

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: P648643

Luminaire Tested: **GALN-SA9B-835-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P648643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9B-835-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41672.8 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

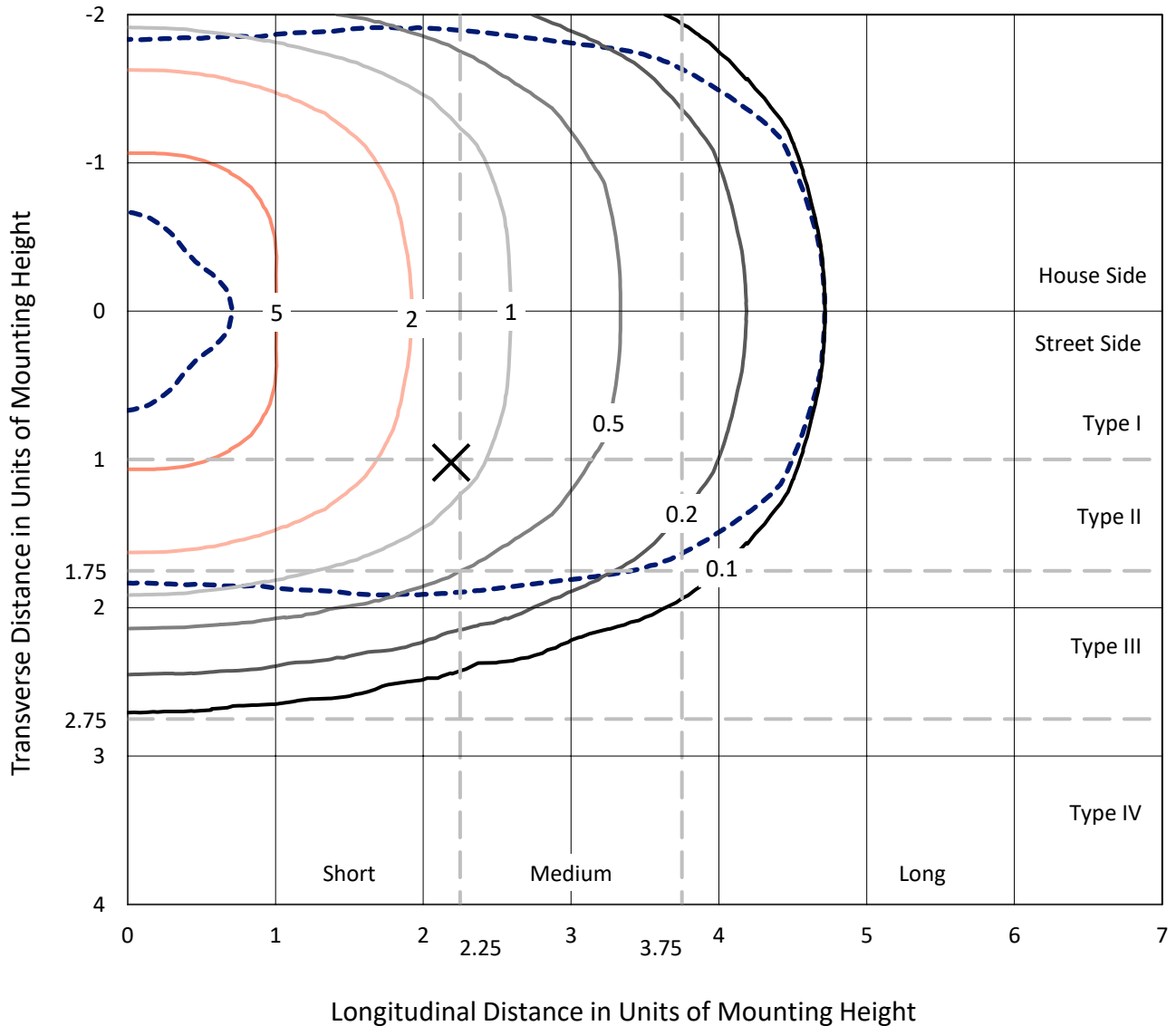
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

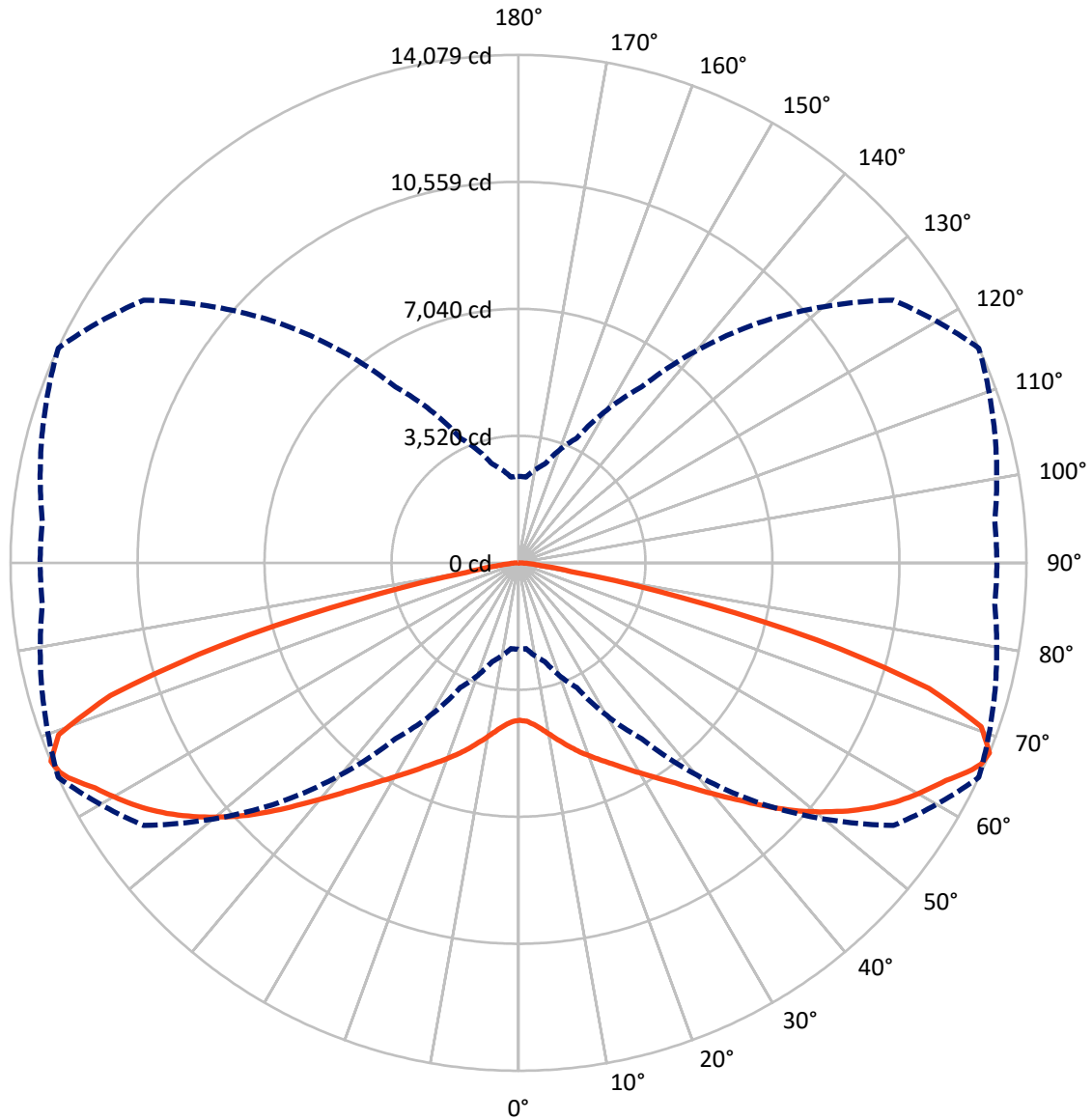
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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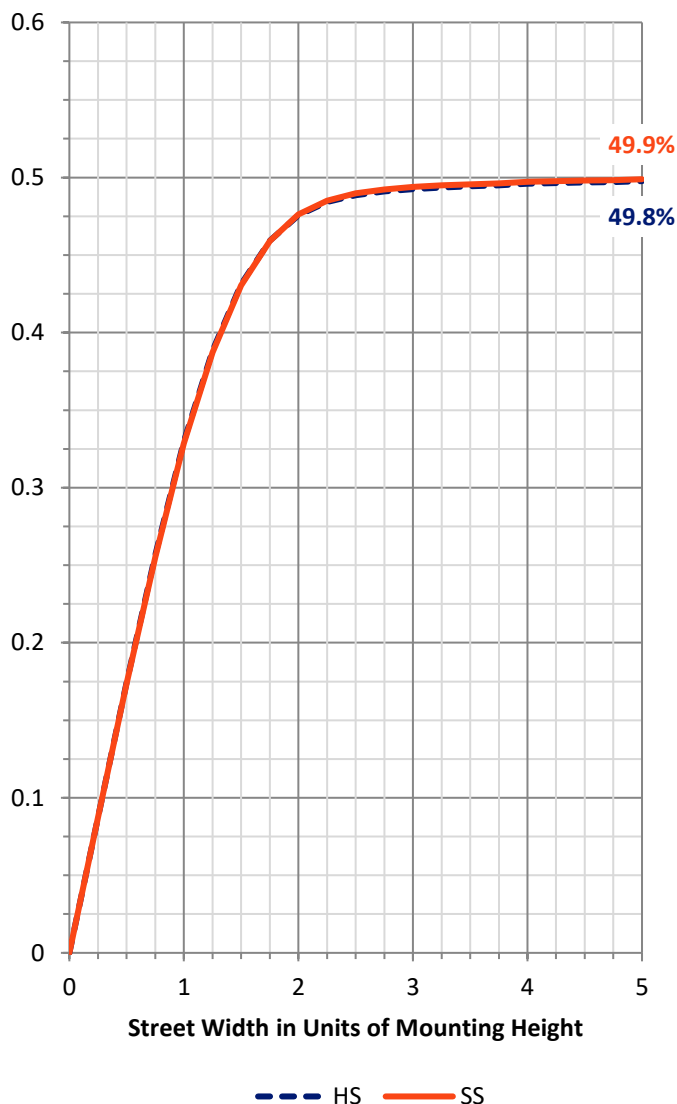
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20836.4	0.0	20836.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20836.4	0.0	20836.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	41672.8	0.0	41672.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.5	1.0
10°-20°	1440.8	3.5
20°-30°	2818.3	6.8
