

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: P527398

Luminaire Tested: **GALN-SA2B-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527398
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-SA2B-830-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 800mA 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: 7968 lumens
Efficiency: N/A
Efficacy: 97.2 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): 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

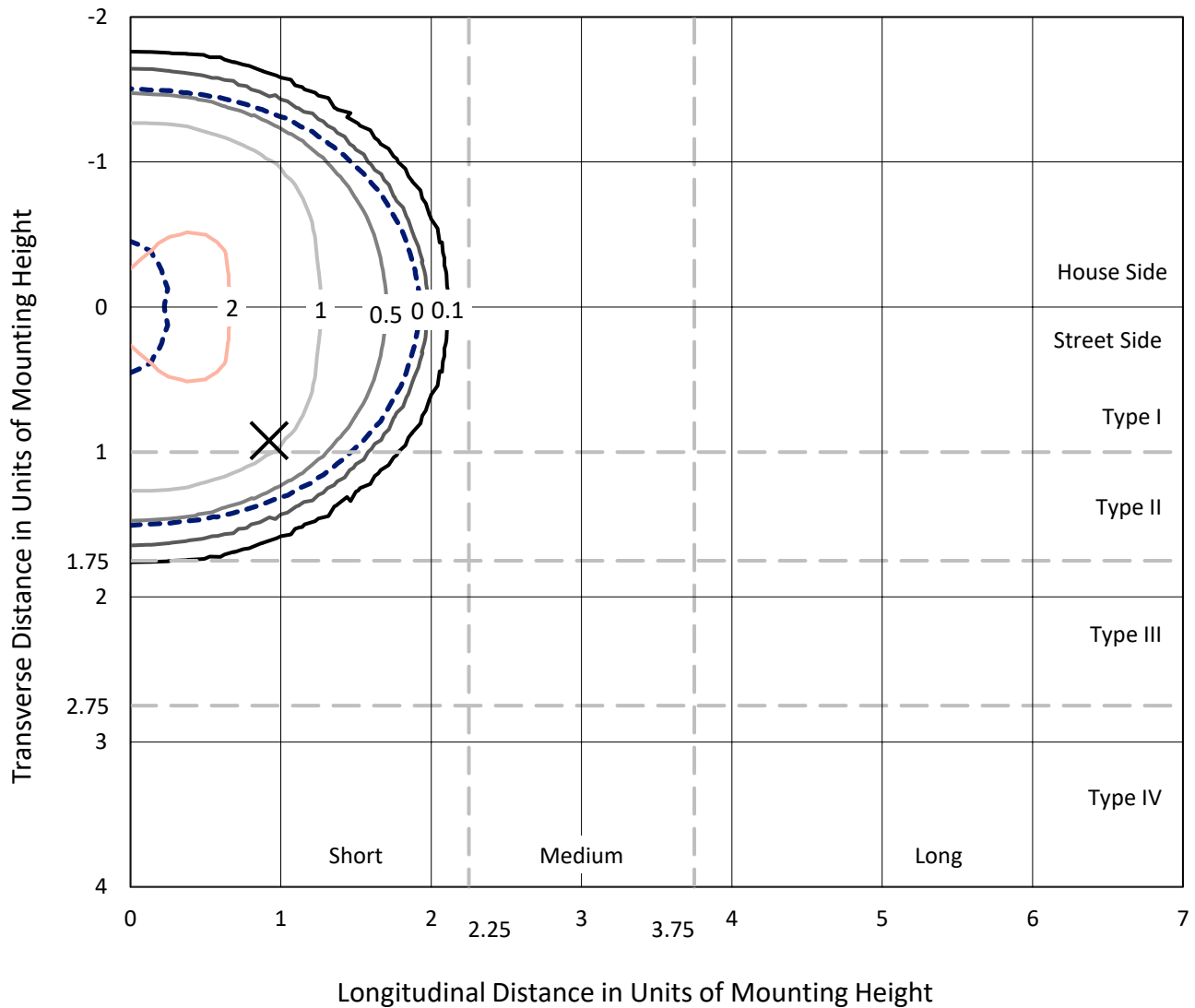


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

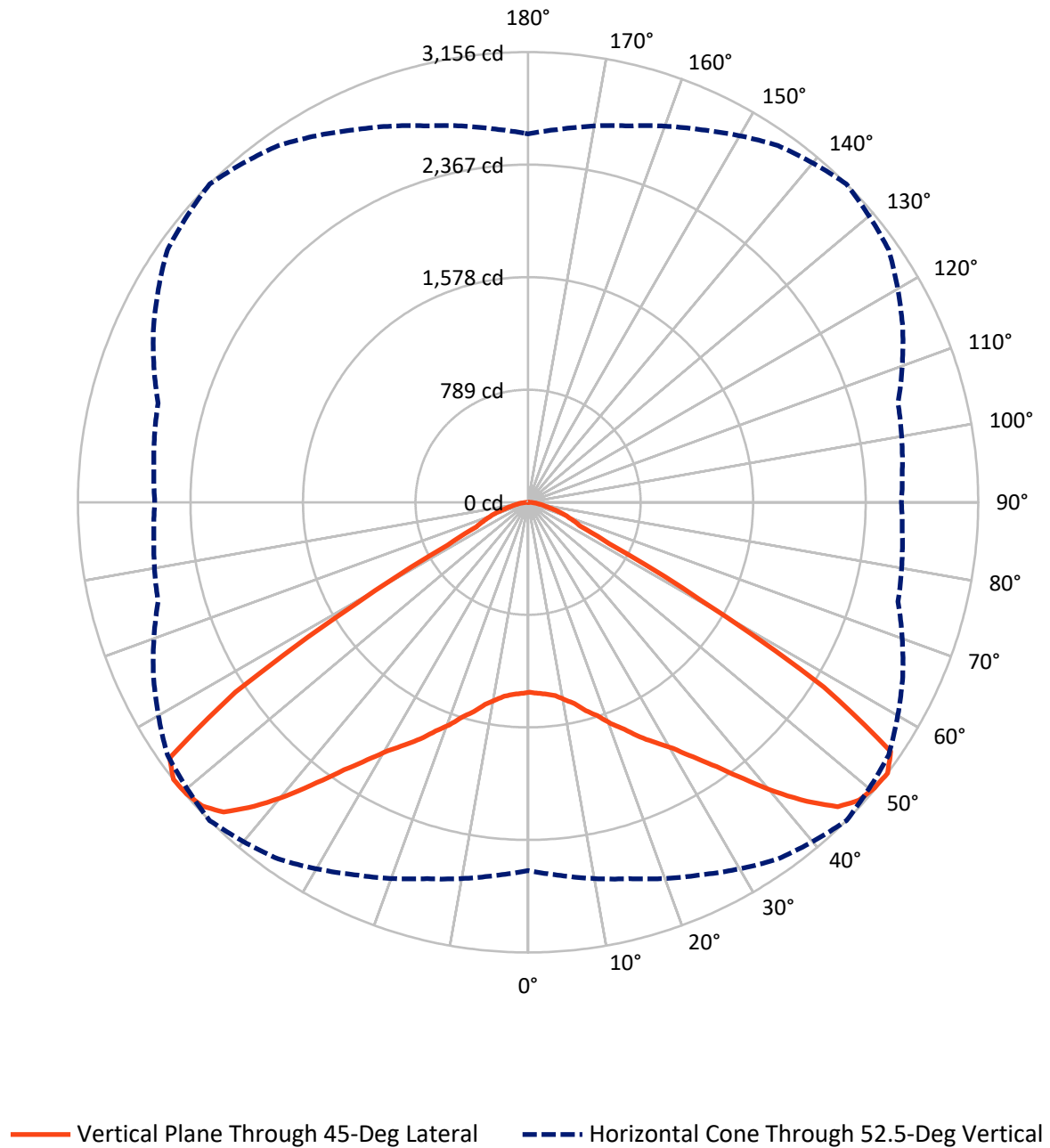


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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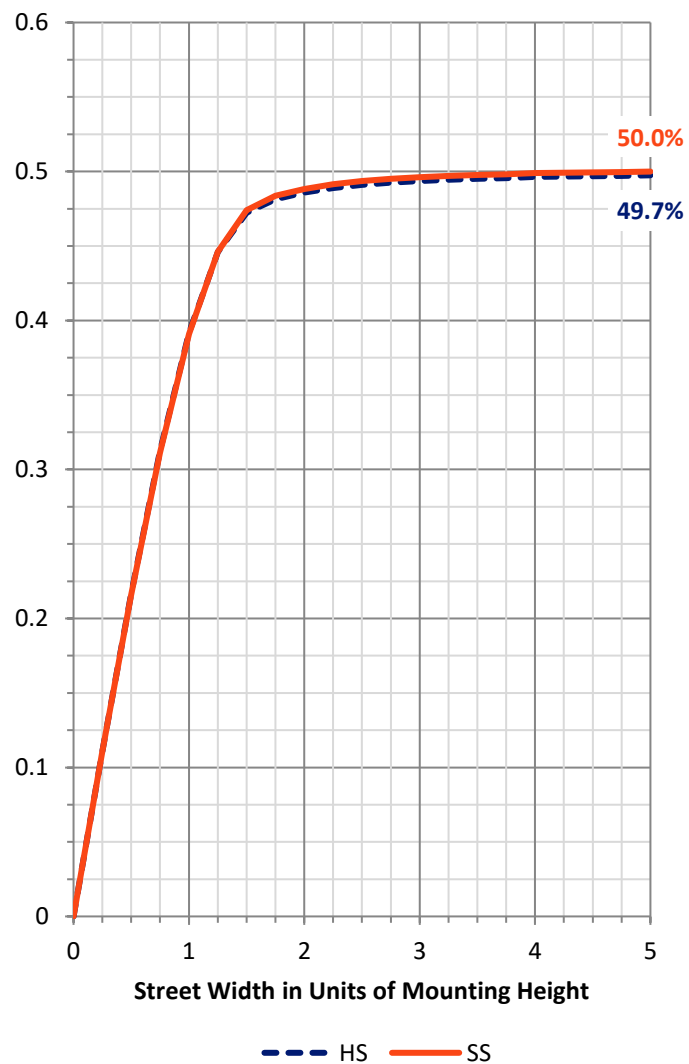
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3984.0	0.0	3984.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3984.0	0.0	3984.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7968.0	0.0	7968.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.9	1.6
