

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: P648256

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648256
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
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-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5790.3 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

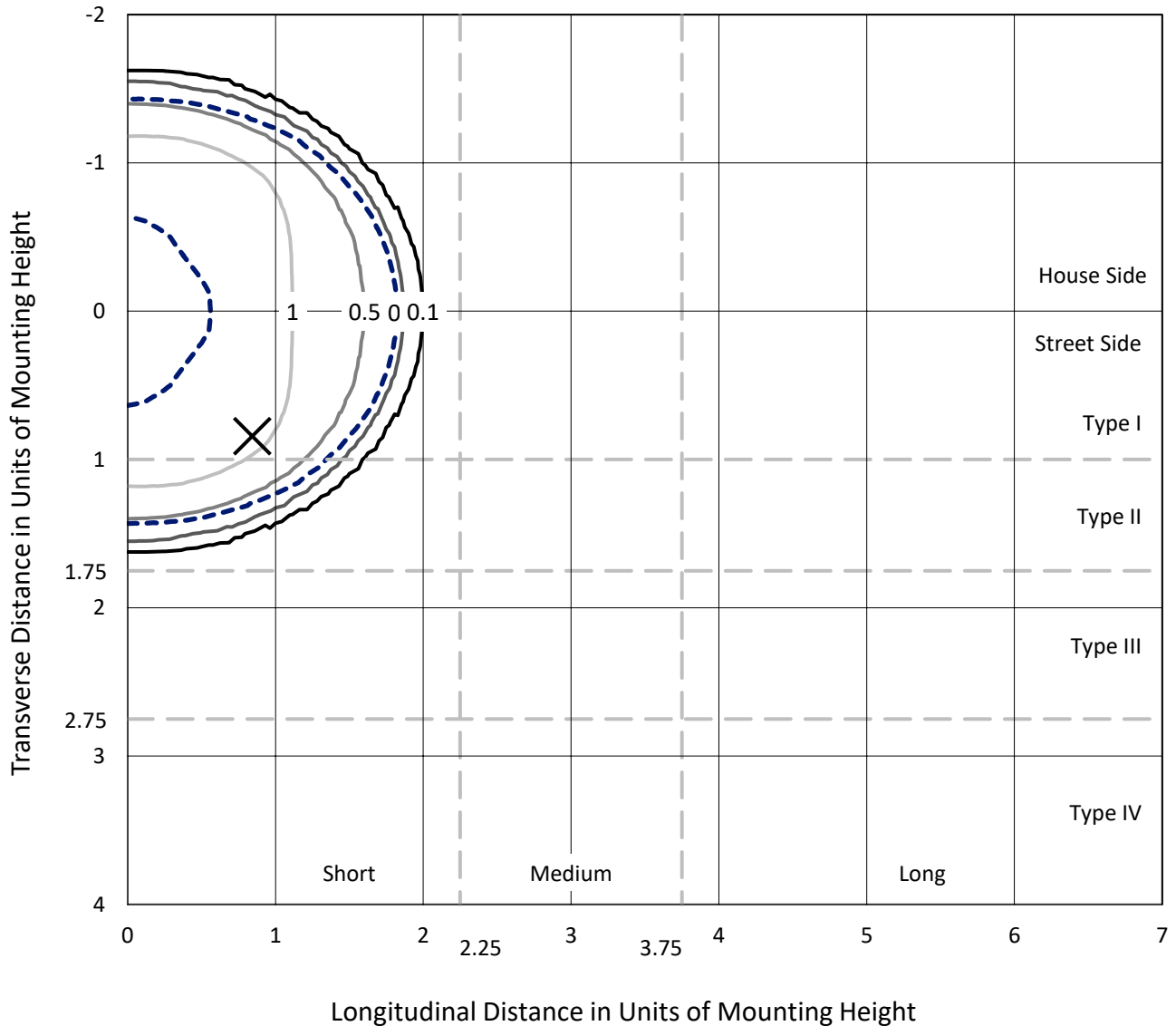
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

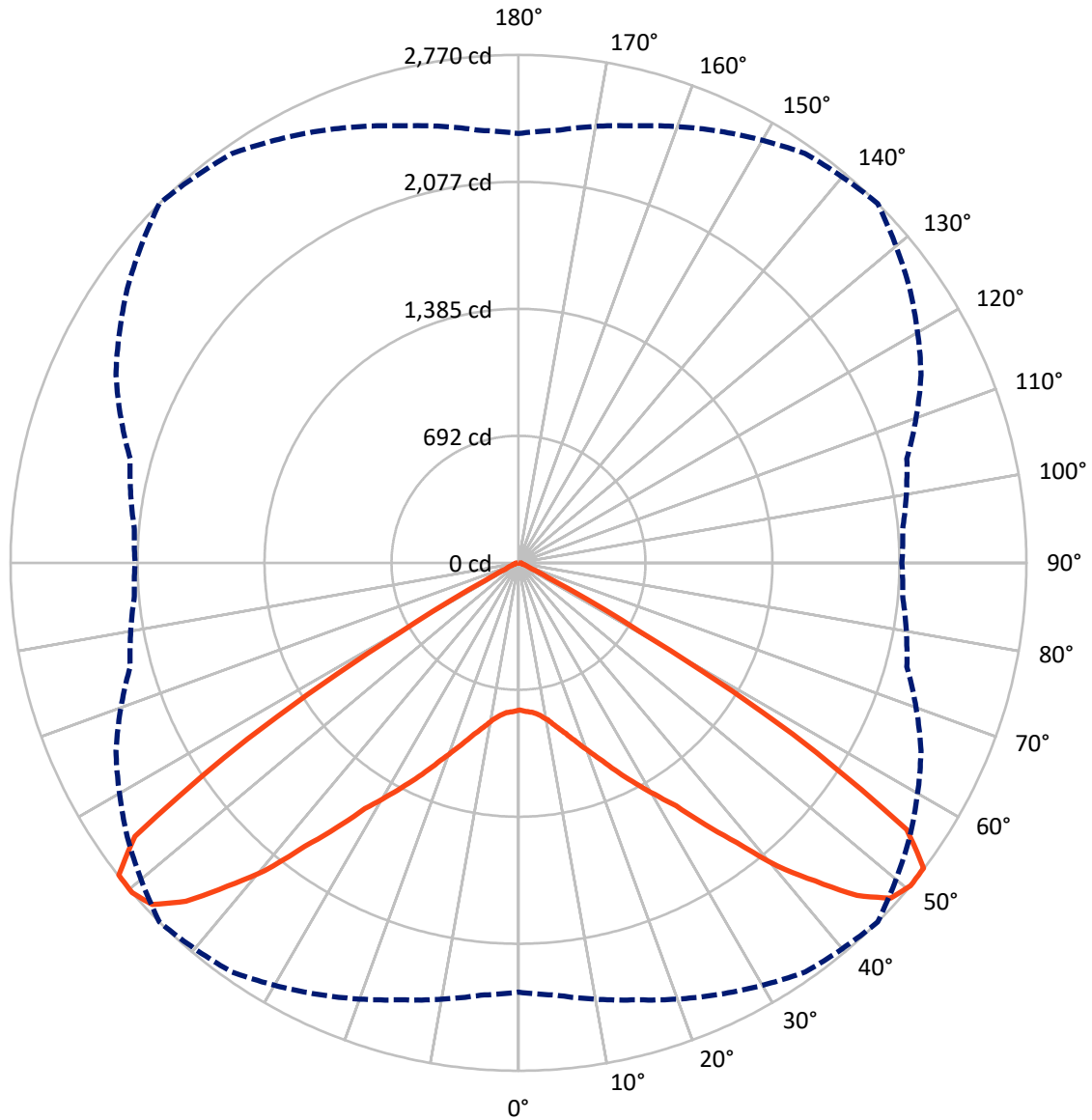
✕ Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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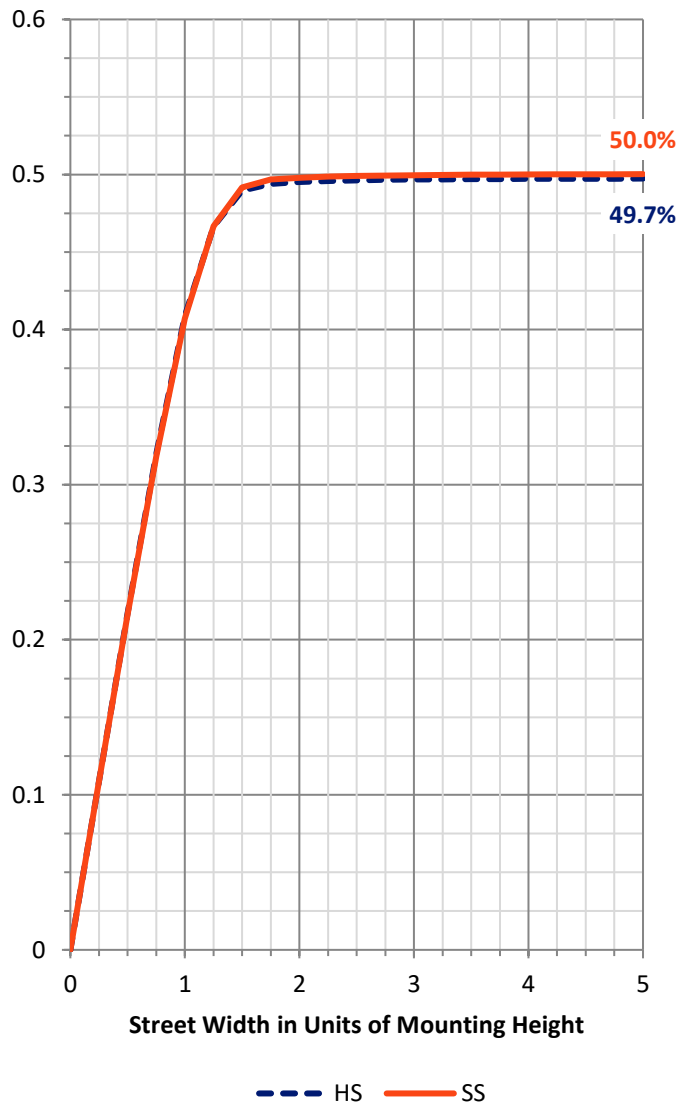
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2895.2	0.0	2895.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2895.2	0.0	2895.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	5790.3	0.0	5790.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.9	1.4
