

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P450165

Luminaire Tested: **GALN-SA1A-722-U-AFL**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P450165  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SA1A-722-U-AFL  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 16 LEDS AND AUTOMOTIVE FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3435 lumens  
Efficiency: N/A  
Efficacy: 104.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

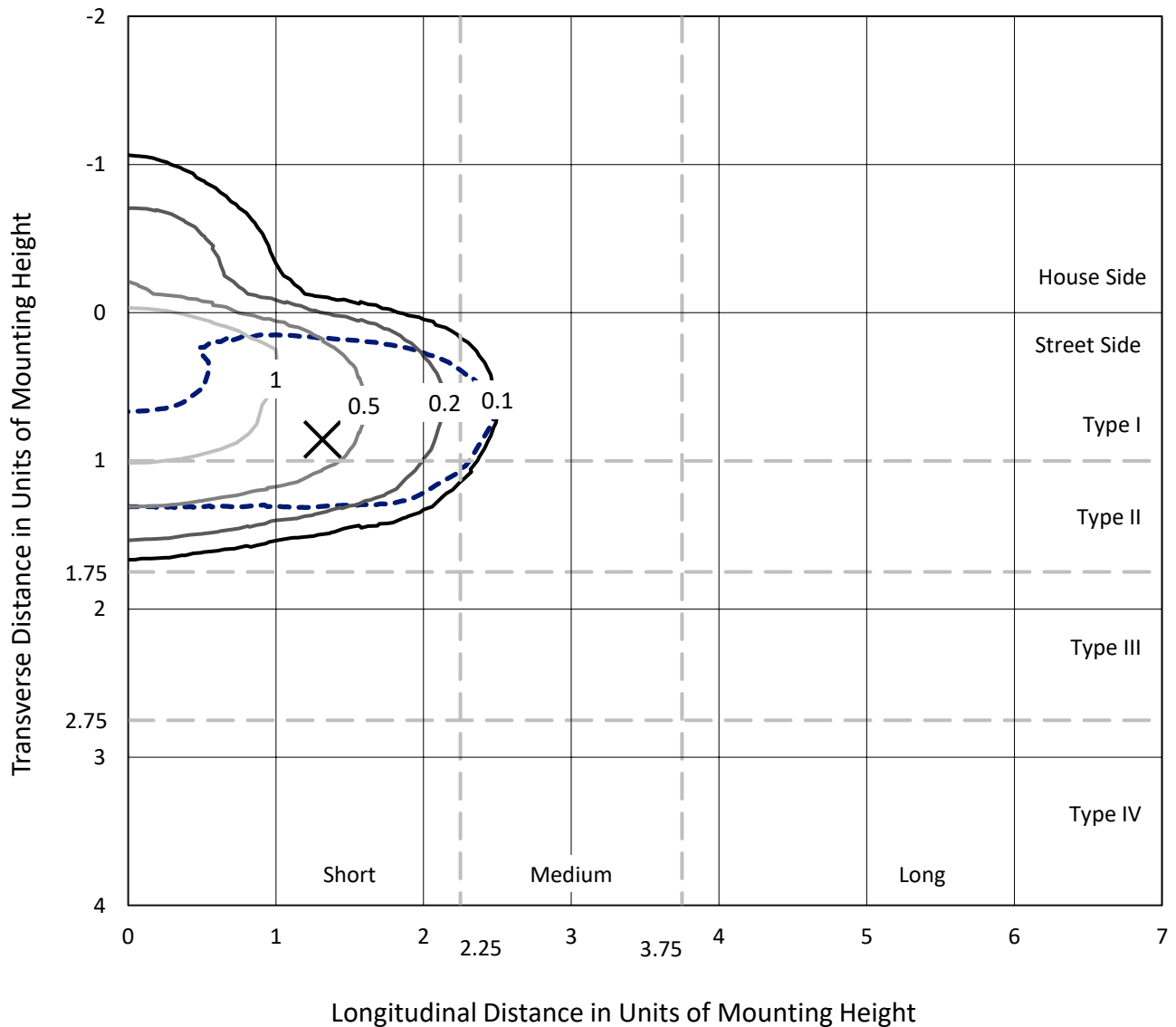
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P450165  
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### Iso-Footcandle Lines of Horizontal Illumination

