

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: P648257

Luminaire Tested: **GALN-SA2B-835-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P648257  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA2B-835-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7851.1 lumens  
Efficiency: N/A  
Efficacy: 95.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

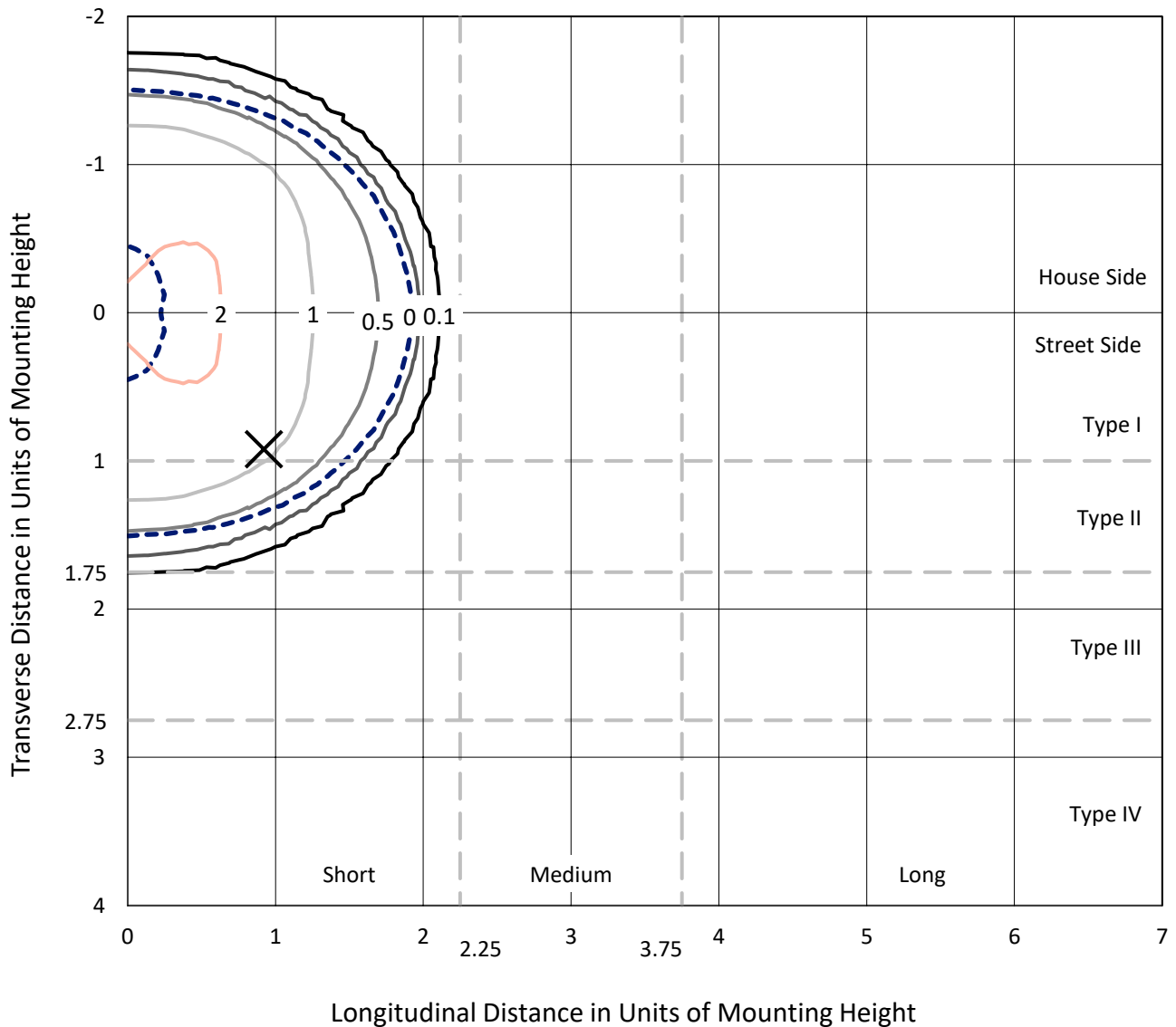
Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

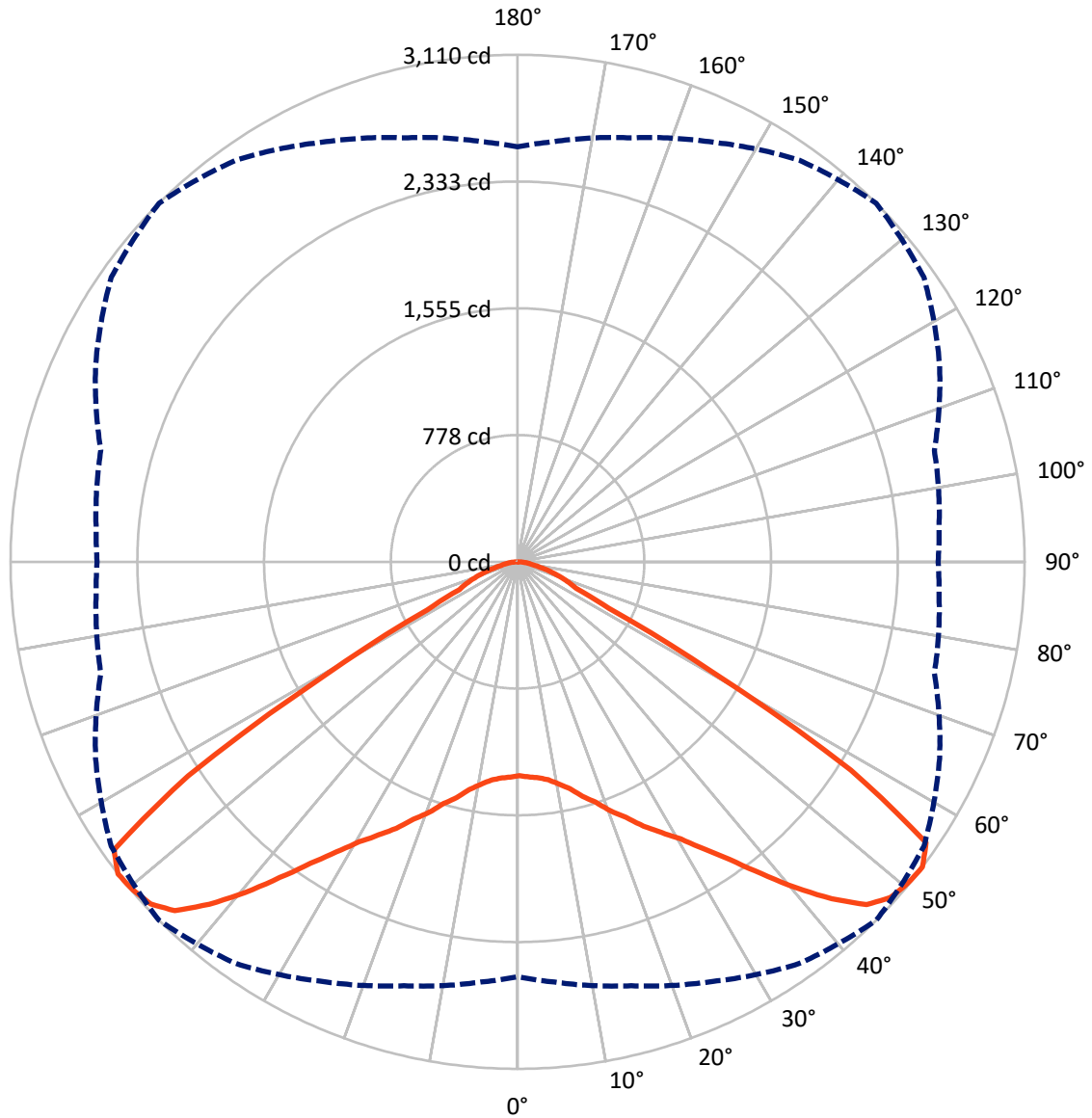
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 52.5-Deg Vertical

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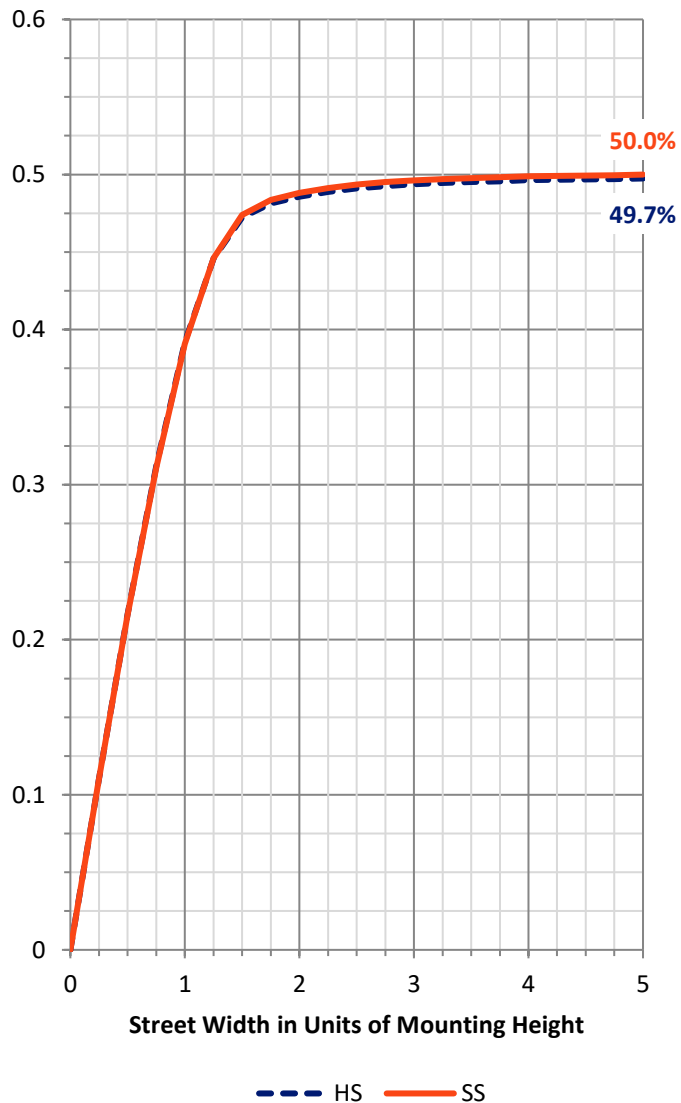
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3925.6	0.0	3925.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3925.6	0.0	3925.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7851.1	0.0	7851.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.9	1.6
