

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: P527208

Luminaire Tested: **GALN-SA2B-727-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527208  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA2B-727-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8447 lumens  
Efficiency: N/A  
Efficacy: 103.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

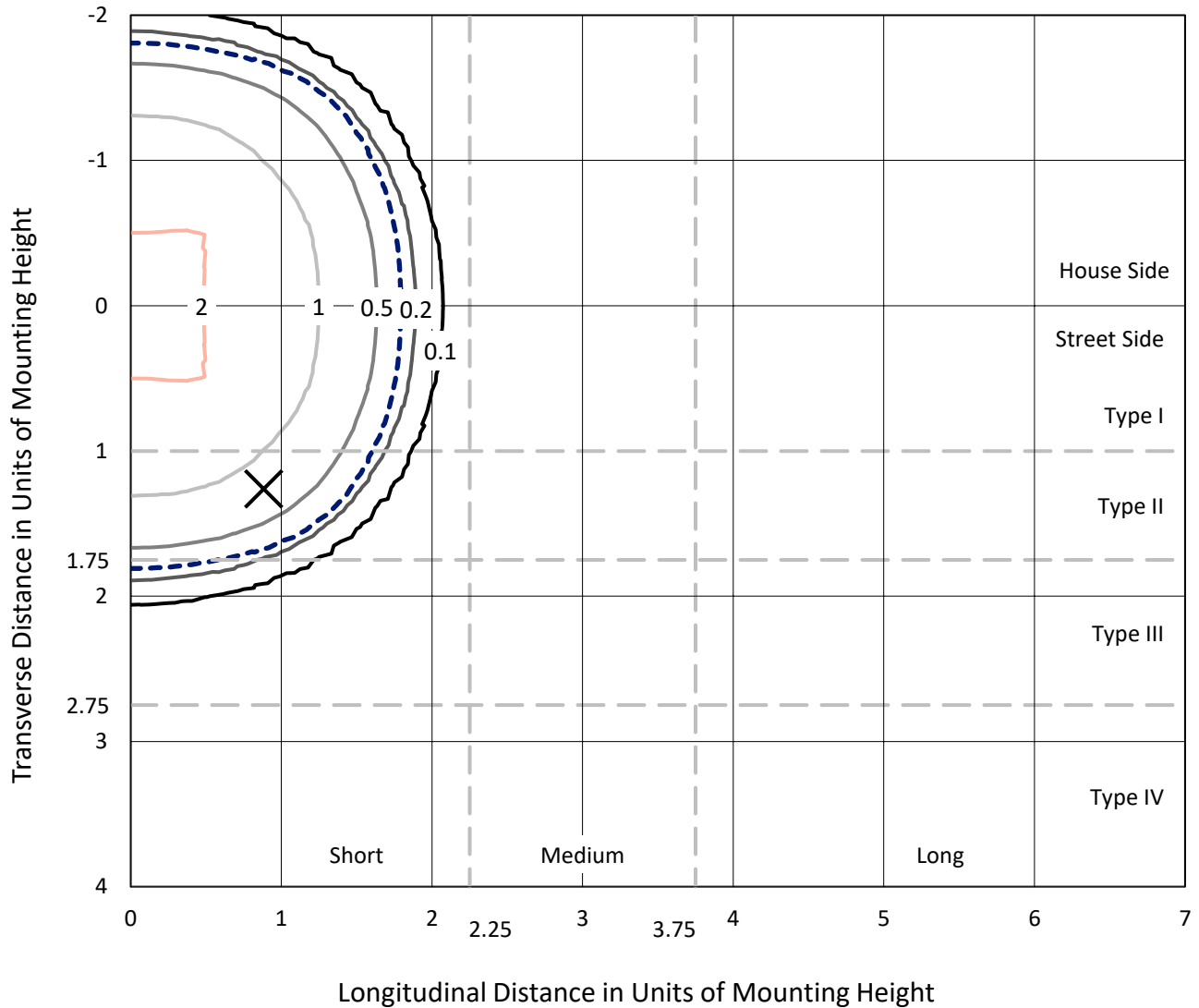
Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