10°-20°	275.3	4.8
20°-30°	562.2	9.7
30°-40°	1072.1	18.5
40°-50°	1806.6	31.2
50°-60°	1722.9	29.8
60°-70°	240.5	4.2
70°-80°	23.0	0.4
80°-90°	7.9	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°	5790.3	100.0
0°-180°	5790.3	100.0

Coefficient of Utilization

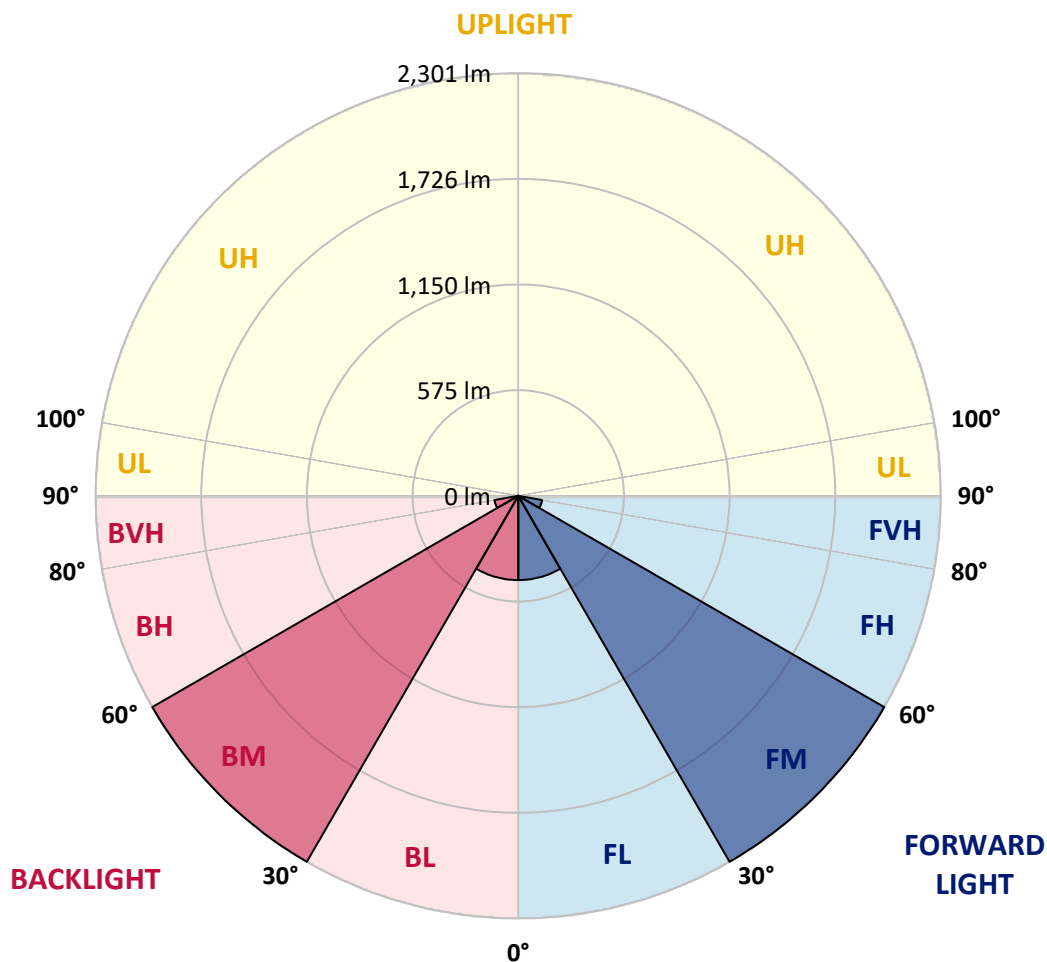


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	458.6	7.9			
FM (30°-60°)	2300.8	39.7			
FH (60°-80°)	131.8	2.3			G0/660
FVH (80°-90°)	4.0	0.1			G0/10
BL (0°-30°)	458.6	7.9	B1/500		
BM (30°-60°)	2300.8	39.7	B2/2500		
BH (60°-80°)	131.8	2.3	B1/500		G0/660
BVH (80°-90°)	4.0	0.1			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°	802.7	802.7	802.7	802.7	802.7	802.7	802.7	802.7	802.7	802.7	802.7
2.5°	799.8	799.8	798.9	806.6	802.7	811.5	810.6	813.5	816.4	815.4	823.2
