

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: P527606

Luminaire Tested: **GALN-SA2C-827-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527606
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-827-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 2700K, 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: 9107 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

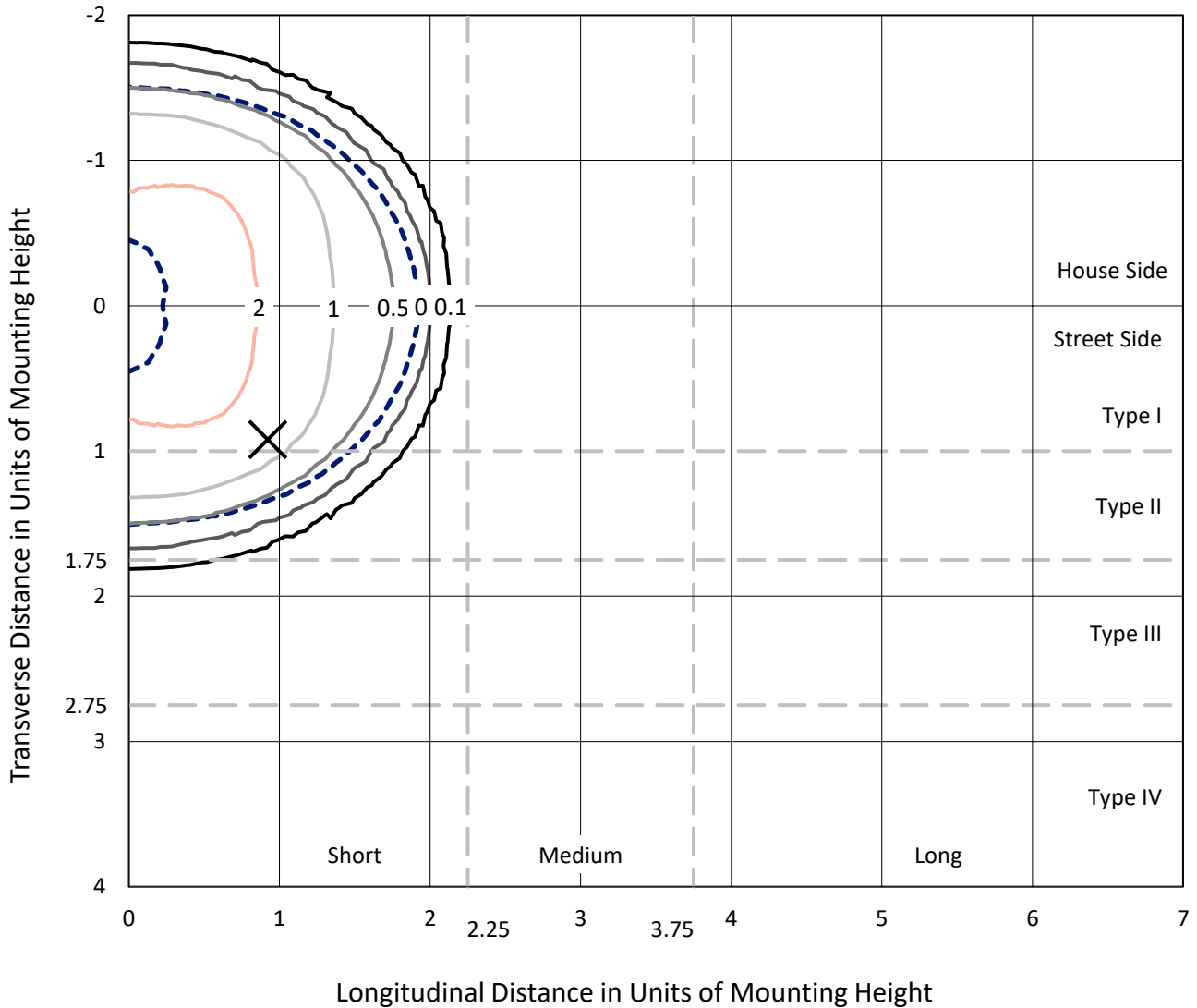
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

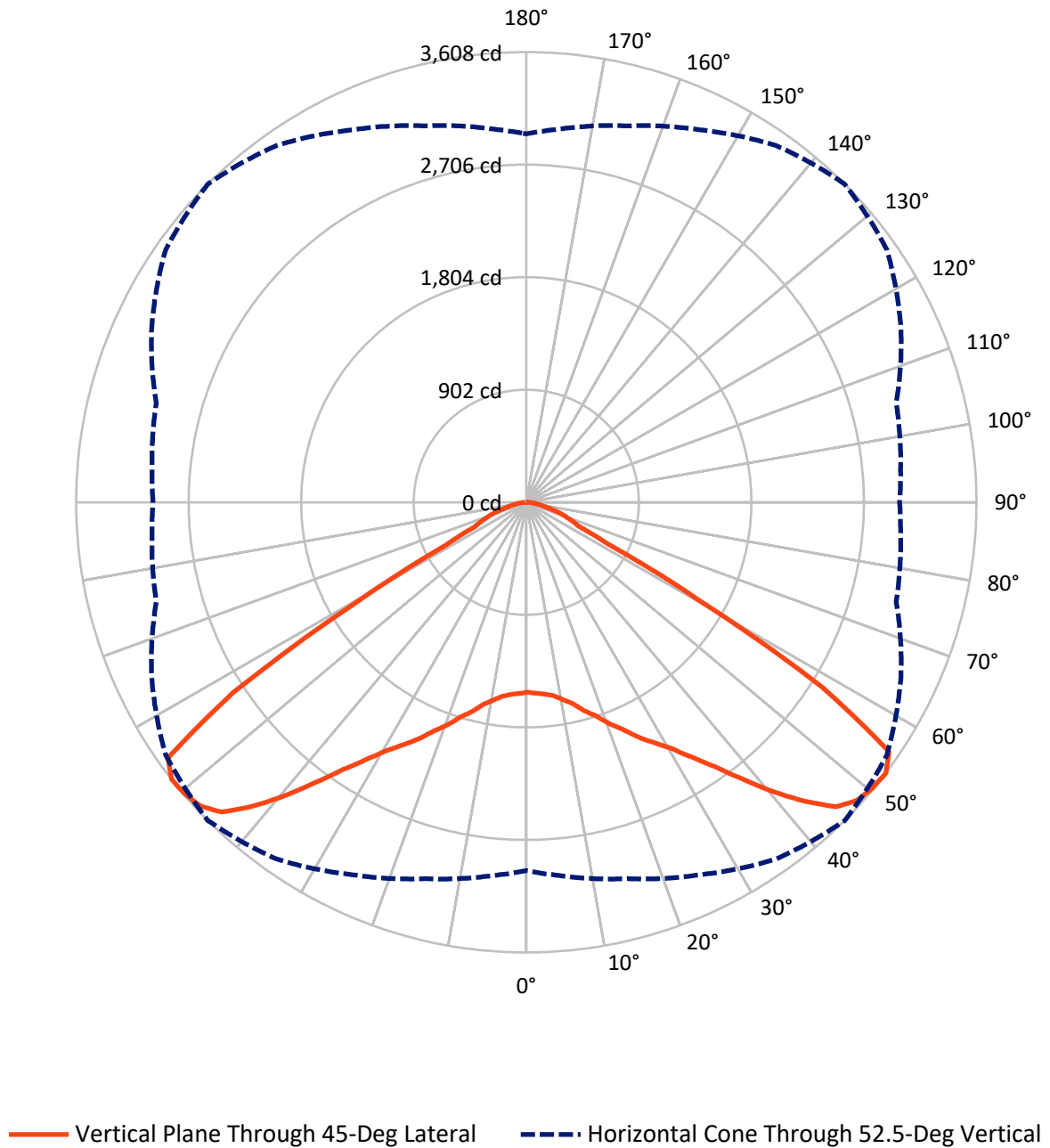
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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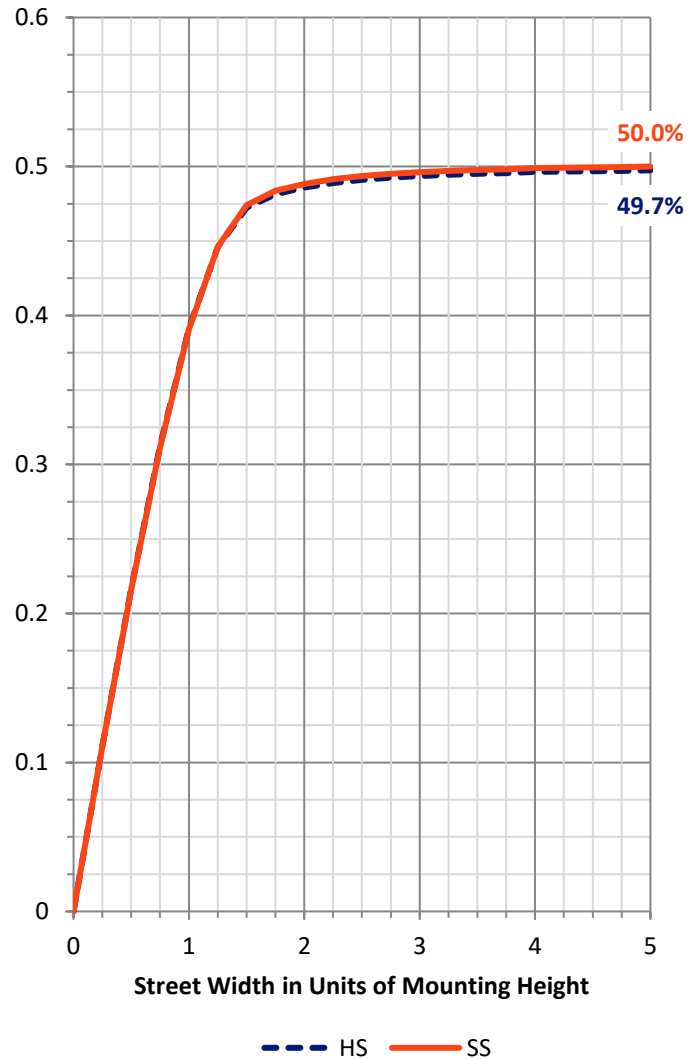
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4553.5	0.0	4553.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4553.5	0.0	4553.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9107.0	0.0	9107.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.6	1.6
