

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: P533924

Luminaire Tested: **GALN-SA9B-827-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533924
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-SA9B-827-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 2700K, 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: 33227 lumens
Efficiency: N/A
Efficacy: 91.3 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

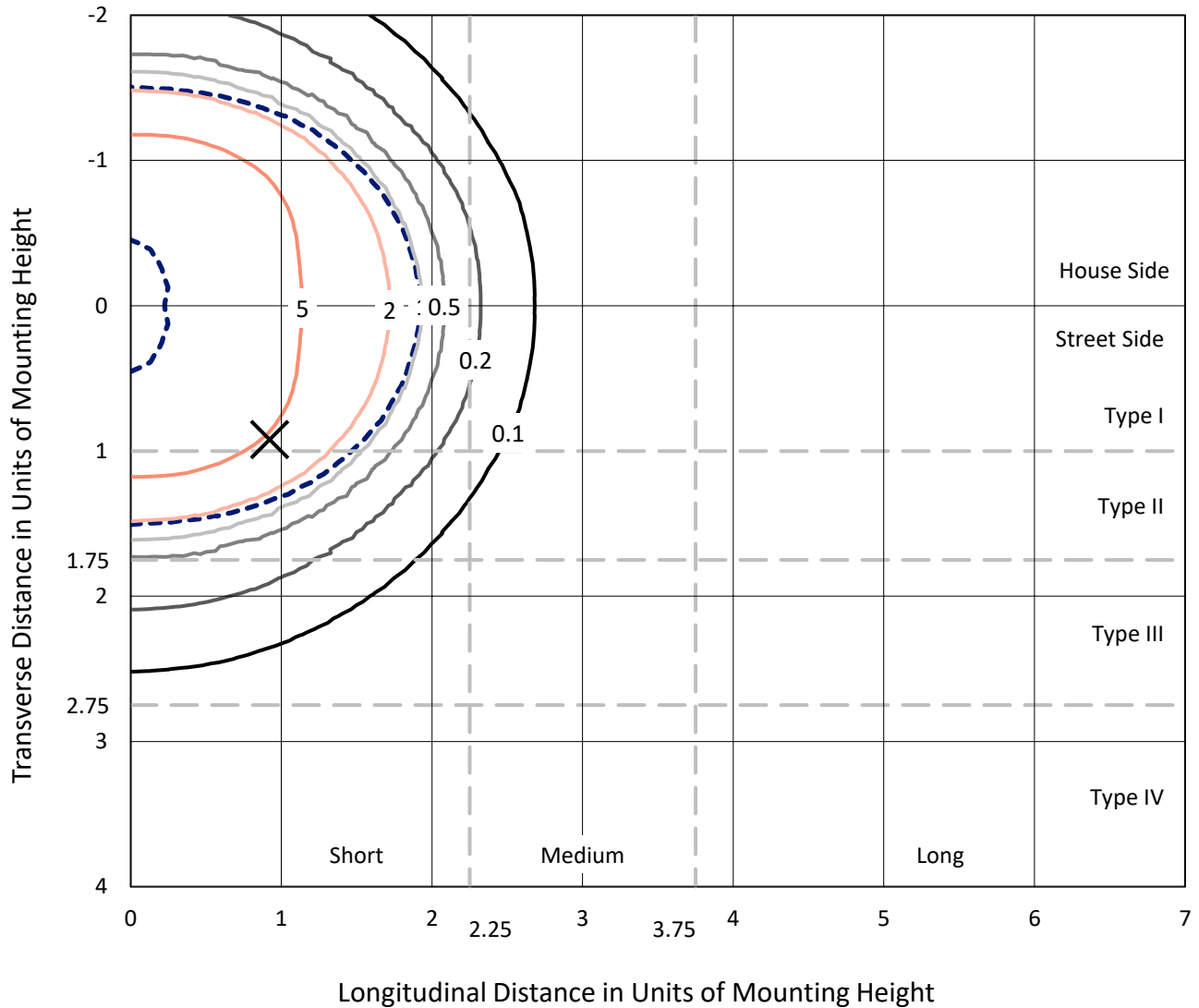
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

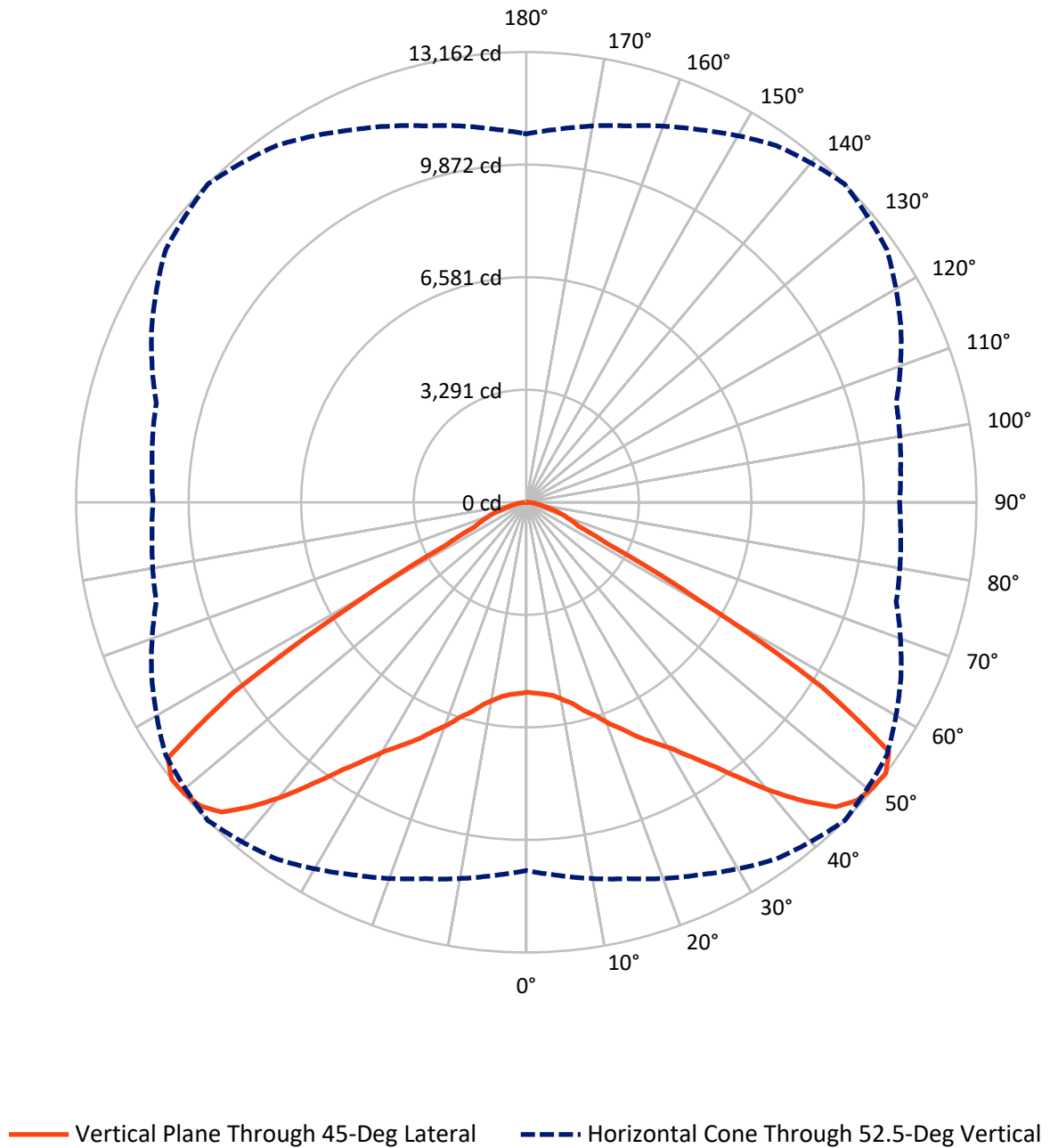
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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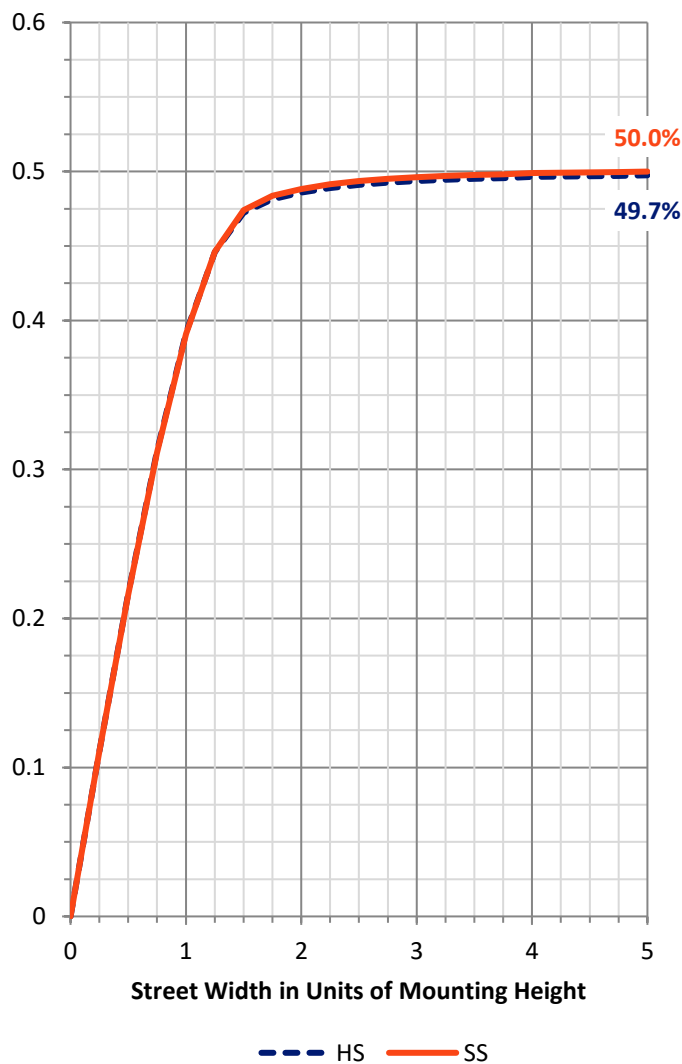
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16613.5	0.0	16613.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16613.5	0.0	16613.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	33227.0	0.0	33227.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	545.7	1.6
