

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: P527372

Luminaire Tested: **GALN-SA2B-827-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527372
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-827-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 2700K, 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: 7371 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

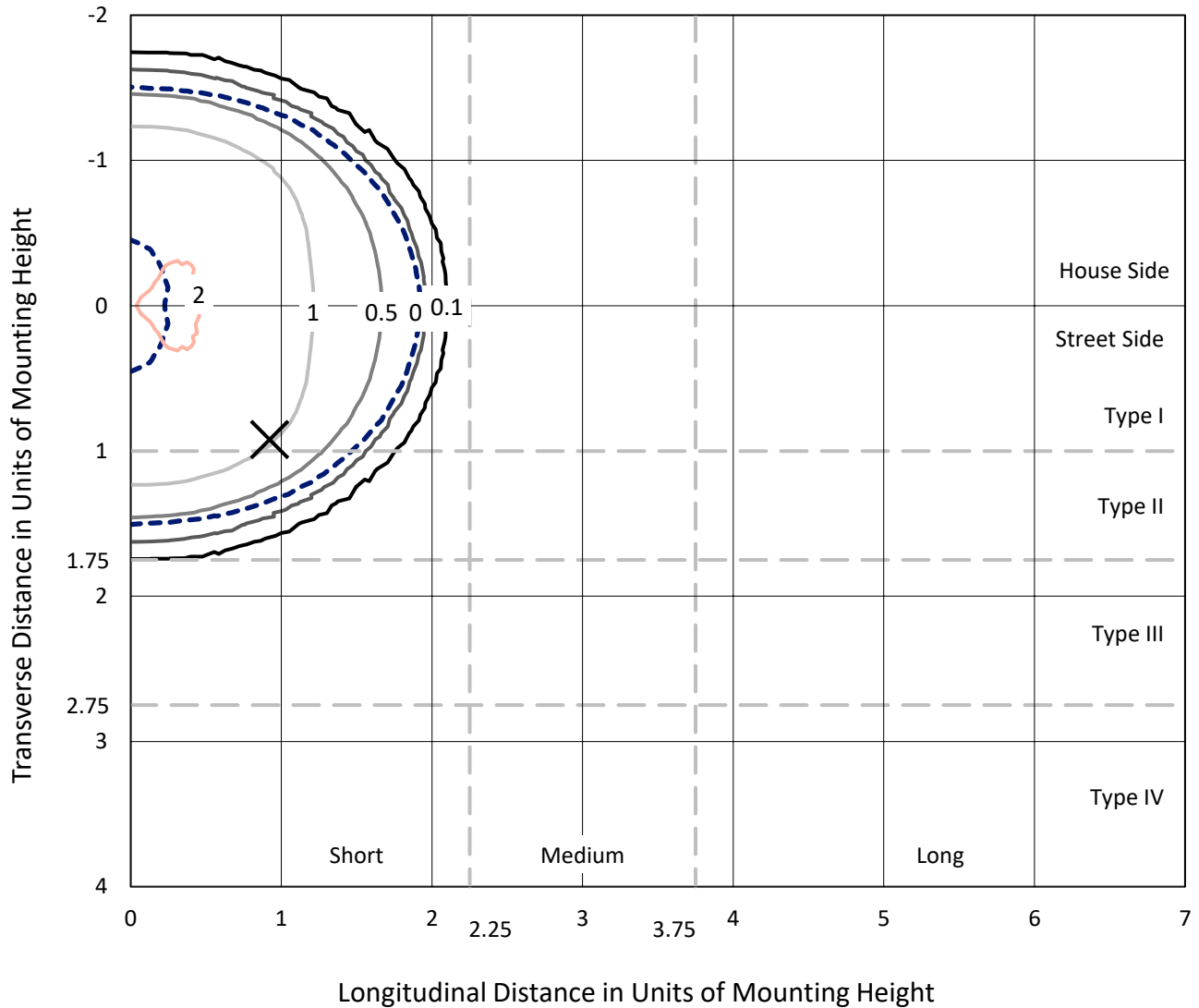
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

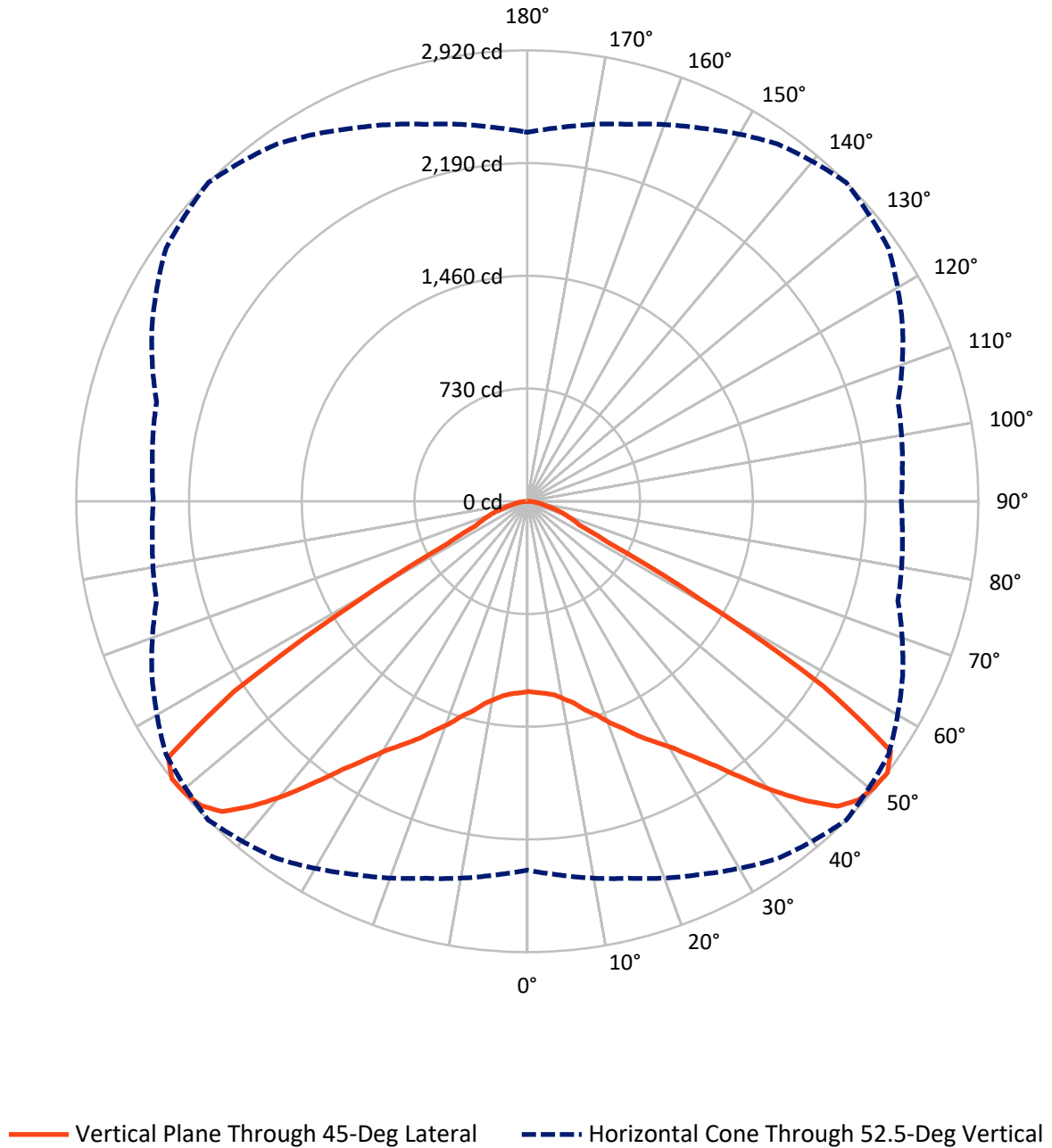
× Max cd
 - - - 1/2 Max cd



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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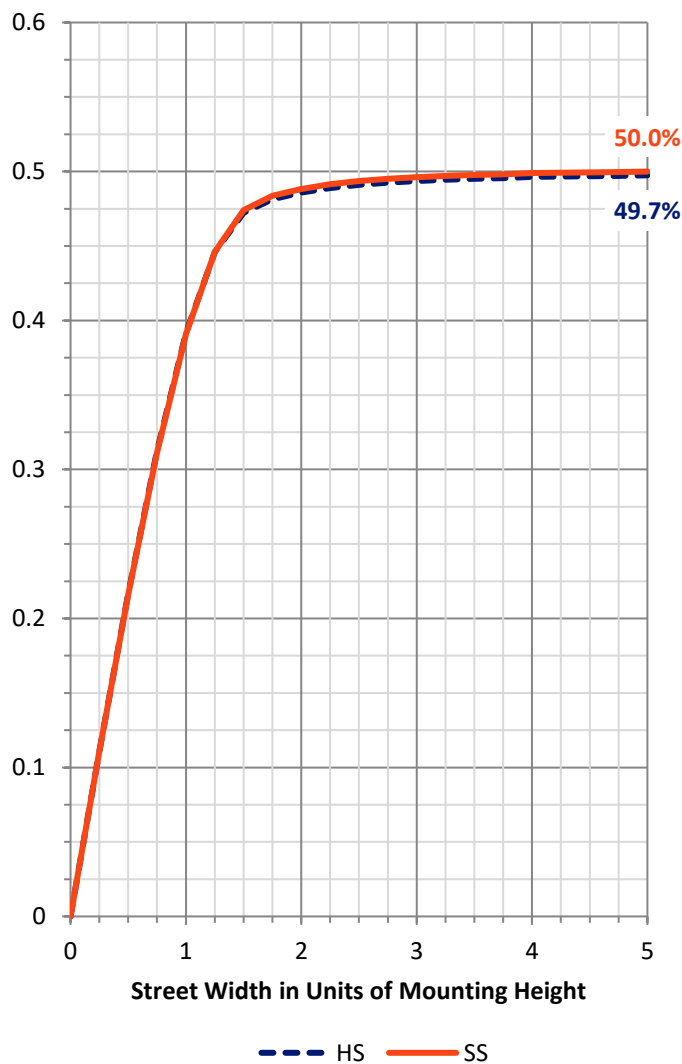
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3685.5	0.0	3685.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3685.5	0.0	3685.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7371.0	0.0	7371.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.1	1.6