10°-20°	423.7	5.4
20°-30°	806.7	10.3
30°-40°	1385.1	17.6
40°-50°	2128.9	27.1
50°-60°	2161.9	27.5
60°-70°	602.5	7.7
70°-80°	177.7	2.3
80°-90°	35.8	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°	7851.1	100.0
0°-180°	7851.1	100.0

**Coefficient of Utilization**



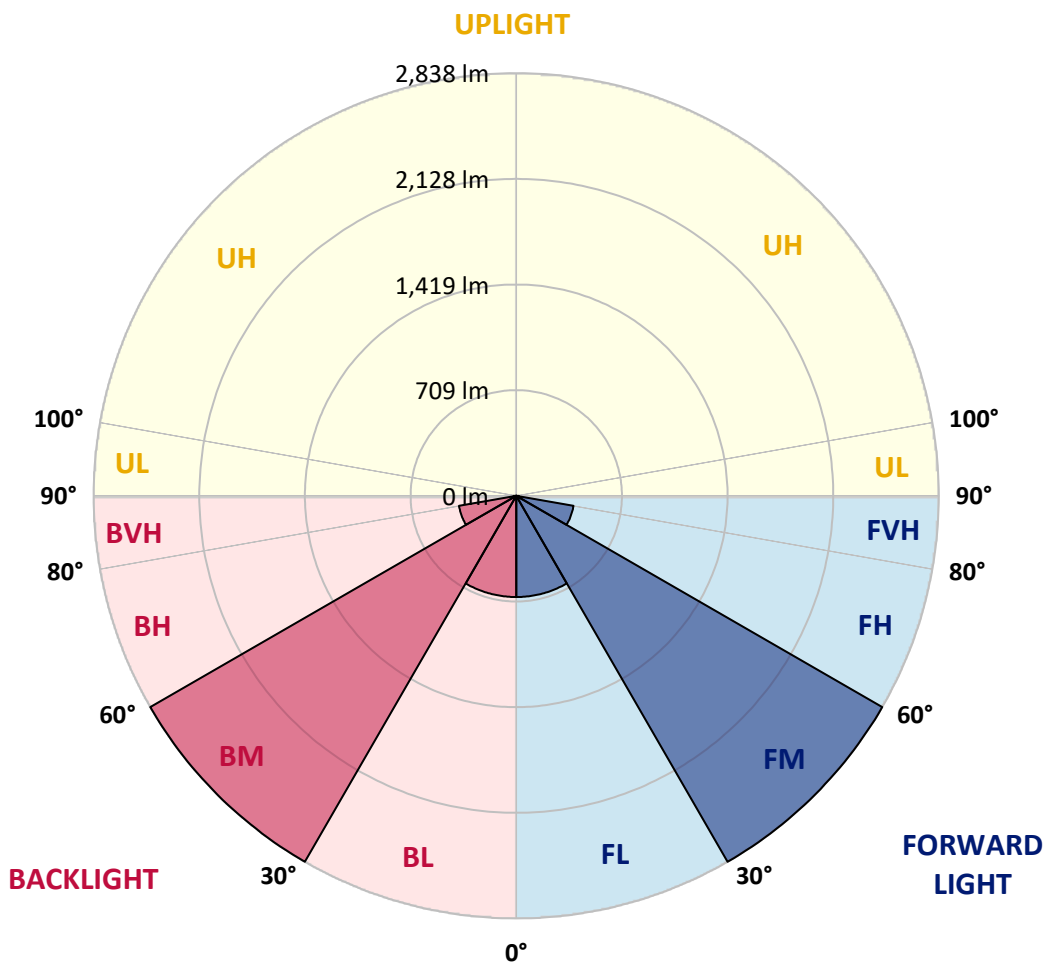
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	679.6	8.7			
FM (30°-60°)	2837.9	36.1			
FH (60°-80°)	390.1	5.0			G0/660
FVH (80°-90°)	17.9	0.2			G1/100
BL (0°-30°)	679.6	8.7	B2/1000		
BM (30°-60°)	2837.9	36.1	B3/5000		
BH (60°-80°)	390.1	5.0	B1/500		G0/660
BVH (80°-90°)	17.9	0.2			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°	1312.4	1312.4	1312.4	1312.4	1312.4	1312.4	1312.4	1312.4	1312.4	1312.4	1312.4
2.5°	1315.4	1301.7	1306.6	1309.5	1322.2	1321.2	1318.3	1322.2	1326.1	1327.0	1325.1