10°-20°	430.0	5.4
20°-30°	818.7	10.3
30°-40°	1405.7	17.6
40°-50°	2160.6	27.1
50°-60°	2194.0	27.5
60°-70°	611.5	7.7
70°-80°	180.4	2.3
80°-90°	36.3	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°	7968.0	100.0
0°-180°	7968.0	100.0

Coefficient of Utilization



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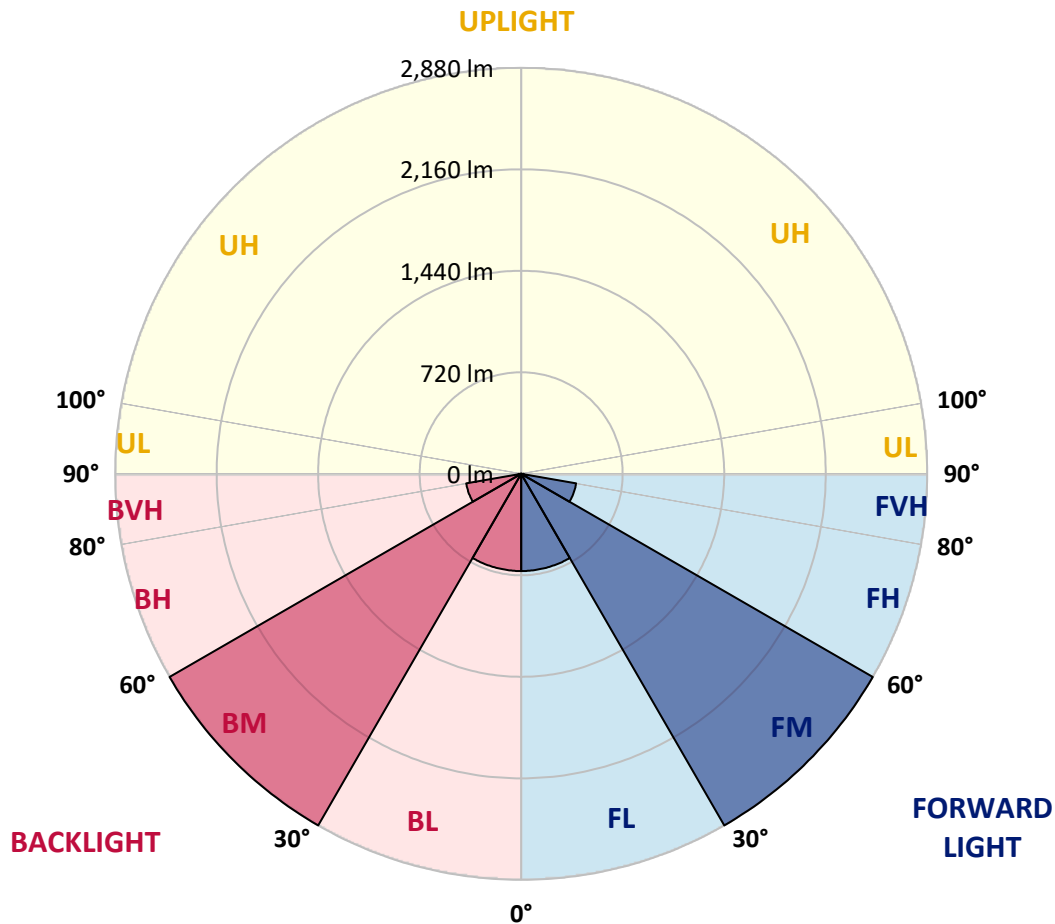
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	689.8	8.7			
FM	(30°-60°)	2880.2	36.1			
FH	(60°-80°)	395.9	5.0			G0/660
FVH	(80°-90°)	18.2	0.2			G1/100
BL	(0°-30°)	689.8	8.7	B2/1000		
BM	(30°-60°)	2880.2	36.1	B3/5000		
BH	(60°-80°)	395.9	5.0	B1/500		G0/660
BVH	(80°-90°)	18.2	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°	1332.0	1332.0	1332.0	1332.0	1332.0	1332.0	1332.0	1332.0	1332.0	1332.0	1332.0