10°-20°	1793.1	5.4
20°-30°	3413.9	10.3
30°-40°	5861.8	17.6
40°-50°	9009.8	27.1
50°-60°	9149.3	27.5
60°-70°	2549.8	7.7
70°-80°	752.2	2.3
80°-90°	151.5	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°	33227.0	100.0
0°-180°	33227.0	100.0

Coefficient of Utilization



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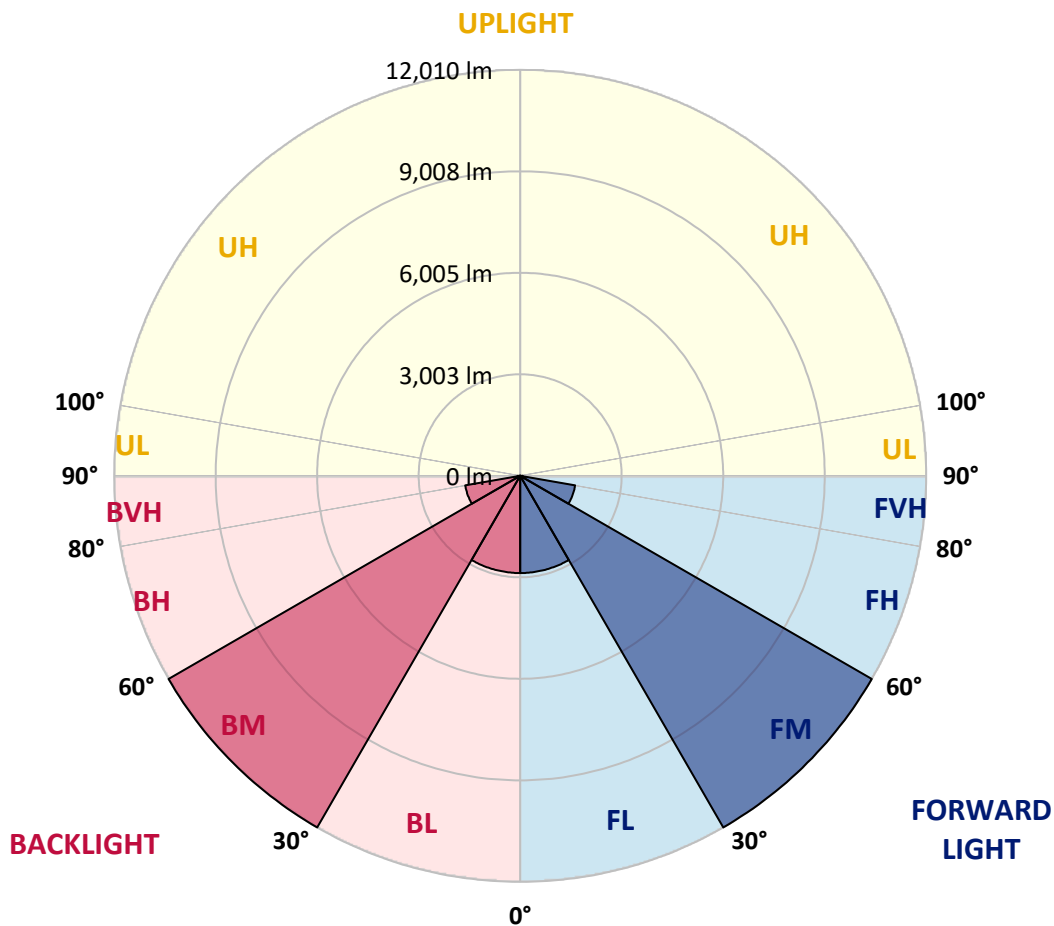
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2876.3	8.7			
FM (30°-60°)	12010.4	36.1			
FH (60°-80°)	1651.0	5.0			G1/1800
FVH (80°-90°)	75.7	0.2			G1/100
BL (0°-30°)	2876.3	8.7	B4/5000		
BM (30°-60°)	12010.4	36.1	B5		
BH (60°-80°)	1651.0	5.0	B3/2500		G1/1800
BVH (80°-90°)	75.7	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°	5554.3	5554.3	5554.3	5554.3	5554.3	5554.3	5554.3	5554.3	5554.3	5554.3	5554.3
2.5°	5566.7	5509.0	5529.6	5542.0	5595.6	5591.4	5579.1	5595.6	5612.1	5616.2	5607.9
