

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: P527366

Luminaire Tested: **GALN-SA2B-827-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527366  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA2B-827-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7577 lumens  
Efficiency: N/A  
Efficacy: 92.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

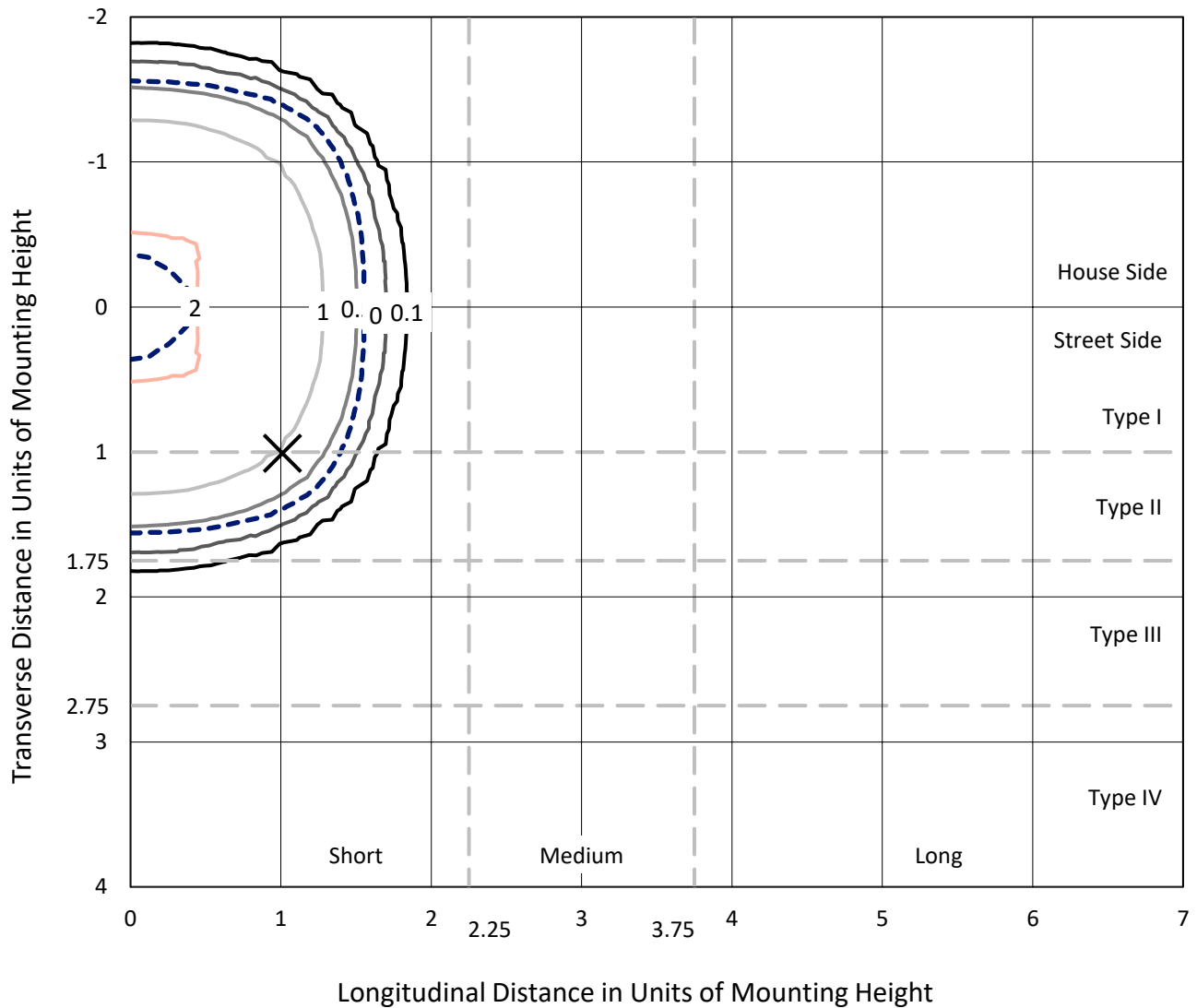
Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

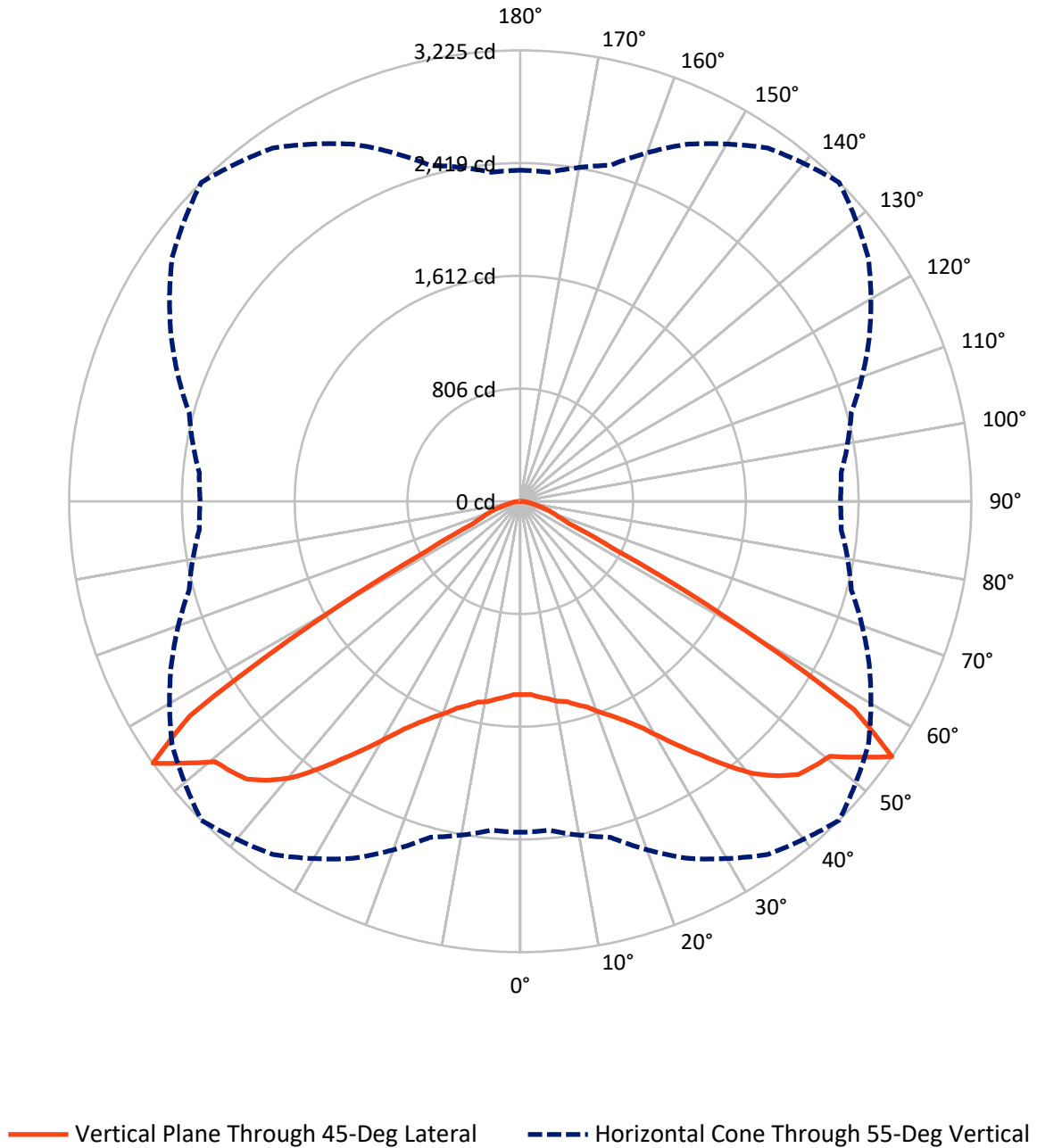
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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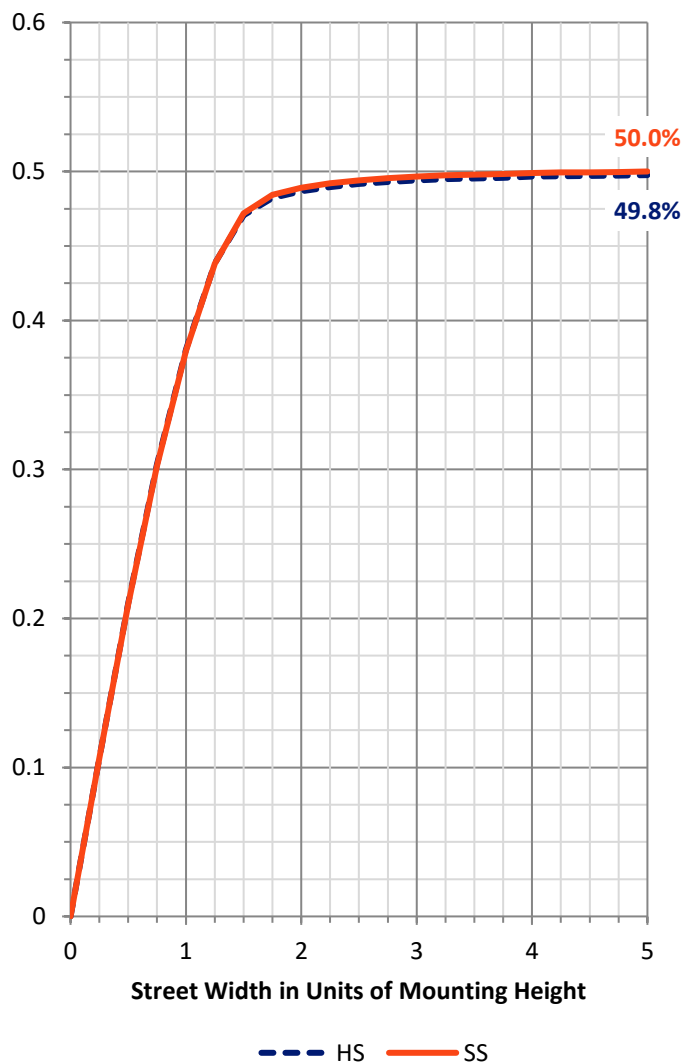
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3788.5	0.0	3788.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3788.5	0.0	3788.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7577.0	0.0	7577.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.1	1.8