10°-20°	491.5	5.4
20°-30°	935.7	10.3
30°-40°	1606.6	17.6
40°-50°	2469.4	27.1
50°-60°	2507.7	27.5
60°-70°	698.9	7.7
70°-80°	206.2	2.3
80°-90°	41.5	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°	9107.0	100.0
0°-180°	9107.0	100.0

Coefficient of Utilization

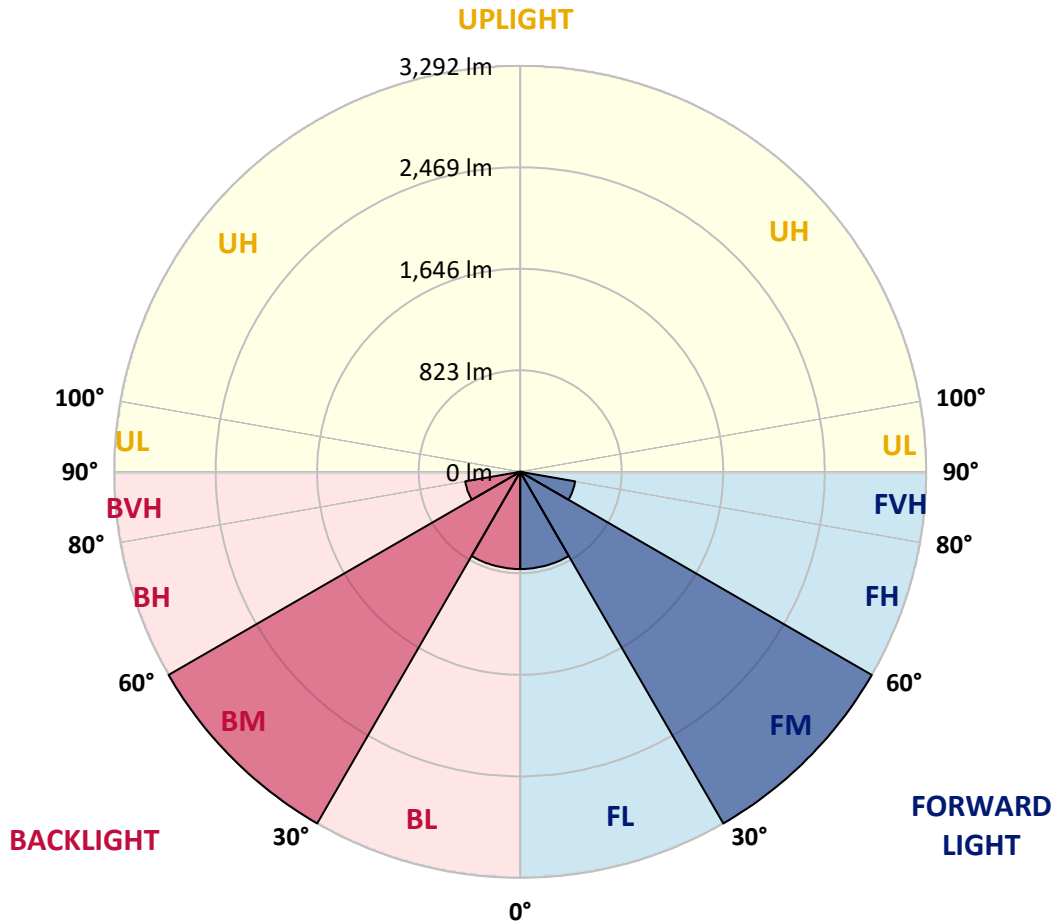


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	788.4	8.7			
FM (30°-60°)	3291.9	36.1			
FH (60°-80°)	452.5	5.0			G0/660
FVH (80°-90°)	20.8	0.2			G1/100
BL (0°-30°)	788.4	8.7	B2/1000		
BM (30°-60°)	3291.9	36.1	B3/5000		
BH (60°-80°)	452.5	5.0	B1/500		G0/660
BVH (80°-90°)	20.8	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°	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4
2.5°	1525.7	1509.9	1515.6	1519.0	1533.7	1532.5	1529.1	1533.7	1538.2	1539.3	1537.0
