

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: P527365

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527365
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
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-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5779 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

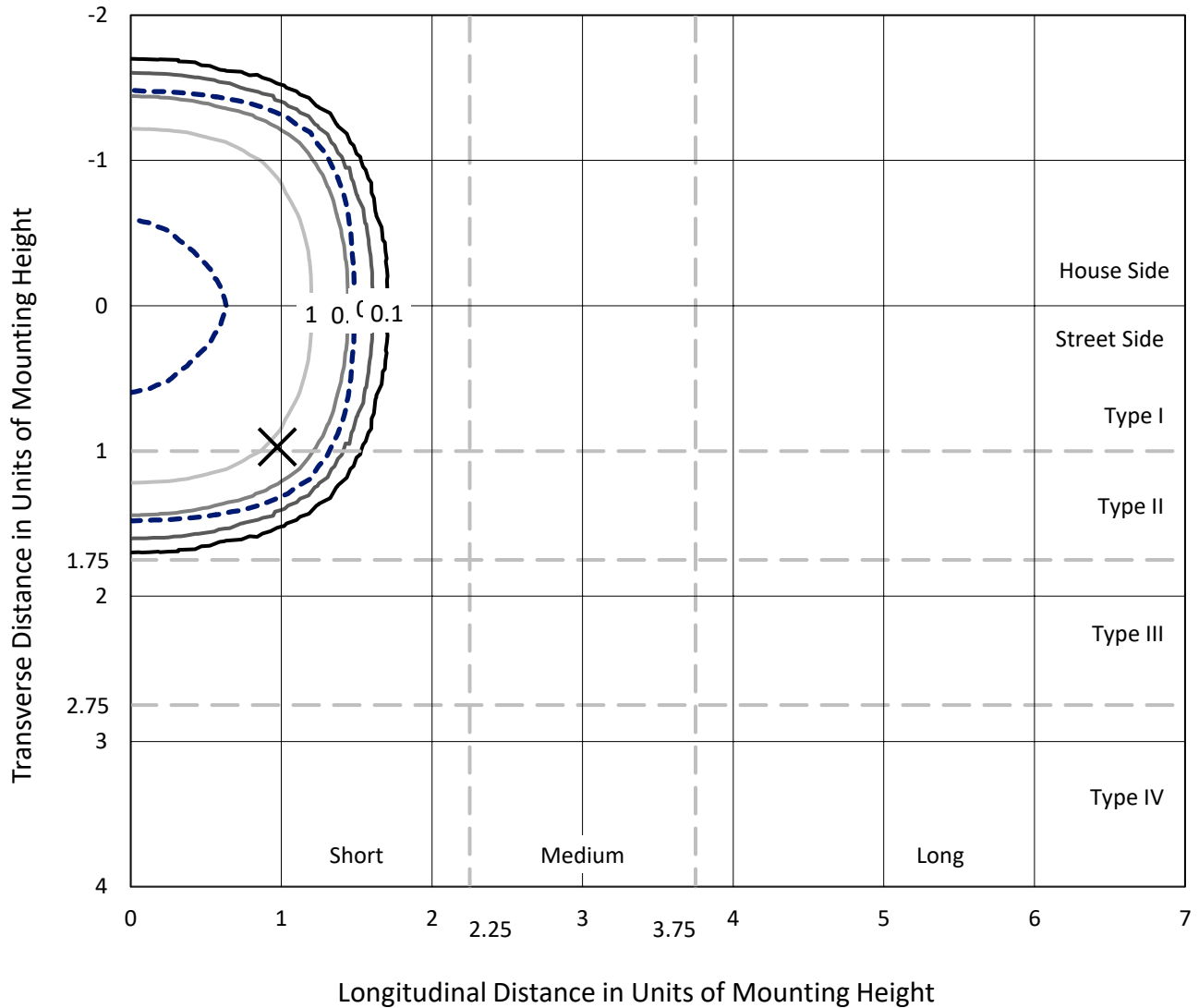
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

