

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: P528333

Luminaire Tested: **GALN-SA3B-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528333
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-SA3B-830-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 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: 8723 lumens
Efficiency: N/A
Efficacy: 72.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 121
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



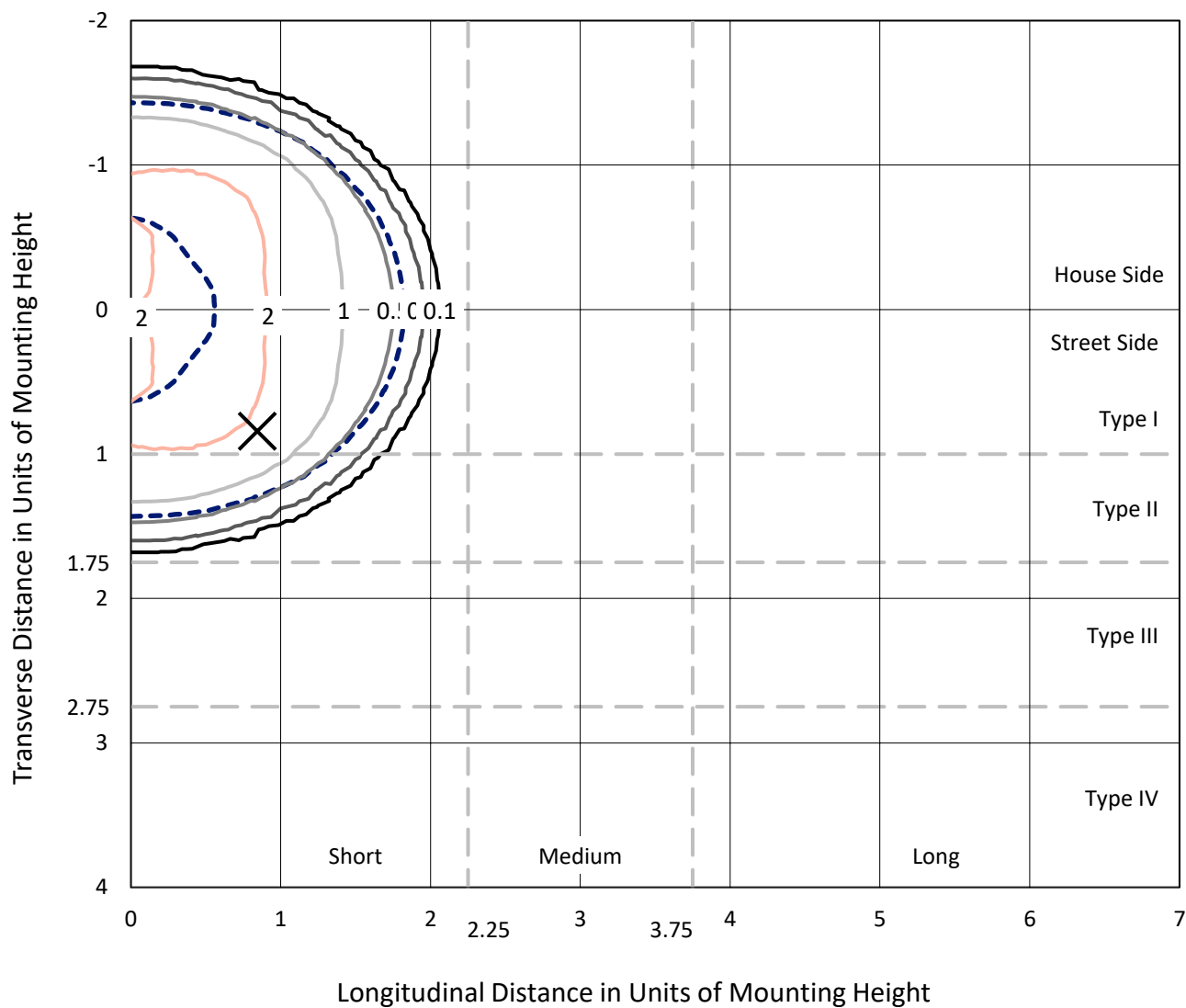
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

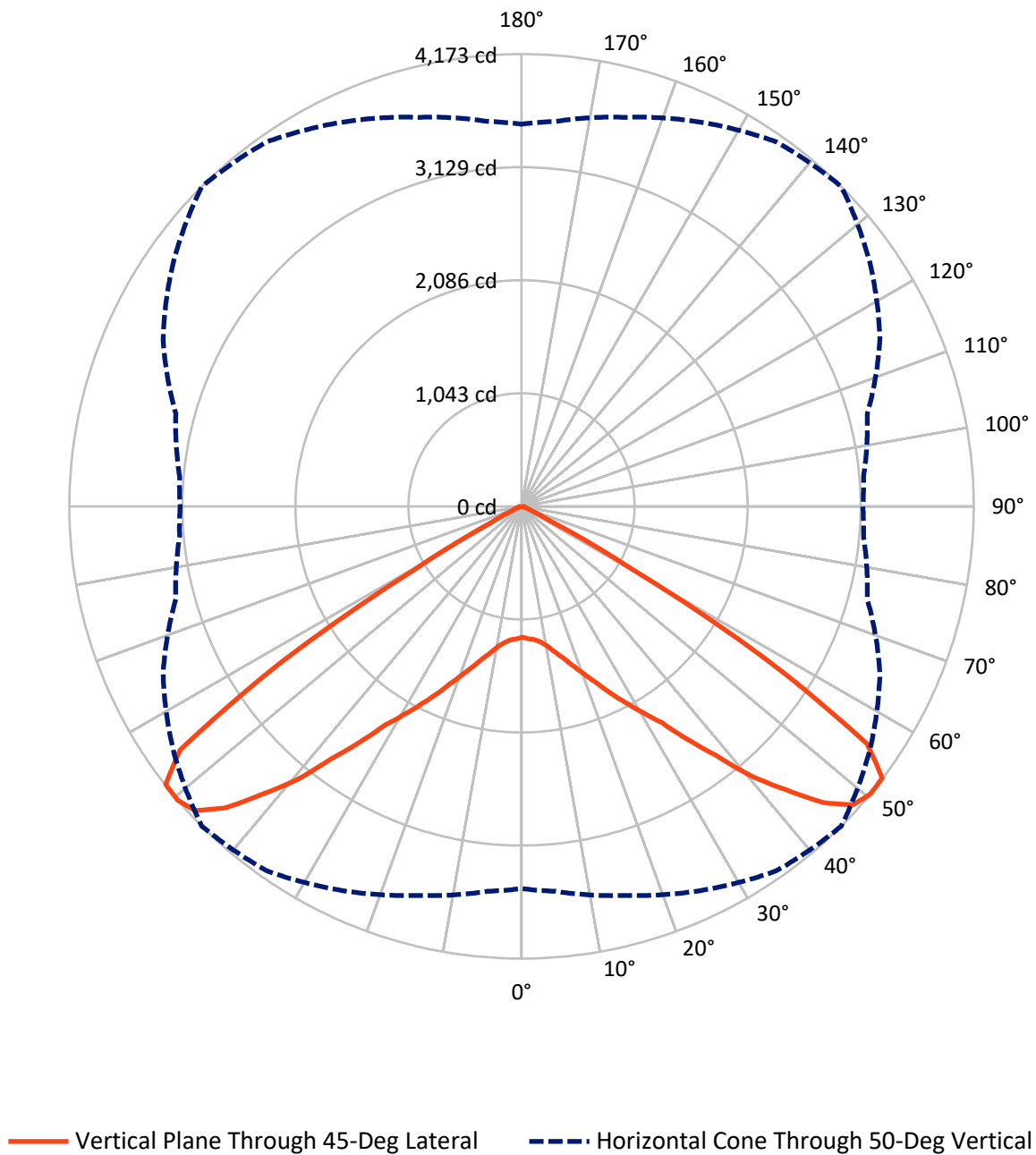


Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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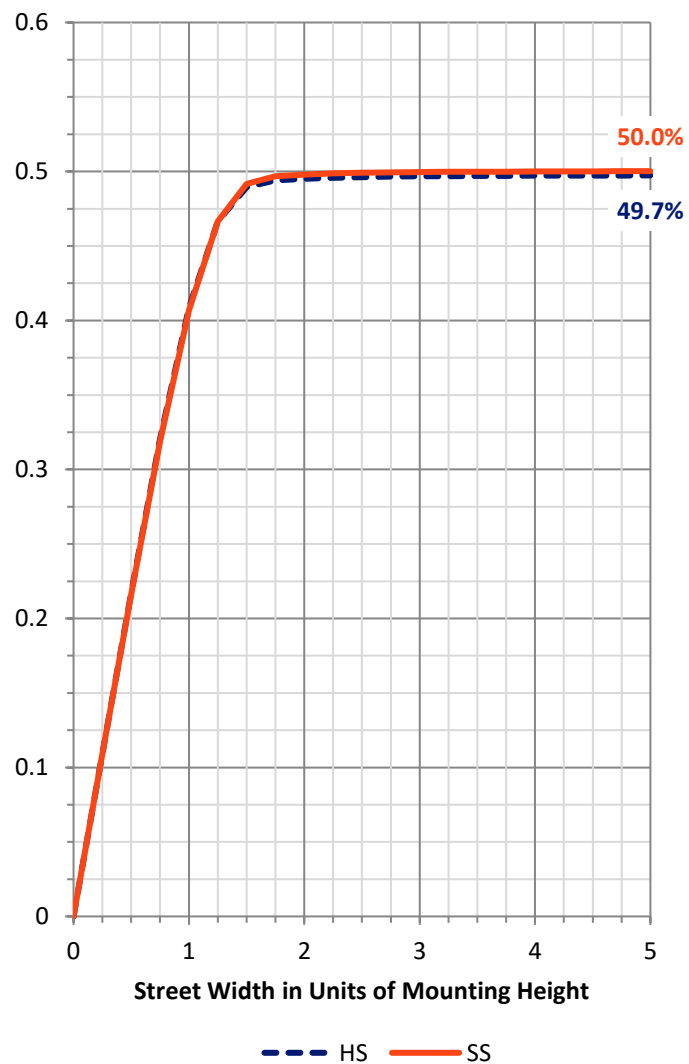