5°	1524.6	1513.3	1517.8	1521.2	1535.9	1543.8	1541.6	1560.8	1574.3	1571.0	1587.9
7.5°	1515.6	1522.4	1516.7	1533.7	1546.1	1565.3	1585.6	1603.7	1620.7	1639.9	1643.3
10°	1535.9	1535.9	1546.1	1559.7	1592.4	1607.1	1636.5	1662.5	1695.3	1717.9	1708.8
12.5°	1557.4	1560.8	1560.8	1595.8	1622.9	1655.7	1682.8	1717.9	1764.2	1791.3	1804.9
15°	1578.9	1581.1	1592.4	1639.9	1680.6	1732.6	1757.4	1789.1	1815.1	1865.9	1867.1
17.5°	1598.1	1610.5	1644.4	1697.5	1748.4	1798.1	1837.7	1870.5	1893.1	1913.4	1908.9
20°	1670.4	1679.5	1714.5	1767.6	1843.3	1891.9	1905.5	1911.1	1925.8	1966.5	1954.1
22.5°	1740.5	1743.9	1776.6	1858.0	1911.1	1975.6	1990.3	1986.9	1992.5	2002.7	2020.8
25°	1812.8	1818.5	1863.7	1932.6	2007.2	2084.1	2096.5	2070.5	2062.6	2073.9	2075.0
27.5°	1905.5	1906.6	1964.3	2024.2	2108.9	2181.3	2200.5	2180.1	2142.8	2151.9	2166.6
30°	2023.0	2015.1	2072.8	2158.6	2247.9	2288.6	2321.4	2311.2	2270.5	2262.6	2250.2