30°-40°	4793.6	11.5
40°-50°	7586.9	18.2
50°-60°	10060.1	24.1
60°-70°	9489.7	22.8
70°-80°	4691.3	11.3
80°-90°	361.5	0.9
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°	41672.8	100.0
0°-180°	41672.8	100.0

Coefficient of Utilization

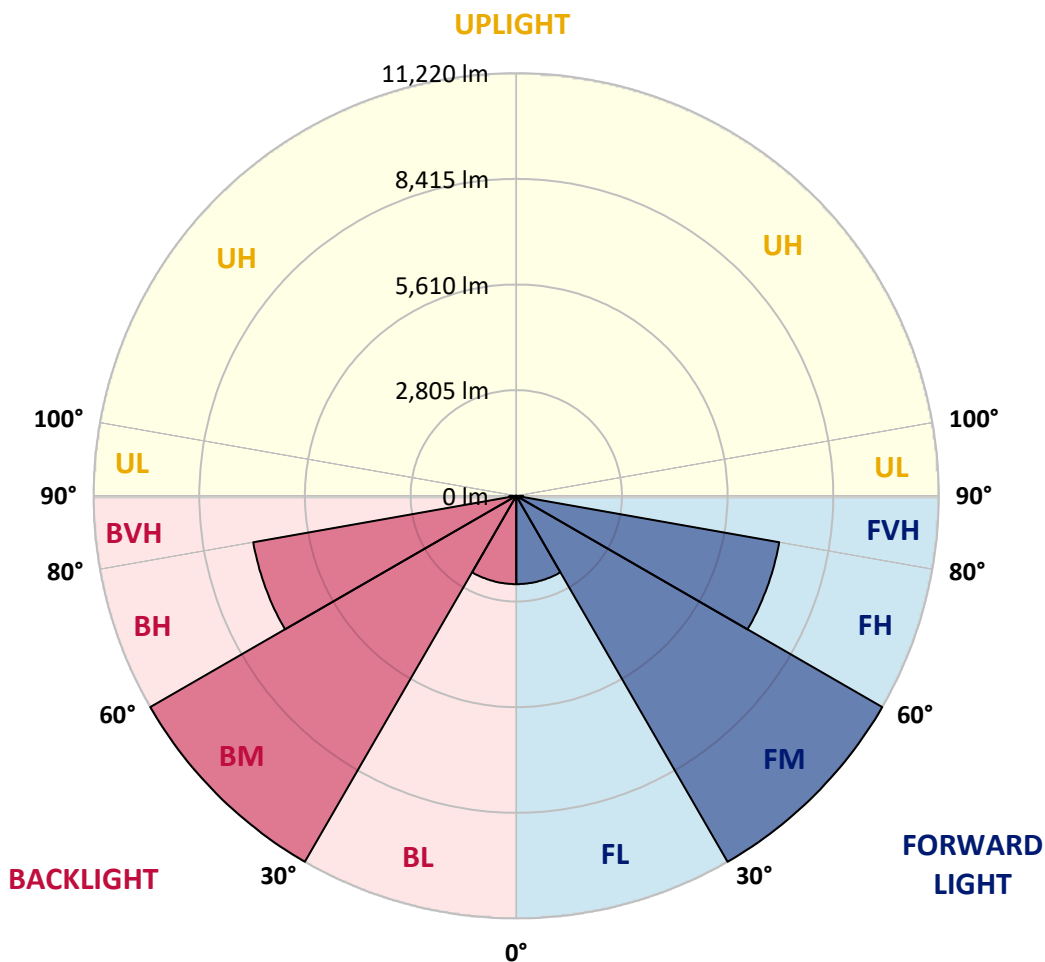


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2344.8	5.6			
FM (30°-60°)	11220.3	26.9			
FH (60°-80°)	7090.5	17.0			G3/7500
FVH (80°-90°)	180.8	0.4			G2/225
BL (0°-30°)	2344.8	5.6	B3/2500		
BM (30°-60°)	11220.3	26.9	B5		
BH (60°-80°)	7090.5	17.0	B5		G5
BVH (80°-90°)	180.8	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4364.8	4364.8	4364.8	4364.8	4364.8	4364.8	4364.8	4364.8	4364.8	4364.8	4364.8
2.5°	4342.5	4347.0	4351.4	4358.2	4367.1	4380.5	4389.4	4396.2	4414.0	4416.2	4414.0
5°	4326.9	4331.4	4342.5	4362.6	4391.7	4431.9	4463.1	4501.1	4530.0	4550.2	4545.7
7.5°	4324.7	4333.6	4351.4	4393.9	4449.7	4518.9	4590.3	4655.1	4710.9	4755.6	4748.9