10°-20°	397.8	5.4
20°-30°	757.3	10.3
30°-40°	1300.4	17.6
40°-50°	1998.7	27.1
50°-60°	2029.7	27.5
60°-70°	565.6	7.7
70°-80°	166.9	2.3
80°-90°	33.6	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°	7371.0	100.0
0°-180°	7371.0	100.0

Coefficient of Utilization



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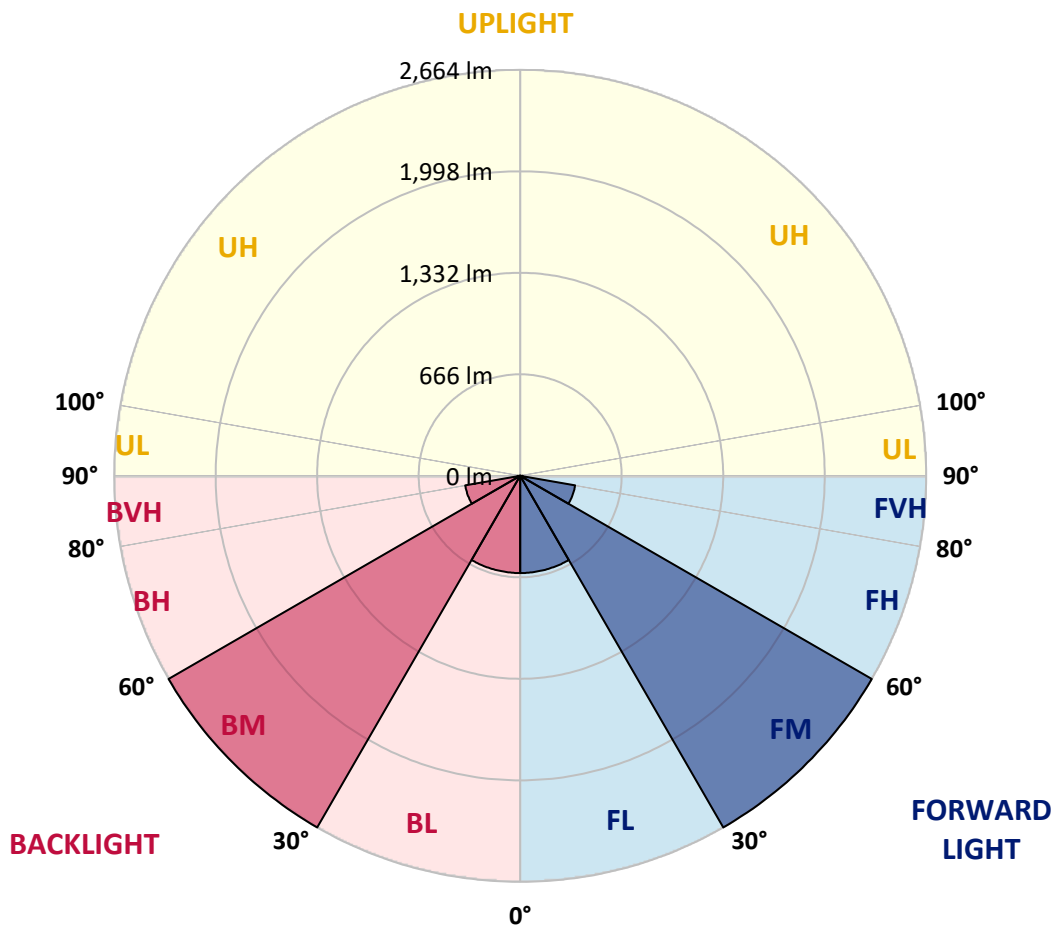
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	638.1	8.7			
FM (30°-60°)	2664.4	36.1			
FH (60°-80°)	366.2	5.0			G0/660
FVH (80°-90°)	16.8	0.2			G1/100
BL (0°-30°)	638.1	8.7	B2/1000		
BM (30°-60°)	2664.4	36.1	B3/5000		
BH (60°-80°)	366.2	5.0	B1/500		G0/660
BVH (80°-90°)	16.8	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°	1232.2	1232.2	1232.2	1232.2	1232.2	1232.2	1232.2	1232.2	1232.2	1232.2	1232.2
2.5°	1234.9	1222.1	1226.7	1229.4	1241.3	1240.4	1237.6	1241.3	1245.0	1245.9	1244.1