32.5°	2158.6	2160.9	2212.9	2306.7	2365.5	2433.3	2468.3	2451.4	2425.4	2411.8	2419.7
35°	2349.6	2359.8	2394.9	2472.8	2567.8	2601.7	2657.1	2620.9	2553.1	2570.0	2584.7
37.5°	2506.7	2536.1	2601.7	2694.4	2750.9	2813.0	2833.4	2784.8	2735.0	2714.7	2763.3
40°	2747.5	2738.4	2810.8	2903.4	2987.1	3049.2	3023.2	2974.6	2851.4	2852.6	2866.1
42.5°	2954.3	2958.8	3014.2	3125.0	3239.1	3277.5	3195.0	3076.4	2939.6	2924.9	2954.3
45°	3128.3	3146.4	3178.1	3326.1	3438.0	3479.8	3327.3	3187.1	3004.0	2943.0	2991.6
47.5°	3190.5	3219.9	3288.8	3424.5	3535.2	3569.1	3447.1	3245.9	3063.9	2964.5	2990.5
50°	3199.5	3189.4	3302.4	3426.7	3523.9	3597.4	3490.0	3288.8	3049.2	2997.2	2989.3
52.5°	2952.0	3001.8	3122.7	3293.4	3490.0	3607.5	3528.4	3312.6	3069.6	3010.8	2991.6
55°	2389.2	2330.4	2550.8	2837.9	3199.5	3526.2	3514.9	3325.0	3082.0	3033.4	3007.4
57.5°	1333.6	1350.6	1474.9	1786.8	2253.6	2796.1	3125.0	3193.9	3076.4	3048.1	3061.7