5°	793.0	792.0	792.0	800.8	809.5	819.3	828.1	834.0	843.7	843.7	853.4
7.5°	799.8	795.0	801.8	805.7	822.2	838.8	853.4	865.1	887.5	895.3	892.4
10°	801.8	807.7	812.5	824.2	844.6	870.0	882.7	911.9	937.2	954.7	958.6
12.5°	814.5	823.2	836.9	865.1	883.6	916.7	934.3	962.5	997.6	1017.1	1030.7
15°	838.8	841.7	859.3	895.3	935.2	965.4	992.8	1013.2	1047.3	1069.7	1070.7
17.5°	870.0	882.7	907.0	941.1	983.0	1027.8	1049.2	1071.6	1084.3	1114.5	1121.3
20°	932.3	934.3	957.7	1002.5	1055.1	1096.0	1111.6	1123.3	1118.4	1149.6	1155.4
22.5°	990.8	992.8	1022.0	1082.3	1138.9	1174.0	1180.8	1174.0	1159.3	1181.7	1183.7
25°	1050.2	1067.8	1089.2	1149.6	1219.8	1266.5	1267.4	1249.0	1218.7	1222.7	1232.4
27.5°	1142.8	1155.4	1177.9	1233.4	1310.4	1363.0	1354.2	1331.7	1292.8	1295.7	1292.8
30°	1250.9	1262.6	1281.1	1352.2	1408.7	1466.2	1478.9	1457.4	1399.0	1386.3	1400.9