10°-20°	428.2	5.7
20°-30°	798.5	10.5
30°-40°	1337.0	17.6
40°-50°	2080.4	27.5
50°-60°	2160.1	28.5
60°-70°	458.1	6.0
70°-80°	150.9	2.0
80°-90°	28.7	0.4
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°	7577.0	100.0
0°-180°	7577.0	100.0

**Coefficient of Utilization**

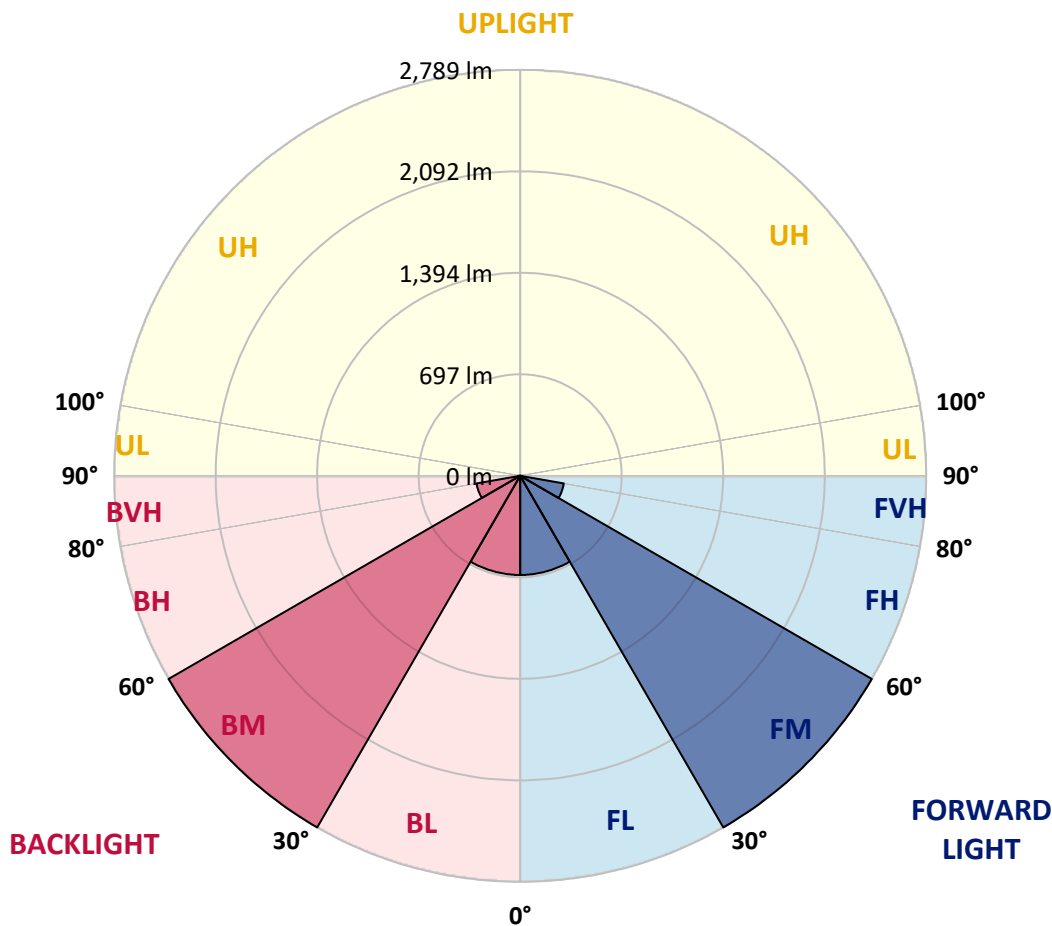


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	680.9	9.0			
FM (30°-60°)	2788.7	36.8			
FH (60°-80°)	304.5	4.0			G0/660
FVH (80°-90°)	14.4	0.2			G1/100
BL (0°-30°)	680.9	9.0	B2/1000		
BM (30°-60°)	2788.7	36.8	B3/5000		
BH (60°-80°)	304.5	4.0	B1/500		G0/660
BVH (80°-90°)	14.4	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°	1383.4	1383.4	1383.4	1383.4	1383.4	1383.4	1383.4	1383.4	1383.4	1383.4	1383.4
2.5°	1399.9	1393.5	1382.5	1390.8	1397.2	1383.4	1388.9	1391.7	1389.9	1382.5	1385.3
