

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: P647158

Luminaire Tested: **GALN-SA9C-835-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P647158
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-SA9C-835-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51487.7 lumens
Efficiency: N/A
Efficacy: 107.0 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

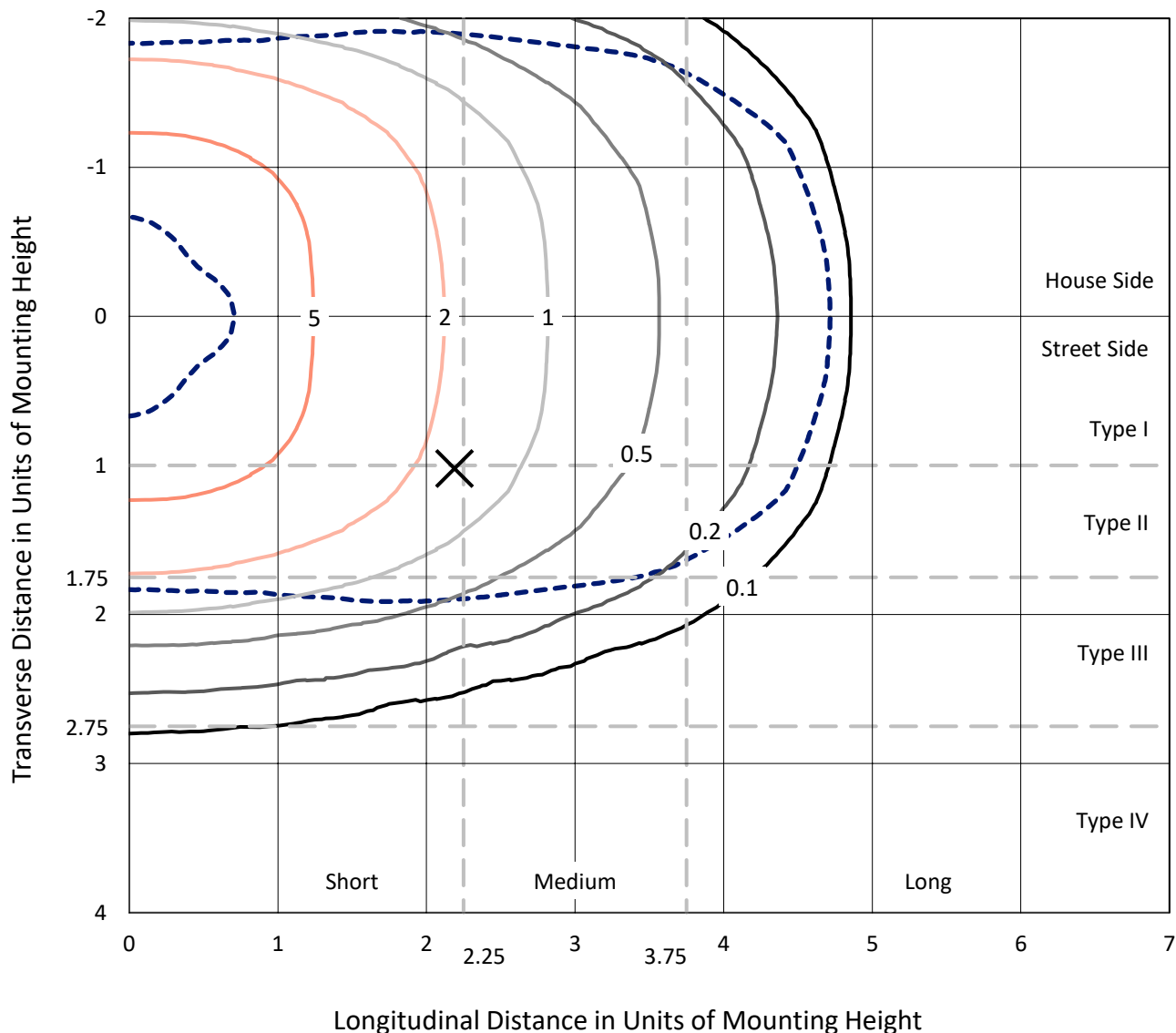
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