60°	617.1	622.7	675.8	821.6	1111.0	1585.6	2018.5	2458.1	2660.4	2701.1	2701.1
62.5°	460.0	457.7	471.3	497.3	558.3	729.0	973.1	1322.3	1600.3	1794.7	1845.6
65°	415.9	414.8	421.6	430.6	435.1	458.9	513.1	620.5	710.9	762.9	753.8
67.5°	363.9	362.8	365.0	370.7	378.6	391.0	404.6	427.2	458.9	456.6	450.9
70°	293.8	293.8	297.2	301.8	310.8	325.5	341.3	357.1	384.3	389.9	388.8
72.5°	217.0	213.6	220.4	229.4	238.5	256.6	273.5	288.2	307.4	313.1	310.8
75°	137.9	140.1	144.7	154.8	170.7	183.1	201.2	213.6	226.0	230.6	231.7
77.5°	76.9	79.1	87.0	99.5	115.3	128.8	144.7	154.8	162.7	163.9	165.0
80°	46.3	47.5	55.4	66.7	80.2	94.9	107.4	117.5	124.3	120.9	119.8
82.5°	28.3	29.4	36.2	46.3	57.6	68.9	82.5	91.5	98.3	93.8	89.3
85°	14.7	15.8	21.5	28.3	37.3	42.9	42.9	38.4	37.3	35.0	33.9
87.5°	4.5	4.5	5.7	6.8	5.7	6.8	7.9	9.0	9.0	10.2	9.0
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)