5°	1420.1	1416.4	1407.3	1413.7	1405.4	1405.4	1399.9	1392.6	1403.6	1401.8	1406.3
7.5°	1420.1	1415.5	1433.8	1421.9	1425.6	1425.6	1416.4	1409.1	1414.6	1406.3	1401.8
10°	1448.5	1454.9	1446.6	1449.4	1447.5	1453.9	1440.2	1435.6	1431.1	1428.3	1422.8
12.5°	1482.3	1477.8	1480.5	1478.7	1485.1	1468.6	1460.4	1450.3	1458.5	1446.6	1454.9
15°	1509.8	1507.1	1509.8	1517.1	1510.7	1509.8	1495.1	1485.1	1472.3	1475.0	1462.2
17.5°	1547.3	1544.6	1545.5	1551.9	1551.0	1546.4	1535.4	1516.2	1511.6	1504.3	1496.1
20°	1603.2	1598.6	1596.8	1599.5	1604.1	1607.8	1585.8	1578.5	1562.9	1551.0	1537.3
22.5°	1650.8	1649.0	1656.3	1644.4	1654.5	1665.4	1644.4	1640.7	1602.3	1595.9	1581.2
25°	1716.7	1714.0	1709.4	1726.8	1738.7	1737.8	1717.6	1697.5	1668.2	1660.9	1660.9
27.5°	1786.3	1770.7	1794.5	1799.1	1820.2	1826.6	1809.2	1779.9	1752.4	1736.9	1740.5
30°	1873.3	1858.6	1864.1	1897.1	1924.6	1948.4	1904.4	1861.4	1822.9	1795.5	1790.9
