

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: P647047

Luminaire Tested: **GALN-SA7C-835-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647047
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-SA7C-835-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3500K, 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: 33596.2 lumens
Efficiency: N/A
Efficacy: 89.1 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

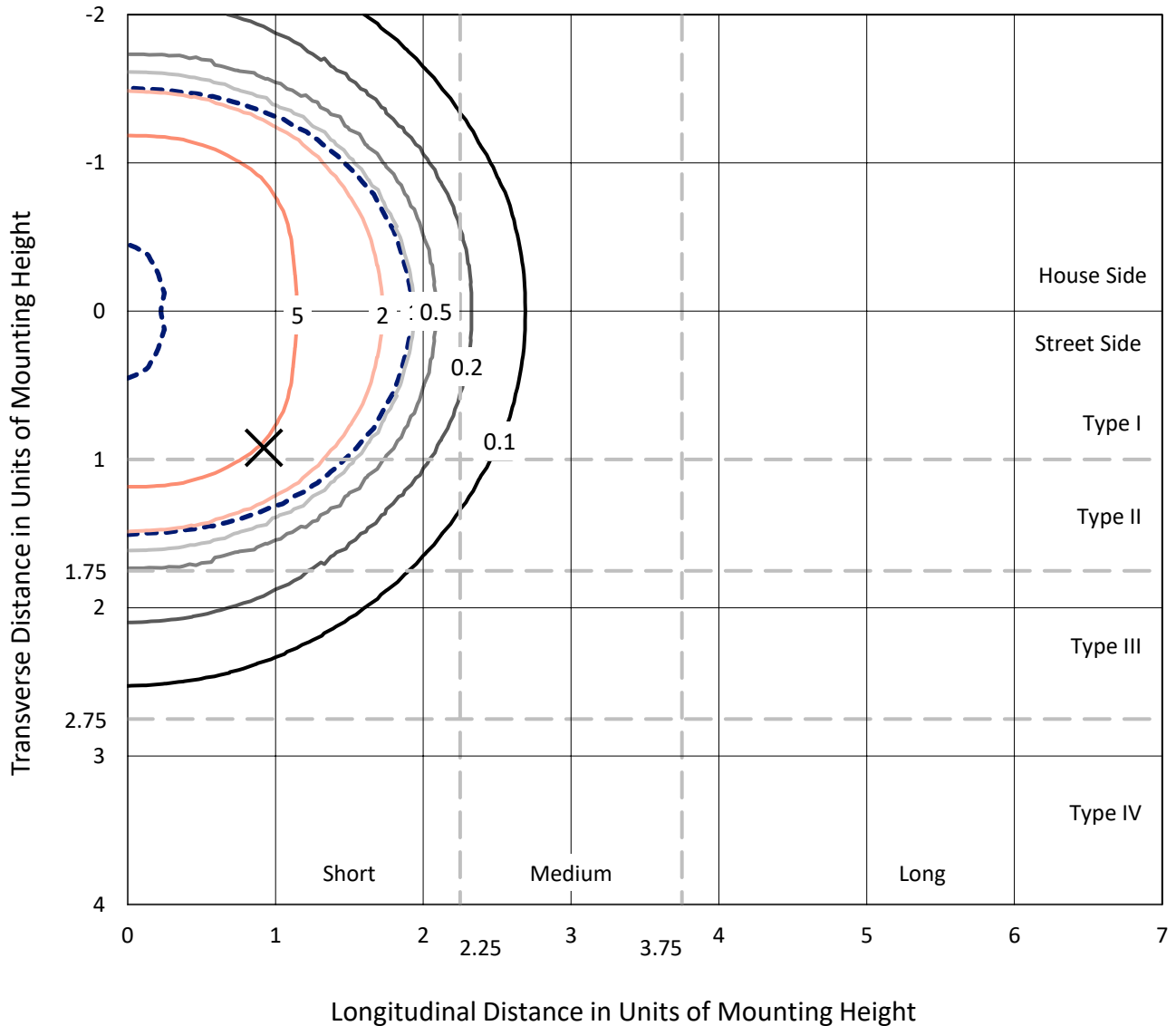
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

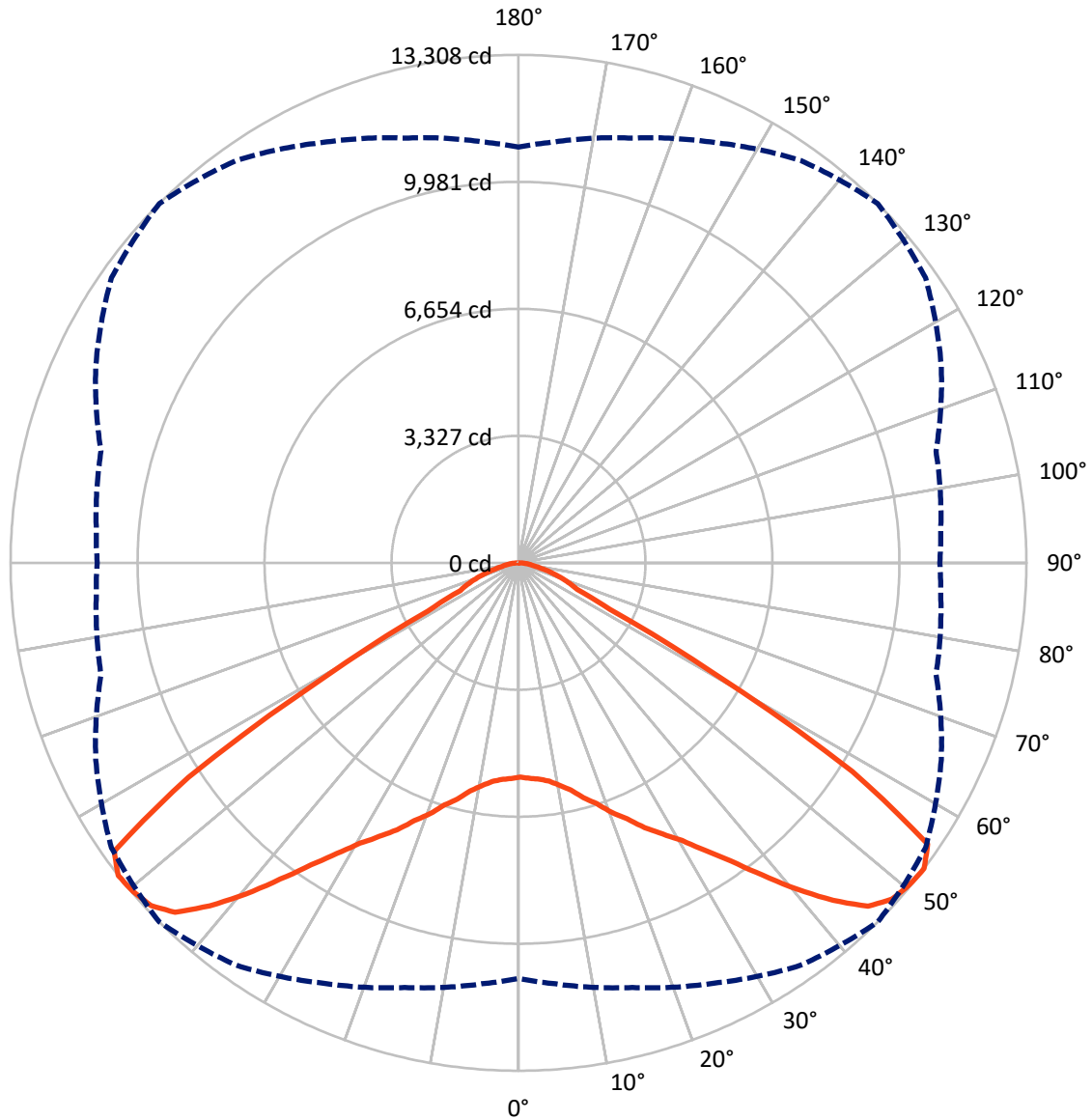
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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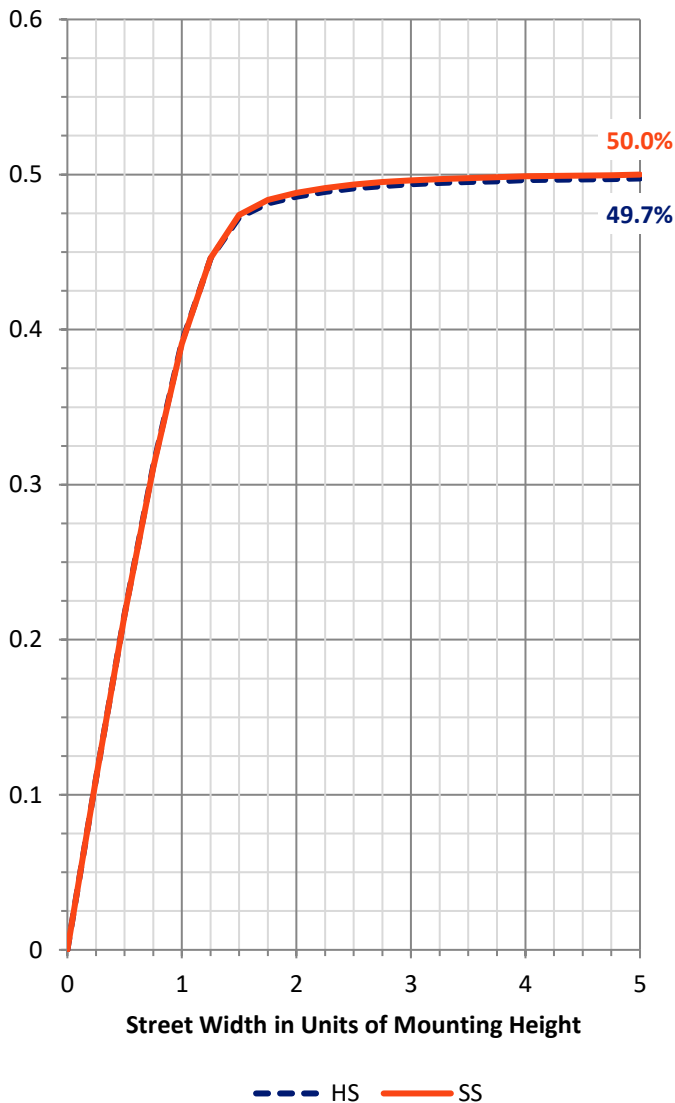
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16798.1	0.0	16798.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16798.1	0.0	16798.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	33596.2	0.0	33596.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	551.8	1.6