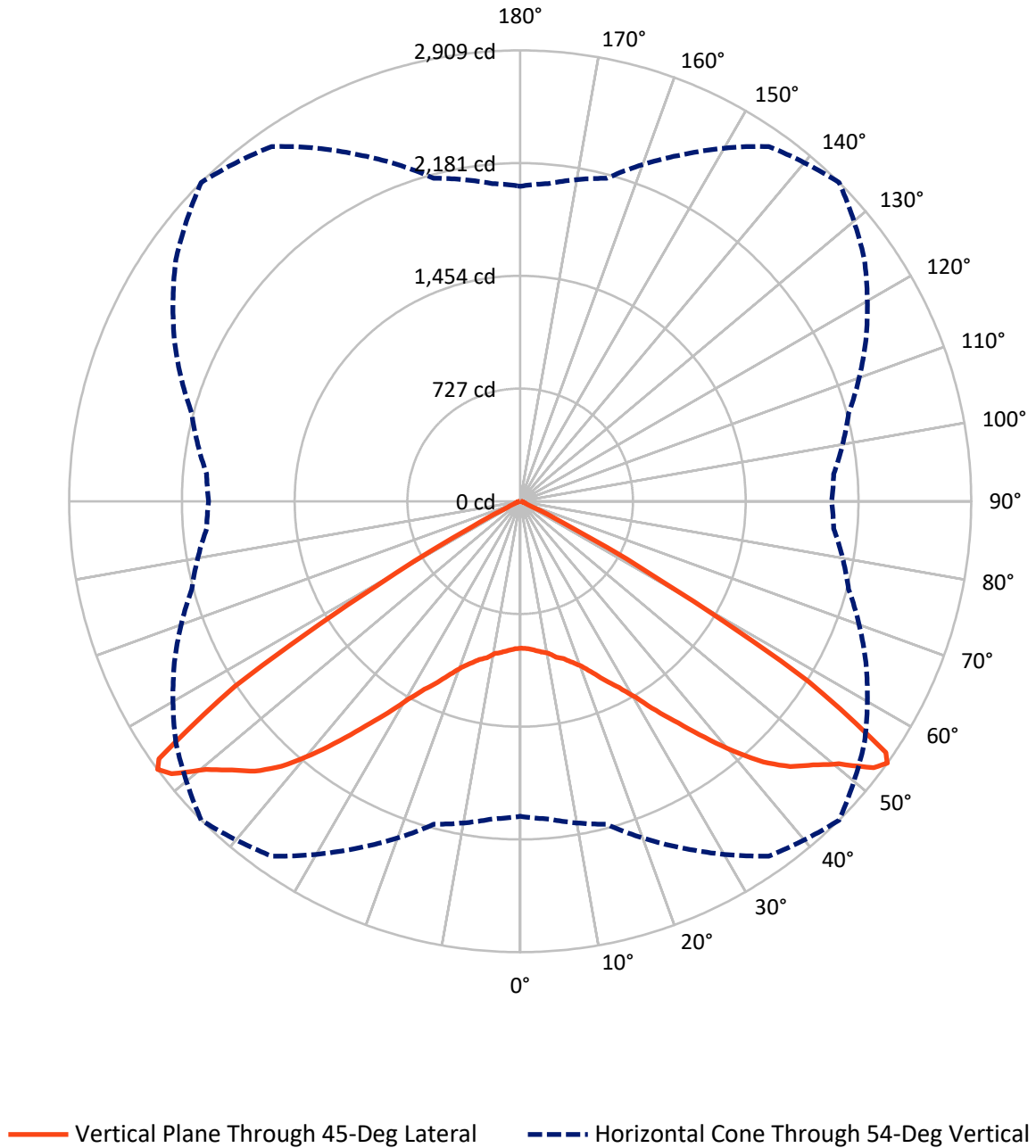
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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	2889.5	0.0	2889.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2889.5	0.0	2889.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5779.0	0.0	5779.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.7	1.6
10°-20°	300.3	5.2
20°-30°	588.7	10.2
30°-40°	1058.5	18.3
40°-50°	1812.0	31.4
50°-60°	1753.3	30.3
60°-70°	150.1	2.6
70°-80°	17.8	0.3
80°-90°	5.6	0.1
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°	5779.0	100.0
0°-180°	5779.0	100.0