5°	5562.6	5521.3	5537.8	5550.2	5603.8	5632.7	5624.4	5694.5	5744.0	5731.6	5793.5
7.5°	5529.6	5554.3	5533.7	5595.6	5640.9	5711.0	5785.2	5851.2	5913.1	5983.2	5995.5
10°	5603.8	5603.8	5640.9	5690.4	5810.0	5863.6	5970.8	6065.6	6185.2	6267.7	6234.7
12.5°	5682.2	5694.5	5694.5	5822.4	5921.3	6040.9	6139.9	6267.7	6436.8	6535.7	6585.2
15°	5760.5	5768.8	5810.0	5983.2	6131.6	6321.3	6412.0	6527.5	6622.3	6807.9	6812.0
17.5°	5830.6	5876.0	5999.7	6193.5	6379.0	6560.5	6704.8	6824.4	6906.8	6981.1	6964.6
20°	6094.5	6127.5	6255.3	6449.1	6725.4	6902.7	6952.2	6972.8	7026.4	7174.9	7129.5
22.5°	6350.2	6362.5	6482.1	6779.0	6972.8	7207.8	7261.5	7249.1	7269.7	7306.8	7372.8
25°	6614.1	6634.7	6799.6	7051.2	7323.3	7603.7	7649.1	7554.2	7525.4	7566.6	7570.7
27.5°	6952.2	6956.3	7166.6	7385.2	7694.4	7958.3	8028.4	7954.2	7818.1	7851.1	7904.7
30°	7381.0	7352.2	7562.5	7875.9	8201.6	8350.1	8469.6	8432.5	8284.1	8255.2	8209.9
32.5°	7875.9	7884.1	8073.8	8416.0	8630.4	8877.9	9005.7	8943.8	8849.0	8799.5	8828.4
