                 | 0.94                 | >.9               | <20%                            |              | AMLGL7 |
|                | 277 Vac     | 106                 | 0.43                 |                   |                                 |              |        |
|                | 170 Vdc     | 113                 | 0.67                 |                   |                                 |              |        |
|                | 300 Vdc     | 111                 | 0.37                 |                   |                                 |              |        |
| BH             | 347 Vac     | 115                 | 0.33                 | >.9               | <20%                            |              |        |
|                | 480 Vac     | 115                 | 0.25                 |                   |                                 |              |        |
| BU             | 120 Vac     | 154                 | 1.30                 | >.9               | <20%                            | AMLGL8       |        |
|                | 277 Vac     | 146                 | 0.56                 |                   |                                 |              |        |
|                | 170 Vdc     | 156                 | 0.92                 |                   |                                 |              |        |
|                | 300 Vdc     | 152                 | 0.51                 |                   |                                 |              |        |
| BH             | 347 Vac     | 150                 | 0.43                 | >.9               | <20%                            |              |        |
|                | 480 Vac     | 149                 | 0.32                 |                   |                                 |              |        |
| AMLH           |             |                     |                      |                   |                                 |              |        |
| BU             | 120 Vac     | 180                 | 1.52                 | >.9               | <20%                            |              | AMLHL1 |
|                | 277 Vac     | 176                 | 0.67                 |                   |                                 |              |        |
|                | 170 Vdc     | 172                 | 1.02                 |                   |                                 |              |        |
|                | 300 Vdc     | 170                 | 0.57                 |                   |                                 |              |        |
| BH             | 347 Vac     | 179                 | 0.52                 | >.9               | <20%                            |              |        |
|                | 480 Vac     | 179                 | 0.39                 |                   |                                 |              |        |
| BU             | 120 Vac     | 231                 | 1.94                 | >.9               | <20%                            | AMLHL2       |        |
|                | 277 Vac     | 231                 | 0.88                 |                   |                                 |              |        |
|                | 170 Vdc     | 220                 | 1.30                 |                   |                                 |              |        |
|                | 300 Vdc     | 217                 | 0.72                 |                   |                                 |              |        |
| BH             | 347 Vac     | 219                 | 0.64                 | >.9               | <20%                            |              |        |
|                | 480 Vac     | 219                 | 0.47                 |                   |                                 |              |        |
| BU             | 120 Vac     | 317                 | 2.67                 | >.9               | <20%                            |              | AMLHL3 |
|                | 277 Vac     | 303                 | 1.15                 |                   |                                 |              |        |
|                | 170 Vdc     | 305                 | 1.80                 |                   |                                 |              |        |
|                | 300 Vdc     | 298                 | 0.99                 |                   |                                 |              |        |
| BH             | 347 Vac     | 299                 | 0.87                 | >.9               | <20%                            |              |        |
|                | 480 Vac     | 298                 | 0.63                 |                   |                                 |              |        |

Surge Protection: Integral 6KV surge protection. Option for up to 10KV surge protection. (cCSAus only).

① All ratings are typical.



# Areamaster™ Generation 2 and High Lumen LED Luminaire

## Floodlight for Hazardous Locations

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Class I, Division 2, Groups A, B, C, D  
Class I, Zone 2 AEx/Ex ec Group IIC Gc  
Class II, Division 1 and 2, Groups E, F, G  
Class III  
Zone 20 and 21 Group IIIC

### NEC/CEC:

Zone 21, AEx/Ex tb Group IIIC Db  
Simultaneous Exposure  
Marine Outside Type (Salt Water) for USA ONLY  
Wet Locations  
Type 3R, 4, 4X, IP66/67

### ATEX/IECEx:

Zone 2, 21, 22  
IP66  
II 2D 3G  
IK10  
Ex ec IIC T5

### NEC/CEC Temperature Codes

| Series Number | Max Driver Current (mA) | Max Ambient C° (F°) | Gas                                      |                          | Dust                                    |                     | Combined Class I, Division 2 & Class II, Division 1 | Gas Ex ec IIC, Class I, Zone 2, AEx ec IIC | Dust Ex tb IIIC, Zone 21, AEx tb IIIC |
|---------------|-------------------------|---------------------|------------------------------------------|--------------------------|-----------------------------------------|---------------------|-----------------------------------------------------|--------------------------------------------|---------------------------------------|
|               |                         |                     | Class I, Division 2 Groups A, B, C and D | Class I Zone 2 Group IIC | Class II, Division 1, Groups E, F and G | Zone 20, Group IIIC |                                                     |                                            |                                       |
| AMLGL6        | 410                     | 40 (104)            | T5                                       | T5                       | T6                                      | T6                  | T4A                                                 | T5                                         | T85 °C                                |
|               |                         | 55 (131)            | T4A                                      | T4                       | T6                                      | T6                  | T4A                                                 | T4                                         | T85 °C                                |
|               |                         | 65 (149)            | T4A                                      | T4                       | T6                                      | T6                  | T4                                                  | T4                                         | T85 °C                                |
| AMLGL7        | 680                     | 40 (104)            | T4                                       | T4                       | T6                                      | T6                  | T4                                                  | T4                                         | T85 °C                                |
|               |                         | 55 (131)            | T3C                                      | T3                       | T6                                      | T6                  | T3C                                                 | T3                                         | T85 °C                                |
|               |                         | 65 (149)            | T3C①                                     | T3①                      | T5①                                     | T5①                 | T3C①                                                | T3②                                        | T100 °C②                              |
| AMLGL8        | 930                     | 40 (104)            | T3C                                      | T3                       | T6                                      | T6                  | T3C                                                 | T3                                         | T85 °C                                |
|               |                         | 55 (131)            | T3B①                                     | T3①                      | T5①                                     | T5①                 | T3A①                                                | T3①                                        | T100 °C②                              |
|               |                         | 65 (149)            | T3A①                                     | T3①                      | T5①                                     | T5①                 | T3A①                                                | T3①                                        | T100 °C②                              |
| AMLHL1        | 530                     | 40 (104)            | T4A                                      | T4                       | T6/T5③                                  | T6/T5③              | T4A                                                 | T4                                         | T85°C/<br>T100°C③                     |
|               |                         | 55 (131)            | T4A                                      | T4                       | T6/T5③                                  | T6/T5③              | T4A                                                 | T4                                         | T85°C/<br>T100°C③                     |
|               |                         | 65 (149)            | T4                                       | T4                       | T5③                                     | T5③                 | T4                                                  | T4                                         | T100°C                                |
| AMLHL2        | 680                     | 40 (104)            | T4                                       | T4                       | T6/T5③                                  | T6/T5③              | T4                                                  | T4                                         | T85°C/<br>T100°C③                     |
|               |                         | 55 (131)            | T4                                       | T4                       | T5③                                     | T5③                 | T4                                                  | T4                                         | T100°C                                |
|               |                         | 65 (149)            | T3C                                      | T3                       | T5③                                     | T5③                 | T4                                                  | T3                                         | T100°C                                |
| AMLHL3        | 915                     | 40 (104)            | T3C                                      | T3                       | T6/T5③                                  | T6/T5③              | T3C                                                 | T3                                         | T85°C/<br>T100°C③                     |
|               |                         | 55 (131)            | T3C                                      | T3                       | T5③                                     | T5③                 | T3C                                                 | T3                                         | T100°C                                |
|               |                         | 65 (149)            | —                                        | —                        | —                                       | —                   | —                                                   | —                                          | —                                     |

### ATEX/IECEx Temperature Codes

| Model Number | Max Driver Current (mA) | Gas            |                |                | Dust                |                |                |
|--------------|-------------------------|----------------|----------------|----------------|---------------------|----------------|----------------|
|              |                         | T Rating       |                |                | Surface Temperature |                |                |
|              |                         | +40°C (+104°F) | +55°C (+131°F) | +65°C (+149°F) | +40°C (+104°F)      | +55°C (+131°F) | +65°C (+149°F) |
| AMLGL6       | 410                     | T5             | T4             | T4             | T85°C               | T85°C          | T85°C          |
| AMLGL7       | 680                     | T4             | T3             | T3             | T85°C               | T85°C          | T100°C         |
| AMLGL8       | 930                     | T3             | T3             | T3             | T85°C               | T100°C         | T100°C         |
| AMLHL1       | 530                     | T4             | T4             | T3             | T85°C④              | T85°C④         | T85°C④         |
| AMLHL2       | 680                     | T4             | T4             | T3             | T85°C④              | T100°C         | T100°C         |
| AMLHL3       | 915                     | T4             | T3             | —              | T100°C              | T100°C         | —              |

Supply Wire Temperature for all: 90°C, 194°F

① Diffused polycarbonate lens option is not certified for these ambient temperature and lumen output combinations. Diffused polycarbonate not available for AMLH high lumen series.

② Diffused polycarbonate lens is certified for NEC/CEC only. No face up orientation for installation.

③ T5 is maximum allowed temperature code, and T100°C is maximum allowed temperature, when model number includes 3x3 secondary optic

④ Areamaster High Lumen with 3x3 secondary optic surface temperature is T100°C for these ranges.

⑤ For input voltages of 125-169 VDC, an ambient temperature exceeding 55°C is not permitted.

# Areamaster™ Generation 2 and High Lumen LED Luminaire

## Floodlight for Hazardous Locations

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Class II, Division 1 and 2, Groups E, F, G  
Class III  
Zone 20 and 21 Group IIIC

### NEC/CEC:

Zone 21, AEx/Ex tb Group IIIC Db  
Simultaneous Exposure  
Marine Outside Type (Salt Water) for USA ONLY  
Wet Locations  
Type 3R, 4, 4X, IP66/67

### ATEX/IECEX:

Zone 2, 21, 22  
IP66  
II 2D 3G  
IK10  
Ex ec IIC T5

“T” Numbers Represent the Maximum Internal Temperature ① or Maximum Surface Temperature ②

| NEC/CEC             |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                  |          |
|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|----------|
| “T” #               | T1                | 350               | 325               | T2                | T2A               | T2B               | T2C               | T2D               | T3                | T3A               | T3B               | T3C               | T4                | T4A               | T5               | T6       |
| Temp. Range °C (°F) | 351-450 (664-842) | 326-350 (619-662) | 301-325 (574-617) | 281-300 (538-572) | 261-280 (502-536) | 231-260 (448-500) | 216-230 (421-446) | 201-215 (394-419) | 181-200 (358-392) | 166-180 (331-356) | 161-165 (322-329) | 136-160 (277-320) | 121-135 (250-275) | 101-120 (214-248) | 86-100 (187-212) | 85 (185) |
| ATEX/IECEx          |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                  |          |
| “T” #               | T1                |                   |                   | T2                |                   |                   |                   |                   | T3                |                   |                   |                   | T4                |                   | T5               | T6       |
| Temp. Range °C (°F) | 301-450 (547-842) |                   |                   | 201-300 (394-572) |                   |                   |                   |                   | 136-200 (277-392) |                   |                   |                   | 101-135 (214-275) |                   | 86-100 (187-212) | 85 (185) |

| Luminaire Category                | Image                                                                                                     | Frontal Projected Area (FPA) ft² | Drag Coefficient (DC) | Effective Projected Area (EPA) = FPA*DC ft² |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------|---------------------------------------------|
| <b>AMLG</b>                       |                                                                                                           |                                  |                       |                                             |
| 90° to Ground-Worst Case Mounting |  <p>Wind Direction</p>  | 1.52                             | 1.20                  | 1.82                                        |
| 45° to Ground-Standard Mounting   |  <p>Wind Direction</p> | 1.07                             | 1.2                   | 1.28                                        |
| <b>AMLH</b>                       |                                                                                                           |                                  |                       |                                             |
| 90° to Ground-Worst Case Mounting |  <p>Wind Direction</p> | 2.04                             | 1.20                  | 2.45                                        |
| 45° to Ground-Standard Mounting   |  <p>Wind Direction</p> | 1.44                             | 1.20                  | 1.73                                        |

① T numbers represent the maximum internal temperature for Class I, Division 2 and Class I, Zone 2 locations designated by the NEC.

② T numbers represent the maximum surface temperature under a dust blanket for Class II, Division 1 and 2 as designated by the NEC.

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Class III  
Zone 20 and 21 Group IIIC

### NEC/CEC:

Zone 21, AEx/Ex tb Group IIIC Db  
Simultaneous Exposure  
Marine Outside Type (Salt Water) for USA ONLY  
Wet Locations  
Type 3R, 4, 4X, IP66/67

### ATEX/IECEX:

Zone 2, 21, 22  
IP66  
II 2D 3G  
IK10  
Ex ec IIC T5

### Accessories and Replacement Parts

|                                                                                     | Description                                                                                                                                                                                                                                           | Catalog Number  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <b>Crossarm Mounting Bracket</b>                                                    |                                                                                                                                                                                                                                                       |                 |
|    | Has 180° horizontal adjustment — degree marked. Facilitates mounting floodlight to crossarm or other flat surface, or to GAM8WB. Includes floodlight yoke bolts. Malleable iron, zinc plated, chromate sealed, architectural bronze polyester finish. | <b>GAM8CA</b>   |
| <b>Pipe or Wall Mount Bracket</b>                                                   |                                                                                                                                                                                                                                                       |                 |
|    | Used with GAM8CA. Clamps to 1" to 2-1/2" pipe, vertical or horizontal, or mounts on flat surfaces. Includes U-bolt and crossarm bracket bolts. Malleable iron, zinc plated, chromate sealed, with architectural bronze polyester finish.              | <b>GAM8WB</b>   |
|  | Crossarm Mounting Bracket ( <b>GAM8CA</b> ) used with Pipe or Wall Mount Bracket ( <b>GAM8WB</b> ).                                                                                                                                                   |                 |
| <b>Poletop Slip-Fitter</b>                                                          |                                                                                                                                                                                                                                                       |                 |
|  | Slip-fits 1" or 1-1/2" pipe size poletop tenons. Includes floodlight yoke bolts, 3 locking bolts, and cord grip. Body is malleable iron-zinc plated, chromate sealed, with cast aluminum cap. Assembly has architectural bronze polyester finish.     | <b>AMLEDSF1</b> |
|  | Slip-fits 1-1/2" or 2" pipe size poletop tenons. Includes floodlight yoke bolts, 3 locking bolts, and cord grip. Body is malleable iron-zinc plated, chromate sealed, with cast aluminum cap. Assembly has architectural bronze polyester finish.     | <b>G-SF20</b>   |
|  | Slip-fits 2" or 2-1/2" poletop tenons. Includes floodlight yoke bolts, 3 locking bolts, and cord grip. Malleable iron, zinc plated, chromate sealed, with architectural bronze polyester finish.                                                      | <b>GAM8SF</b>   |

# Areamaster™ Generation 2 and High Lumen LED Luminaire Floodlight for Hazardous Locations

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Class I, Division 2, Groups A, B, C, D  
Class I, Zone 2 AEx/Ex ec Group IIC Gc  
Class II, Division 1 and 2, Groups E, F, G  
Class III  
Zone 20 and 21 Group IIIC

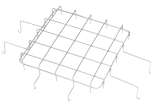
## NEC/CEC:

Zone 21, AEx/Ex tb Group IIIC Db  
Simultaneous Exposure  
Marine Outside Type (Salt Water) for USA ONLY  
Wet Locations  
Type 3R, 4, 4X, IP66/67

