

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: P646771

Luminaire Tested: **GALN-SA2C-835-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P646771
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-SA2C-835-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 1050mA 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: 7154.3 lumens
Efficiency: N/A
Efficacy: 66.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

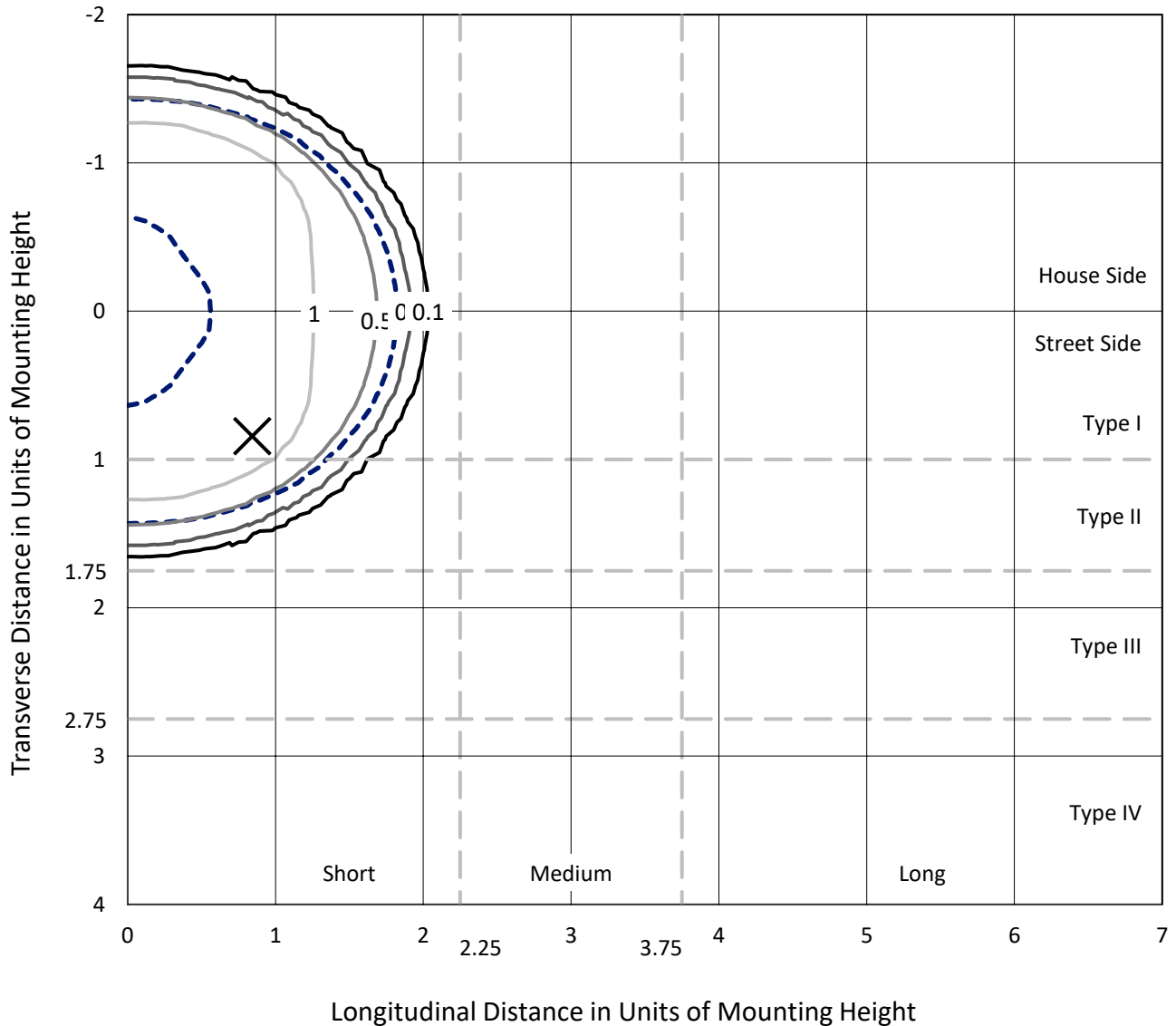
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

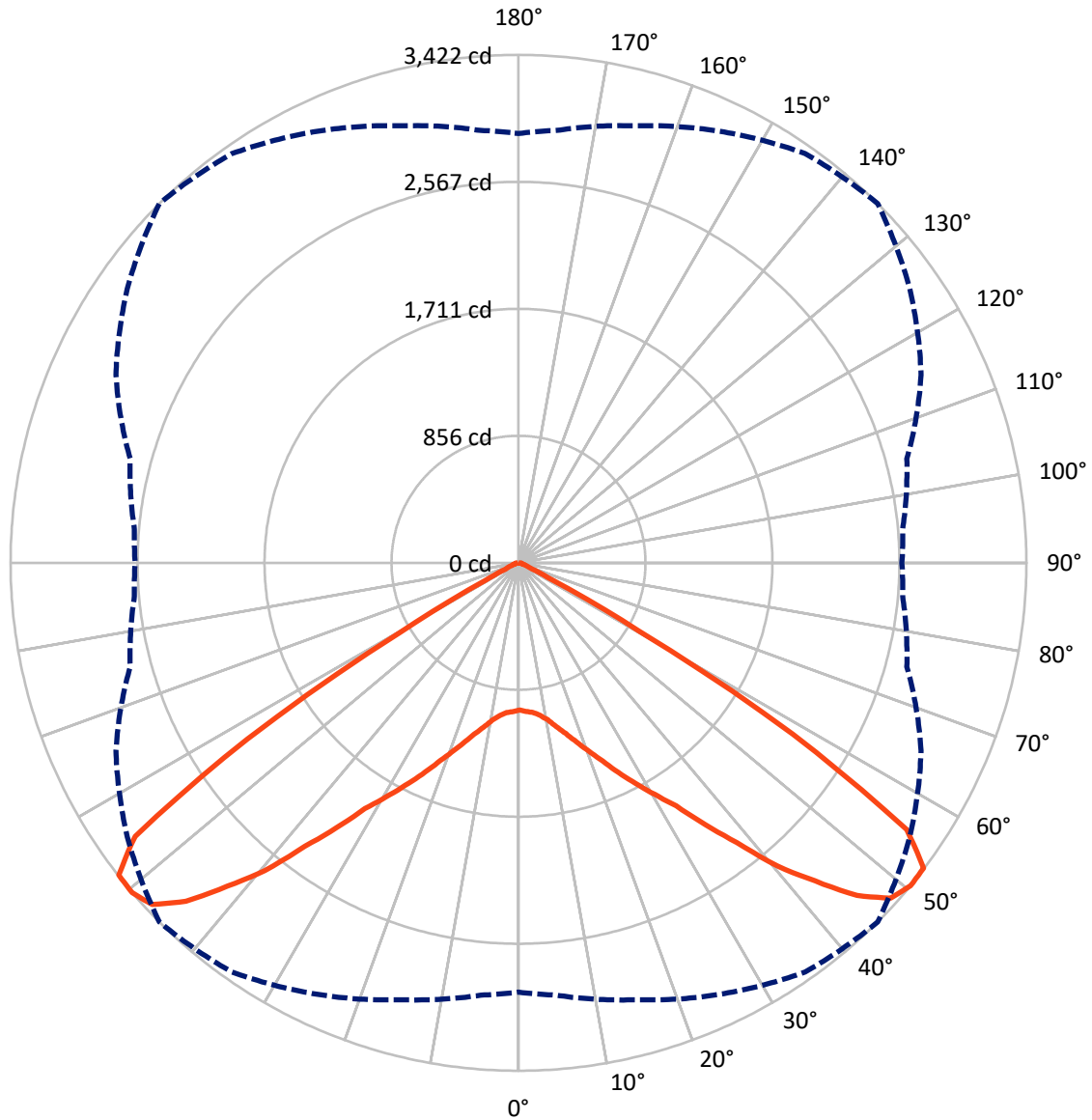
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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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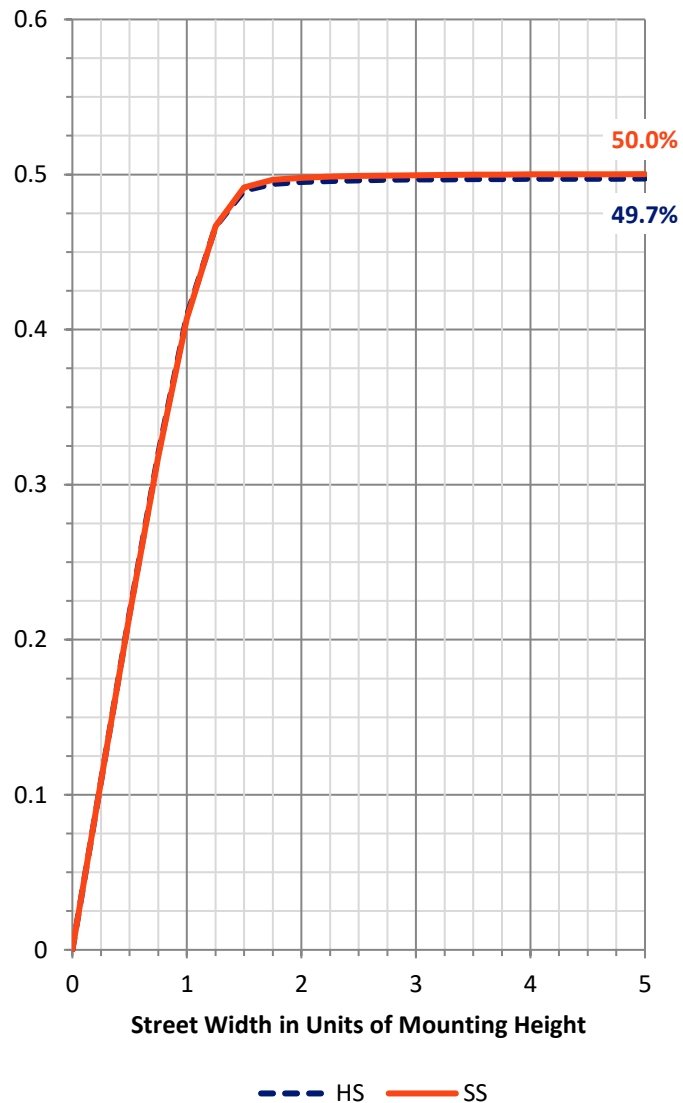