32.5°	1381.4	1398.0	1432.1	1497.4	1545.1	1580.2	1588.9	1581.2	1526.6	1521.8	1531.5
35°	1540.2	1562.6	1593.8	1651.3	1690.3	1753.6	1753.6	1727.3	1677.6	1683.4	1682.5
37.5°	1707.8	1740.9	1789.6	1848.1	1900.7	1934.8	1924.1	1901.7	1852.0	1839.3	1852.0
40°	1918.3	1934.8	1996.2	2072.2	2136.5	2175.4	2129.7	2080.9	1962.1	1980.6	2014.7
42.5°	2110.2	2136.5	2183.2	2267.0	2340.1	2372.3	2317.7	2221.2	2078.0	2063.4	2088.7
45°	2273.8	2302.1	2363.5	2483.3	2560.3	2588.5	2467.7	2311.8	2148.2	2111.1	2121.9
47.5°	2383.0	2397.5	2483.3	2597.3	2667.4	2731.7	2558.3	2374.2	2181.3	2111.1	2107.2
50°	2341.1	2366.4	2466.8	2596.3	2723.9	2769.7	2604.1	2421.9	2192.0	2102.4	2090.7
52.5°	2079.0	2122.9	2234.8	2409.3	2602.1	2765.8	2667.4	2406.3	2188.1	2111.1	2128.7
55°	1446.7	1447.7	1584.1	1841.3	2182.2	2568.1	2574.9	2423.9	2213.5	2165.7	2166.6