5°	1234.0	1224.8	1228.5	1231.2	1243.1	1249.5	1247.7	1263.3	1274.2	1271.5	1285.2
7.5°	1226.7	1232.2	1227.6	1241.3	1251.4	1266.9	1283.4	1298.0	1311.7	1327.3	1330.0
10°	1243.1	1243.1	1251.4	1262.3	1288.9	1300.8	1324.5	1345.6	1372.1	1390.4	1383.1
12.5°	1260.5	1263.3	1263.3	1291.6	1313.6	1340.1	1362.1	1390.4	1427.9	1449.9	1460.8
15°	1277.9	1279.7	1288.9	1327.3	1360.2	1402.3	1422.4	1448.0	1469.1	1510.2	1511.2
17.5°	1293.4	1303.5	1331.0	1373.9	1415.1	1455.4	1487.4	1513.9	1532.2	1548.7	1545.0
20°	1352.0	1359.3	1387.7	1430.7	1491.9	1531.3	1542.3	1546.8	1558.7	1591.7	1581.6
22.5°	1408.7	1411.4	1438.0	1503.8	1546.8	1599.0	1610.9	1608.1	1612.7	1620.9	1635.6
25°	1467.2	1471.8	1508.4	1564.2	1624.6	1686.8	1696.8	1675.8	1669.4	1678.6	1679.5
27.5°	1542.3	1543.2	1589.8	1638.3	1706.9	1765.5	1781.0	1764.5	1734.4	1741.7	1753.6
30°	1637.4	1631.0	1677.6	1747.2	1819.4	1852.4	1878.9	1870.7	1837.7	1831.3	1821.3