10°-20°	1813.0	5.4
20°-30°	3451.8	10.3
30°-40°	5927.0	17.6
40°-50°	9109.9	27.1
50°-60°	9250.9	27.5
60°-70°	2578.1	7.7
70°-80°	760.5	2.3
80°-90°	153.2	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°	33596.2	100.0
0°-180°	33596.2	100.0

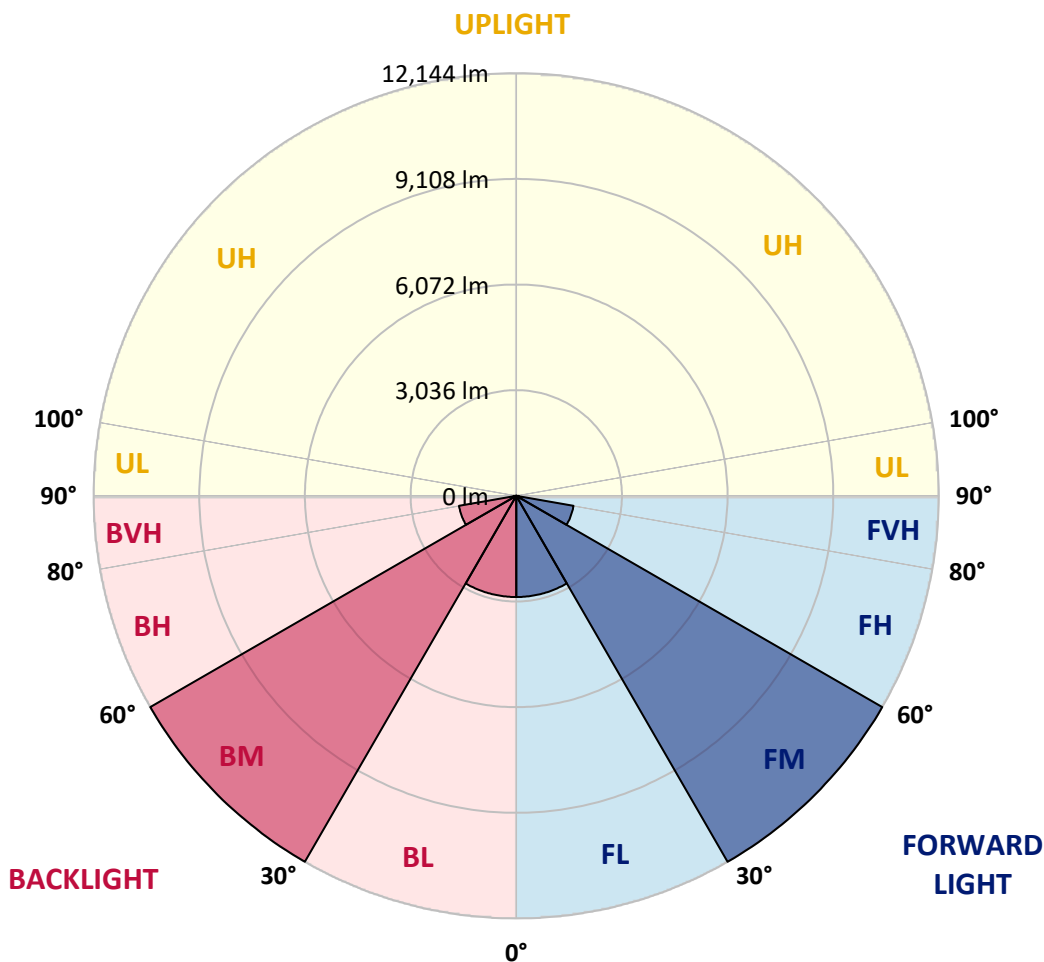


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2908.3	8.7			
FM (30°-60°)	12143.9	36.1			
FH (60°-80°)	1669.3	5.0			G1/1800
FVH (80°-90°)	76.6	0.2			G1/100
BL (0°-30°)	2908.3	8.7	B4/5000		
BM (30°-60°)	12143.9	36.1	B5		
BH (60°-80°)	1669.3	5.0	B3/2500		G1/1800
BVH (80°-90°)	76.6	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°	5616.1	5616.1	5616.1	5616.1	5616.1	5616.1	5616.1	5616.1	5616.1	5616.1	5616.1
2.5°	5628.5	5570.2	5591.0	5603.5	5657.7	5653.6	5641.0	5657.7	5674.4	5678.6	5670.3
5°	5624.4	5582.7	5599.4	5611.8	5666.1	5695.2	5686.9	5757.8	5807.8	5795.3	5857.9