## ATEX/IECEX:

Zone 2, 21, 22  
IP66  
II 2D 3G  
IK10  
Ex ec IIC T5

## Accessories and Replacement Parts

|                                                                                     | Description                                                                                                                                                           | Catalog Number |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Wall Mount Bracket                                                                  |                                                                                                                                                                       |                |
|    | Used with GAM8SF and GSF20 to provide a wall mounting option. Galvanized Steel.                                                                                       | GPSWB6GAL      |
| Wire Guard                                                                          |                                                                                                                                                                       |                |
|    | Stainless steel.                                                                                                                                                      | LGGUARD        |
|                                                                                     |                                                                                                                                                                       | LHGUARD        |
| Safety Cable                                                                        |                                                                                                                                                                       |                |
|   | Stainless steel.                                                                                                                                                      | LEDSC          |
| Visor                                                                               |                                                                                                                                                                       |                |
|  | Steel with architectural bronze polyester finish. For Dark Sky Friendly design.                                                                                       | AMLGV          |
|                                                                                     |                                                                                                                                                                       | AMLHV          |
| Portable Floodlight Base                                                            |                                                                                                                                                                       |                |
|  | Portable floodlight base for temporary lighting applications. To be used with wire guard. Malleable iron with architectural bronze polyester finish.                  | GAMPFB         |
| Replacement Covers                                                                  |                                                                                                                                                                       |                |
|  |                                                                                                                                                                       | AMLGDIFFP      |
|                                                                                     |                                                                                                                                                                       | AMLHCLEAR      |
|                                                                                     |                                                                                                                                                                       | AMLHFROST      |
| Yoke Mount Bracket                                                                  |                                                                                                                                                                       |                |
|  | Stainless Steel Yoke Mount Bracket. For installations requiring a higher degree of corrosion protection. Made with all stainless steel components, no painted finish. | AMLYMSS        |
|                                                                                     | Architectural Bronze Replacement Yoke Bracket                                                                                                                         | AMLYMAB        |

APPLETON™

LED/FLOODLIGHTS: NEC/CEC, ATEX/IECEX ENCLOSED AND GASKETED

# Areamaster™ Generation 2 and High Lumen LED Luminaire

## Floodlight for Hazardous Locations

### NEC/CEC:

Class I, Division 2, Groups A, B, C, D  
Class I, Zone 2 AEx/Ex ec Group IIC Gc  
Class II, Division 1 and 2, Groups E, F, G  
Class III  
Zone 20 and 21 Group IIIC

### NEC/CEC:

Zone 21, AEx/Ex tb Group IIIC Db  
Simultaneous Exposure  
Marine Outside Type (Salt Water) for USA ONLY  
Wet Locations  
Type 3R, 4, 4X, IP66/67

### ATEX/IECEX:

Zone 2, 21, 22  
IP66  
II 2D 3G  
IK10  
Ex ec IIC T5

### Replacement Drivers

|                                                                                     | Voltage         | Driver Wattage | Constant Current Setting | Luminaire Model     | CCT             | Catalog Number  |
|-------------------------------------------------------------------------------------|-----------------|----------------|--------------------------|---------------------|-----------------|-----------------|
| AMLG                                                                                |                 |                |                          |                     |                 |                 |
|    | BU              | 100 watt       | 410mA                    | AMLGL6C,<br>AMLGL6W | 5K and 3K       | APMS100C105UD41 |
|                                                                                     | BH              |                |                          |                     |                 | APMS100C105HD41 |
|    | BU              | 150 watt       | 650mA                    | AMLGL7W             | 3K              | APMS150C105UD65 |
|                                                                                     | BH              |                |                          |                     |                 | APMS150C105HD65 |
|                                                                                     | BU              | 150 watt       | 680mA                    | AMLGL7C             | 5k              | APMS150C105UD68 |
|                                                                                     | BH              |                |                          |                     |                 | APMS150C105HD68 |
|                                                                                     | BU              | 150 watt       | 890mA                    | AMLGL8W             | 3K              | APMS150C105UD89 |
| BH                                                                                  | APMS150C105HD89 |                |                          |                     |                 |                 |
| BU                                                                                  | 150 watt        | 930mA          | AMLGL8C                  | 5k                  | APMS150C105UD93 |                 |
| BH                                                                                  |                 |                |                          |                     | APMS150C105HD93 |                 |
| AMLH                                                                                |                 |                |                          |                     |                 |                 |
|  | BU              | 150 watt       | 915mA                    | AMLHL3C             | 5K              | APMS150C105UD91 |
|                                                                                     | BH              |                |                          |                     |                 | APMS150C105HD91 |
|  | BU              | 150 watt       | 680mA                    | AMLHL2C             | 5k              | APMS150C105U68  |
|                                                                                     | BH              |                |                          |                     |                 | APMS150C105HD68 |
|                                                                                     | BU              | 150 watt       | 890mA                    | AMLHL3W             | 3K              | APMS150C105UD89 |
|                                                                                     | BH              |                |                          |                     |                 | APMS150C105HD89 |
|                                                                                     | BU              | 150 watt       | 650mA                    | AMLHL2C             | 3K              | APMS150C105UD65 |
| BH                                                                                  | APMS150C105HD65 |                |                          |                     |                 |                 |
| BU                                                                                  | 100 watt        | 530mA          | AMLHL1C,<br>AMLHL1W      | 5K and 3K           | APMS100C105UD53 |                 |
| BH                                                                                  |                 |                |                          |                     | APMS100C105HD53 |                 |

### Areamaster Generation 2 Accessory Weights

| Description                       | Weight in kg (lbs) |
|-----------------------------------|--------------------|
| AMLGL6, AMLGL7, AMLGL8 Luminaires | 9.8 (21.6)         |
| AMLHL1, AMLHL2, AMLHL3 Luminaires | 16.1 (35.4)        |
| Yoke Bracket                      | 1.41 (3.1)         |
| Visor                             | 0.2 (0.4)          |
| Guard                             | 0.2 (0.4)          |
| Safety Cable                      | 0.2 (0.4)          |
| Crossarm Mounting Bracket GAM8CA  | 1.4 (3.1)          |
| Pipe or Wall Mount Bracket GAM8WB | 2.9 (6.4)          |
| Poletop SlipFitter AMLEDSF1       | 2.4 (5.3)          |
| Poletop SlipFitter GAM8SF         | —                  |

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Class I, Zone 2 AEx/Ex ec Group IIC Gc  
Class II, Division 1 and 2, Groups E, F, G  
Class III  
Zone 20 and 21 Group IIIC

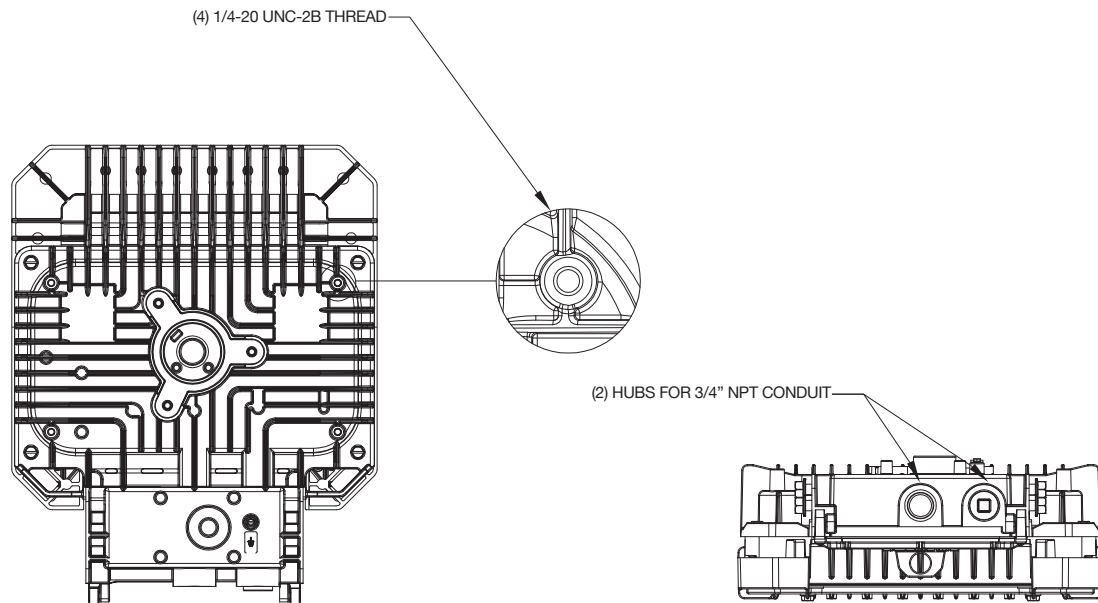
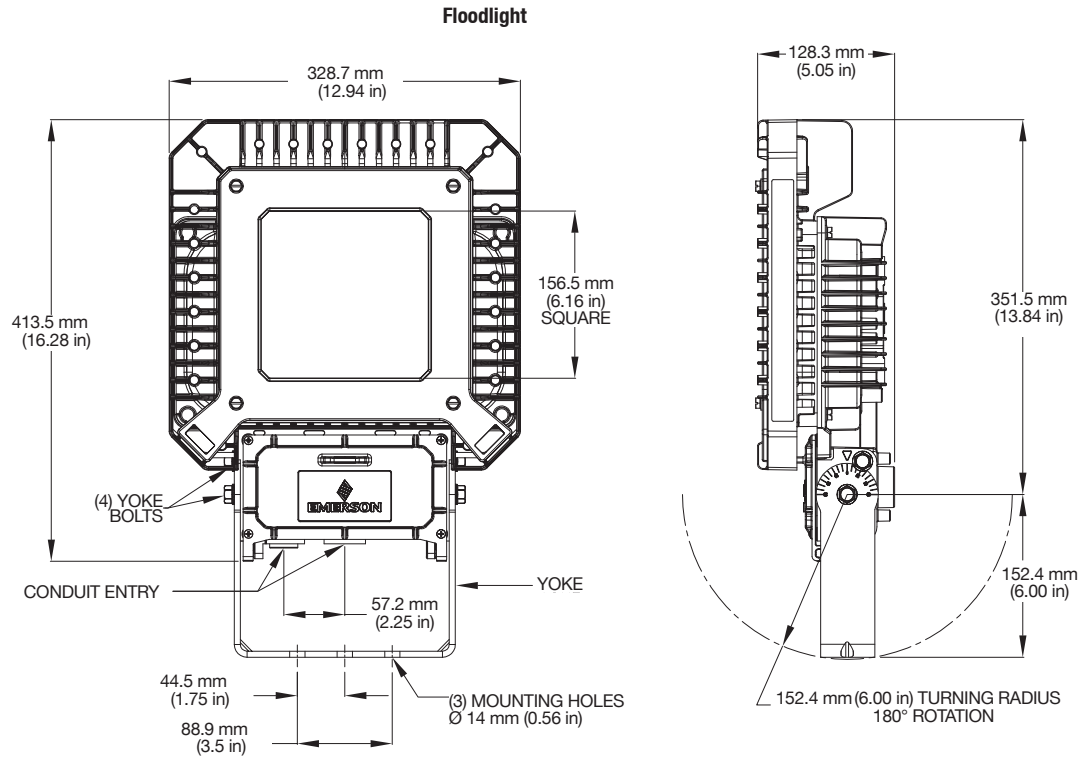
### NEC/CEC:

Zone 21, AEx/Ex tb Group IIIC Db  
Simultaneous Exposure  
Marine Outside Type (Salt Water) for USA ONLY  
Wet Locations  
Type 3R, 4, 4X, IP66/67

### ATEX/IECEX:

Zone 2, 21, 22  
IP66  
II 2D 3G  
IK10  
Ex ec IIC T5

### AMLGL Dimensions in Millimeters (Inches)





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Class I, Division 2, Groups A, B, C, D  
Class I, Zone 2 AEx/Ex ec Group IIC Gc  
Class II, Division 1 and 2, Groups E, F, G  
Class III  
Zone 20 and 21 Group IIIC

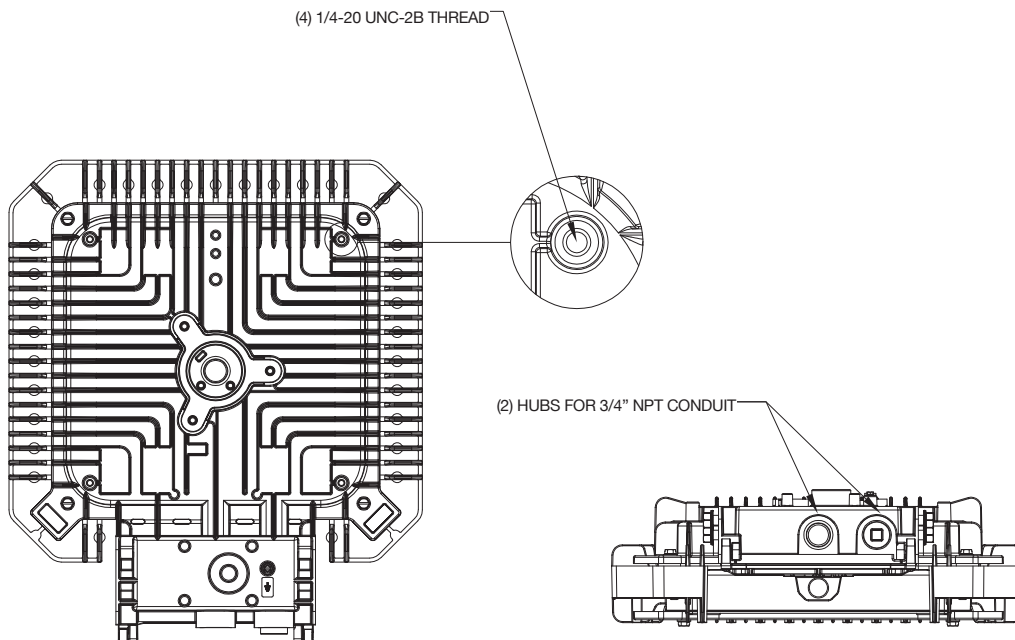
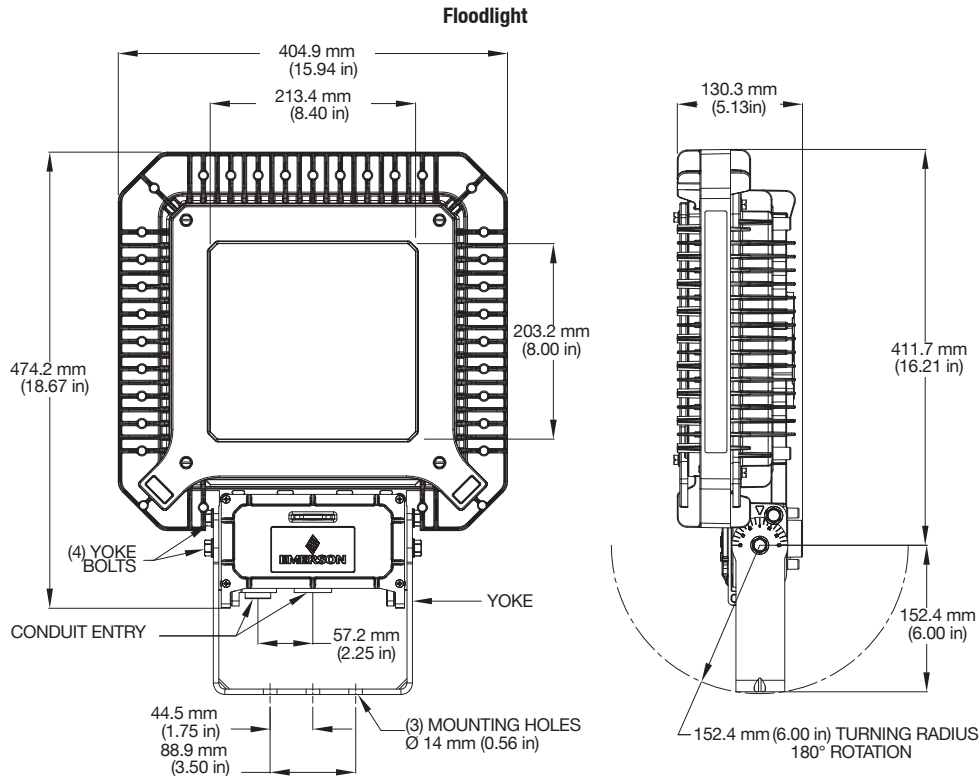
### NEC/CEC:

Zone 21, AEx/Ex tb Group IIIC Db  
Simultaneous Exposure  
Marine Outside Type (Salt Water) for USA ONLY  
Wet Locations  
Type 3R, 4, 4X, IP66/67

### ATEX/IECEX:

Zone 2, 21, 22  
IP66  
II 2D 3G  
IK10  
Ex ec IIC T5

### AMLHL Dimensions in Millimeters (Inches)



# Areamaster™ Generation 2 and High Lumen LED Luminaire

## Floodlight for Hazardous Locations

### NEC/CEC:

Class I, Division 2, Groups A, B, C, D  
Class I, Zone 2 AEx/Ex ec Group IIC Gc  
Class II, Division 1 and 2, Groups E, F, G  
Class III  
Zone 20 and 21 Group IIIC

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Zone 21, AEx/Ex tb Group IIIC Db  
Simultaneous Exposure  
Marine Outside Type (Salt Water) for USA ONLY  
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### ATEX/IECEX:

Zone 2, 21, 22  
IP66  
II 2D 3G  
IK10  
Ex ec IIC T5

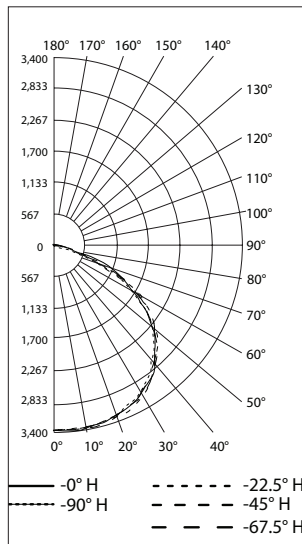
### Photometric Data — DATA SHOWN IS ABSOLUTE

#### NEMA 7x7, Clear Glass

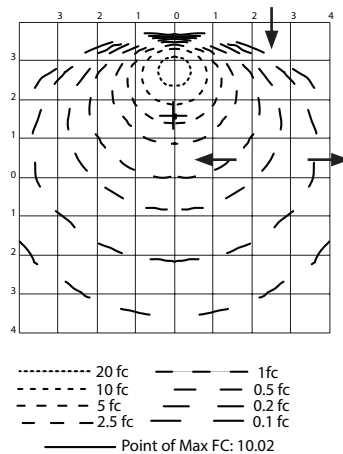
REPORT NUMBER: AMLGL6CG6BU

Luminaire Lumens 9,964

#### POLAR CANDELA DISTRIBUTION



#### ISOFOOT CANDLE PLOT AT 45°



#### FLOOD SUMMARY

|             | Efficiency | Lumens  | Horizontal Spread | Vertical Spread |
|-------------|------------|---------|-------------------|-----------------|
| Field (10%) | 98.5%      | 9,817.4 | 150               | 148             |
| Beam (50%)  | 82.2%      | 8,196.6 | 117.3             | 116.2           |
| Total       | 100%       | 9,964.0 |                   |                 |

#### Tilt Angle— 45 Degree LLF—0.9

| Mounting Height m (ft) | Maximum Point (fc) | Forward Throw Distance |                 |                 |                 |
|------------------------|--------------------|------------------------|-----------------|-----------------|-----------------|
|                        |                    | 0.5fc/5lx m (ft)       | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
| 6 (20)                 | 1.51               | 14 (45)                | 11 (35)         | 7 (24)          | 3 (11)          |
| 9 (30)                 | 0.68               | 14 (47)                | 11 (36)         | 6 (21)          | —               |
| 12 (40)                | 0.38               | 15 (50)                | 11 (35)         | —               | —               |

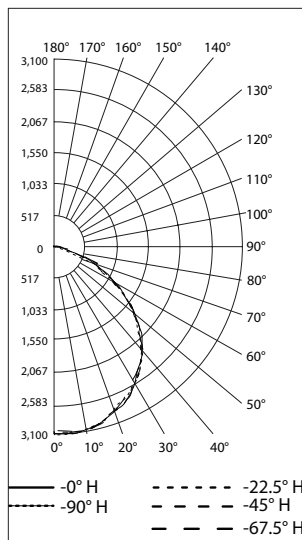
| Mounting Height m (ft) | Side-to-Side Distance |                 |                 |                 |
|------------------------|-----------------------|-----------------|-----------------|-----------------|
|                        | 0.5fc/5lx m (ft)      | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
| 6 (20)                 | 20 (66)               | 15 (50)         | 12 (38)         | 5 (16)          |
| 9 (30)                 | 24 (78)               | 15 (50)         | 9 (28)          | —               |
| 12 (40)                | 21 (70)               | 12 (40)         | —               | —               |

#### NEMA 7x7, Frosted Glass

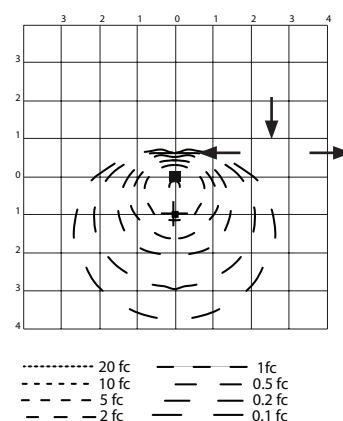
REPORT NUMBER: AMLGL6CF6BU

Luminaire Lumens 8,115

#### POLAR CANDELA DISTRIBUTION



#### ISOFOOT CANDLE PLOT AT 45°



#### FLOOD SUMMARY

|             | Efficiency | Lumens  | Horizontal Spread | Vertical Spread |
|-------------|------------|---------|-------------------|-----------------|
| Field (10%) | 98.1%      | 7,961.7 | 155.3             | 151.5           |
| Beam (50%)  | 71.5%      | 5,804.1 | 105.8             | 105.5           |
| Total       | 100%       | 8,112.2 |                   |                 |

#### Tilt Angle— 45 Degree LLF—0.9

| Mounting Height m (ft) | Maximum Point (fc) | Forward Throw Distance |                 |                 |                 |
|------------------------|--------------------|------------------------|-----------------|-----------------|-----------------|
|                        |                    | 0.5fc/5lx m (ft)       | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
| 6 (20)                 | 2.49               | 13 (42)                | 10 (33)         | 7 (24)          | 2 (8)           |
| 9 (30)                 | 1.1                | 14 (45)                | 10 (32)         | 5 (15)          | —               |
| 12 (40)                | 0.62               | 15 (48)                | 8 (25)          | —               | —               |

| Mounting Height m (ft) | Side-to-Side Distance |                 |                 |                 |
|------------------------|-----------------------|-----------------|-----------------|-----------------|
|                        | 0.5fc/5lx m (ft)      | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
| 6 (20)                 | 18 (60)               | 13 (44)         | 9 (30)          | 1 (4)           |
| 9 (30)                 | 20 (64)               | 10 (34)         | 6 (20)          | —               |
| 12 (40)                | 17 (56)               | 9 (30)          | —               | —               |

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Class II, Division 1 and 2, Groups E, F, G  
Class III  
Zone 20 and 21 Group IIIC

### NEC/CEC:

Zone 21, AEx/Ex tb Group IIIC Db  
Simultaneous Exposure  
Marine Outside Type (Salt Water) for USA ONLY  
Wet Locations  
Type 3R, 4, 4X, IP66/67

### ATEX/IECEX:

Zone 2, 21, 22  
IP66  
II 2D 3G  
IK10  
Ex ec IIC T5

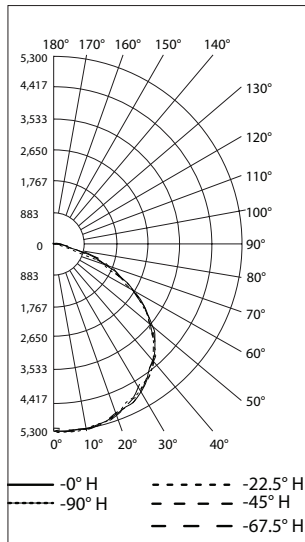
### Photometric Data — DATA SHOWN IS ABSOLUTE

#### NEMA 7x7, Clear Glass

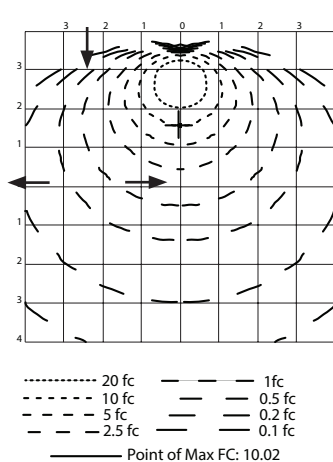
REPORT NUMBER: AMLGL7CG6BU

Luminaire Lumens 15,320

#### POLAR CANDELA DISTRIBUTION



#### ISOFOOT CANDLE PLOT AT 45°



#### FLOOD SUMMARY

|             | Efficiency | Lumens   | Horizontal Spread | Vertical Spread |
|-------------|------------|----------|-------------------|-----------------|
| Field (10%) | 98.5%      | 15,102.6 | 151.2             | 147             |
| Beam (50%)  | 81.9%      | 12,555.7 | 117               | 115.4           |
| Total       | 100%       | 15,320.4 |                   |                 |

#### Tilt Angle— 45 Degree LLF—0.9

| Mounting Height m (ft) | Maximum Point (fc) | Forward Throw Distance |                 |                 |                 |
|------------------------|--------------------|------------------------|-----------------|-----------------|-----------------|
|                        |                    | 0.5fc/5lx m (ft)       | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
| 6 (20)                 | 4.42               | 15 (50)                | 12 (39)         | 9 (29)          | 5 (16)          |
| 9 (30)                 | 1.97               | 17 (55)                | 13 (43)         | 8 (25)          | —               |
| 12 (40)                | 1.11               | 17 (57)                | 12 (40)         | 6 (19)          | —               |

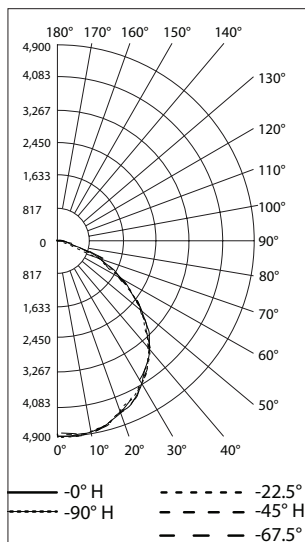
| Mounting Height m (ft) | Side-to-Side Distance |                 |                 |                 |
|------------------------|-----------------------|-----------------|-----------------|-----------------|
|                        | 0.5fc/5lx m (ft)      | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
| 6 (20)                 | 21 (70)               | 56 (17)         | 12 (40)         | 6 (20)          |
| 9 (30)                 | 24 (80)               | 58 (18)         | 12 (38)         | —               |
| 12 (40)                | 24 (80)               | 50 (15)         | 5 (16)          | —               |

#### NEMA 7x7, Frosted Glass

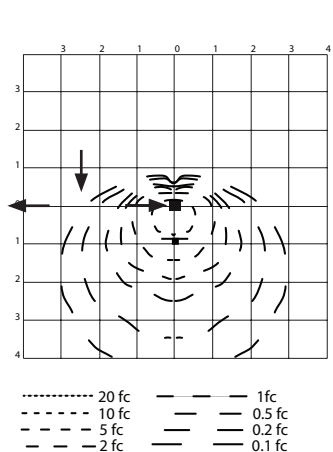
REPORT NUMBER: AMLGL7CF6BU

Luminaire Lumens 12,782

#### POLAR CANDELA DISTRIBUTION



#### ISOFOOT CANDLE PLOT AT 45°



#### FLOOD SUMMARY

|             | Efficiency | Lumens   | Horizontal Spread | Vertical Spread |
|-------------|------------|----------|-------------------|-----------------|
| Field (10%) | 98.1%      | 12,536.1 | 155.4             | 150.7           |
| Beam (50%)  | 71.3%      | 9,112.8  | 105.4             | 105.6           |
| Total       | 100%       | 12,777.9 |                   |                 |

#### Tilt Angle— 45 Degree LLF—0.9

| Mounting Height m (ft) | Maximum Point (fc) | Forward Throw Distance |                 |                 |                 |
|------------------------|--------------------|------------------------|-----------------|-----------------|-----------------|
|                        |                    | 0.5fc/5lx m (ft)       | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
| 6 (20)                 | 2.91               | 18 (59)                | 14 (45)         | 11 (35)         | 7 (22)          |
| 9 (30)                 | 1.29               | 19 (63)                | 16 (51)         | 10 (33)         | 4 (12)          |
| 12 (40)                | 0.73               | 21 (70)                | 15 (50)         | 9 (30)          | —               |

| Mounting Height m (ft) | Side-to-Side Distance |                 |                 |                 |
|------------------------|-----------------------|-----------------|-----------------|-----------------|
|                        | 0.5fc/5lx m (ft)      | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
| 6 (20)                 | 26 (84)               | 21 (70)         | 16 (52)         | 10 (32)         |
| 9 (30)                 | 29 (96)               | 22 (72)         | 16 (54)         | 5 (15)          |
| 12 (40)                | 32 (104)              | 22 (72)         | 15 (48)         | —               |

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Zone 21, AEx/Ex tb Group IIIC Db  
Simultaneous Exposure  
Marine Outside Type (Salt Water) for USA ONLY  
Wet Locations  
Type 3R, 4, 4X, IP66/67

### ATEX/IECEX:

Zone 2, 21, 22  
IP66  
II 2D 3G  
IK10  
Ex ec IIC T5

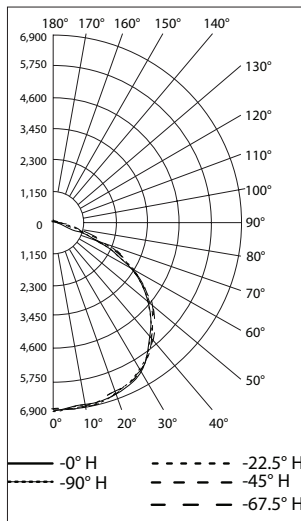
### Photometric Data — DATA SHOWN IS ABSOLUTE