32.5°	1747.2	1749.0	1791.1	1867.0	1914.6	1969.4	1997.8	1984.1	1963.0	1952.1	1958.5
35°	1901.8	1910.0	1938.3	2001.5	2078.3	2105.7	2150.6	2121.3	2066.4	2080.1	2092.0
37.5°	2028.9	2052.7	2105.7	2180.7	2226.5	2276.8	2293.3	2253.9	2213.7	2197.2	2236.5
40°	2223.7	2216.4	2275.0	2350.0	2417.7	2468.0	2446.9	2407.6	2307.9	2308.8	2319.8
42.5°	2391.1	2394.8	2439.6	2529.3	2621.7	2652.8	2586.0	2489.9	2379.2	2367.4	2391.1
45°	2532.0	2546.6	2572.3	2692.1	2782.7	2816.5	2693.0	2579.6	2431.4	2382.0	2421.3
47.5°	2582.3	2606.1	2661.9	2771.7	2861.3	2888.8	2790.0	2627.1	2479.9	2399.4	2420.4
50°	2589.6	2581.4	2672.9	2773.5	2852.2	2911.6	2824.7	2661.9	2468.0	2425.9	2419.5
52.5°	2389.3	2429.6	2527.4	2665.6	2824.7	2919.9	2855.8	2681.1	2484.4	2436.9	2421.3
55°	1933.8	1886.2	2064.6	2296.9	2589.6	2854.0	2844.9	2691.2	2494.5	2455.2	2434.1
57.5°	1079.4	1093.1	1193.7	1446.2	1824.0	2263.1	2529.3	2585.1	2489.9	2467.1	2478.0