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4361.5	0.0	4361.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4361.5	0.0	4361.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8723.0	0.0	8723.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.3	1.4
10°-20°	414.7	4.8
20°-30°	846.9	9.7
30°-40°	1615.1	18.5
40°-50°	2721.6	31.2
50°-60°	2595.5	29.8
60°-70°	362.3	4.2
70°-80°	34.7	0.4
80°-90°	12.0	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°	8723.0	100.0
0°-180°	8723.0	100.0

Coefficient of Utilization



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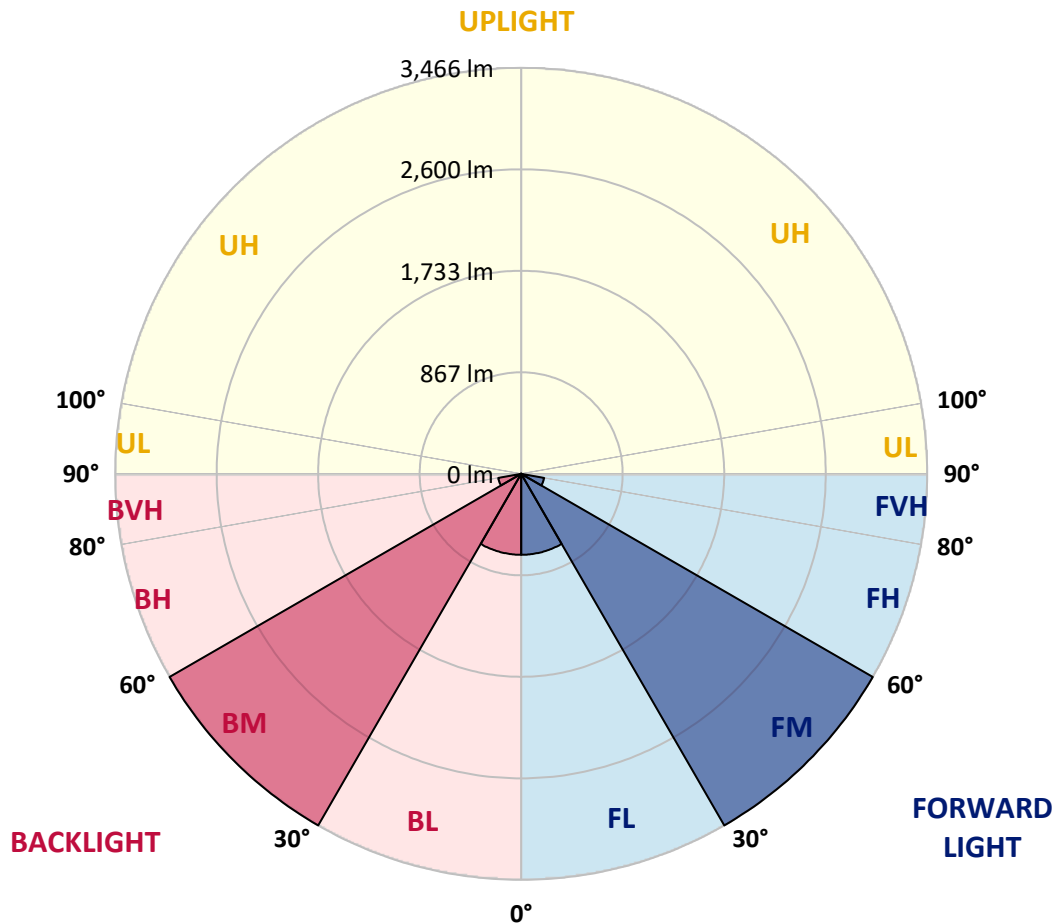
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	690.9	7.9			
FM	(30°-60°)	3466.1	39.7			
FH	(60°-80°)	198.5	2.3			G0/660
FVH	(80°-90°)	6.0	0.1			G0/10
BL	(0°-30°)	690.9	7.9	B2/1000		
BM	(30°-60°)	3466.1	39.7	B3/5000		
BH	(60°-80°)	198.5	2.3	B1/500		G0/660
BVH	(80°-90°)	6.0	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1204.9	1204.9	1203.5	1215.2	1209.3	1222.6	1221.1	1225.5	1229.9	1228.4	1240.2