35°	8572.7	8609.8	8737.7	9022.2	9368.6	9492.3	9694.3	9562.4	9314.9	9376.8	9430.4
37.5°	9145.9	9253.1	9492.3	9830.4	10036.6	10263.3	10337.6	10160.3	9978.8	9904.6	10081.9
40°	10024.2	9991.2	10255.1	10593.2	10898.4	11125.2	11030.3	10853.0	10403.5	10407.7	10457.2
42.5°	10778.8	10795.3	10997.3	11401.4	11817.9	11958.1	11657.1	11224.1	10725.2	10671.6	10778.8
45°	11413.8	11479.8	11595.2	12135.4	12543.6	12696.2	12139.5	11628.2	10960.2	10737.5	10914.9
47.5°	11640.6	11747.8	11999.3	12494.2	12898.3	13022.0	12576.6	11842.6	11178.8	10815.9	10910.7
50°	11673.6	11636.5	12048.8	12502.4	12857.0	13125.0	12733.3	11999.3	11125.2	10935.5	10906.6
52.5°	10770.5	10952.0	11393.2	12015.8	12733.3	13162.2	12873.5	12085.9	11199.4	10985.0	10914.9
55°	8717.0	8502.6	9306.7	10354.1	11673.6	12865.3	12824.0	12131.3	11244.7	11067.4	10972.6
57.5°	4865.7	4927.6	5381.1	6519.2	8222.2	10201.5	11401.4	11653.0	11224.1	11121.0	11170.5