7.5°	5591.0	5616.1	5595.2	5657.7	5703.6	5774.5	5849.6	5916.3	5978.8	6049.6	6062.1
10°	5666.1	5666.1	5703.6	5753.6	5874.5	5928.7	6037.2	6133.0	6254.0	6337.4	6304.0
12.5°	5745.3	5757.8	5757.8	5887.1	5987.1	6108.0	6208.1	6337.4	6508.3	6608.4	6658.4
15°	5824.5	5832.9	5874.5	6049.6	6199.7	6391.6	6483.2	6600.0	6695.9	6883.5	6887.7
17.5°	5895.4	5941.2	6066.3	6262.3	6449.9	6633.3	6779.3	6900.2	6983.6	7058.6	7041.9
20°	6162.2	6195.6	6324.8	6520.7	6800.1	6979.4	7029.5	7050.3	7104.5	7254.6	7208.7
22.5°	6420.8	6433.2	6554.1	6854.3	7050.3	7287.9	7342.1	7329.7	7350.5	7388.0	7454.7
25°	6687.5	6708.4	6875.2	7129.5	7404.7	7688.2	7734.1	7638.2	7609.0	7650.7	7654.8
27.5°	7029.5	7033.6	7246.3	7467.2	7779.9	8046.7	8117.6	8042.6	7905.0	7938.4	7992.6
30°	7463.0	7433.9	7646.5	7963.3	8292.8	8442.9	8563.7	8526.2	8376.1	8346.9	8301.1
32.5°	7963.3	7971.7	8163.5	8509.6	8726.4	8976.5	9105.7	9043.2	8947.3	8897.3	8926.4