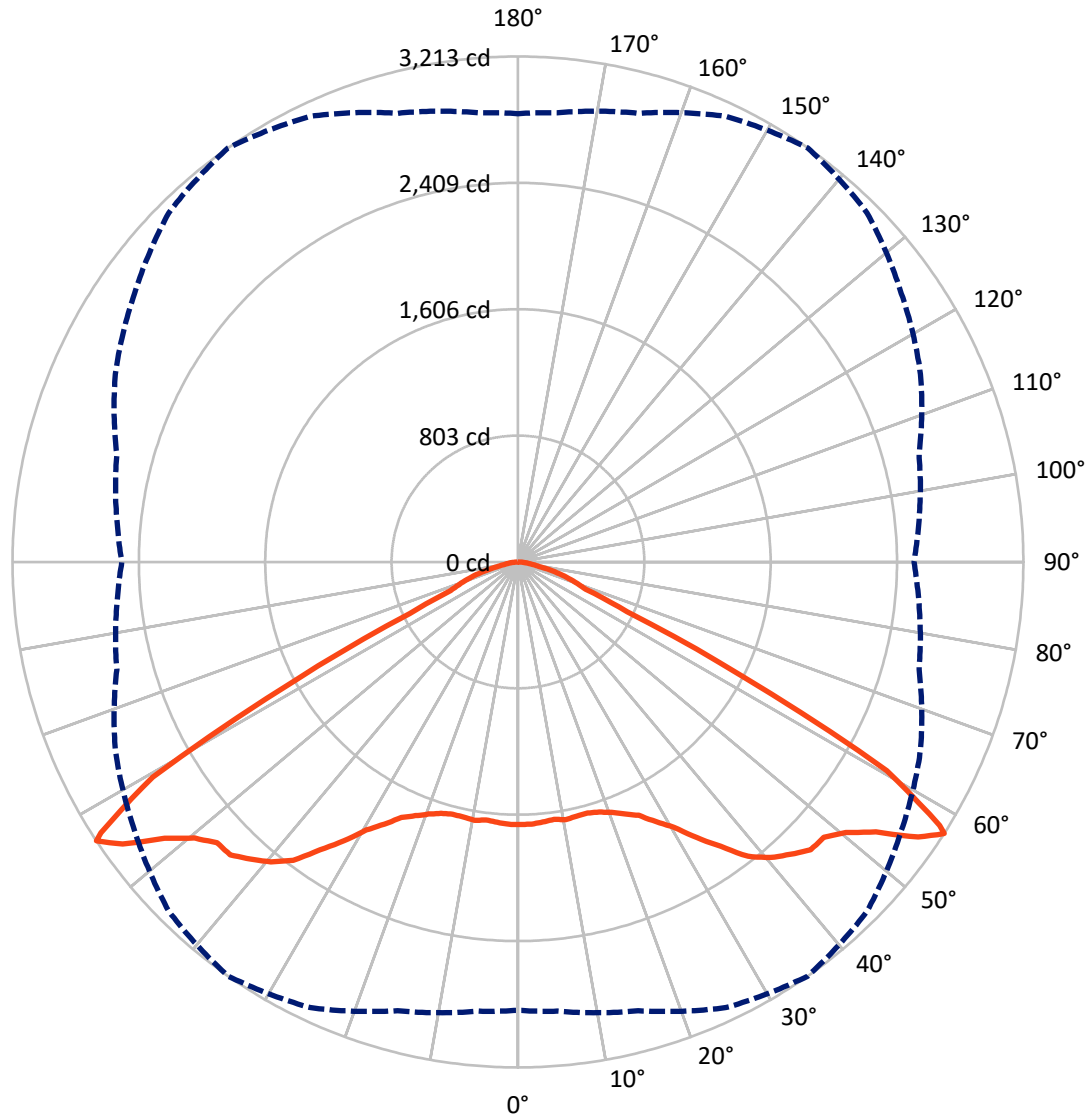
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4223.5	0.0	4223.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4223.5	0.0	4223.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8447.0	0.0	8447.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	158.2	1.9
10°-20°	468.4	5.5
20°-30°	818.1	9.7
30°-40°	1340.4	15.9
40°-50°	1965.4	23.3
50°-60°	2475.5	29.3
60°-70°	931.0	11.0
70°-80°	247.6	2.9
80°-90°	42.5	0.5
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°	8447.0	100.0
0°-180°	8447.0	100.0