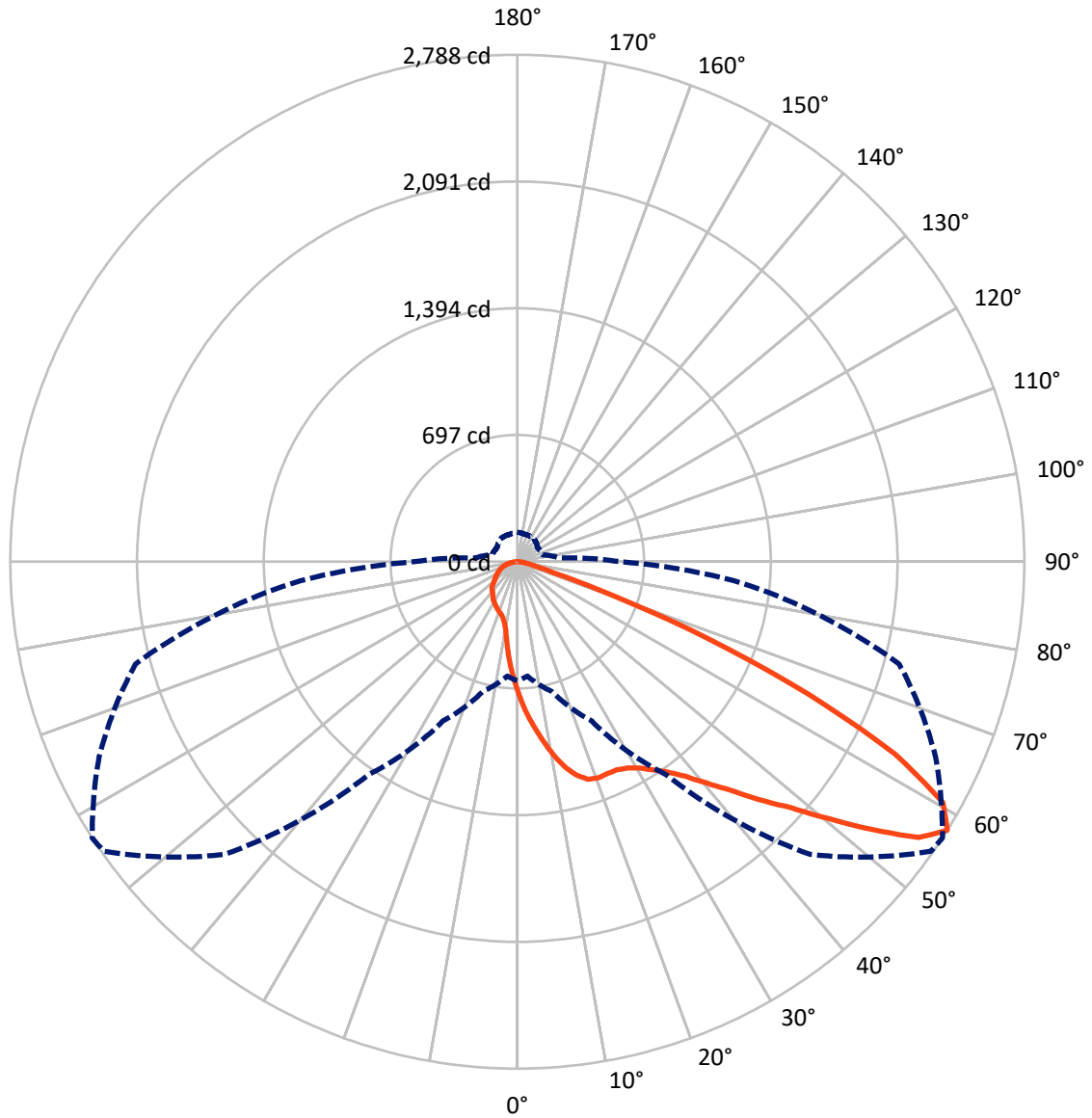
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 522.4    | 0.0    | 522.4  |
|                    | % Fixture | 15.2     | 0.0    | 15.2   |
| <b>Street Side</b> | Lumens    | 2912.6   | 0.0    | 2912.6 |
|                    | % Fixture | 84.8     | 0.0    | 84.8   |
| <b>Total</b>       | Lumens    | 3435.0   | 0.0    | 3435.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 69.4   | 2.0       |
| 10°-20°   | 204.4  | 6.0       |
| 20°-30°   | 339.4  | 9.9       |
| 30°-40°   | 511.3  | 14.9      |
| 40°-50°   | 767.6  | 22.3      |
| 50°-60°   | 860.4  | 25.0      |
| 60°-70°   | 503.5  | 14.7      |
| 70°-80°   | 148.9  | 4.3       |
| 80°-90°   | 30.1   | 0.9       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 3435.0 | 100.0     |
| 0°-180°   | 3435.0 | 100.0     |