5°	1194.7	1193.2	1193.2	1206.4	1219.6	1234.3	1247.5	1256.3	1271.0	1271.0	1285.7
7.5°	1204.9	1197.6	1207.9	1213.8	1238.7	1263.7	1285.7	1303.3	1337.0	1348.8	1344.4
10°	1207.9	1216.7	1224.0	1241.6	1272.5	1310.6	1329.7	1373.7	1411.9	1438.3	1444.2
12.5°	1227.0	1240.2	1260.7	1303.3	1331.2	1381.1	1407.5	1450.0	1502.9	1532.2	1552.8
15°	1263.7	1268.1	1294.5	1348.8	1408.9	1454.4	1495.5	1526.4	1577.7	1611.5	1613.0
17.5°	1310.6	1329.7	1366.4	1417.8	1480.9	1548.4	1580.7	1614.4	1633.5	1679.0	1689.3
20°	1404.5	1407.5	1442.7	1510.2	1589.5	1651.1	1674.6	1692.2	1684.9	1731.8	1740.6
22.5°	1492.6	1495.5	1539.6	1630.6	1715.7	1768.5	1778.8	1768.5	1746.5	1780.3	1783.2
25°	1582.1	1608.6	1640.8	1731.8	1837.5	1908.0	1909.4	1881.5	1836.0	1841.9	1856.6
27.5°	1721.6	1740.6	1774.4	1858.1	1974.0	2053.2	2040.0	2006.3	1947.6	1952.0	1947.6