5°	1314.3	1304.6	1308.5	1311.4	1324.1	1330.9	1329.0	1345.6	1357.3	1354.4	1368.9
7.5°	1306.6	1312.4	1307.5	1322.2	1332.9	1349.4	1367.0	1382.5	1397.2	1413.8	1416.7
10°	1324.1	1324.1	1332.9	1344.6	1372.8	1385.5	1410.8	1433.2	1461.5	1481.0	1473.2
12.5°	1342.6	1345.6	1345.6	1375.7	1399.1	1427.4	1450.7	1481.0	1520.9	1544.3	1556.0
15°	1361.2	1363.1	1372.8	1413.8	1448.9	1493.7	1515.1	1542.4	1564.7	1608.6	1609.6
17.5°	1377.7	1388.4	1417.6	1463.4	1507.3	1550.2	1584.2	1612.5	1632.0	1649.5	1645.6
20°	1440.1	1447.8	1478.1	1523.9	1589.1	1631.0	1642.7	1647.6	1660.3	1695.4	1684.6
22.5°	1500.5	1503.4	1531.6	1601.8	1647.6	1703.1	1715.8	1712.9	1717.7	1726.5	1742.1
25°	1562.8	1567.7	1606.6	1666.1	1730.4	1796.7	1807.4	1785.0	1778.1	1787.9	1788.8
27.5°	1642.7	1643.7	1693.4	1745.0	1818.1	1880.5	1897.1	1879.5	1847.3	1855.2	1867.8
30°	1744.1	1737.2	1786.9	1861.0	1937.9	1973.0	2001.3	1992.5	1957.4	1950.6	1939.9
