

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: P533014

Luminaire Tested: **GALN-SA8B-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533014
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-SA8B-830-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 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: 31993 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 325
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

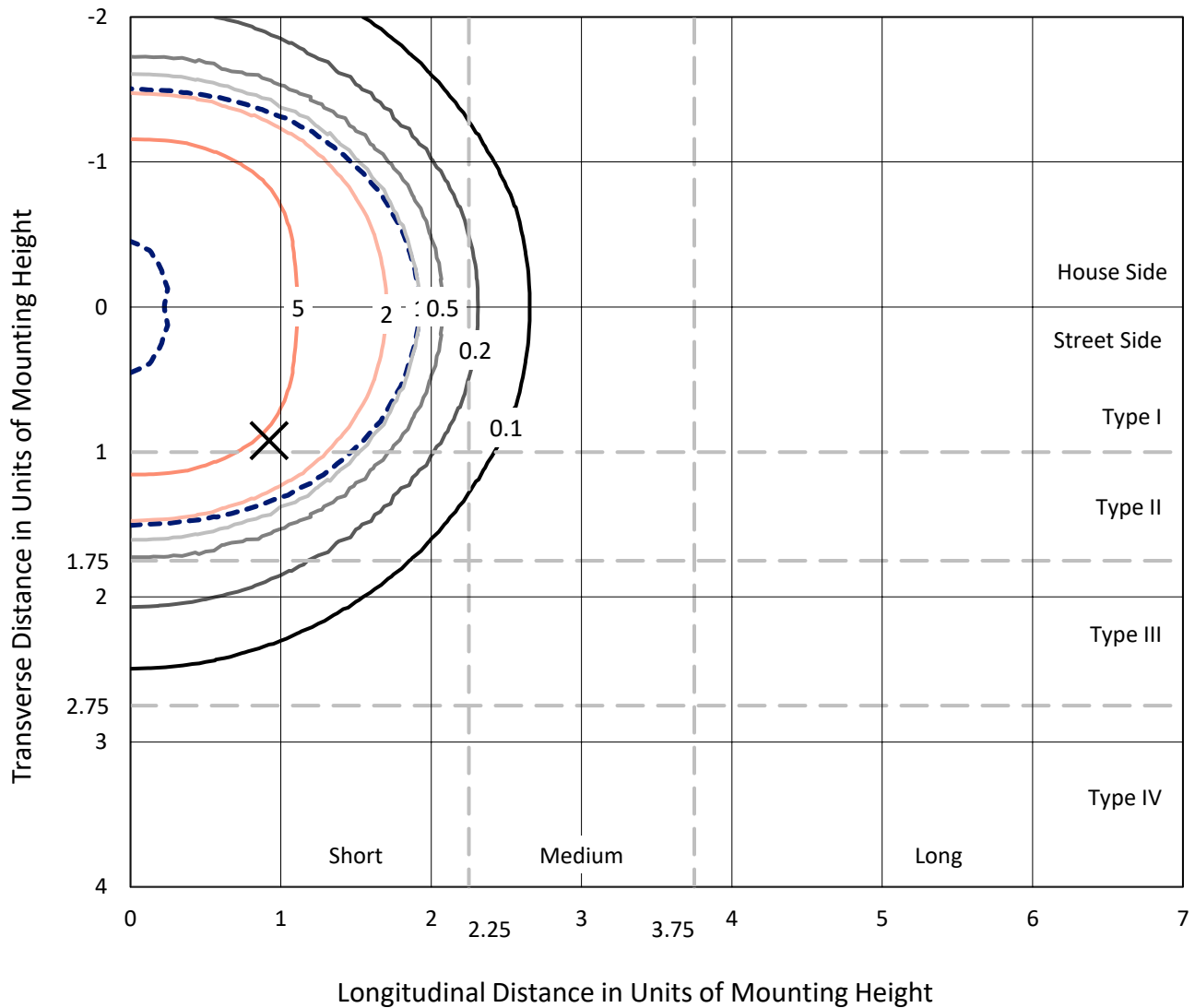


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

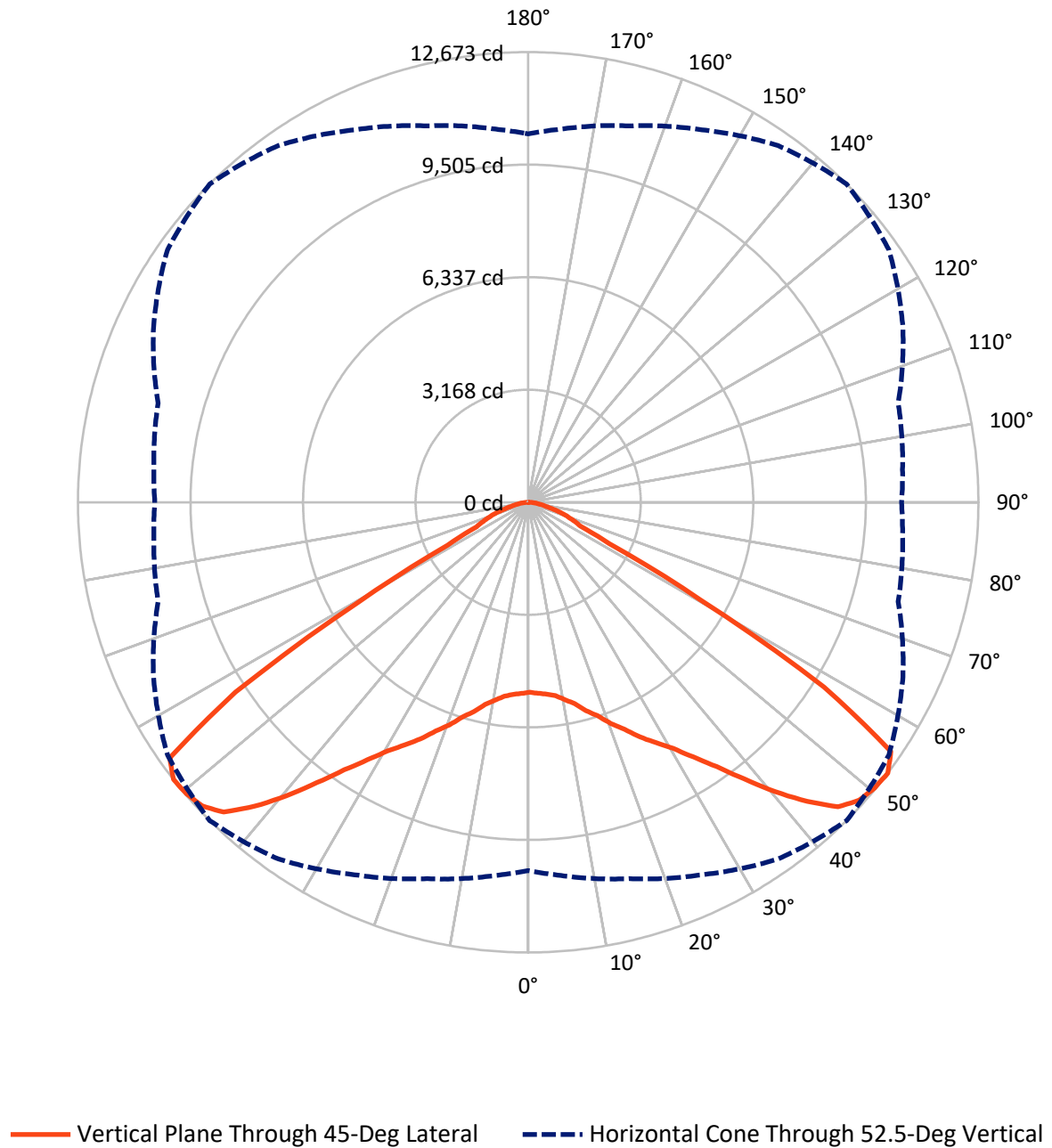


Based on 25 foot mounting height. Maximum calculated value = 9.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15996.5	0.0	15996.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15996.5	0.0	15996.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31993.0	0.0	31993.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	525.4	1.6
10°-20°	1726.5	5.4
20°-30°	3287.1	10.3
30°-40°	5644.1	17.6
40°-50°	8675.2	27.1
50°-60°	8809.5	27.5
60°-70°	2455.1	7.7
70°-80°	724.2	2.3
80°-90°	145.9	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°	31993.0	100.0
0°-180°	31993.0	100.0