#### NEMA 7x7, Clear Glass

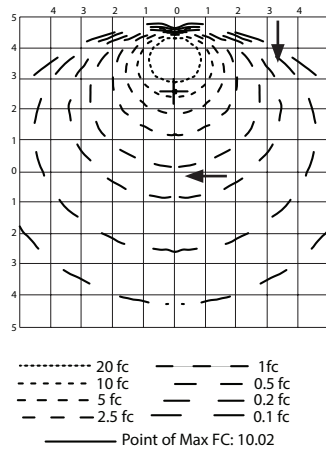
REPORT NUMBER: AMLGL8CG6BU

Luminaire Lumens 19,895

#### POLAR CANDELA DISTRIBUTION



#### ISOFOOT CANDLE PLOT AT 45°



#### FLOOD SUMMARY

|             | Efficiency | Lumens   | Horizontal Spread | Vertical Spread |
|-------------|------------|----------|-------------------|-----------------|
| Field (10%) | 98.6%      | 19,614.8 | 151               | 146.8           |
| Beam (50%)  | 81.7%      | 16,267.6 | 116.7             | 115.2           |
| Total       | 100%       | 19,895.4 |                   |                 |

#### Tilt Angle— 45 Degree LLF—0.9

| Mounting Height m (ft) | Maximum Point (fc) | Forward Throw Distance |                 |                 |                 |
|------------------------|--------------------|------------------------|-----------------|-----------------|-----------------|
|                        |                    | 0.5fc/5lx m (ft)       | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
| 6 (20)                 | 3.18               | 13 (44)                | 11 (36)         | 9 (30)          | 5 (16)          |
| 9 (30)                 | 1.41               | 16 (53)                | 13 (42)         | 8 (27)          | —               |
| 12 (40)                | 0.81               | 17 (56)                | 12 (40)         | —               | —               |

#### Side-to-Side Distance

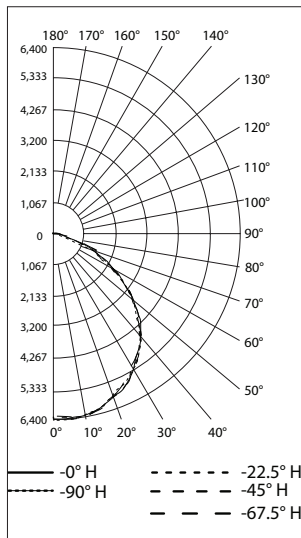
| Mounting Height m (ft) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
|------------------------|------------------|-----------------|-----------------|-----------------|
| 6 (20)                 | 26 (84)          | 20 (64)         | 13 (44)         | 5 (16)          |
| 9 (30)                 | 27 (90)          | 20 (66)         | 11 (36)         | —               |
| 12 (40)                | 29 (96)          | 17 (56)         | —               | —               |

#### NEMA 7x7, Frosted Glass

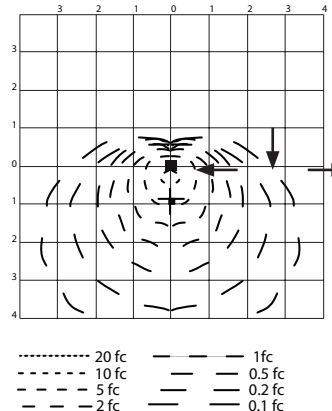
REPORT NUMBER: AMLGL8CF6BU

Luminaire Lumens 16,503

#### POLAR CANDELA DISTRIBUTION



#### ISOFOOT CANDLE PLOT AT 45°



#### FLOOD SUMMARY

|             | Efficiency | Lumens   | Horizontal Spread | Vertical Spread |
|-------------|------------|----------|-------------------|-----------------|
| Field (10%) | 98.1%      | 16,189.8 | 155.3             | 150.7           |
| Beam (50%)  | 71.3%      | 11,766.7 | 105.2             | 105.5           |
| Total       | 100%       | 16,498.6 |                   |                 |

#### Tilt Angle— 45 Degree LLF—0.9

| Mounting Height m (ft) | Maximum Point (fc) | Forward Throw Distance |                 |                 |                 |
|------------------------|--------------------|------------------------|-----------------|-----------------|-----------------|
|                        |                    | 0.5fc/5lx m (ft)       | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
| 6 (20)                 | 5.76               | 17 (55)                | 11 (36)         | 10 (32)         | 6 (20)          |
| 9 (30)                 | 2.56               | 16 (53)                | 9 (31)          | 9 (31)          | —               |
| 12 (40)                | 1.43               | 17 (56)                | 19 (62)         | 9 (29)          | —               |

#### Side-to-Side Distance

| Mounting Height m (ft) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
|------------------------|------------------|-----------------|-----------------|-----------------|
| 6 (20)                 | 24 (78)          | 18 (60)         | 13 (44)         | 7 (22)          |
| 9 (30)                 | 27 (88)          | 19 (62)         | 10 (34)         | —               |
| 12 (40)                | 30 (98)          | 18 (58)         | 12 (38)         | —               |

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Class III  
Zone 20 and 21 Group IIIC

### NEC/CEC:

Zone 21, AEx/Ex tb Group IIIC Db  
Simultaneous Exposure  
Marine Outside Type (Salt Water) for USA ONLY  
Wet Locations  
Type 3R, 4, 4X, IP66/67

### ATEX/IECEX:

Zone 2, 21, 22  
IP66  
II 2D 3G  
IK10  
Ex ec IIC T5

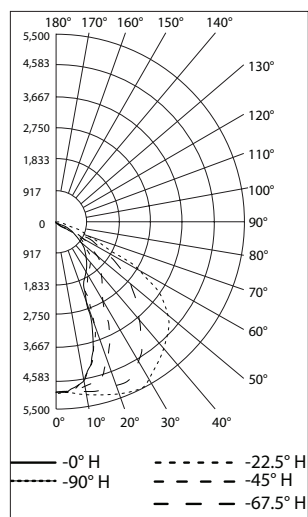
### Photometric Data — DATA SHOWN IS ABSOLUTE

NEMA 7x6, Clear Glass

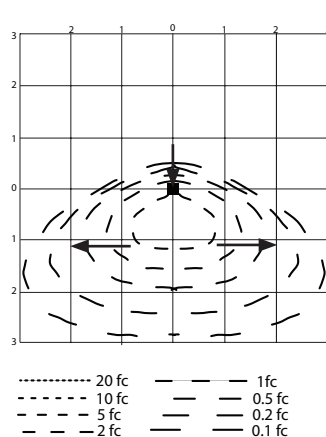
REPORT NUMBER: AMLGL6CG7BU

Luminaire Lumens 9,086

#### POLAR CANDELA DISTRIBUTION



#### ISOFOOT CANDLE PLOT AT 45°



#### FLOOD SUMMARY

|             | Efficiency | Lumens  | Horizontal Spread | Vertical Spread |
|-------------|------------|---------|-------------------|-----------------|
| Field (10%) | 96.2%      | 8,738.1 | 134.9             | 112.1           |
| Beam (50%)  | 62%        | 5,631.5 | 120.5             | 45.2            |
| Total       | 100%       | 9,086.2 |                   |                 |

#### Tilt Angle— 45 Degree LLF—0.9

| Forward Throw Distance |                    |                  |                 |                 |                 |
|------------------------|--------------------|------------------|-----------------|-----------------|-----------------|
| Mounting Height m (ft) | Maximum Point (fc) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
| 6 (20)                 | 2.92               | 13 (42)          | 11 (36)         | 9 (28)          | 5 (15)          |
| 9 (30)                 | 1.3                | 16 (53)          | 13 (42)         | 7 (24)          | —               |
| 12 (40)                | 0.73               | 17 (56)          | 11 (36)         | —               | —               |

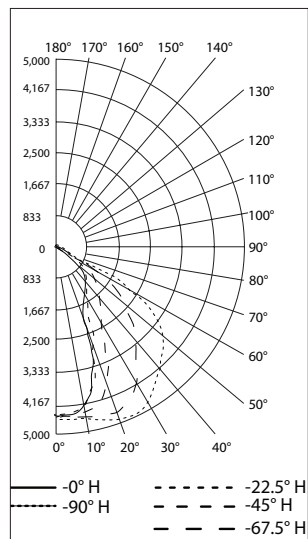
| Side-to-Side Distance  |                  |                 |                 |                 |  |
|------------------------|------------------|-----------------|-----------------|-----------------|--|
| Mounting Height m (ft) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |  |
| 6 (20)                 | 24 (80)          | 20 (64)         | 13 (44)         | 5 (16)          |  |
| 9 (30)                 | 26 (84)          | 18 (60)         | 11 (36)         | —               |  |
| 12 (40)                | 27 (88)          | 15 (48)         | —               | —               |  |

NEMA 7x6, Clear Glass

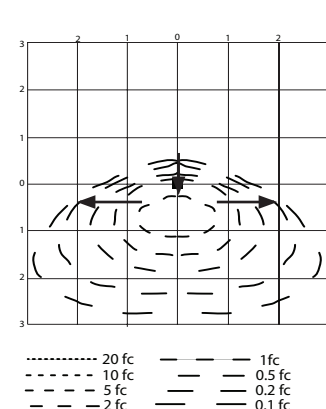
REPORT NUMBER: AMLGL6WG7BU

Luminaire Lumens 8,111

#### POLAR CANDELA DISTRIBUTION



#### ISOFOOT CANDLE PLOT AT 45°



#### FLOOD SUMMARY

|             | Efficiency | Lumens  | Horizontal Spread | Vertical Spread |
|-------------|------------|---------|-------------------|-----------------|
| Field (10%) | 96.1%      | 7,798.3 | 135.3             | 112             |
| Beam (50%)  | 61.5%      | 4,987.0 | 119.9             | 45              |
| Total       | 100%       | 8,111.0 |                   |                 |

#### Tilt Angle— 45 Degree LLF—0.9

| Forward Throw Distance |                    |                  |                 |                 |                 |
|------------------------|--------------------|------------------|-----------------|-----------------|-----------------|
| Mounting Height m (ft) | Maximum Point (fc) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
| 6 (20)                 | 2.92               | 13 (42)          | 11 (36)         | 9 (28)          | 5 (15)          |
| 9 (30)                 | 1.30               | 16 (53)          | 13 (42)         | 7 (24)          | —               |
| 12 (40)                | 0.73               | 17 (56)          | 11 (36)         | —               | —               |

| Side-to-Side Distance  |                  |                 |                 |                 |  |
|------------------------|------------------|-----------------|-----------------|-----------------|--|
| Mounting Height m (ft) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |  |
| 6 (20)                 | 24 (80)          | 20 (64)         | 13 (44)         | 5 (16)          |  |
| 9 (30)                 | 26 (84)          | 18 (60)         | 11 (36)         | —               |  |
| 12 (40)                | 27 (88)          | 15 (48)         | —               | —               |  |

# Areamaster™ Generation 2 and High Lumen LED Luminaire Floodlight for Hazardous Locations

## NEC/CEC:

Class I, Division 2, Groups A, B, C, D  
Class I, Zone 2 AEx/Ex ec Group IIC Gc  
Class II, Division 1 and 2, Groups E, F, G  
Class III  
Zone 20 and 21 Group IIIC

## NEC/CEC:

Zone 21, AEx/Ex tb Group IIIC Db  
Simultaneous Exposure  
Marine Outside Type (Salt Water) for USA ONLY  
Wet Locations  
Type 3R, 4, 4X, IP66/67

## ATEX/IECEX:

Zone 2, 21, 22  
IP66  
II 2D 3G  
IK10  
Ex ec IIC T5

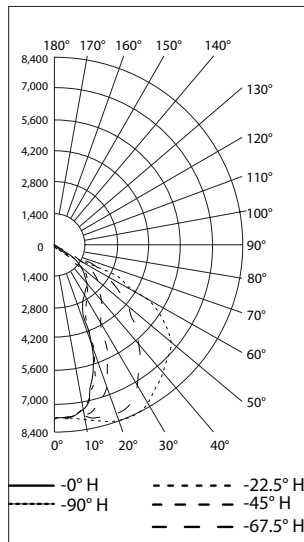
## Photometric Data — DATA SHOWN IS ABSOLUTE

NEMA 7x6, Clear Glass

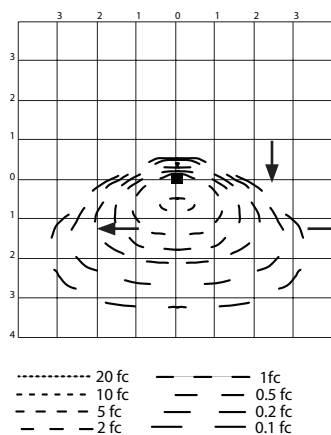
REPORT NUMBER: AMLGL7CG7BU

Luminaire Lumens 14,205

### POLAR CANDELA DISTRIBUTION



### ISOFOOT CANDLE PLOT AT 45°



### FLOOD SUMMARY

|             | Efficiency | Lumens   | Horizontal Spread | Vertical Spread |
|-------------|------------|----------|-------------------|-----------------|
| Field (10%) | 96.3%      | 13,678.5 | 135.3             | 112.5           |
| Beam (50%)  | 62.6%      | 8,887.6  | 120.7             | 45.7            |
| Total       | 100%       | 14,205.3 |                   |                 |

### Tilt Angle— 45 Degree LLF—0.9

| Mounting Height m (ft) | Maximum Point (fc) | Forward Throw Distance |                 |                 |                 |
|------------------------|--------------------|------------------------|-----------------|-----------------|-----------------|
|                        |                    | 0.5fc/51x m (ft)       | 1fc/111x m (ft) | 2fc/221x m (ft) | 5fc/541x m (ft) |
| 6 (20)                 | 4.91               | 15 (48)                | 12 (40)         | 11 (35)         | 7 (25)          |
| 9 (30)                 | 2.22               | 18 (60)                | 14 (45)         | 12 (38)         | —               |
| 12 (40)                | 1.25               | 20 (64)                | 16 (52)         | —               | —               |

### Side-to-Side Distance

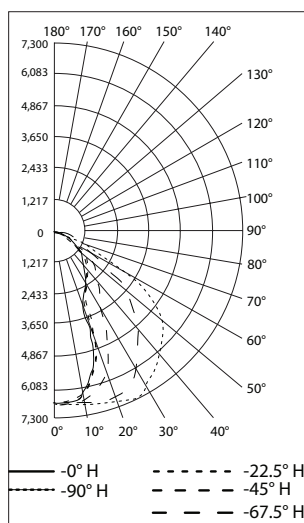
| Mounting Height m (ft) | 0.5fc/51x m (ft) | 1fc/111x m (ft) | 2fc/221x m (ft) | 5fc/541x m (ft) |
|------------------------|------------------|-----------------|-----------------|-----------------|
| 6 (20)                 | 29 (96)          | 24 (80)         | 18 (60)         | 11 (36)         |
| 9 (30)                 | 33 (108)         | 27 (90)         | 16 (54)         | —               |
| 12 (40)                | 37 (120)         | 24 (80)         | —               | —               |

NEMA 7x6, Clear Glass

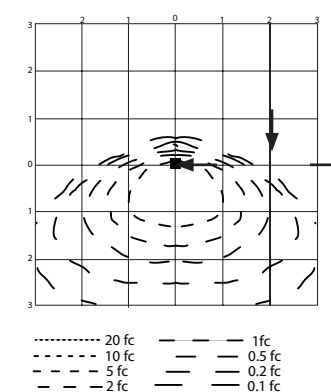
REPORT NUMBER: AMLGL7WG7BU

Luminaire Lumens 11,971

### POLAR CANDELA DISTRIBUTION



### ISOFOOT CANDLE PLOT AT 45°



### FLOOD SUMMARY

|             | Efficiency | Lumens   | Horizontal Spread | Vertical Spread |
|-------------|------------|----------|-------------------|-----------------|
| Field (10%) | 96.1%      | 11,503.9 | 135.2             | 112             |
| Beam (50%)  | 62%        | 7,424.4  | 119.8             | 45.2            |
| Total       | 100%       | 11,971.9 |                   |                 |