**Coefficient of Utilization**

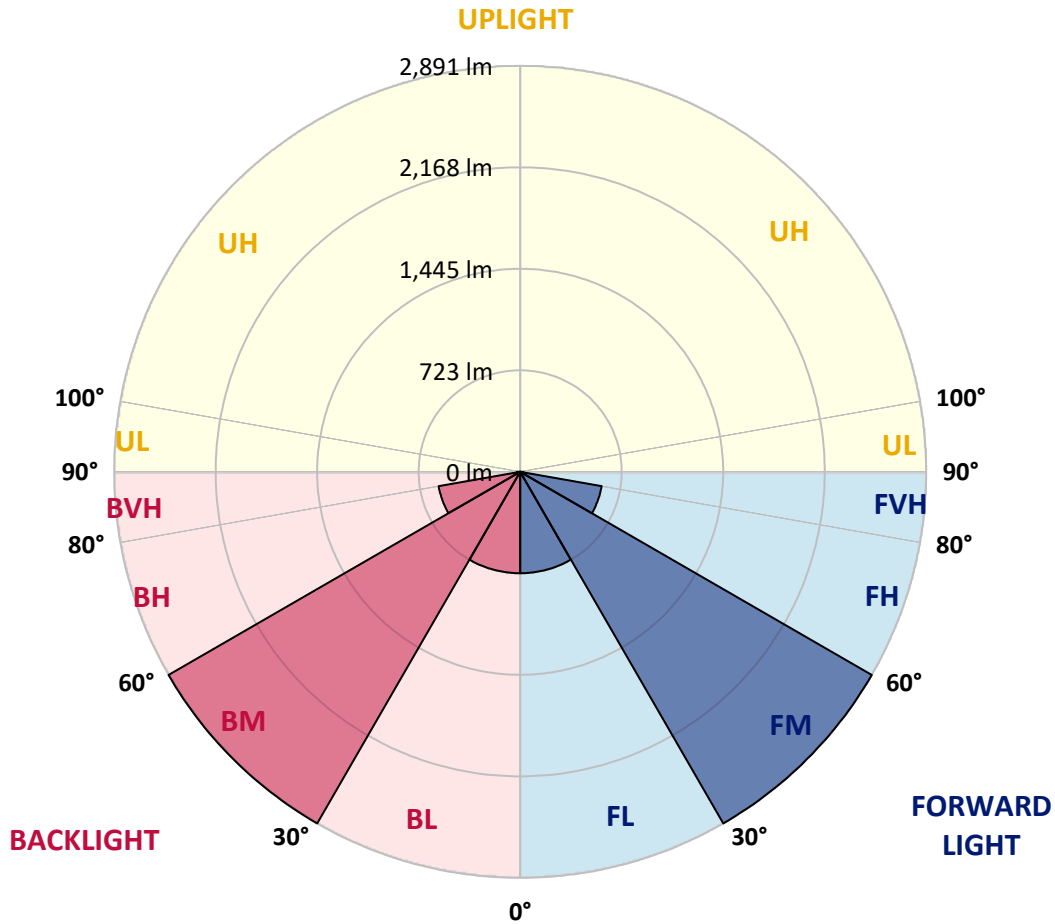


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	722.3	8.6			
FM (30°-60°)	2890.7	34.2			
FH (60°-80°)	589.3	7.0			G0/660
FVH (80°-90°)	21.2	0.3			G1/100
BL (0°-30°)	722.3	8.6	B2/1000		
BM (30°-60°)	2890.7	34.2	B3/5000		
BH (60°-80°)	589.3	7.0	B2/1000		G0/660
BVH (80°-90°)	21.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1668.2	1668.2	1668.2	1668.2	1668.2	1668.2	1668.2	1668.2	1668.2	1668.2	1668.2
2.5°	1659.9	1676.5	1669.3	1665.1	1668.2	1663.0	1654.7	1664.1	1662.0	1653.7	1650.5
5°	1655.7	1668.2	1659.9	1668.2	1659.9	1674.5	1670.3	1654.7	1673.4	1655.7	1662.0
7.5°	1652.6	1656.8	1658.9	1654.7	1651.6	1669.3	1659.9	1652.6	1642.2	1639.1	1644.3
10°	1645.3	1655.7	1640.1	1660.9	1665.1	1652.6	1652.6	1639.1	1630.8	1625.6	1643.2
12.5°	1664.1	1646.4	1644.3	1654.7	1657.8	1663.0	1648.4	1641.2	1625.6	1627.6	1624.5
15°	1642.2	1649.5	1650.5	1652.6	1655.7	1668.2	1654.7	1639.1	1632.8	1611.0	1613.1
17.5°	1650.5	1643.2	1650.5	1674.5	1670.3	1679.7	1665.1	1641.2	1626.6	1614.1	1630.8
20°	1665.1	1662.0	1665.1	1694.2	1699.4	1707.8	1695.3	1673.4	1645.3	1630.8	1639.1
22.5°	1680.7	1678.6	1680.7	1708.8	1739.0	1749.4	1736.9	1685.9	1671.3	1644.3	1634.9
25°	1708.8	1710.9	1732.7	1764.0	1783.7	1803.5	1780.6	1744.2	1697.4	1680.7	1660.9
27.5°	1771.2	1776.5	1788.9	1834.7	1869.1	1886.8	1854.5	1804.6	1775.4	1741.1	1735.9
30°	1848.3	1848.3	1870.1	1909.7	1956.5	1983.5	1944.0	1884.7	1849.3	1830.6	1819.1
32.5°	1950.2	1938.8	1947.1	2016.9	2089.7	2112.6	2059.5	1986.7	1930.5	1905.5	1897.2
35°	2037.7	2044.9	2063.7	2138.6	2219.8	2272.9	2189.6	2094.9	2037.7	2014.8	2010.6