2.5°	1334.9	1321.1	1326.0	1329.0	1341.8	1340.9	1337.9	1341.8	1345.8	1346.8	1344.8
5°	1333.9	1324.0	1328.0	1331.0	1343.8	1350.7	1348.8	1365.6	1377.4	1374.5	1389.3
7.5°	1326.0	1332.0	1327.0	1341.8	1352.7	1369.5	1387.3	1403.2	1418.0	1434.8	1437.8
10°	1343.8	1343.8	1352.7	1364.6	1393.3	1406.1	1431.8	1454.6	1483.2	1503.0	1495.1
12.5°	1362.6	1365.6	1365.6	1396.2	1420.0	1448.6	1472.4	1503.0	1543.6	1567.3	1579.2
15°	1381.4	1383.4	1393.3	1434.8	1470.4	1515.9	1537.6	1565.3	1588.1	1632.6	1633.5
17.5°	1398.2	1409.1	1438.8	1485.2	1529.7	1573.2	1607.8	1636.5	1656.3	1674.1	1670.1
20°	1461.5	1469.4	1500.1	1546.5	1612.8	1655.3	1667.2	1672.1	1685.0	1720.6	1709.7
22.5°	1522.8	1525.8	1554.4	1625.6	1672.1	1728.5	1741.3	1738.4	1743.3	1752.2	1768.0
25°	1586.1	1591.0	1630.6	1690.9	1756.2	1823.4	1834.3	1811.5	1804.6	1814.5	1815.5
27.5°	1667.2	1668.2	1718.6	1771.0	1845.2	1908.4	1925.3	1907.5	1874.8	1882.7	1895.6