32.5°	1960.3	1945.6	1962.1	1994.1	2049.1	2084.8	2041.8	1966.7	1921.8	1881.5	1889.8
35°	2030.8	2041.8	2068.3	2116.8	2173.6	2231.3	2162.6	2104.9	2040.8	1996.0	2002.4
37.5°	2144.3	2178.2	2199.2	2255.1	2335.7	2395.2	2323.8	2248.7	2180.0	2121.4	2101.3
40°	2292.6	2315.5	2339.3	2405.2	2500.5	2560.0	2492.2	2394.3	2326.5	2266.1	2263.3
42.5°	2455.6	2477.6	2502.3	2582.9	2639.6	2684.5	2622.2	2570.0	2495.0	2447.4	2444.6
45°	2645.1	2629.6	2657.0	2710.1	2757.7	2787.0	2746.8	2721.1	2667.1	2623.1	2618.6
47.5°	2771.5	2757.7	2807.2	2854.8	2862.1	2830.1	2838.3	2862.1	2805.3	2733.0	2755.9
50°	2844.7	2844.7	2877.7	2921.6	2907.9	2866.7	2931.7	2933.5	2876.8	2812.7	2812.7
52.5°	2717.5	2745.8	2839.2	2983.0	3028.8	3040.7	3026.0	2963.7	2815.4	2684.5	2678.1
55°	2367.7	2361.3	2487.6	2817.3	3083.7	3224.7	3037.9	2751.3	2450.1	2302.7	2288.0
57.5°	1540.0	1547.3	1735.9	2072.0	2552.6	2815.4	2500.5	2097.6	1735.9	1532.7	1551.9