**Coefficient of Utilization**



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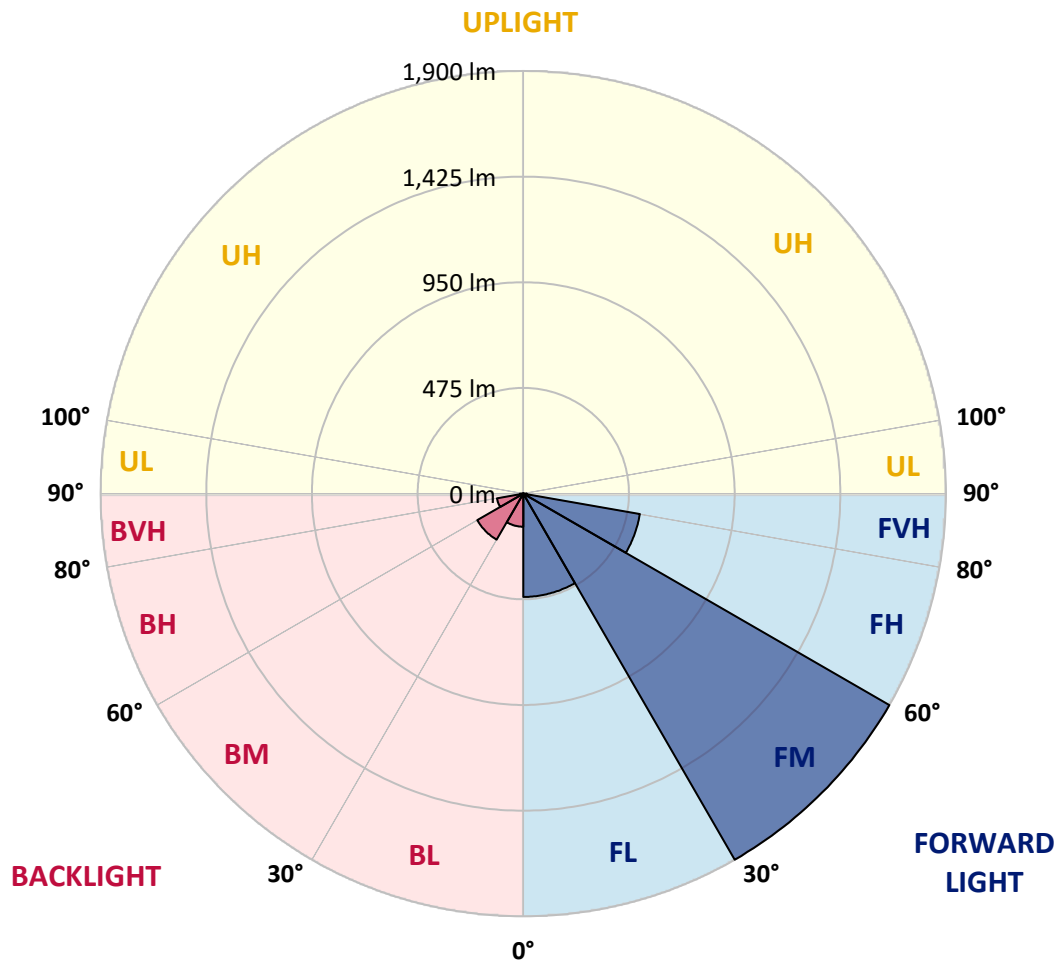
CATALOG NUMBER: GALN-SA1A-722-U-AFL

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 464.3  | 13.5      |                         |      |        |
| FM   | (30°-60°)   | 1900.4 | 55.3      |                         |      |        |
| FH   | (60°-80°)   | 532.3  | 15.5      |                         |      | G0/660 |
| FVH  | (80°-90°)   | 15.6   | 0.5       |                         |      | G1/100 |
| BL   | (0°-30°)    | 148.8  | 4.3       | B1/500                  |      |        |
| BM   | (30°-60°)   | 238.8  | 7.0       | B1/1000                 |      |        |
| BH   | (60°-80°)   | 120.2  | 3.5       | B1/500                  |      | G1/500 |
| BVH  | (80°-90°)   | 14.5   | 0.4       |                         |      | G1/100 |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B1-U0-G1**

Type II Short





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CANDELA DISTRIBUTION (FULL):

Table with 12 columns representing beam angles from 0° to 90° in 2.5° increments. Each cell contains a numerical value representing candela distribution. Values are constant at 721.7 from 0° to 5°, then increase and peak at 2787.7 at 57.5°, before decreasing to 0.0 at 90°.