60°	2251.4	2272.0	2465.8	2997.8	4053.4	5785.2	7364.5	8968.6	9706.7	9855.1	9855.1
62.5°	1678.3	1670.0	1719.5	1814.3	2037.0	2659.6	3550.3	4824.5	5838.9	6548.1	6733.6
65°	1517.4	1513.3	1538.1	1571.0	1587.5	1674.1	1872.1	2263.8	2593.7	2783.4	2750.4
67.5°	1327.8	1323.6	1331.9	1352.5	1381.4	1426.7	1476.2	1558.7	1674.1	1665.9	1645.3
70°	1072.1	1072.1	1084.5	1101.0	1134.0	1187.6	1245.3	1303.0	1402.0	1422.6	1418.5
72.5°	791.7	779.3	804.1	837.1	870.1	936.0	997.9	1051.5	1121.6	1142.2	1134.0
75°	503.1	511.3	527.8	564.9	622.6	668.0	734.0	779.3	824.7	841.2	845.3
77.5°	280.4	288.6	317.5	362.9	420.6	470.1	527.8	564.9	593.8	597.9	602.0
80°	169.1	173.2	202.1	243.3	292.8	346.4	391.7	428.8	453.6	441.2	437.1
82.5°	103.1	107.2	132.0	169.1	210.3	251.5	301.0	334.0	358.7	342.2	325.8
85°	53.6	57.7	78.3	103.1	136.1	156.7	156.7	140.2	136.1	127.8	123.7
87.5°	16.5	16.5	20.6	24.7	20.6	24.7	28.9	33.0	33.0	37.1	33.0
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)