

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: P646772

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P646772
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-SA2C-835-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 1050mA 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: 9699.8 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

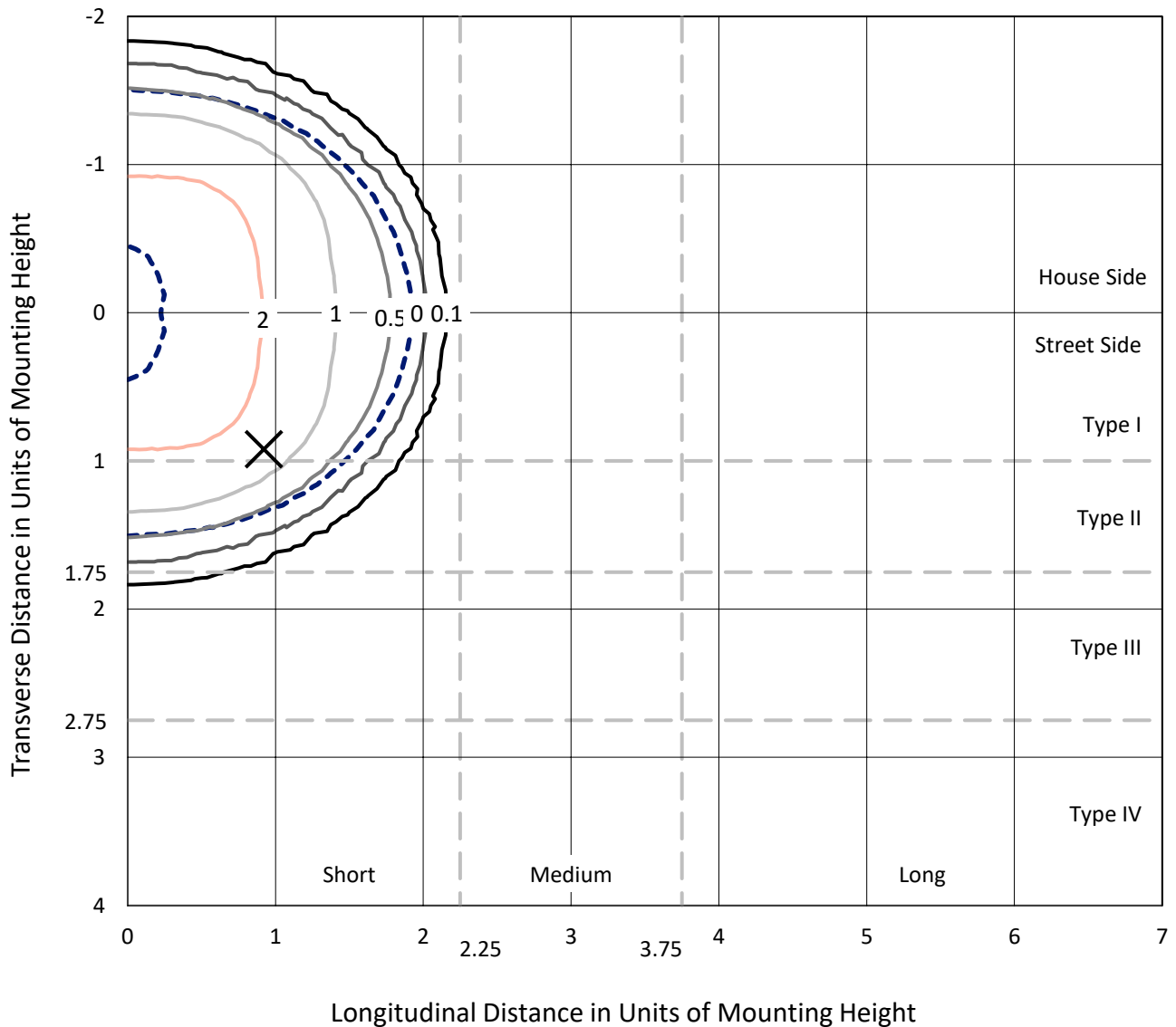
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

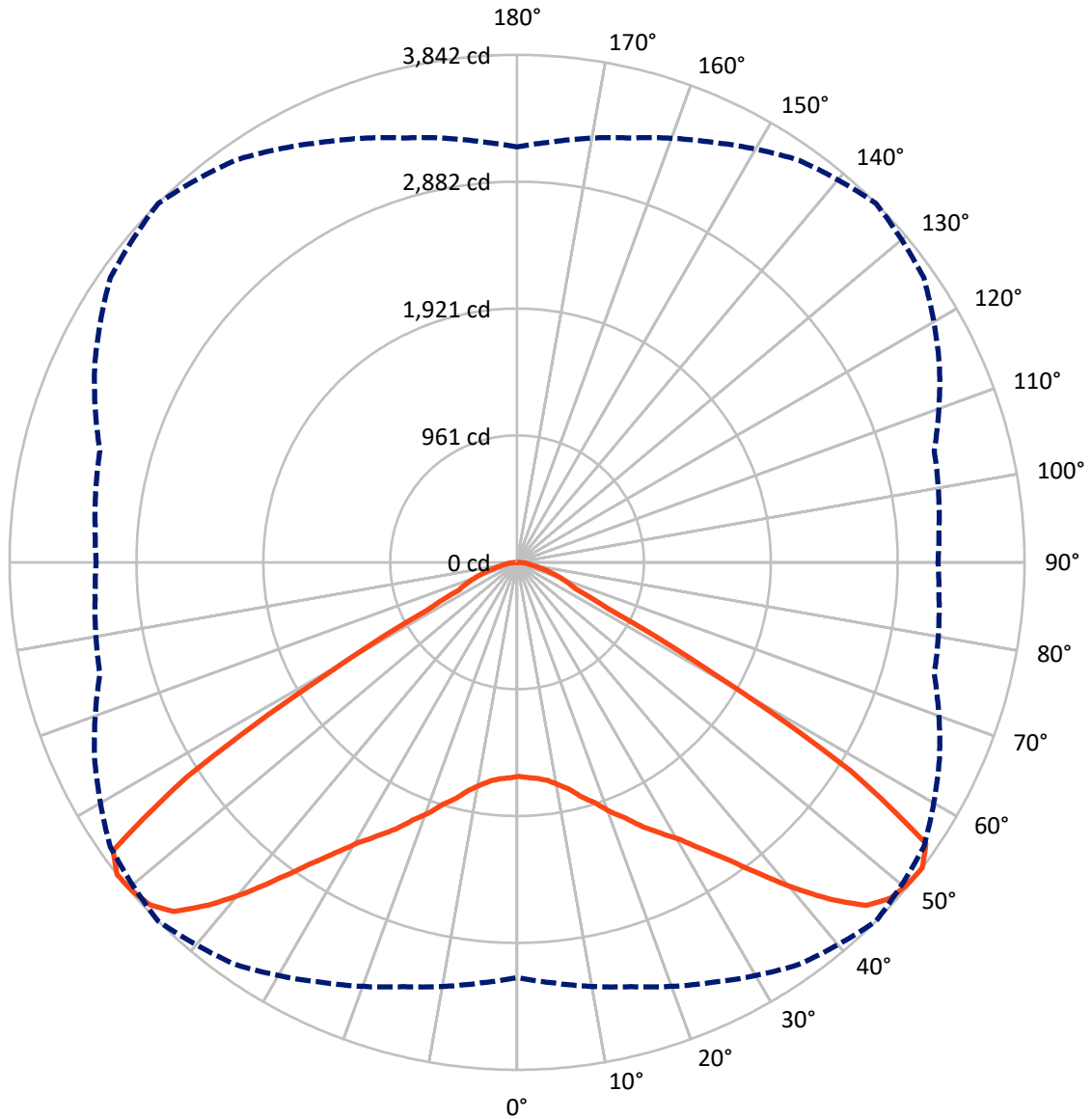
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4849.9	0.0	4849.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4849.9	0.0	4849.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	9699.8	0.0	9699.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.3	1.6
10°-20°	523.5	5.4
20°-30°	996.6	10.3
30°-40°	1711.2	17.6
40°-50°	2630.2	27.1
50°-60°	2670.9	27.5
60°-70°	744.4	7.7
70°-80°	219.6	2.3
80°-90°	44.2	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°	9699.8	100.0
0°-180°	9699.8	100.0

Coefficient of Utilization