60°	499.5	504.0	547.0	665.0	899.2	1283.4	1633.7	1989.6	2153.3	2186.2	2186.2
62.5°	372.3	370.5	381.4	402.5	451.9	590.0	787.6	1070.3	1295.3	1452.6	1493.8
65°	336.6	335.7	341.2	348.5	352.2	371.4	415.3	502.2	575.4	617.5	610.1
67.5°	294.5	293.6	295.5	300.0	306.4	316.5	327.5	345.8	371.4	369.6	365.0
70°	237.8	237.8	240.6	244.2	251.6	263.4	276.3	289.1	311.0	315.6	314.7
72.5°	175.6	172.9	178.4	185.7	193.0	207.6	221.4	233.3	248.8	253.4	251.6
75°	111.6	113.4	117.1	125.3	138.1	148.2	162.8	172.9	182.9	186.6	187.5
77.5°	62.2	64.0	70.4	80.5	93.3	104.3	117.1	125.3	131.7	132.6	133.6
80°	37.5	38.4	44.8	54.0	64.9	76.8	86.9	95.1	100.6	97.9	97.0
82.5°	22.9	23.8	29.3	37.5	46.7	55.8	66.8	74.1	79.6	75.9	72.3
85°	11.9	12.8	17.4	22.9	30.2	34.8	34.8	31.1	30.2	28.4	27.4
87.5°	3.7	3.7	4.6	5.5	4.6	5.5	6.4	7.3	7.3	8.2	7.3
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)