10°	4360.4	4371.6	4400.6	4463.1	4550.2	4650.6	4751.1	4847.1	4927.5	4985.5	5005.6
12.5°	4420.7	4429.6	4483.2	4576.9	4702.0	4827.0	4940.9	5059.2	5170.9	5269.1	5269.1
15°	4525.6	4541.2	4608.2	4744.4	4898.4	5043.6	5159.7	5284.7	5405.3	5516.9	5550.4
17.5°	4670.8	4693.1	4793.5	4967.7	5164.1	5298.1	5407.6	5510.2	5615.1	5722.3	5738.0
20°	4869.5	4891.8	5025.8	5235.6	5467.8	5628.5	5702.2	5726.8	5778.1	5880.9	5894.3
22.5°	5139.6	5161.9	5311.5	5548.2	5807.2	5981.3	6012.6	5954.5	5941.1	6021.5	6030.4
25°	5445.5	5465.6	5637.4	5892.0	6159.9	6349.7	6340.7	6197.9	6117.5	6166.6	6180.0
27.5°	5789.3	5818.3	5992.5	6255.9	6546.2	6713.6	6686.8	6479.2	6307.3	6298.4	6302.8
30°	6229.2	6260.4	6425.6	6677.9	6963.7	7117.7	7062.0	6782.8	6517.1	6427.9	6427.9
32.5°	6693.6	6771.7	6939.1	7202.6	7425.8	7537.5	7452.7	7117.7	6765.0	6639.9	6633.3
35°	7298.6	7341.0	7506.2	7763.0	7930.5	8017.5	7854.5	7495.0	7088.7	6941.4	6921.3