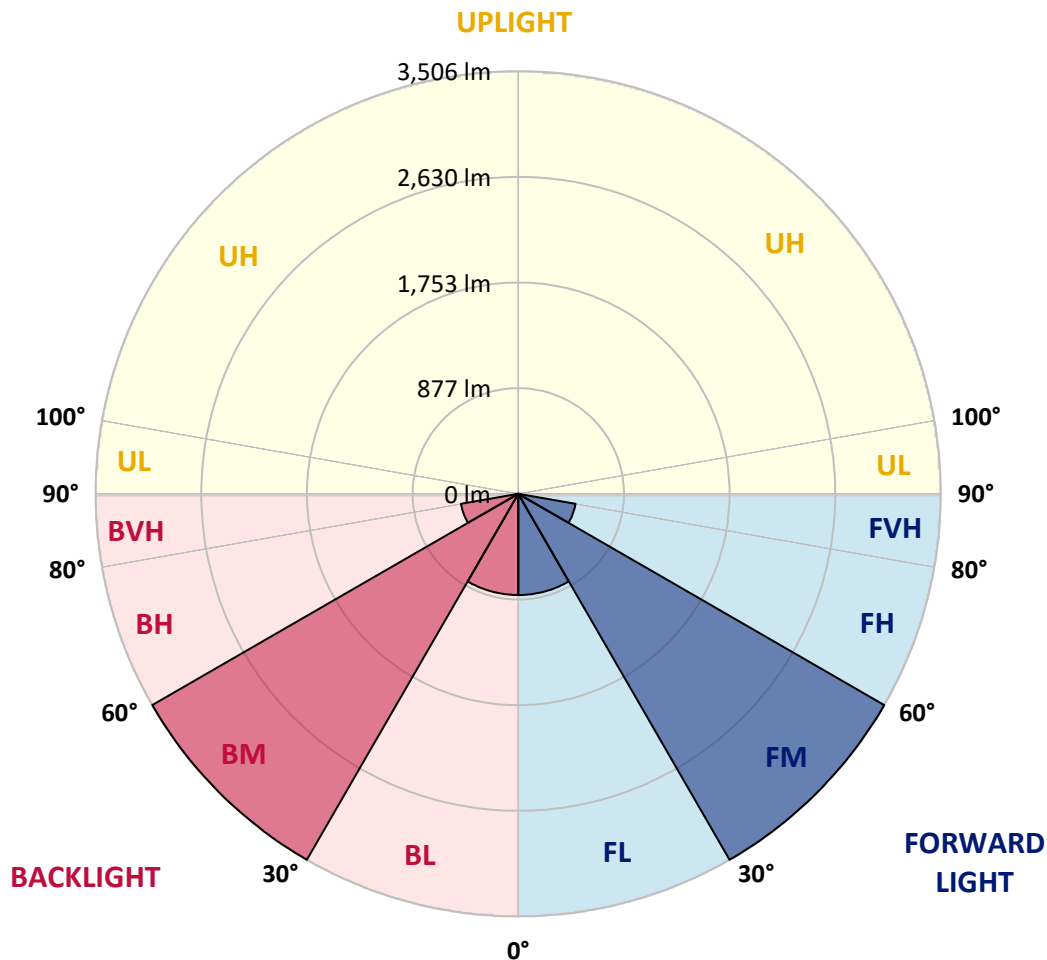
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	839.7	8.7			
FM (30°-60°)	3506.2	36.1			
FH (60°-80°)	482.0	5.0			G0/660
FVH (80°-90°)	22.1	0.2			G1/100
BL (0°-30°)	839.7	8.7	B2/1000		
BM (30°-60°)	3506.2	36.1	B3/5000		
BH (60°-80°)	482.0	5.0	B1/500		G0/660
BVH (80°-90°)	22.1	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°	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4
2.5°	1625.0	1608.2	1614.2	1617.8	1633.5	1632.3	1628.6	1633.5	1638.3	1639.5	1637.1
5°	1623.9	1611.8	1616.7	1620.3	1635.9	1644.3	1642.0	1662.4	1676.8	1673.2	1691.3
7.5°	1614.2	1621.4	1615.4	1633.5	1646.7	1667.2	1688.9	1708.1	1726.2	1746.6	1750.2
10°	1635.9	1635.9	1646.7	1661.2	1696.1	1711.7	1743.0	1770.7	1805.6	1829.7	1820.1
12.5°	1658.8	1662.4	1662.4	1699.7	1728.6	1763.5	1792.4	1829.7	1879.0	1907.9	1922.4
15°	1681.6	1684.1	1696.1	1746.6	1789.9	1845.4	1871.8	1905.5	1933.2	1987.4	1988.6
17.5°	1702.1	1715.3	1751.5	1808.0	1862.2	1915.1	1957.3	1992.2	2016.3	2037.9	2033.1
20°	1779.1	1788.8	1826.1	1882.6	1963.3	2015.1	2029.5	2035.6	2051.2	2094.5	2081.3