32.5°	1861.0	1862.9	1907.7	1988.6	2039.2	2097.7	2128.0	2113.3	2090.9	2079.3	2086.1
35°	2025.6	2034.4	2064.6	2131.8	2213.7	2242.9	2290.7	2259.5	2201.0	2215.7	2228.3
37.5°	2161.1	2186.4	2242.9	2322.8	2371.6	2425.1	2442.6	2400.8	2357.8	2340.3	2382.2
40°	2368.6	2360.8	2423.2	2503.0	2575.1	2628.8	2606.3	2564.4	2458.2	2459.2	2470.9
42.5°	2546.9	2550.8	2598.5	2694.0	2792.4	2825.5	2754.4	2652.1	2534.3	2521.6	2546.9
45°	2697.0	2712.5	2739.8	2867.4	2963.9	3000.0	2868.4	2747.6	2589.8	2537.2	2579.0
47.5°	2750.5	2775.9	2835.3	2952.2	3047.7	3077.0	2971.7	2798.3	2641.4	2555.6	2578.1
50°	2758.4	2749.6	2847.0	2954.2	3038.0	3101.3	3008.8	2835.3	2628.8	2583.9	2577.1
52.5°	2545.0	2587.8	2692.1	2839.2	3008.8	3110.1	3041.9	2855.8	2646.3	2595.6	2579.0
55°	2059.8	2009.1	2199.1	2446.6	2758.4	3039.9	3030.1	2866.5	2657.0	2615.1	2592.7
57.5°	1149.7	1164.3	1271.5	1540.4	1942.8	2410.5	2694.0	2753.4	2652.1	2627.7	2639.5