### Tilt Angle— 45 Degree LLF—0.9

| Mounting Height m (ft) | Maximum Point (fc) | Forward Throw Distance |                 |                 |                 |
|------------------------|--------------------|------------------------|-----------------|-----------------|-----------------|
|                        |                    | 0.5fc/51x m (ft)       | 1fc/111x m (ft) | 2fc/221x m (ft) | 5fc/541x m (ft) |
| 6 (20)                 | 4.30               | 14 (46)                | 12 (40)         | 10 (32)         | 6 (20)          |
| 9 (30)                 | 1.91               | 17 (54)                | 14 (45)         | 33 (10)         | —               |
| 12 (40)                | 1.07               | 20 (64)                | 15 (50)         | —               | —               |

### Side-to-Side Distance

| Mounting Height m (ft) | 0.5fc/51x m (ft) | 1fc/111x m (ft) | 2fc/221x m (ft) | 5fc/541x m (ft) |
|------------------------|------------------|-----------------|-----------------|-----------------|
| 6 (20)                 | 27 (90)          | 22 (72)         | 16 (52)         | 9 (30)          |
| 9 (30)                 | 33 (108)         | 24 (78)         | 15 (48)         | —               |
| 12 (40)                | 34 (112)         | 22 (72)         | —               | —               |



# Areamaster™ Generation 2 and High Lumen LED Luminaire

## Floodlight for Hazardous Locations

### NEC/CEC:

Class I, Division 2, Groups A, B, C, D  
Class I, Zone 2 AEx/Ex ec Group IIC Gc  
Class II, Division 1 and 2, Groups E, F, G  
Class III  
Zone 20 and 21 Group IIIC

### NEC/CEC:

Zone 21, AEx/Ex tb Group IIIC Db  
Simultaneous Exposure  
Marine Outside Type (Salt Water) for USA ONLY  
Wet Locations  
Type 3R, 4, 4X, IP66/67

### ATEX/IECEX:

Zone 2, 21, 22  
IP66  
II 2D 3G  
IK10  
Ex ec IIC T5

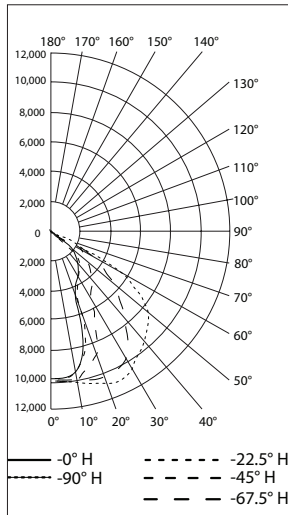
### Photometric Data — DATA SHOWN IS ABSOLUTE

NEMA 7x6, Clear Glass

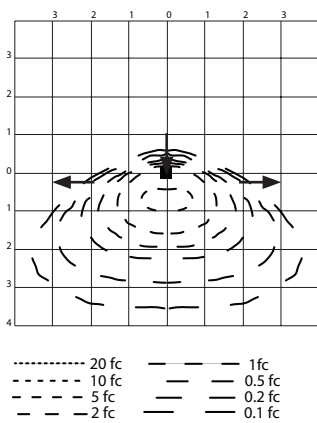
REPORT NUMBER: AMLGL8CG7BU

Luminaire Lumens 18,467

#### POLAR CANDELA DISTRIBUTION



#### ISOFOOT CANDLE PLOT AT 45°



#### FLOOD SUMMARY

|             | Efficiency | Lumens   | Horizontal Spread | Vertical Spread |
|-------------|------------|----------|-------------------|-----------------|
| Field (10%) | 96.2%      | 17,761.1 | 135.1             | 112.2           |
| Beam (50%)  | 62.5%      | 11,537.1 | 120.5             | 45.3            |
| Total       | 100%       | 18,467.4 |                   |                 |

Tilt Angle— 45 Degree LLF—0.9

#### Forward Throw Distance

| Mounting Height m (ft) | Maximum Point (fc) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
|------------------------|--------------------|------------------|-----------------|-----------------|-----------------|
| 6 (20)                 | 6.44               | 16 (52)          | 13 (44)         | 11 (36)         | 8 (26)          |
| 9 (30)                 | 2.86               | 19 (63)          | 16 (54)         | 12 (39)         | 6 (21)          |
| 12 (40)                | 1.63               | 22 (72)          | 18 (60)         | 12 (40)         | —               |

#### Side-to-Side Distance

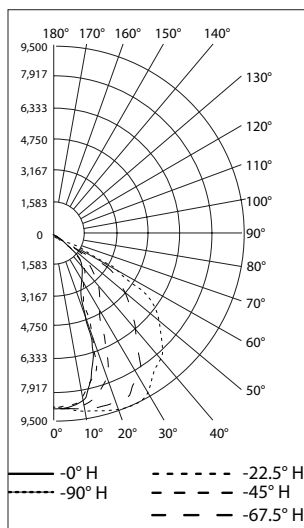
| Mounting Height m (ft) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
|------------------------|------------------|-----------------|-----------------|-----------------|
| 6 (20)                 | 32 (104)         | 26 (84)         | 21 (68)         | 12 (40)         |
| 9 (30)                 | 37 (120)         | 31 (102)        | 20 (66)         | 4 (12)          |
| 12 (40)                | 39 (128)         | 29 (96)         | 15 (48)         | —               |

NEMA 7x6, Clear Glass

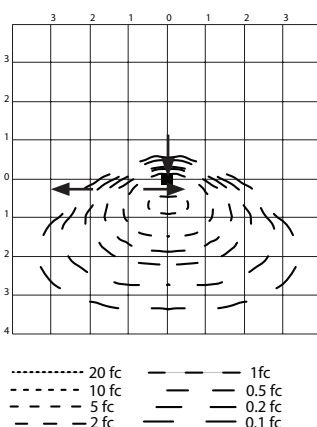
REPORT NUMBER: AMLGL8WG7BU

Luminaire Lumens 15,556

#### POLAR CANDELA DISTRIBUTION



#### ISOFOOT CANDLE PLOT AT 45°



#### FLOOD SUMMARY

|             | Efficiency | Lumens   | Horizontal Spread | Vertical Spread |
|-------------|------------|----------|-------------------|-----------------|
| Field (10%) | 96.1%      | 14,945.7 | 135               | 111.8           |
| Beam (50%)  | 62%        | 9,641.5  | 119.5             | 45              |
| Total       | 100%       | 15,555.8 |                   |                 |

Tilt Angle— 45 Degree LLF—0.9

#### Forward Throw Distance

| Mounting Height m (ft) | Maximum Point (fc) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
|------------------------|--------------------|------------------|-----------------|-----------------|-----------------|
| 6 (20)                 | 5.61               | 15 (50)          | 13 (42)         | 11 (36)         | 8 (26)          |
| 9 (30)                 | 2.50               | 18 (60)          | 16 (53)         | 12 (38)         | —               |
| 12 (40)                | 1.40               | 21 (70)          | 17 (56)         | 11 (36)         | —               |

#### Side-to-Side Distance

| Mounting Height m (ft) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
|------------------------|------------------|-----------------|-----------------|-----------------|
| 6 (20)                 | 30 (100)         | 24 (80)         | 20 (64)         | 11 (36)         |
| 9 (30)                 | 36 (117)         | 27 (90)         | 18 (60)         | —               |
| 12 (40)                | 37 (120)         | 24 (80)         | 12 (40)         | —               |



# Areamaster™ Generation 2 and High Lumen LED Luminaire

## Floodlight for Hazardous Locations

### NEC/CEC:

Class I, Division 2, Groups A, B, C, D  
Class I, Zone 2 AEx/Ex ec Group IIC Gc  
Class II, Division 1 and 2, Groups E, F, G  
Class III  
Zone 20 and 21 Group IIIC

### NEC/CEC:

Zone 21, AEx/Ex tb Group IIIC Db  
Simultaneous Exposure  
Marine Outside Type (Salt Water) for USA ONLY  
Wet Locations  
Type 3R, 4, 4X, IP66/67

### ATEX/IECEX:

Zone 2, 21, 22  
IP66  
II 2D 3G  
IK10  
Ex ec IIC T5

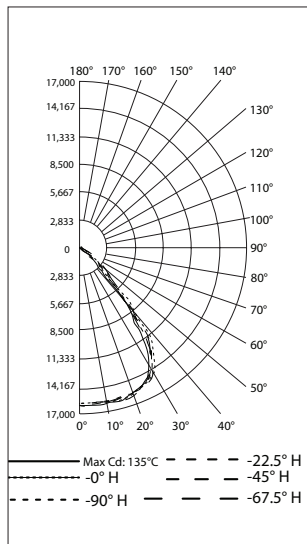
### Photometric Data — DATA SHOWN IS ABSOLUTE

NEMA 5x5, Clear Glass

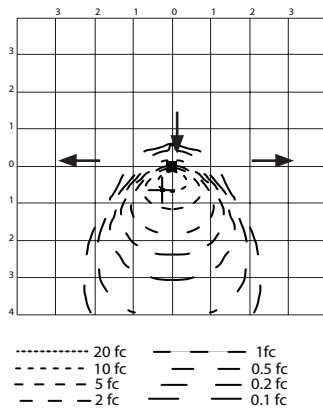
REPORT NUMBER: AMLHL1CG5BU

Luminaire Lumens 24,140

#### POLAR CANDELA DISTRIBUTION



#### ISOFOOT CANDLE PLOT AT 45°



#### FLOOD SUMMARY

|             | Efficiency | Lumens   | Horizontal Spread | Vertical Spread |
|-------------|------------|----------|-------------------|-----------------|
| Field (10%) | 94.8%      | 22,874.5 | 91.7              | 91.3            |
| Beam (50%)  | 84%        | 20,284.1 | 75.4              | 75.9            |
| Total       | 100%       | 24,137.4 |                   |                 |

#### Tilt Angle— 45 Degree LLF—0.9

| Mounting Height m (ft) | Maximum Point (fc) | 0.5fc/5lx m (ft) | Forward Throw Distance |                 |                 |
|------------------------|--------------------|------------------|------------------------|-----------------|-----------------|
|                        |                    |                  | 1fc/11lx m (ft)        | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
| 9 (30)                 | 8.96               | 27 (90)          | 21 (68)                | 16 (54)         | 10 (33)         |
| 12 (40)                | 5.04               | 29 (96)          | 22 (72)                | 16 (52)         | 9 (28)          |
| 15 (50)                | 3.19               | 30 (100)         | 23 (75)                | 15 (50)         | —               |
| 18 (60)                | 2.22               | 32 (105)         | 24 (78)                | 14 (45)         | —               |

#### Side-to-Side Distance

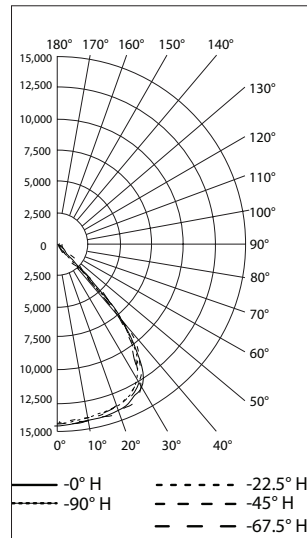
| Mounting Height m (ft) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
|------------------------|------------------|-----------------|-----------------|-----------------|
| 9 (30)                 | 29 (96)          | 24 (78)         | 19 (63)         | 14 (45)         |
| 12 (40)                | 32 (104)         | 27 (88)         | 20 (64)         | 10 (32)         |
| 15 (50)                | 37 (120)         | 29 (95)         | 18 (60)         | —               |
| 18 (60)                | 40 (132)         | 29 (96)         | 15 (48)         | —               |

NEMA 5x5, Clear Glass

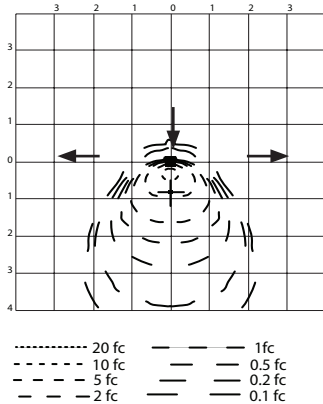
REPORT NUMBER: AMLHL1WG5BU

Luminaire Lumens 21,416

#### POLAR CANDELA DISTRIBUTION



#### ISOFOOT CANDLE PLOT AT 45°



#### FLOOD SUMMARY

|             | Efficiency | Lumens   | Horizontal Spread | Vertical Spread |
|-------------|------------|----------|-------------------|-----------------|
| Field (10%) | 95%        | 20,343.5 | 95.6              | 94.3            |
| Beam (50%)  | 84%        | 17,982.6 | 79.7              | 80.3            |
| Total       | 100%       | 21,416.2 |                   |                 |

#### Tilt Angle— 45 Degree LLF—0.9

| Mounting Height m (ft) | Maximum Point (fc) | 0.5fc/5lx m (ft) | Forward Throw Distance |                 |                 |
|------------------------|--------------------|------------------|------------------------|-----------------|-----------------|
|                        |                    |                  | 1fc/11lx m (ft)        | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
| 9 (30)                 | 8.96               | 29 (96)          | 23 (75)                | 17 (57)         | 36 (11)         |
| 12 (40)                | 5.04               | 32 (104)         | 24 (80)                | 18 (60)         | 10 (32)         |
| 15 (50)                | 3.19               | 34 (110)         | 26 (85)                | 18 (60)         | 8 (25)          |
| 18 (60)                | 2.22               | 36 (117)         | 27 (90)                | 16 (54)         | —               |

#### Side-to-Side Distance

| Mounting Height m (ft) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
|------------------------|------------------|-----------------|-----------------|-----------------|
| 9 (30)                 | 27 (90)          | 22 (72)         | 18 (60)         | 13 (42)         |
| 12 (40)                | 30 (100)         | 24 (80)         | 20 (64)         | 7 (24)          |
| 15 (50)                | 37 (120)         | 27 (90)         | 18 (60)         | —               |
| 18 (60)                | 37 (120)         | 27 (90)         | 15 (48)         | —               |



# Areamaster™ Generation 2 and High Lumen LED Luminaire

## Floodlight for Hazardous Locations

### NEC/CEC:

Class I, Division 2, Groups A, B, C, D  
Class I, Zone 2 AEx/Ex ec Group IIC Gc  
Class II, Division 1 and 2, Groups E, F, G  
Class III  
Zone 20 and 21 Group IIIC

### NEC/CEC:

Zone 21, AEx/Ex tb Group IIIC Db  
Simultaneous Exposure  
Marine Outside Type (Salt Water) for USA ONLY  
Wet Locations  
Type 3R, 4, 4X, IP66/67