22.5°	1853.8	1857.4	1892.3	1979.0	2035.6	2104.2	2119.8	2116.2	2122.2	2133.0	2152.3
25°	1930.8	1936.8	1985.0	2058.4	2137.8	2219.7	2233.0	2205.2	2196.9	2208.8	2210.1
27.5°	2029.5	2030.7	2092.1	2155.9	2246.2	2323.2	2343.7	2322.1	2282.3	2291.9	2307.6
30°	2154.7	2146.3	2207.7	2299.1	2394.3	2437.6	2472.5	2461.7	2418.3	2409.9	2396.7
32.5°	2299.1	2301.6	2356.9	2456.8	2519.5	2591.7	2629.0	2610.9	2583.3	2568.8	2577.2
35°	2502.6	2513.4	2550.8	2633.8	2734.9	2771.0	2830.0	2791.5	2719.3	2737.3	2752.9
37.5°	2670.0	2701.2	2771.0	2869.8	2929.9	2996.1	3017.8	2966.0	2913.1	2891.4	2943.1
40°	2926.3	2916.7	2993.7	3092.5	3181.5	3247.7	3220.0	3168.3	3037.0	3038.3	3052.7
42.5°	3146.6	3151.4	3210.4	3328.4	3450.0	3490.8	3403.0	3276.6	3131.0	3115.3	3146.6
45°	3332.0	3351.2	3384.9	3542.6	3661.8	3706.3	3543.9	3394.5	3199.6	3134.6	3186.3
47.5°	3398.2	3429.5	3502.9	3647.4	3765.3	3801.5	3671.4	3457.2	3263.4	3157.4	3185.1
50°	3407.9	3397.0	3517.4	3649.8	3753.3	3831.5	3717.2	3502.9	3247.7	3192.4	3183.9
52.5°	3144.2	3197.1	3325.9	3507.8	3717.2	3842.3	3758.1	3528.2	3269.4	3206.8	3186.3