37.5°	2151.1	2163.6	2173.0	2276.0	2373.8	2393.6	2313.4	2237.5	2167.7	2149.0	2138.6
40°	2311.4	2303.0	2306.2	2382.1	2470.6	2483.1	2404.0	2349.9	2292.6	2281.2	2281.2
42.5°	2443.5	2434.2	2444.6	2472.7	2540.3	2530.9	2487.2	2447.7	2423.8	2411.3	2423.8
45°	2523.7	2521.6	2540.3	2561.1	2609.0	2577.8	2543.4	2549.7	2526.8	2506.0	2504.9
47.5°	2611.1	2597.6	2620.4	2651.7	2615.2	2600.7	2598.6	2612.1	2604.8	2568.4	2557.0
50°	2653.8	2648.5	2685.0	2721.4	2701.6	2668.3	2675.6	2697.5	2603.8	2554.9	2526.8
52.5°	2768.2	2769.3	2839.0	2858.8	2850.4	2801.5	2817.1	2757.8	2647.5	2578.8	2581.9
55°	2948.3	2941.0	3019.0	3077.3	3086.7	3024.2	2949.3	2866.1	2727.6	2657.9	2637.1
57°	2849.4	2866.1	2952.4	3125.2	3212.6	3138.7	2975.3	2823.4	2639.2	2554.9	2517.4
57.5°	2717.2	2744.3	2894.1	3067.9	3159.5	3153.3	2943.1	2744.3	2579.9	2448.7	2451.9
60°	1990.8	1996.0	2131.3	2407.1	2693.3	2699.5	2443.5	2180.2	1997.1	1854.5	1874.3
62.5°	1050.1	1074.0	1128.1	1349.8	1597.5	1657.8	1502.8	1367.5	1209.3	1101.0	1111.5
65°	555.7	552.6	578.6	641.1	762.8	794.0	773.2	666.0	610.9	593.2	594.2
67.5°	451.7	456.9	453.7	456.9	465.2	478.7	475.6	479.8	482.9	488.1	487.0
70°	383.0	383.0	385.1	386.1	386.1	392.3	399.6	413.2	414.2	419.4	421.5
72.5°	301.8	299.7	302.8	310.1	311.2	316.4	326.8	335.1	338.2	338.2	332.0
75°	205.0	207.1	211.3	217.5	223.7	233.1	241.4	246.6	248.7	245.6	242.5
77.5°	115.5	117.6	120.7	130.1	137.4	145.7	155.1	160.3	165.5	166.5	160.3
80°	68.7	68.7	73.9	81.2	89.5	97.8	106.2	112.4	114.5	114.5	111.4
82.5°	41.6	42.7	46.8	54.1	61.4	66.6	73.9	79.1	83.3	82.2	80.1
85°	21.9	21.9	26.0	32.3	37.5	42.7	42.7	39.5	37.5	32.3	30.2
87.5°	7.3	6.2	8.3	8.3	7.3	8.3	8.3	9.4	9.4	9.4	9.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)