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3577.1	0.0	3577.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3577.1	0.0	3577.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	7154.3	0.0	7154.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.7	1.4
10°-20°	340.1	4.8
20°-30°	694.6	9.7
30°-40°	1324.6	18.5
40°-50°	2232.2	31.2
50°-60°	2128.8	29.8
60°-70°	297.2	4.2
70°-80°	28.4	0.4
80°-90°	9.8	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°	7154.3	100.0
0°-180°	7154.3	100.0

Coefficient of Utilization

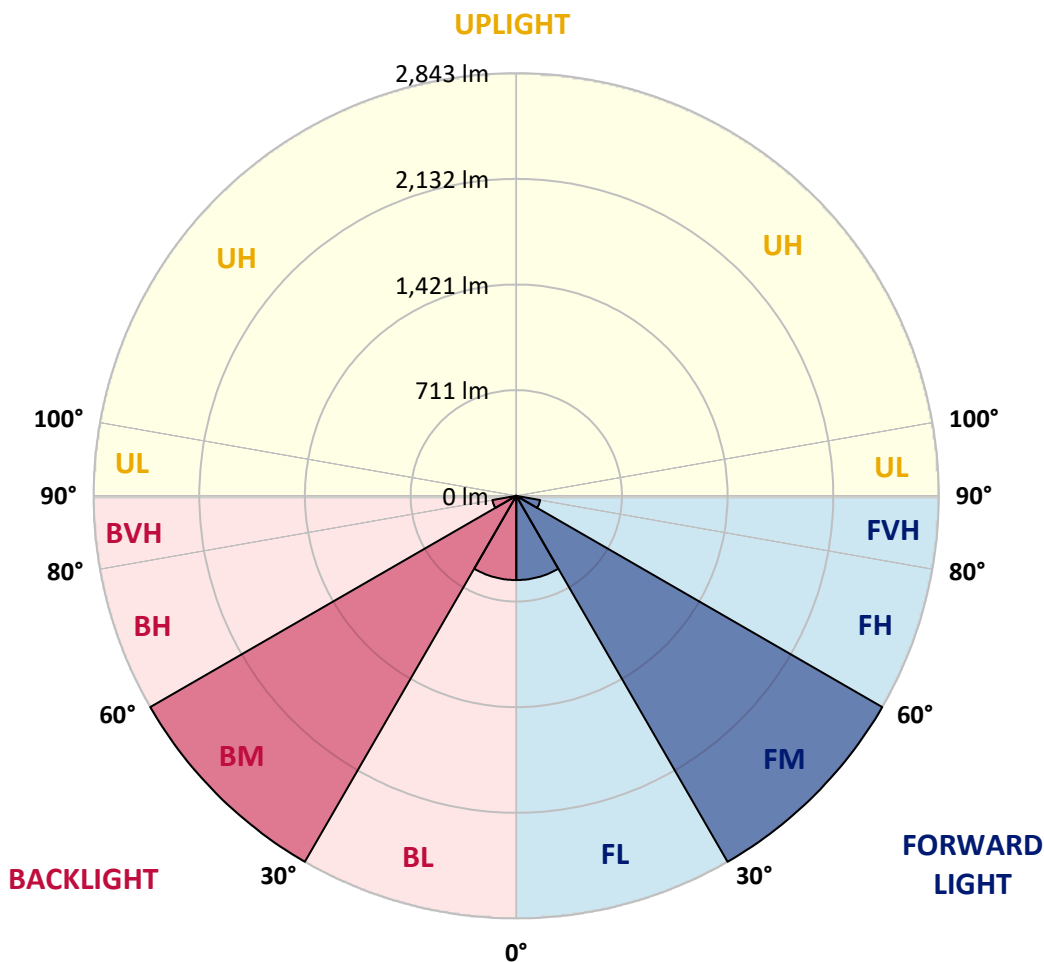


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	566.7	7.9			
FM (30°-60°)	2842.8	39.7			
FH (60°-80°)	162.8	2.3			G0/660
FVH (80°-90°)	4.9	0.1			G0/10
BL (0°-30°)	566.7	7.9	B2/1000		
BM (30°-60°)	2842.8	39.7	B3/5000		
BH (60°-80°)	162.8	2.3	B1/500		G0/660
BVH (80°-90°)	4.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8