Coefficient of Utilization



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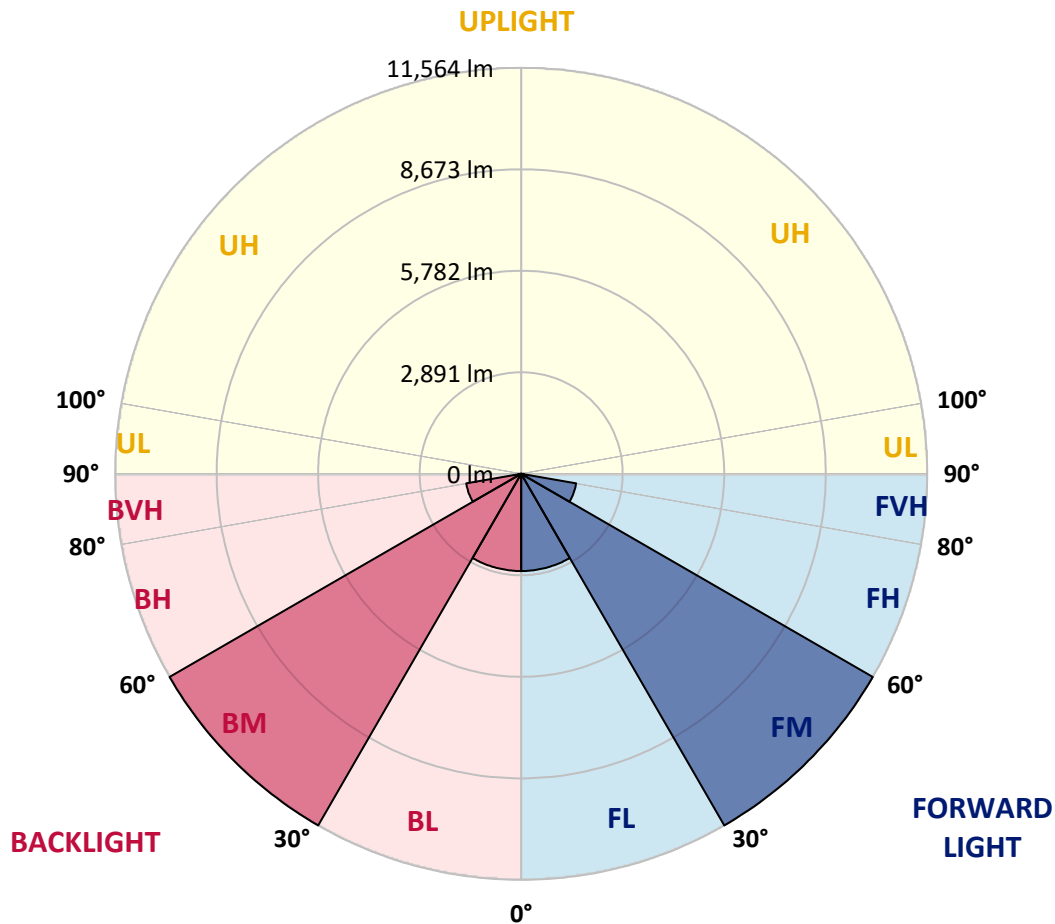
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2769.5	8.7			
FM	(30°-60°)	11564.4	36.1			
FH	(60°-80°)	1589.6	5.0			G1/1800
FVH	(80°-90°)	72.9	0.2			G1/100
BL	(0°-30°)	2769.5	8.7	B4/5000		
BM	(30°-60°)	11564.4	36.1	B5		
BH	(60°-80°)	1589.6	5.0	B3/2500		G1/1800
BVH	(80°-90°)	72.9	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5348.1	5348.1	5348.1	5348.1	5348.1	5348.1	5348.1	5348.1	5348.1	5348.1	5348.1
2.5°	5360.0	5304.4	5324.2	5336.1	5387.8	5383.8	5371.9	5387.8	5403.6	5407.6	5399.7
5°	5356.0	5316.3	5332.2	5344.1	5395.7	5423.5	5415.5	5483.0	5530.7	5518.8	5578.3
7.5°	5324.2	5348.1	5328.2	5387.8	5431.4	5498.9	5570.4	5633.9	5693.5	5761.0	5772.9
10°	5395.7	5395.7	5431.4	5479.1	5594.2	5645.8	5749.1	5840.4	5955.5	6034.9	6003.2
12.5°	5471.1	5483.0	5483.0	5606.1	5701.4	5816.6	5911.8	6034.9	6197.7	6293.0	6340.6
15°	5546.6	5554.5	5594.2	5761.0	5903.9	6086.5	6173.9	6285.1	6376.4	6555.0	6559.0
17.5°	5614.1	5657.7	5776.8	5963.5	6142.1	6316.8	6455.8	6570.9	6650.3	6721.8	6705.9
20°	5868.2	5899.9	6023.0	6209.6	6475.6	6646.4	6694.0	6713.8	6765.5	6908.4	6864.7
22.5°	6114.3	6126.2	6241.4	6527.2	6713.8	6940.2	6991.8	6979.9	6999.7	7035.4	7099.0
25°	6368.4	6388.3	6547.1	6789.3	7051.3	7321.3	7365.0	7273.7	7245.9	7285.6	7289.5
27.5°	6694.0	6698.0	6900.5	7110.9	7408.7	7662.8	7730.3	7658.8	7527.8	7559.5	7611.1
30°	7106.9	7079.1	7281.6	7583.4	7897.0	8039.9	8155.1	8119.4	7976.4	7948.6	7905.0
32.5°	7583.4	7591.3	7773.9	8103.5	8309.9	8548.1	8671.2	8611.7	8520.4	8472.7	8500.5
35°	8254.3	8290.1	8413.2	8687.1	9020.6	9139.7	9334.3	9207.2	8969.0	9028.6	9080.2