### ATEX/IECEX:

Zone 2, 21, 22  
IP66  
II 2D 3G  
IK10  
Ex ec IIC T5

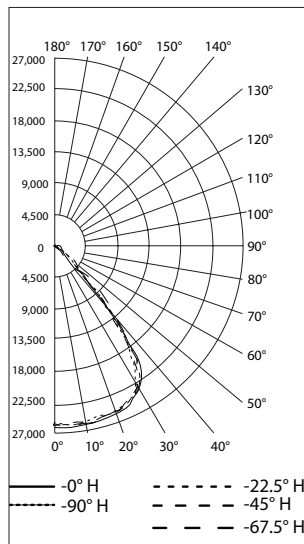
### Photometric Data — DATA SHOWN IS ABSOLUTE

NEMA 5x5, Clear Glass

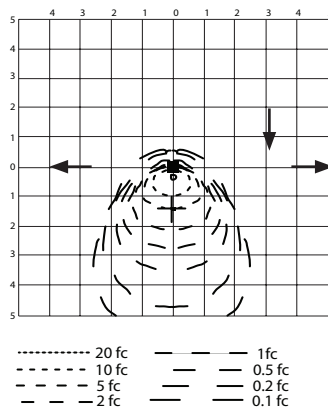
REPORT NUMBER: AMLHL3CG5BU

Luminaire Lumens 38,350

#### POLAR CANDELA DISTRIBUTION



#### ISOFOOT CANDLE PLOT AT 45°



#### FLOOD SUMMARY

|             | Efficiency | Lumens   | Horizontal Spread | Vertical Spread |
|-------------|------------|----------|-------------------|-----------------|
| Field (10%) | 95.3%      | 36,528.8 | 89.8              | 92.9            |
| Beam (50%)  | 84.4%      | 32,367.7 | 73.5              | 79.7            |
| Total       | 100%       | 38,348.7 |                   |                 |

Tilt Angle— 45 Degree LLF—0.9

| Forward Throw Distance |                    |                  |                 |                 |                 |
|------------------------|--------------------|------------------|-----------------|-----------------|-----------------|
| Mounting Height m (ft) | Maximum Point (fc) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
| 9 (30)                 | 4.96               | 32 (105)         | 26 (84)         | 19 (63)         | 13 (42)         |
| 12 (40)                | 2.78               | 35 (116)         | 27 (88)         | 21 (68)         | 12 (40)         |
| 15 (50)                | 1.78               | 34 (110)         | 26 (85)         | 18 (60)         | 8 (25)          |
| 18 (60)                | 1.23               | 38 (126)         | 29 (96)         | 20 (66)         | 5 (18)          |

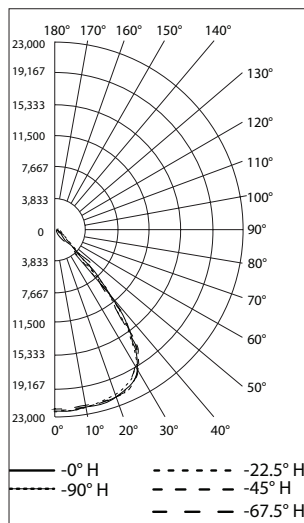
| Side-to-Side Distance m (ft) |                  |                 |                 |                 |  |
|------------------------------|------------------|-----------------|-----------------|-----------------|--|
| Mounting Height m (ft)       | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |  |
| 9 (30)                       | 33 (108)         | 27 (90)         | 22 (72)         | 16 (54)         |  |
| 12 (40)                      | 37 (120)         | 30 (100)        | 24 (80)         | 15 (48)         |  |
| 15 (50)                      | 40 (130)         | 30 (100)        | 24 (80)         | 9 (30)          |  |
| 18 (60)                      | 44 (144)         | 37 (120)        | 26 (84)         | 4 (12)          |  |

NEMA 5x5, Clear Glass

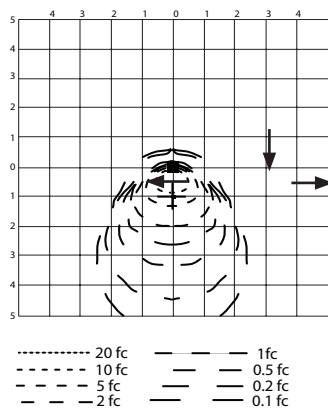
REPORT NUMBER: AMLHL3WG5BU

Luminaire Lumens 32,835

#### POLAR CANDELA DISTRIBUTION



#### ISOFOOT CANDLE PLOT AT 45°



#### FLOOD SUMMARY

|             | Efficiency | Lumens   | Horizontal Spread | Vertical Spread |
|-------------|------------|----------|-------------------|-----------------|
| Field (10%) | 95%        | 31,186.0 | 96.1              | 93.5            |
| Beam (50%)  | 84%        | 27,593.2 | 80.4              | 79.8            |
| Total       | 100%       | 32,832.0 |                   |                 |

Tilt Angle— 45 Degree LLF—0.9

| Forward Throw Distance m (ft) |                    |                  |                 |                 |                 |
|-------------------------------|--------------------|------------------|-----------------|-----------------|-----------------|
| Mounting Height m (ft)        | Maximum Point (fc) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
| 9 (30)                        | 7.95               | 30 (99)          | 25 (81)         | 18 (60)         | 12 (39)         |
| 12 (40)                       | 4.40               | 34 (112)         | 26 (84)         | 18 (60)         | 11 (36)         |
| 15 (50)                       | 2.82               | 34 (110)         | 27 (90)         | 18 (60)         | 8 (25)          |
| 18 (60)                       | 1.96               | 37 (120)         | 27 (90)         | 18 (60)         | —               |

| Side-to-Side Distance m (ft) |                  |                 |                 |                 |  |
|------------------------------|------------------|-----------------|-----------------|-----------------|--|
| Mounting Height m (ft)       | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |  |
| 9 (30)                       | 33 (108)         | 26 (84)         | 20 (66)         | 16 (54)         |  |
| 12 (40)                      | 37 (120)         | 29 (96)         | 24 (80)         | 12 (48)         |  |
| 15 (50)                      | 40 (130)         | 30 (100)        | 24 (80)         | 9 (30)          |  |
| 18 (60)                      | 40 (132)         | 35 (114)        | 22 (72)         | —               |  |

# Areamaster™ Generation 2 and High Lumen LED Luminaire

## Floodlight for Hazardous Locations

### NEC/CEC:

Class I, Division 2, Groups A, B, C, D  
Class I, Zone 2 AEx/Ex ec Group IIC Gc  
Class II, Division 1 and 2, Groups E, F, G  
Class III  
Zone 20 and 21 Group IIIC

### NEC/CEC:

Zone 21, AEx/Ex tb Group IIIC Db  
Simultaneous Exposure  
Marine Outside Type (Salt Water) for USA ONLY  
Wet Locations  
Type 3R, 4, 4X, IP66/67

### ATEX/IECEX:

Zone 2, 21, 22  
IP66  
II 2D 3G  
IK10  
Ex ec IIC T5

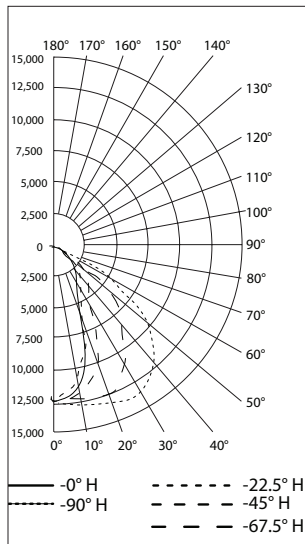
### Photometric Data — DATA SHOWN IS ABSOLUTE

#### NEMA 7x6 Clear Glass

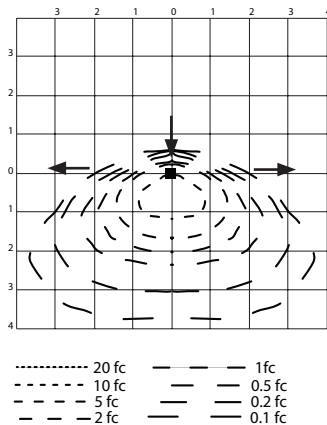
REPORT NUMBER: AMLHL1CG7BU

Luminaire Lumens 22,661

#### POLAR CANDELA DISTRIBUTION



#### ISOFOOT CANDLE PLOT AT 45°



#### FLOOD SUMMARY

|             | Efficiency | Lumens   | Horizontal Spread | Vertical Spread |
|-------------|------------|----------|-------------------|-----------------|
| Field (10%) | 95.8%      | 21,708.2 | 134.1             | 111.1           |
| Beam (50%)  | 61.4%      | 13,911.6 | 118.5             | 44.9            |
| Total       | 100%       | 22,657.0 |                   |                 |

#### Tilt Angle— 45 Degree LLF—0.9

| Mounting Height m (ft) | Maximum Point (fc) | Forward Throw Distance m (ft) |                 |                 |                 |
|------------------------|--------------------|-------------------------------|-----------------|-----------------|-----------------|
|                        |                    | 0.5fc/5lx m (ft)              | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
| 9 (30)                 | 3.64               | 19 (63)                       | 17 (57)         | 14 (54)         | 9 (29)          |
| 12 (40)                | 2.08               | 23 (76)                       | 20 (64)         | 15 (48)         | —               |
| 15 (50)                | 1.33               | 26 (85)                       | 20 (65)         | 12 (40)         | —               |
| 18 (60)                | 0.93               | 27 (90)                       | 20 (66)         | —               | —               |

#### Side-to-Side Distance

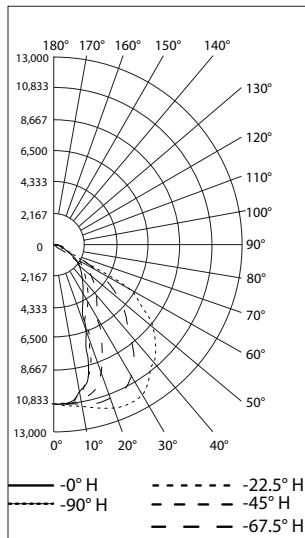
| Mounting Height m (ft) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
|------------------------|------------------|-----------------|-----------------|-----------------|
| 9 (30)                 | 38 (126)         | 33 (108)        | 23 (75)         | 13 (42)         |
| 12 (40)                | 44 (144)         | 32 (104)        | 22 (72)         | —               |
| 15 (50)                | 46 (150)         | 30 (100)        | 15 (50)         | —               |
| 18 (60)                | 46 (150)         | 29 (96)         | —               | —               |

#### NEMA 7x6 Clear Glass

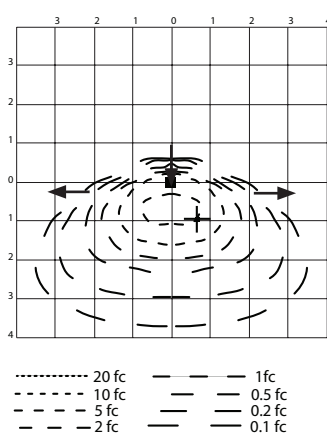
REPORT NUMBER: AMLHL1WG7BU

Luminaire Lumens 19,753

#### POLAR CANDELA DISTRIBUTION



#### ISOFOOT CANDLE PLOT AT 45°



#### FLOOD SUMMARY

|             | Efficiency | Lumens   | Horizontal Spread | Vertical Spread |
|-------------|------------|----------|-------------------|-----------------|
| Field (10%) | 95.8%      | 18,919.3 | 134.7             | 111.5           |
| Beam (50%)  | 61.1%      | 12,060.3 | 117.9             | 45.1            |
| Total       | 100%       | 19,750.3 |                   |                 |

#### Tilt Angle— 45 Degree LLF—0.9

| Mounting Height m (ft) | Maximum Point (fc) | Forward Throw Distance m (ft) |                 |                 |                 |
|------------------------|--------------------|-------------------------------|-----------------|-----------------|-----------------|
|                        |                    | 0.5fc/5lx m (ft)              | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
| 9 (30)                 | 3.26               | 19 (63)                       | 16 (54)         | 14 (45)         | 8 (27)          |
| 12 (40)                | 1.78               | 22 (72)                       | 19 (62)         | 13 (42)         | —               |
| 15 (50)                | 1.16               | 24 (80)                       | 19 (62)         | 11 (35)         | —               |
| 18 (60)                | 0.81               | 27 (90)                       | 18 (60)         | —               | —               |

#### Side-to-Side Distance

| Mounting Height m (ft) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
|------------------------|------------------|-----------------|-----------------|-----------------|
| 9 (30)                 | 37 (120)         | 27 (90)         | 21 (70)         | 8 (25)          |
| 12 (40)                | 40 (130)         | 30 (100)        | 18 (60)         | —               |
| 15 (50)                | 43 (140)         | 27 (90)         | 6 (20)          | —               |
| 18 (60)                | 43 (140)         | 24 (80)         | —               | —               |

# Areamaster™ Generation 2 and High Lumen LED Luminaire

## Floodlight for Hazardous Locations

### NEC/CEC:

Class I, Division 2, Groups A, B, C, D  
Class I, Zone 2 AEx/Ex ec Group IIC Gc  
Class II, Division 1 and 2, Groups E, F, G  
Class III  
Zone 20 and 21 Group IIIC

### NEC/CEC:

Zone 21, AEx/Ex tb Group IIIC Db  
Simultaneous Exposure  
Marine Outside Type (Salt Water) for USA ONLY  
Wet Locations  
Type 3R, 4, 4X, IP66/67

### ATEX/IECEX:

Zone 2, 21, 22  
IP66  
II 2D 3G  
IK10  
Ex ec IIC T5

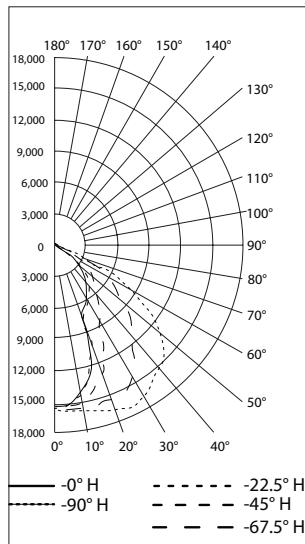
### Photometric Data — DATA SHOWN IS ABSOLUTE

NEMA 7x6 Clear Glass

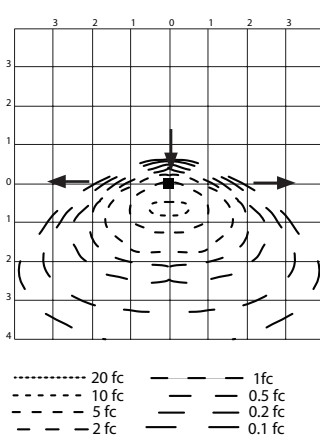
REPORT NUMBER: AMLHL2CG7BU

Luminaire Lumens 28,063

#### POLAR CANDELA DISTRIBUTION



#### ISOFOOT CANDLE PLOT AT 45°



#### FLOOD SUMMARY

|             | Efficiency | Lumens   | Horizontal Spread | Vertical Spread |
|-------------|------------|----------|-------------------|-----------------|
| Field (10%) | 95.8%      | 26,888.8 | 134.1             | 111.1           |
| Beam (50%)  | 61.5%      | 17,260.6 | 118.6             | 45              |
| Total       | 100%       | 28,058.5 |                   |                 |

#### Tilt Angle— 45 Degree LLF—0.9

| Forward Throw Distance |                    |                  |                 |                 |                 |
|------------------------|--------------------|------------------|-----------------|-----------------|-----------------|
| Mounting Height m (ft) | Maximum Point (fc) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
| 9 (30)                 | 4.49               | 21 (68)          | 18 (60)         | 15 (48)         | 10 (32)         |
| 12 (40)                | 2.57               | 24 (80)          | 22 (72)         | 16 (52)         | —               |
| 15 (50)                | 1.64               | 27 (90)          | 23 (75)         | 15 (50)         | —               |
| 18 (60)                | 1.14               | 29 (96)          | 23 (75)         | 13 (42)         | —               |