Coefficient of Utilization

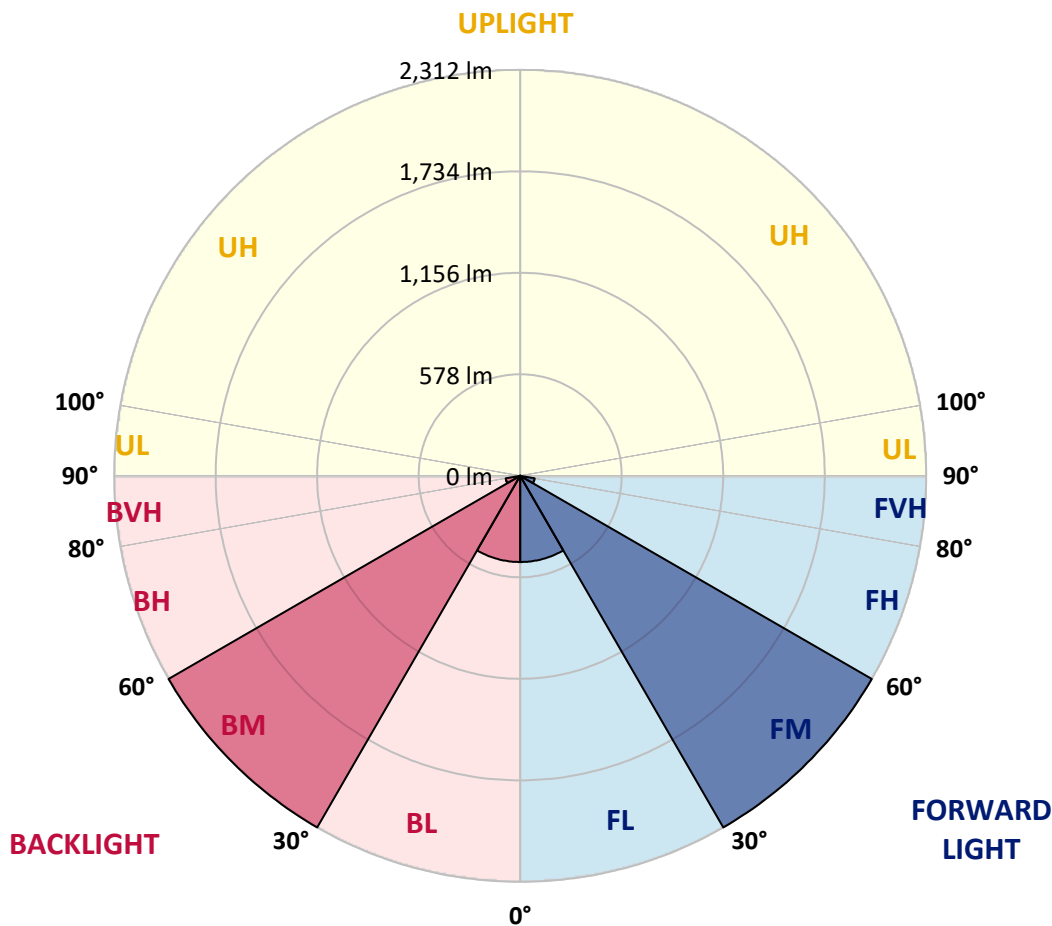


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	490.9	8.5			
FM (30°-60°)	2311.9	40.0			
FH (60°-80°)	83.9	1.5			G0/660
FVH (80°-90°)	2.8	0.0			G0/10
BL (0°-30°)	490.9	8.5	B1/500		
BM (30°-60°)	2311.9	40.0	B2/2500		
BH (60°-80°)	83.9	1.5	B0/110		G0/660
BVH (80°-90°)	2.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	947.6	947.6	947.6	947.6	947.6	947.6	947.6	947.6	947.6	947.6	947.6
2.5°	952.2	957.6	954.0	956.7	956.7	952.2	954.9	943.9	951.2	945.7	946.7
5°	966.8	965.9	965.9	966.8	963.1	965.0	961.3	957.6	954.9	951.2	962.2
7.5°	985.1	985.1	978.7	980.5	978.7	981.5	974.1	966.8	964.1	961.3	959.5
10°	1002.5	1000.7	997.9	1006.2	999.8	996.1	992.4	987.9	977.8	974.1	970.5
12.5°	1028.1	1027.2	1023.6	1031.8	1028.1	1031.8	1018.1	1006.2	1004.3	992.4	998.8
15°	1058.4	1066.6	1060.2	1060.2	1058.4	1053.8	1048.3	1042.8	1026.3	1021.7	1022.6
17.5°	1097.7	1095.0	1095.9	1095.9	1105.0	1093.1	1082.2	1068.4	1060.2	1057.4	1048.3
20°	1135.3	1138.9	1138.0	1144.4	1149.9	1137.1	1125.2	1123.4	1100.5	1104.1	1091.3
22.5°	1201.2	1198.4	1203.0	1207.6	1203.9	1202.1	1191.1	1177.4	1157.2	1148.1	1146.2
25°	1270.8	1266.2	1257.9	1268.9	1274.4	1282.7	1261.6	1254.3	1223.2	1209.4	1210.3
27.5°	1330.3	1336.7	1345.8	1350.4	1364.1	1361.4	1346.7	1322.9	1299.1	1283.6	1273.5
30°	1411.8	1415.4	1431.0	1437.4	1461.2	1467.6	1444.7	1417.2	1375.1	1355.0	1343.1
32.5°	1486.8	1512.5	1511.5	1543.6	1582.0	1608.6	1567.4	1525.3	1483.2	1459.4	1438.3
35°	1608.6	1604.0	1630.6	1664.4	1726.7	1756.9	1712.0	1663.5	1599.4	1561.0	1544.5