2.5°	988.2	988.2	987.0	996.7	991.8	1002.7	1001.5	1005.1	1008.7	1007.5	1017.1
5°	979.8	978.6	978.6	989.5	1000.3	1012.3	1023.1	1030.3	1042.4	1042.4	1054.5
7.5°	988.2	982.2	990.7	995.5	1015.9	1036.4	1054.5	1068.9	1096.6	1106.2	1102.6
10°	990.7	997.9	1003.9	1018.4	1043.6	1074.9	1090.6	1126.7	1158.0	1179.7	1184.4
12.5°	1006.3	1017.1	1034.0	1068.9	1091.7	1132.7	1154.4	1189.3	1232.6	1256.7	1273.5
15°	1036.4	1040.0	1061.7	1106.2	1155.6	1192.9	1226.6	1251.9	1294.0	1321.7	1322.9
17.5°	1074.9	1090.6	1120.6	1162.8	1214.5	1269.9	1296.4	1324.1	1339.7	1377.1	1385.4
20°	1151.9	1154.4	1183.3	1238.6	1303.6	1354.2	1373.5	1387.9	1381.8	1420.4	1427.6
22.5°	1224.1	1226.6	1262.7	1337.4	1407.1	1450.5	1458.9	1450.5	1432.4	1460.1	1462.5
25°	1297.6	1319.3	1345.7	1420.4	1507.0	1564.8	1566.0	1543.1	1505.9	1510.6	1522.7
27.5°	1412.0	1427.6	1455.3	1523.9	1619.0	1684.0	1673.2	1645.5	1597.3	1600.9	1597.3