30°	1770.0	1763.1	1813.5	1888.7	1966.8	2002.4	2031.1	2022.2	1986.6	1979.6	1968.8
32.5°	1888.7	1890.6	1936.1	2018.2	2069.6	2129.0	2159.6	2144.8	2122.0	2110.2	2117.1
35°	2055.8	2064.7	2095.3	2163.6	2246.6	2276.3	2324.7	2293.1	2233.8	2248.6	2261.5
37.5°	2193.2	2218.9	2276.3	2357.4	2406.8	2461.2	2479.0	2436.5	2393.0	2375.2	2417.7
40°	2403.8	2395.9	2459.2	2540.3	2613.5	2667.9	2645.1	2602.6	2494.8	2495.8	2507.7
42.5°	2584.8	2588.8	2637.2	2734.1	2834.0	2867.6	2795.4	2691.6	2572.0	2559.1	2584.8
45°	2737.1	2752.9	2780.6	2910.1	3008.0	3044.6	2911.1	2788.5	2628.3	2574.9	2617.4
47.5°	2791.5	2817.2	2877.5	2996.2	3093.1	3122.7	3015.9	2839.9	2680.7	2593.7	2616.4
50°	2799.4	2790.5	2889.4	2998.1	3083.2	3147.5	3053.5	2877.5	2667.9	2622.4	2615.5
52.5°	2582.8	2626.3	2732.1	2881.5	3053.5	3156.4	3087.1	2898.3	2685.7	2634.2	2617.4
55°	2090.4	2039.0	2231.8	2483.0	2799.4	3085.2	3075.3	2909.1	2696.5	2654.0	2631.3