35°	8668.0	8705.5	8834.7	9122.4	9472.7	9597.7	9802.0	9668.6	9418.5	9481.0	9535.2
37.5°	9247.5	9355.9	9597.7	9939.6	10148.1	10377.4	10452.4	10273.1	10089.7	10014.6	10194.0
40°	10135.5	10102.2	10369.0	10710.9	11019.5	11248.7	11152.9	10973.6	10519.1	10523.3	10573.3
42.5°	10898.6	10915.3	11119.5	11528.1	11949.2	12090.9	11786.6	11348.8	10844.3	10790.1	10898.6
45°	11540.6	11607.3	11724.1	12270.2	12683.0	12837.3	12274.4	11757.4	11082.0	10856.8	11036.2
47.5°	11769.9	11878.3	12132.7	12633.0	13041.6	13166.6	12716.4	11974.3	11303.0	10936.1	11032.0
50°	11803.3	11765.7	12182.7	12641.3	12999.8	13270.9	12874.8	12132.7	11248.7	11057.0	11027.8
52.5°	10890.2	11073.7	11519.8	12149.3	12874.8	13308.4	13016.5	12220.2	11323.8	11107.0	11036.2
55°	8813.9	8597.1	9410.1	10469.1	11803.3	13008.2	12966.5	12266.1	11369.7	11190.4	11094.5
57.5°	4919.7	4982.3	5440.9	6591.7	8313.6	10314.9	11528.1	11782.4	11348.8	11244.6	11294.6