37.5°	8806.2	8909.4	9139.7	9465.3	9663.8	9882.2	9953.6	9782.9	9608.2	9536.8	9707.5
40°	9651.9	9620.1	9874.2	10199.8	10493.6	10712.0	10620.7	10449.9	10017.2	10021.1	10068.8
42.5°	10378.5	10394.4	10588.9	10978.0	11379.0	11514.0	11224.2	10807.3	10326.9	10275.2	10378.5
45°	10989.9	11053.4	11164.6	11684.7	12077.8	12224.7	11688.7	11196.4	10553.2	10338.8	10509.5
47.5°	11208.3	11311.5	11553.7	12030.1	12419.2	12538.3	12109.5	11402.8	10763.6	10414.2	10505.5
50°	11240.0	11204.3	11601.3	12038.1	12379.5	12637.6	12260.4	11553.7	10712.0	10529.3	10501.6
52.5°	10370.5	10545.2	10970.1	11569.6	12260.4	12673.3	12395.4	11637.1	10783.5	10577.0	10509.5
55°	8393.3	8186.8	8961.1	9969.5	11240.0	12387.5	12347.8	11680.7	10827.1	10656.4	10565.1
57.5°	4685.0	4744.6	5181.3	6277.1	7916.9	9822.6	10978.0	11220.2	10807.3	10708.0	10755.7
60°	2167.8	2187.7	2374.3	2886.4	3902.8	5570.4	7091.0	8635.5	9346.2	9489.1	9489.1
62.5°	1615.9	1608.0	1655.6	1747.0	1961.3	2560.9	3418.5	4645.3	5622.0	6304.9	6483.6
65°	1461.1	1457.1	1480.9	1512.7	1528.6	1612.0	1802.5	2179.7	2497.3	2680.0	2648.2
67.5°	1278.5	1274.5	1282.4	1302.3	1330.1	1373.7	1421.4	1500.8	1612.0	1604.0	1584.2
70°	1032.3	1032.3	1044.2	1060.1	1091.8	1143.5	1199.0	1254.6	1349.9	1369.8	1365.8
72.5°	762.3	750.4	774.2	806.0	837.7	901.3	960.8	1012.4	1079.9	1099.8	1091.8
75°	484.4	492.3	508.2	543.9	599.5	643.2	706.7	750.4	794.1	809.9	813.9
77.5°	270.0	277.9	305.7	349.4	405.0	452.6	508.2	543.9	571.7	575.7	579.7
80°	162.8	166.8	194.5	234.3	281.9	333.5	377.2	412.9	436.7	424.8	420.9
82.5°	99.3	103.2	127.1	162.8	202.5	242.2	289.8	321.6	345.4	329.5	313.7
85°	51.6	55.6	75.4	99.3	131.0	150.9	150.9	135.0	131.0	123.1	119.1
87.5°	15.9	15.9	19.9	23.8	19.9	23.8	27.8	31.8	31.8	35.7	31.8
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)