#### Side-to-Side Distance

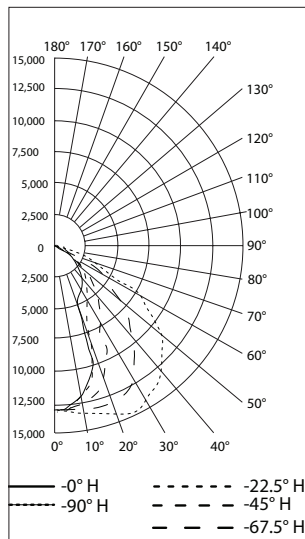
| Mounting Height m (ft) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
|------------------------|------------------|-----------------|-----------------|-----------------|
| 9 (30)                 | 41 (135)         | 35 (114)        | 24 (78)         | 15 (48)         |
| 12 (40)                | 46 (152)         | 37 (120)        | 24 (80)         | —               |
| 15 (50)                | 49 (160)         | 37 (120)        | 23 (75)         | —               |
| 18 (60)                | 48 (156)         | 33 (108)        | 9 (30)          | —               |

NEMA 7x6 Clear Glass

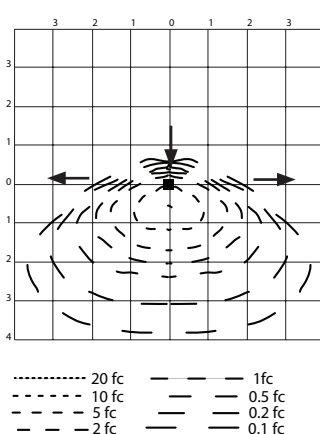
REPORT NUMBER: AMLHL2WG7BU

Luminaire Lumens 23,532

#### POLAR CANDELA DISTRIBUTION



#### ISOFOOT CANDLE PLOT AT 45°



#### FLOOD SUMMARY

|             | Efficiency | Lumens   | Horizontal Spread | Vertical Spread |
|-------------|------------|----------|-------------------|-----------------|
| Field (10%) | 95.7%      | 22,530.7 | 134.6             | 111             |
| Beam (50%)  | 60.9%      | 14,337.3 | 117.9             | 44.7            |
| Total       | 100%       | 23,528.4 |                   |                 |

#### Tilt Angle— 45 Degree LLF—0.9

| Forward Throw Distance |                    |                  |                 |                 |                 |
|------------------------|--------------------|------------------|-----------------|-----------------|-----------------|
| Mounting Height m (ft) | Maximum Point (fc) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
| 9 (30)                 | 3.80               | 20 (66)          | 17 (57)         | 14 (45)         | 10 (32)         |
| 12 (40)                | 2.17               | 23 (76)          | 18 (60)         | 15 (48)         | —               |
| 15 (50)                | 1.39               | 26 (85)          | 21 (70)         | 14 (45)         | —               |
| 18 (60)                | 0.97               | 27 (90)          | 20 (66)         | —               | —               |

#### Side-to-Side Distance

| Mounting Height m (ft) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
|------------------------|------------------|-----------------|-----------------|-----------------|
| 9 (30)                 | 38 (126)         | 33 (108)        | 22 (72)         | 13 (42)         |
| 12 (40)                | 44 (144)         | 34 (112)        | 22 (72)         | —               |
| 15 (50)                | 46 (150)         | 30 (100)        | 18 (60)         | —               |
| 18 (60)                | 48 (156)         | 29 (96)         | —               | —               |

# Areamaster™ Generation 2 and High Lumen LED Luminaire

## Floodlight for Hazardous Locations

### NEC/CEC:

Class I, Division 2, Groups A, B, C, D  
Class I, Zone 2 AEx/Ex ec Group IIC Gc  
Class II, Division 1 and 2, Groups E, F, G  
Class III  
Zone 20 and 21 Group IIIC

### NEC/CEC:

Zone 21, AEx/Ex tb Group IIIC Db  
Simultaneous Exposure  
Marine Outside Type (Salt Water) for USA ONLY  
Wet Locations  
Type 3R, 4, 4X, IP66/67

### ATEX/IECEX:

Zone 2, 21, 22  
IP66  
II 2D 3G  
IK10  
Ex ec IIC T5

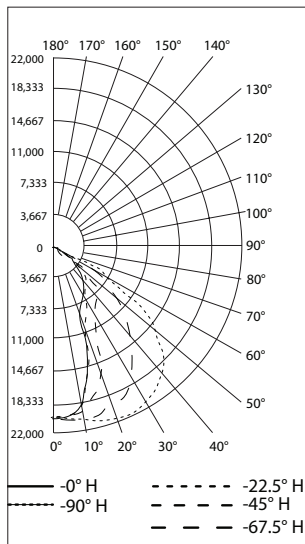
### Photometric Data — DATA SHOWN IS ABSOLUTE

NEMA 7x6 Clear Glass

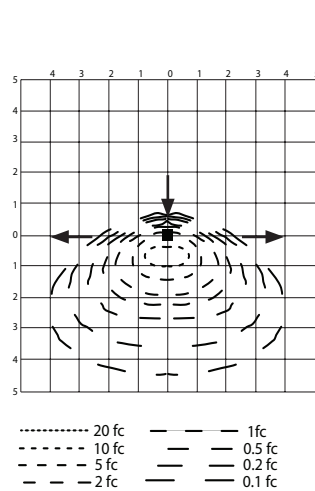
REPORT NUMBER: AMLHL3CG7BU

Luminaire Lumens 35,430

#### POLAR CANDELA DISTRIBUTION



#### ISOFOOT CANDLE PLOT AT 45°



#### FLOOD SUMMARY

|             | Efficiency | Lumens   | Horizontal Spread | Vertical Spread |
|-------------|------------|----------|-------------------|-----------------|
| Field (10%) | 95.7%      | 33,908.8 | 139               | 111.1           |
| Beam (50%)  | 60.9%      | 21,578.5 | 115.4             | 45.6            |
| Total       | 100%       | 35,424.1 |                   |                 |

Tilt Angle— 45 Degree LLF—0.9

| Forward Throw Distance |                    |                  |                 |                 |                 |
|------------------------|--------------------|------------------|-----------------|-----------------|-----------------|
| Mounting Height m (ft) | Maximum Point (fc) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
| 9 (30)                 | 5.69               | 22 (72)          | 19 (62)         | 16 (54)         | 11 (36)         |
| 12 (40)                | 3.20               | 26 (84)          | 22 (72)         | 17 (56)         | 10 (32)         |
| 15 (50)                | 2.05               | 29 (95)          | 24 (80)         | 18 (60)         | —               |
| 18 (60)                | 1.42               | 32 (105)         | 24 (78)         | 16 (54)         | —               |

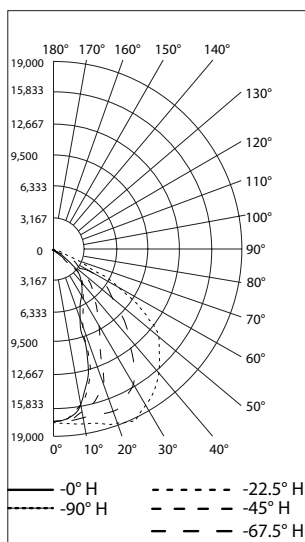
| Side-to-Side Distance  |                  |                 |                 |                 |  |
|------------------------|------------------|-----------------|-----------------|-----------------|--|
| Mounting Height m (ft) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |  |
| 9 (30)                 | 42 (138)         | 37 (120)        | 27 (90)         | 18 (60)         |  |
| 12 (40)                | 49 (160)         | 37 (120)        | 27 (88)         | 12 (40)         |  |
| 15 (50)                | 55 (180)         | 40 (130)        | 27 (90)         | —               |  |
| 18 (60)                | 55 (180)         | 40 (132)        | 22 (72)         | —               |  |

NEMA 7x6 Clear Glass

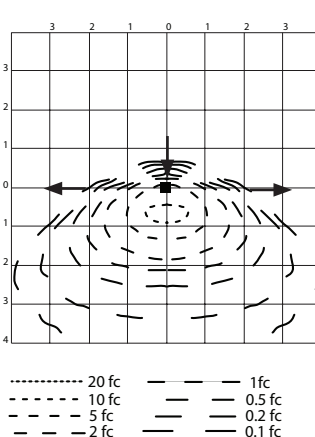
REPORT NUMBER: AMLHL3WG7BU

Luminaire Lumens 30,346

#### POLAR CANDELA DISTRIBUTION



#### ISOFOOT CANDLE PLOT AT 45°



#### FLOOD SUMMARY

|             | Efficiency | Lumens   | Horizontal Spread | Vertical Spread |
|-------------|------------|----------|-------------------|-----------------|
| Field (10%) | 95%        | 31,186.0 | 96.1              | 93.5            |
| Beam (50%)  | 84%        | 27,593.2 | 80.4              | 79.8            |
| Total       | 100%       | 32,832.0 |                   |                 |

Tilt Angle— 45 Degree LLF—0.9

| Forward Throw Distance |                    |                  |                 |                 |                 |
|------------------------|--------------------|------------------|-----------------|-----------------|-----------------|
| Mounting Height m (ft) | Maximum Point (fc) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
| 9 (30)                 | 4.99               | 21 (69)          | 18 (60)         | 16 (54)         | 10 (33)         |
| 12 (40)                | 2.81               | 25 (82)          | 22 (72)         | 16 (52)         | 9 (28)          |
| 15 (50)                | 1.79               | 27 (90)          | 23 (75)         | 17 (55)         | —               |
| 18 (60)                | 1.25               | 29 (96)          | 23 (75)         | 15 (48)         | —               |

| Side-to-Side Distance  |                  |                 |                 |                 |  |
|------------------------|------------------|-----------------|-----------------|-----------------|--|
| Mounting Height m (ft) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |  |
| 9 (30)                 | 41 (135)         | 35 (114)        | 26 (84)         | 16 (54)         |  |
| 12 (40)                | 49 (160)         | 37 (120)        | 24 (80)         | 2 (8)           |  |
| 15 (50)                | 49 (160)         | 37 (120)        | 23 (75)         | —               |  |
| 18 (60)                | 51 (168)         | 37 (120)        | 18 (60)         | —               |  |



# Areamaster™ Generation 2 and High Lumen LED Luminaire

## Floodlight for Hazardous Locations

### NEC/CEC:

Class I, Division 2, Groups A, B, C, D  
Class I, Zone 2 AEx/Ex ec Group IIC Gc  
Class II, Division 1 and 2, Groups E, F, G  
Class III  
Zone 20 and 21 Group IIIC

### NEC/CEC:

Zone 21, AEx/Ex tb Group IIIC Db  
Simultaneous Exposure  
Marine Outside Type (Salt Water) for USA ONLY  
Wet Locations  
Type 3R, 4, 4X, IP66/67

### ATEX/IECEX:

Zone 2, 21, 22  
IP66  
II 2D 3G  
IK10  
Ex ec IIC T5

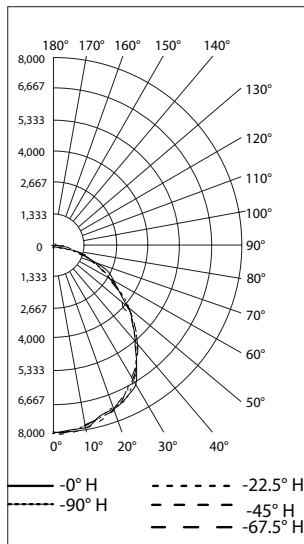
### Photometric Data — DATA SHOWN IS ABSOLUTE

#### NEMA 7x7 Diffused Glass

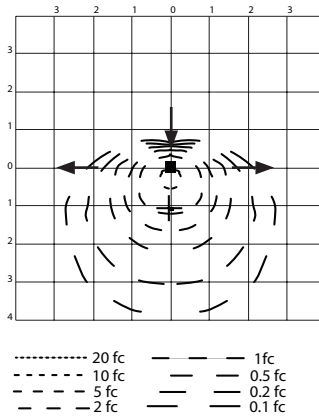
REPORT NUMBER: AMLHL1CF6BU

Luminaire Lumens 20,578

#### POLAR CANDELA DISTRIBUTION



#### ISOFOOT CANDLE PLOT AT 45°



#### FLOOD SUMMARY

|             | Efficiency | Lumens   | Horizontal Spread | Vertical Spread |
|-------------|------------|----------|-------------------|-----------------|
| Field (10%) | 98%        | 20,176.5 | 155.7             | 154.5           |
| Beam (50%)  | 70.2%      | 14,453.8 | 104.6             | 103.6           |
| Total       | 100%       | 20,571.8 |                   |                 |

#### Tilt Angle— 45 Degree LLF—0.9

| Forward Throw Distance |                    |                  |                 |                 |                 |
|------------------------|--------------------|------------------|-----------------|-----------------|-----------------|
| Mounting Height m (ft) | Maximum Point (fc) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
| 9 (30)                 | 2.47               | 20 (66)          | 16 (54)         | 11 (36)         | 4 (12)          |
| 12 (40)                | 1.40               | 22 (72)          | 16 (52)         | 10 (32)         | —               |
| 15 (50)                | 0.89               | 21 (70)          | 15 (50)         | 6 (20)          | —               |
| 18 (60)                | 0.62               | 22 (72)          | 13 (42)         | —               | —               |

#### Side-to-Side Distance

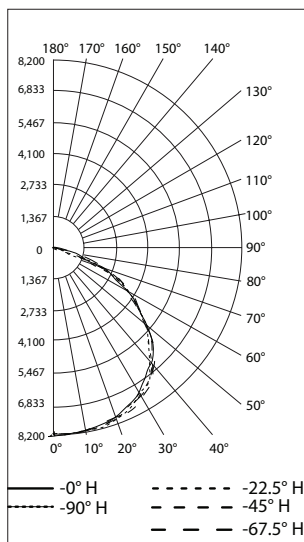
| Mounting Height m (ft) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
|------------------------|------------------|-----------------|-----------------|-----------------|
| 9 (30)                 | 31 (102)         | 22 (72)         | 16 (54)         | 4 (12)          |
| 12 (40)                | 32 (104)         | 22 (72)         | 12 (40)         | —               |
| 15 (50)                | 30 (100)         | 21 (70)         | 5 (15)          | —               |
| 18 (60)                | 33 (108)         | 15 (48)         | —               | —               |

#### NEMA 7x7 Clear Glass

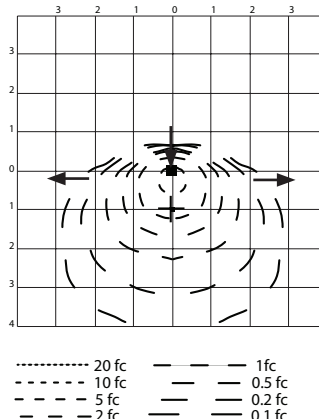
REPORT NUMBER: AMLHL1CG6BU rotated

Luminaire Lumens 23,457

#### POLAR CANDELA DISTRIBUTION



#### ISOFOOT CANDLE PLOT AT 45°



#### FLOOD SUMMARY

|             | Efficiency | Lumens   | Horizontal Spread | Vertical Spread |
|-------------|------------|----------|-------------------|-----------------|
| Field (10%) | 98.4%      | 23,090.9 | 151.1             | 151.2           |
| Beam (50%)  | 80.3%      | 18,837.0 | 115.2             | 116.4           |
| Total       | 100%       | 23,448.8 |                   |                 |