37.5°	7890.2	7926.0	8118.0	8363.5	8566.7	8562.3	8341.2	7943.8	7490.6	7325.4	7312.0
40°	8495.3	8533.2	8752.1	8977.6	9180.8	9162.8	8895.0	8450.6	7968.4	7783.1	7818.8
42.5°	9020.0	9062.4	9310.2	9631.7	9814.8	9810.4	9500.0	8999.9	8497.5	8332.3	8363.5
45°	9497.8	9535.7	9823.8	10192.2	10460.0	10493.5	10154.2	9625.0	9109.3	8897.2	8906.1
47.5°	9834.9	9906.4	10207.7	10629.7	10993.6	11111.9	10779.3	10261.3	9667.5	9446.4	9459.8
50°	10091.6	10136.3	10464.5	10944.5	11404.5	11650.0	11382.2	10850.7	10225.6	9991.2	10022.4
52.5°	10122.9	10176.5	10533.7	11087.4	11676.9	12049.7	11918.0	11426.8	10794.9	10553.8	10620.8
55°	9868.4	9899.6	10326.0	10998.1	11784.0	12346.7	12380.1	11962.6	11337.4	11154.4	11199.0
57.5°	9142.8	9223.1	9763.5	10580.6	11636.6	12505.1	12726.2	12449.3	11886.7	11705.8	11777.3
60°	7952.8	8033.1	8575.7	9611.6	11080.7	12431.5	13012.0	12880.3	12384.6	12239.5	12277.4
62.5°	6231.3	6224.7	6896.7	8167.1	9975.6	12069.8	13224.1	13295.5	12875.8	12692.7	12750.8