60°	2276.4	2297.3	2493.2	3031.1	4098.5	5849.6	7446.3	9068.2	9814.5	9964.6	9964.6
62.5°	1696.9	1688.5	1738.6	1834.5	2059.6	2689.2	3589.7	4878.1	5903.7	6620.8	6808.5
65°	1534.3	1530.1	1555.1	1588.5	1605.2	1692.8	1892.8	2288.9	2622.5	2814.3	2780.9
67.5°	1342.5	1338.4	1346.7	1367.5	1396.7	1442.6	1492.6	1576.0	1692.8	1684.4	1663.6
70°	1084.0	1084.0	1096.5	1113.2	1146.5	1200.7	1259.1	1317.5	1417.5	1438.4	1434.2
72.5°	800.5	788.0	813.0	846.3	879.7	946.4	1009.0	1063.2	1134.0	1154.9	1146.5
75°	508.6	517.0	533.7	571.2	629.5	675.4	742.1	788.0	833.9	850.6	854.7
77.5°	283.5	291.8	321.0	366.9	425.2	475.3	533.7	571.2	600.4	604.6	608.7
80°	170.9	175.1	204.3	246.0	296.1	350.2	396.1	433.6	458.6	446.2	441.9
82.5°	104.2	108.4	133.4	170.9	212.7	254.3	304.4	337.7	362.8	346.1	329.4
85°	54.2	58.3	79.2	104.2	137.6	158.4	158.4	141.7	137.6	129.3	125.0
87.5°	16.7	16.7	20.8	25.0	20.8	25.0	29.2	33.4	33.4	37.5	33.4
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)