55°	2544.8	2482.1	2716.9	3022.6	3407.9	3755.7	3743.7	3541.4	3282.6	3230.9	3203.2
57.5°	1420.4	1438.4	1570.9	1903.2	2400.3	2978.1	3328.4	3401.8	3276.6	3246.5	3261.0
60°	657.3	663.3	719.8	875.2	1183.3	1688.9	2149.9	2618.1	2833.6	2877.0	2877.0
62.5°	489.9	487.5	502.0	529.6	594.7	776.4	1036.5	1408.4	1704.5	1911.5	1965.7
65°	442.9	441.8	449.0	458.6	463.5	488.7	546.5	660.9	757.2	812.5	802.9
67.5°	387.6	386.4	388.8	394.9	403.2	416.5	431.0	455.0	488.7	486.3	480.3
70°	313.0	313.0	316.6	321.4	331.1	346.7	363.5	380.4	409.3	415.3	414.1
72.5°	231.1	227.5	234.7	244.4	254.0	273.3	291.3	306.9	327.5	333.4	331.1
75°	146.9	149.2	154.1	164.9	181.7	195.0	214.2	227.5	240.8	245.5	246.8
77.5°	81.8	84.3	92.7	105.9	122.8	137.3	154.1	164.9	173.4	174.5	175.8
80°	49.3	50.6	59.0	71.0	85.5	101.1	114.3	125.2	132.4	128.8	127.6
82.5°	30.1	31.3	38.5	49.3	61.4	73.4	87.9	97.5	104.7	99.9	95.1
85°	15.7	16.8	22.9	30.1	39.7	45.7	45.7	41.0	39.7	37.3	36.1
87.5°	4.8	4.8	6.0	7.2	6.0	7.2	8.5	9.6	9.6	10.8	9.6
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)