30°	1545.6	1560.0	1582.9	1670.8	1740.6	1811.6	1827.2	1800.7	1728.6	1712.9	1731.0
32.5°	1706.9	1727.3	1769.4	1850.1	1909.1	1952.4	1963.3	1953.7	1886.2	1880.2	1892.3
35°	1903.1	1930.7	1969.2	2040.3	2088.4	2166.7	2166.7	2134.2	2072.8	2080.0	2078.8
37.5°	2110.1	2151.1	2211.2	2283.5	2348.5	2390.6	2377.3	2349.6	2288.2	2272.6	2288.2
40°	2370.1	2390.6	2466.5	2560.3	2639.7	2687.9	2631.3	2571.1	2424.2	2447.2	2489.3
42.5°	2607.2	2639.7	2697.5	2801.0	2891.3	2931.1	2863.7	2744.5	2567.5	2549.4	2580.8
45°	2809.5	2844.4	2920.2	3068.3	3163.4	3198.2	3049.0	2856.4	2654.2	2608.5	2621.7
47.5°	2944.3	2962.3	3068.3	3209.1	3295.8	3375.2	3161.0	2933.4	2695.1	2608.5	2603.6
50°	2892.6	2923.8	3047.8	3207.9	3365.6	3422.2	3217.5	2992.5	2708.4	2597.6	2583.2
52.5°	2568.7	2622.9	2761.3	2976.8	3215.2	3417.3	3295.8	2973.2	2703.5	2608.5	2630.1
55°	1787.5	1788.7	1957.3	2275.0	2696.3	3173.0	3181.4	2994.8	2734.9	2675.8	2677.1