#### Tilt Angle— 45 Degree LLF—0.9

| Forward Throw Distance m (ft) |                    |                  |                 |                 |                 |
|-------------------------------|--------------------|------------------|-----------------|-----------------|-----------------|
| Mounting Height m (ft)        | Maximum Point (fc) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
| 9 (30)                        | 2.84               | 20 (66)          | 16 (54)         | 11 (36)         | 5 (15)          |
| 12 (40)                       | 1.60               | 22 (72)          | 17 (56)         | 10 (32)         | —               |
| 15 (50)                       | 1.03               | 23 (75)          | 15 (50)         | 6 (20)          | —               |
| 18 (60)                       | 0.71               | 23 (75)          | 14 (45)         | —               | —               |

#### Side-to-Side Distance m (ft)

| Mounting Height m (ft) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
|------------------------|------------------|-----------------|-----------------|-----------------|
| 9 (30)                 | 33 (108)         | 24 (78)         | 18 (60)         | 7 (24)          |
| 12 (40)                | 34 (112)         | 24 (80)         | 15 (48)         | —               |
| 15 (50)                | 37 (120)         | 24 (80)         | 12 (40)         | —               |
| 18 (60)                | 35 (114)         | 18 (60)         | —               | —               |



# Areamaster™ Generation 2 and High Lumen LED Luminaire

## Floodlight for Hazardous Locations

### NEC/CEC:

Class I, Division 2, Groups A, B, C, D  
Class I, Zone 2 AEx/Ex ec Group IIC Gc  
Class II, Division 1 and 2, Groups E, F, G  
Class III  
Zone 20 and 21 Group IIIC

### NEC/CEC:

Zone 21, AEx/Ex tb Group IIIC Db  
Simultaneous Exposure  
Marine Outside Type (Salt Water) for USA ONLY  
Wet Locations  
Type 3R, 4, 4X, IP66/67

### ATEX/IECEX:

Zone 2, 21, 22  
IP66  
II 2D 3G  
IK10  
Ex ec IIC T5

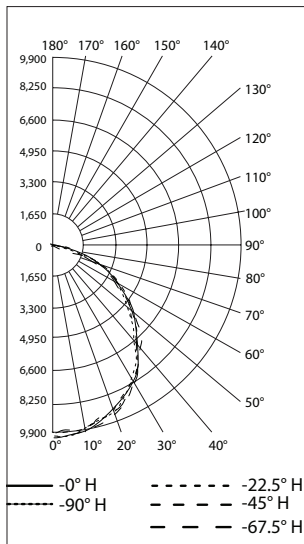
### Photometric Data — DATA SHOWN IS ABSOLUTE

#### NEMA 7x7 Diffused Glass

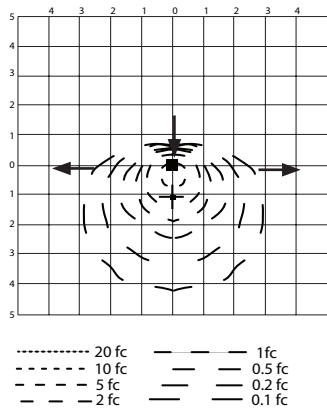
REPORT NUMBER: AMLHL2CF6BU

Luminaire Lumens 25,616

#### POLAR CANDELA DISTRIBUTION



#### ISOFOOT CANDLE PLOT AT 45°



#### FLOOD SUMMARY

|             | Efficiency | Lumens   | Horizontal Spread | Vertical Spread |
|-------------|------------|----------|-------------------|-----------------|
| Field (10%) | 98.1%      | 25,135.5 | 155.9             | 154.5           |
| Beam (50%)  | 69.9%      | 17,911.8 | 104.6             | 103.7           |
| Total       | 100%       | 25,609.0 |                   |                 |

#### Tilt Angle— 45 Degree LLF—0.9

| Forward Throw Distance |                    |                  |                 |                 |                 |
|------------------------|--------------------|------------------|-----------------|-----------------|-----------------|
| Mounting Height m (ft) | Maximum Point (fc) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
| 9 (30)                 | 3.07               | 22 (72)          | 17 (57)         | 12 (39)         | 6 (21)          |
| 12 (40)                | 1.70               | 24 (80)          | 17 (56)         | 12 (40)         | —               |
| 15 (50)                | 1.09               | 24 (80)          | 18 (60)         | 9 (30)          | —               |
| 18 (60)                | 0.76               | 24 (78)          | 16 (54)         | —               | —               |

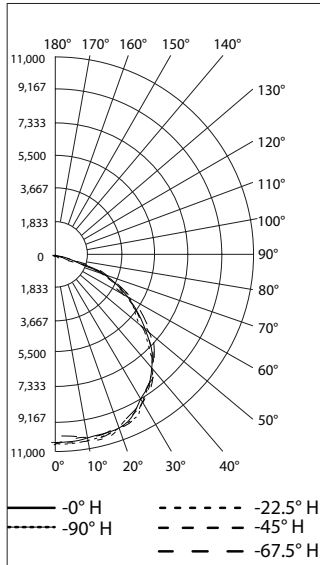
| Side-to-Side Distance  |                  |                 |                 |                 |  |
|------------------------|------------------|-----------------|-----------------|-----------------|--|
| Mounting Height m (ft) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |  |
| 9 (30)                 | 33 (108)         | 24 (78)         | 18 (60)         | 7 (24)          |  |
| 12 (40)                | 34 (112)         | 24 (80)         | 17 (56)         | —               |  |
| 15 (50)                | 37 (120)         | 24 (80)         | 15 (50)         | —               |  |
| 18 (60)                | 37 (120)         | 18 (60)         | —               | —               |  |

#### NEMA 7x7 Clear Glass

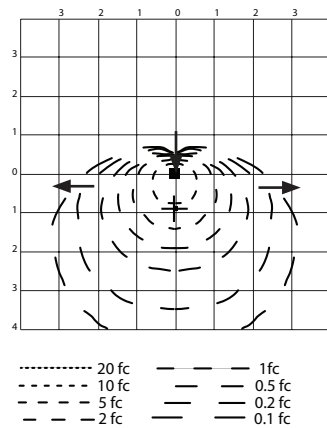
REPORT NUMBER: AMLHL2CG6BU

Luminaire Lumens 30,157

#### POLAR CANDELA DISTRIBUTION



#### ISOFOOT CANDLE PLOT AT 45°



#### FLOOD SUMMARY

|             | Efficiency | Lumens   | Horizontal Spread | Vertical Spread |
|-------------|------------|----------|-------------------|-----------------|
| Field (10%) | 98.2%      | 29,616.7 | 151.4             | 145.9           |
| Beam (50%)  | 81.2%      | 24,501.2 | 116.8             | 117.7           |
| Total       | 100%       | 30,147.4 |                   |                 |

#### Tilt Angle— 45 Degree LLF—0.9

| Forward Throw Distance |                    |                  |                 |                 |                 |
|------------------------|--------------------|------------------|-----------------|-----------------|-----------------|
| Mounting Height m (ft) | Maximum Point (fc) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
| 9 (30)                 | 4.17               | 23 (75)          | 17 (57)         | 13 (42)         | 7 (24)          |
| 12 (40)                | 2.35               | 24 (80)          | 18 (60)         | 12 (40)         | —               |
| 15 (50)                | 1.49               | 24 (80)          | 18 (60)         | 9 (30)          | —               |
| 18 (60)                | 1.04               | 26 (84)          | 16 (54)         | 7 (24)          | —               |

| Side-to-Side Distance  |                  |                 |                 |                 |  |
|------------------------|------------------|-----------------|-----------------|-----------------|--|
| Mounting Height m (ft) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |  |
| 9 (30)                 | 35 (114)         | 26 (84)         | 19 (63)         | 9 (30)          |  |
| 12 (40)                | 37 (120)         | 27 (88)         | 20 (64)         | —               |  |
| 15 (50)                | 37 (120)         | 24 (80)         | 15 (50)         | —               |  |
| 18 (60)                | 37 (120)         | 22 (72)         | 9 (30)          | —               |  |

# Areamaster™ Generation 2 and High Lumen LED Luminaire

## Floodlight for Hazardous Locations

### NEC/CEC:

Class I, Division 2, Groups A, B, C, D  
Class I, Zone 2 AEx/Ex ec Group IIC Gc  
Class II, Division 1 and 2, Groups E, F, G  
Class III  
Zone 20 and 21 Group IIIC

### NEC/CEC:

Zone 21, AEx/Ex tb Group IIIC Db  
Simultaneous Exposure  
Marine Outside Type (Salt Water) for USA ONLY  
Wet Locations  
Type 3R, 4, 4X, IP66/67

### ATEX/IECEX:

Zone 2, 21, 22  
IP66  
II 2D 3G  
IK10  
Ex ec IIC T5

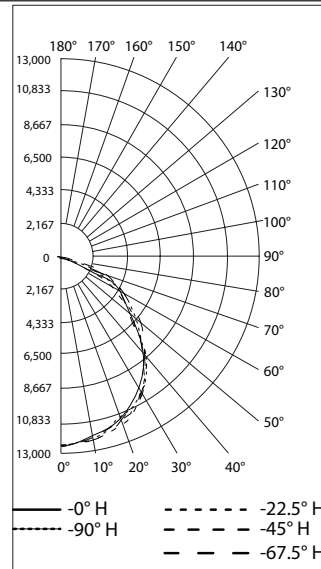
### Photometric Data — DATA SHOWN IS ABSOLUTE

#### NEMA 7x7 Diffused Glass

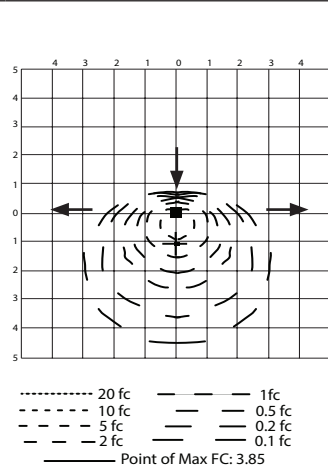
REPORT NUMBER: AMLHL3CF6BU rotated

Luminaire Lumens 31,600

#### POLAR CANDELA DISTRIBUTION



#### ISOFOOT CANDLE PLOT AT 45°



#### FLOOD SUMMARY

|             | Efficiency | Lumens   | Horizontal Spread | Vertical Spread |
|-------------|------------|----------|-------------------|-----------------|
| Field (10%) | 97.9%      | 30,947.7 | 156               | 154.1           |
| Beam (50%)  | 69.5%      | 21,961.6 | 104               | 102.9           |
| Total       | 100%       | 31,591.2 |                   |                 |

#### Tilt Angle— 45 Degree LLF—0.9

| Forward Throw Distance |                    |                  |                 |                 |                 |
|------------------------|--------------------|------------------|-----------------|-----------------|-----------------|
| Mounting Height m (ft) | Maximum Point (fc) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
| 9 (30)                 | 3.82               | 24 (78)          | 18 (60)         | 13 (42)         | 8 (27)          |
| 12 (40)                | 2.15               | 26 (84)          | 18 (60)         | 13 (44)         | —               |
| 15 (50)                | 1.38               | 27 (88)          | 20 (65)         | 12 (40)         | —               |
| 18 (60)                | 0.96               | 27 (90)          | 20 (66)         | 7 (24)          | —               |

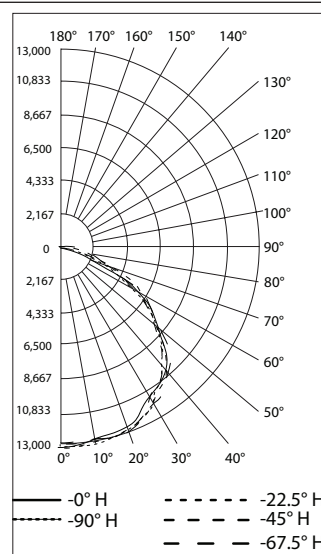
| Side-to-Side Distance  |                  |                 |                 |                 |  |
|------------------------|------------------|-----------------|-----------------|-----------------|--|
| Mounting Height m (ft) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |  |
| 9 (30)                 | 35 (114)         | 26 (84)         | 18 (60)         | 9 (30)          |  |
| 12 (40)                | 37 (120)         | 27 (88)         | 20 (56)         | —               |  |
| 15 (50)                | 38 (125)         | 27 (90)         | 15 (50)         | —               |  |
| 18 (60)                | 40 (132)         | 22 (72)         | —               | —               |  |

#### NEMA 7x7 Clear Glass

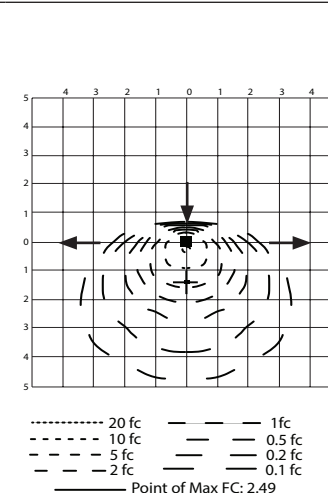
REPORT NUMBER: AMLHL3CG6BU rotated

Luminaire Lumens 37,039

#### POLAR CANDELA DISTRIBUTION



#### ISOFOOT CANDLE PLOT AT 45°



#### FLOOD SUMMARY

|             | Efficiency | Lumens   | Horizontal Spread | Vertical Spread |
|-------------|------------|----------|-------------------|-----------------|
| Field (10%) | 98.3%      | 36,391.3 | 152.3             | 150.9           |
| Beam (50%)  | 79.5%      | 29,452.1 | 114.2             | 115.8           |
| Total       | 100%       | 37,028.2 |                   |                 |

#### Tilt Angle— 45 Degree LLF—0.9

| Forward Throw Distance |                    |                  |                 |                 |                 |
|------------------------|--------------------|------------------|-----------------|-----------------|-----------------|
| Mounting Height m (ft) | Maximum Point (fc) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |
| 9 (30)                 | 2.44               | 26 (84)          | 19 (63)         | 14 (45)         | 8 (27)          |
| 12 (40)                | 1.37               | 27 (88)          | 21 (68)         | 15 (48)         | 5 (16)          |
| 15 (50)                | 0.88               | 27 (90)          | 20 (65)         | 12 (40)         | —               |
| 18 (60)                | 0.60               | 27 (90)          | 20 (66)         | 9 (30)          | —               |

| Side-to-Side Distance  |                  |                 |                 |                 |  |
|------------------------|------------------|-----------------|-----------------|-----------------|--|
| Mounting Height m (ft) | 0.5fc/5lx m (ft) | 1fc/11lx m (ft) | 2fc/22lx m (ft) | 5fc/54lx m (ft) |  |
| 9 (30)                 | 37 (120)         | 27 (90)         | 22 (72)         | 13 (42)         |  |
| 12 (40)                | 41 (136)         | 30 (100)        | 22 (72)         | 6 (20)          |  |
| 15 (50)                | 40 (130)         | 30 (100)        | 18 (60)         | —               |  |
| 18 (60)                | 44 (144)         | 29 (96)         | 15 (48)         | —               |  |