60°	693.1	717.8	832.3	1083.1	1496.1	1710.3	1499.7	1138.1	873.5	758.1	768.2
62.5°	398.3	402.9	407.4	483.4	637.2	753.5	662.0	510.9	450.5	430.3	430.3
65°	336.0	333.3	334.2	340.6	357.1	380.9	370.8	357.1	358.9	357.1	354.3
67.5°	285.7	289.3	286.6	291.2	292.1	295.7	302.1	307.6	308.6	310.4	308.6
70°	234.4	235.3	237.1	240.8	241.7	244.5	253.6	258.2	260.9	260.9	264.6
72.5°	179.5	178.5	180.4	184.0	188.6	189.5	197.8	204.2	207.8	203.3	204.2
75°	118.1	119.0	121.8	124.5	130.9	137.3	140.1	146.5	147.4	149.2	144.7
77.5°	70.5	72.3	75.1	80.6	86.1	91.6	98.0	102.5	104.4	102.5	97.1
80°	45.8	45.8	49.4	54.0	60.4	65.0	68.7	72.3	75.1	72.3	70.5
82.5°	28.4	28.4	33.0	38.5	43.0	45.8	51.3	55.9	58.6	56.8	54.0
85°	14.6	15.6	19.2	23.8	27.5	29.3	28.4	25.6	22.9	22.0	20.1
87.5°	4.6	4.6	5.5	5.5	4.6	4.6	5.5	4.6	5.5	5.5	5.5
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)