57.5°	1166.8	1181.7	1290.4	1563.3	1971.7	2446.4	2734.1	2794.4	2691.6	2666.9	2678.7
60°	539.9	544.8	591.3	718.9	972.0	1387.3	1766.1	2150.7	2327.7	2363.3	2363.3
62.5°	402.5	400.5	412.3	435.1	488.5	637.8	851.4	1156.9	1400.2	1570.3	1614.8
65°	363.9	362.9	368.8	376.7	380.7	401.5	448.9	542.9	622.0	667.5	659.6
67.5°	318.4	317.4	319.4	324.3	331.3	342.1	354.0	373.8	401.5	399.5	394.5
70°	257.1	257.1	260.1	264.0	271.9	284.8	298.6	312.5	336.2	341.1	340.2
72.5°	189.9	186.9	192.8	200.7	208.6	224.5	239.3	252.2	269.0	273.9	271.9
75°	120.6	122.6	126.6	135.5	149.3	160.2	176.0	186.9	197.8	201.7	202.7
77.5°	67.2	69.2	76.1	87.0	100.9	112.7	126.6	135.5	142.4	143.4	144.4
80°	40.5	41.5	48.5	58.3	70.2	83.1	93.9	102.8	108.8	105.8	104.8
82.5°	24.7	25.7	31.6	40.5	50.4	60.3	72.2	80.1	86.0	82.1	78.1
85°	12.9	13.8	18.8	24.7	32.6	37.6	37.6	33.6	32.6	30.7	29.7
87.5°	4.0	4.0	4.9	5.9	4.9	5.9	6.9	7.9	7.9	8.9	7.9
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)