37.5°	1722.1	1723.9	1759.7	1813.7	1885.1	1931.8	1892.4	1812.8	1746.8	1697.4	1674.5
40°	1886.9	1890.6	1927.2	1988.5	2069.1	2119.5	2073.7	1993.1	1905.2	1866.8	1866.8
42.5°	2080.1	2095.7	2119.5	2172.6	2244.9	2300.7	2259.5	2196.4	2107.6	2058.1	2065.4
45°	2278.8	2286.1	2301.6	2380.4	2414.3	2441.7	2403.3	2374.0	2314.5	2254.0	2244.0
47.5°	2464.6	2467.4	2513.1	2537.9	2564.4	2541.5	2566.2	2527.8	2461.0	2402.4	2390.5
50°	2547.0	2542.4	2607.4	2682.5	2702.7	2662.4	2641.3	2615.7	2514.1	2443.6	2412.4
52.5°	2307.1	2333.7	2454.5	2663.3	2820.8	2854.6	2731.9	2613.8	2424.3	2287.0	2265.9
54°	2032.5	2057.2	2157.0	2466.4	2794.2	2908.6	2710.9	2460.0	2192.7	2029.7	2008.7
55°	1760.6	1733.1	1914.4	2230.2	2669.7	2861.0	2627.6	2261.4	1955.6	1806.3	1777.0
57.5°	953.1	957.6	1110.5	1409.0	1875.9	2193.6	1937.3	1529.9	1155.4	987.9	973.2
60°	302.1	309.4	376.3	569.5	896.3	1070.3	917.4	614.3	424.8	340.6	326.8
62.5°	94.3	98.0	107.1	159.3	245.4	350.6	274.7	164.8	122.7	112.6	114.4
65°	57.7	57.7	58.6	62.3	73.2	85.1	82.4	72.3	69.6	67.7	66.8
67.5°	37.5	36.6	38.5	41.2	43.0	43.9	46.7	49.4	48.5	46.7	46.7
70°	22.9	22.0	23.8	27.5	28.4	30.2	33.0	36.6	35.7	33.9	34.8
72.5°	12.8	12.8	13.7	16.5	19.2	21.1	23.8	26.6	27.5	26.6	26.6
75°	4.6	5.5	7.3	10.1	11.9	14.6	17.4	20.1	22.9	21.1	20.1
77.5°	1.8	1.8	3.7	6.4	9.2	11.9	16.5	19.2	21.1	19.2	17.4
80°	0.9	0.9	2.7	5.5	8.2	11.0	13.7	16.5	17.4	15.6	13.7
82.5°	0.9	0.9	2.7	5.5	8.2	10.1	14.6	16.5	18.3	16.5	13.7
85°	0.0	0.9	2.7	5.5	7.3	8.2	8.2	5.5	4.6	2.7	2.7
87.5°	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)