57.5°	581.6	610.8	715.1	973.3	1288.0	1763.3	2096.6	2248.5	2216.4	2204.7	2234.8
60°	147.1	148.1	180.2	274.8	453.0	756.0	1097.9	1485.7	1710.7	1787.7	1798.4
62.5°	75.0	76.0	83.8	97.4	123.7	202.6	360.5	571.9	813.5	936.2	968.4
65°	61.4	61.4	66.2	73.1	74.1	77.9	93.5	133.5	193.9	220.2	223.1
67.5°	46.7	46.7	50.7	54.6	56.5	55.5	53.6	55.5	67.3	64.3	62.3
70°	29.2	30.2	32.2	36.0	38.0	39.0	39.9	41.9	47.8	49.7	47.8
72.5°	17.5	17.5	18.5	21.5	24.4	26.3	29.2	31.2	34.1	39.0	38.0
75°	7.8	7.8	9.7	12.7	15.6	18.5	21.5	24.4	26.3	29.2	30.2
77.5°	2.0	2.9	4.9	8.8	11.7	15.6	19.5	22.4	24.4	24.4	23.4
80°	0.9	0.9	3.9	6.8	12.7	16.6	21.5	23.4	26.3	24.4	21.5
82.5°	0.9	0.9	3.9	6.8	11.7	16.6	22.4	25.3	27.2	24.4	20.4
85°	0.0	0.9	2.9	5.9	9.7	11.7	9.7	6.8	3.9	3.9	2.9
87.5°	0.0	0.0	0.9	0.9	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)