57.5°	718.6	754.7	883.5	1202.5	1591.3	2178.7	2590.4	2778.2	2738.5	2724.0	2761.3
60°	181.7	183.0	222.7	339.4	559.7	934.1	1356.5	1835.7	2113.7	2208.8	2222.1
62.5°	92.7	93.9	103.5	120.3	152.8	250.4	445.4	706.6	1005.1	1156.8	1196.5
65°	75.9	75.9	81.8	90.3	91.5	96.3	115.6	164.9	239.5	272.0	275.6
67.5°	57.8	57.8	62.6	67.4	69.8	68.6	66.2	68.6	83.1	79.5	77.0
70°	36.1	37.3	39.7	44.6	47.0	48.2	49.3	51.8	59.0	61.4	59.0
72.5°	21.7	21.7	22.9	26.5	30.1	32.5	36.1	38.5	42.1	48.2	47.0
75°	9.6	9.6	12.1	15.7	19.3	22.9	26.5	30.1	32.5	36.1	37.3
77.5°	2.4	3.6	6.0	10.8	14.4	19.3	24.0	27.7	30.1	30.1	28.9
80°	1.2	1.2	4.8	8.5	15.7	20.4	26.5	28.9	32.5	30.1	26.5
82.5°	1.2	1.2	4.8	8.5	14.4	20.4	27.7	31.3	33.7	30.1	25.3
85°	0.0	1.2	3.6	7.2	12.1	14.4	12.1	8.5	4.8	4.8	3.6
87.5°	0.0	0.0	1.2	1.2	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)