65°	4038.9	4059.0	4708.7	6077.3	8307.8	11149.9	13271.0	13824.6	13358.1	13081.2	13123.6
66°	3248.5	3308.8	3860.3	5121.8	7457.1	10547.1	13130.3	13980.9	13505.4	13170.5	13190.6
67.5°	2397.9	2386.7	2839.9	3813.4	5954.5	9401.7	12690.5	14079.2	13672.8	13250.9	13259.8
70°	1368.6	1366.4	1527.2	2094.2	3500.8	6619.9	10696.7	13608.1	14012.2	13541.1	13516.5
72.5°	1000.2	993.5	1015.9	1156.5	1708.0	3342.3	7379.0	11893.4	13838.0	13494.2	13425.0
75°	839.5	835.0	830.5	848.4	957.8	1513.8	3916.1	8555.6	12007.3	12665.9	12594.5
77.5°	685.4	685.4	687.6	683.2	687.6	797.1	1623.2	4585.9	7312.0	8162.6	8361.3
80°	535.8	533.6	571.6	555.9	520.2	511.3	719.0	1475.8	2426.9	2413.5	1991.6
82.5°	395.2	368.4	435.3	424.2	384.0	326.0	419.8	629.6	810.5	526.9	390.7
85°	250.1	247.8	308.1	281.3	234.4	154.0	200.9	270.1	334.9	203.2	165.2
87.5°	44.6	42.4	98.3	71.4	71.4	44.6	55.8	73.7	109.4	75.9	55.8
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)