30°	1884.5	1902.1	1930.0	2037.1	2122.2	2208.8	2227.9	2195.6	2107.6	2088.5	2110.5
32.5°	2081.1	2106.1	2157.5	2255.8	2327.7	2380.5	2393.7	2382.0	2299.8	2292.5	2307.2
35°	2320.4	2354.1	2401.1	2487.7	2546.4	2641.8	2641.8	2602.2	2527.3	2536.1	2534.6
37.5°	2572.8	2622.7	2696.1	2784.1	2863.4	2914.8	2898.6	2864.9	2790.0	2770.9	2790.0
40°	2889.8	2914.8	3007.2	3121.7	3218.6	3277.3	3208.3	3134.9	2955.9	2983.7	3035.1
42.5°	3178.9	3218.6	3289.0	3415.2	3525.3	3573.7	3491.6	3346.3	3130.5	3108.5	3146.7
45°	3425.5	3468.1	3560.5	3741.1	3857.0	3899.6	3717.6	3482.7	3236.2	3180.4	3196.6
47.5°	3589.9	3611.9	3741.1	3912.8	4018.4	4115.3	3854.1	3576.7	3286.1	3180.4	3174.5
50°	3526.8	3564.9	3716.1	3911.3	4103.6	4172.5	3923.0	3648.6	3302.2	3167.2	3149.6
52.5°	3132.0	3198.0	3366.8	3629.5	3920.1	4166.7	4018.4	3625.1	3296.4	3180.4	3206.8
55°	2179.5	2180.9	2386.4	2773.9	3287.5	3868.7	3879.0	3651.5	3334.5	3262.6	3264.1