60°	532.0	536.8	582.6	708.3	957.8	1367.0	1740.1	2119.2	2293.6	2328.6	2328.6
62.5°	396.6	394.6	406.3	428.7	481.3	628.4	838.9	1140.0	1379.6	1547.2	1591.1
65°	358.5	357.6	363.4	371.2	375.1	395.6	442.3	534.9	612.9	657.6	649.9
67.5°	313.7	312.7	314.7	319.5	326.4	337.1	348.8	368.3	395.6	393.6	388.8
70°	253.3	253.3	256.3	260.1	267.9	280.6	294.3	307.9	331.3	336.1	335.2
72.5°	187.1	184.2	190.0	197.8	205.6	221.2	235.8	248.4	265.0	269.9	267.9
75°	118.9	120.8	124.7	133.5	147.1	157.9	173.4	184.2	194.9	198.7	199.7
77.5°	66.2	68.2	75.0	85.7	99.4	111.1	124.7	133.5	140.3	141.3	142.3
80°	39.9	41.0	47.8	57.5	69.1	81.8	92.6	101.3	107.2	104.2	103.3
82.5°	24.4	25.4	31.2	39.9	49.7	59.4	71.1	78.9	84.8	80.9	77.0
85°	12.7	13.6	18.5	24.4	32.2	37.0	37.0	33.1	32.2	30.2	29.2
87.5°	3.9	3.9	4.9	5.9	4.9	5.9	6.8	7.8	7.8	8.8	7.8
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)