57.5°	876.2	920.2	1077.3	1466.2	1940.2	2656.5	3158.4	3387.3	3338.9	3321.3	3366.8
60°	221.6	223.1	271.5	413.9	682.5	1138.9	1654.0	2238.2	2577.2	2693.1	2709.3
62.5°	113.0	114.5	126.2	146.8	186.4	305.3	543.0	861.5	1225.5	1410.4	1458.8
65°	92.5	92.5	99.8	110.1	111.5	117.4	140.9	201.1	292.1	331.7	336.1
67.5°	70.4	70.4	76.3	82.2	85.1	83.7	80.7	83.7	101.3	96.9	93.9
70°	44.0	45.5	48.4	54.3	57.2	58.7	60.2	63.1	71.9	74.9	71.9
72.5°	26.4	26.4	27.9	32.3	36.7	39.6	44.0	47.0	51.4	58.7	57.2
75°	11.7	11.7	14.7	19.1	23.5	27.9	32.3	36.7	39.6	44.0	45.5
77.5°	2.9	4.4	7.3	13.2	17.6	23.5	29.4	33.8	36.7	36.7	35.2
80°	1.5	1.5	5.9	10.3	19.1	25.0	32.3	35.2	39.6	36.7	32.3
82.5°	1.5	1.5	5.9	10.3	17.6	25.0	33.8	38.2	41.1	36.7	30.8
85°	0.0	1.5	4.4	8.8	14.7	17.6	14.7	10.3	5.9	5.9	4.4
87.5°	0.0	0.0	1.5	1.5	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)