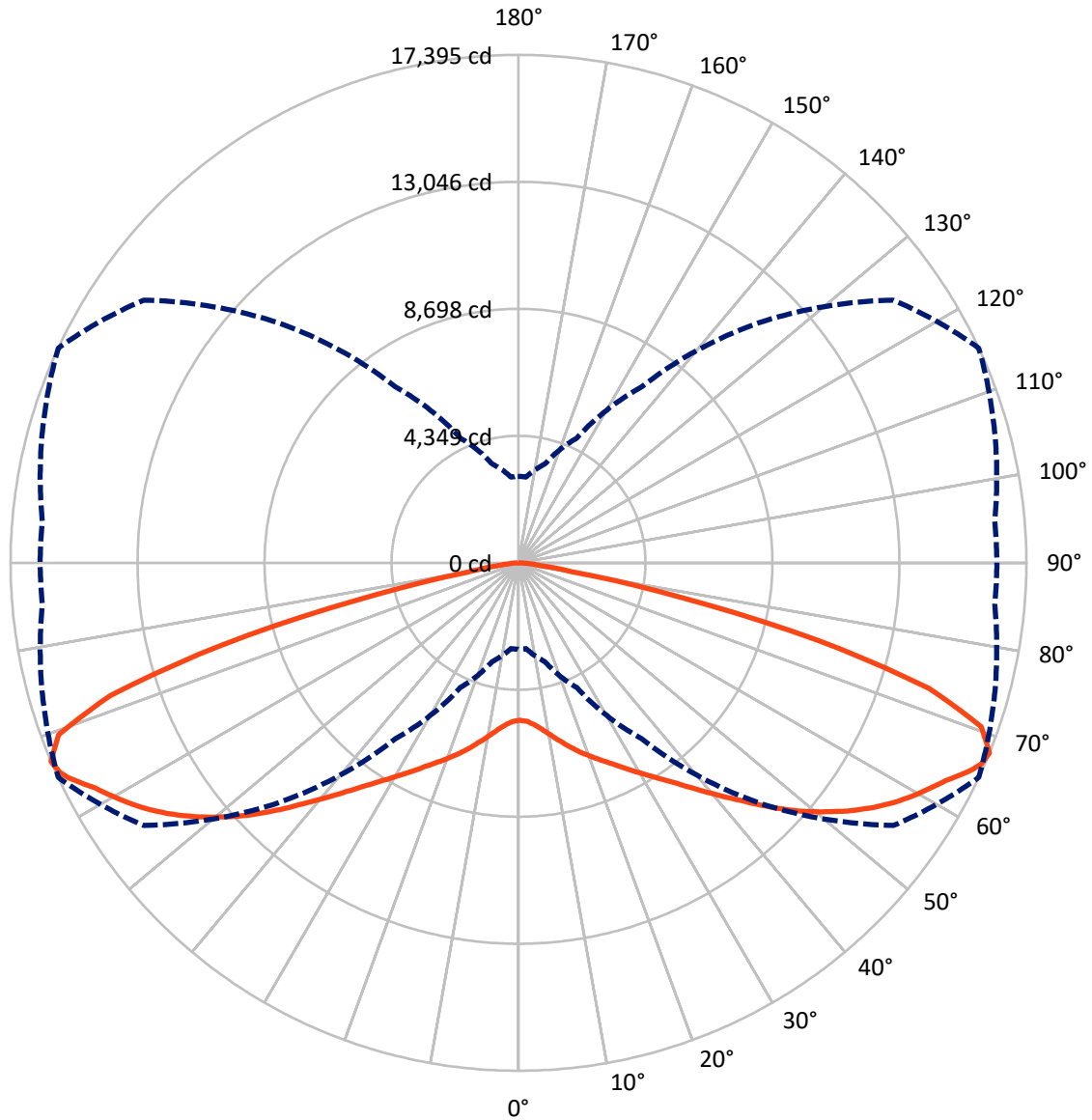
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 fc
 Type 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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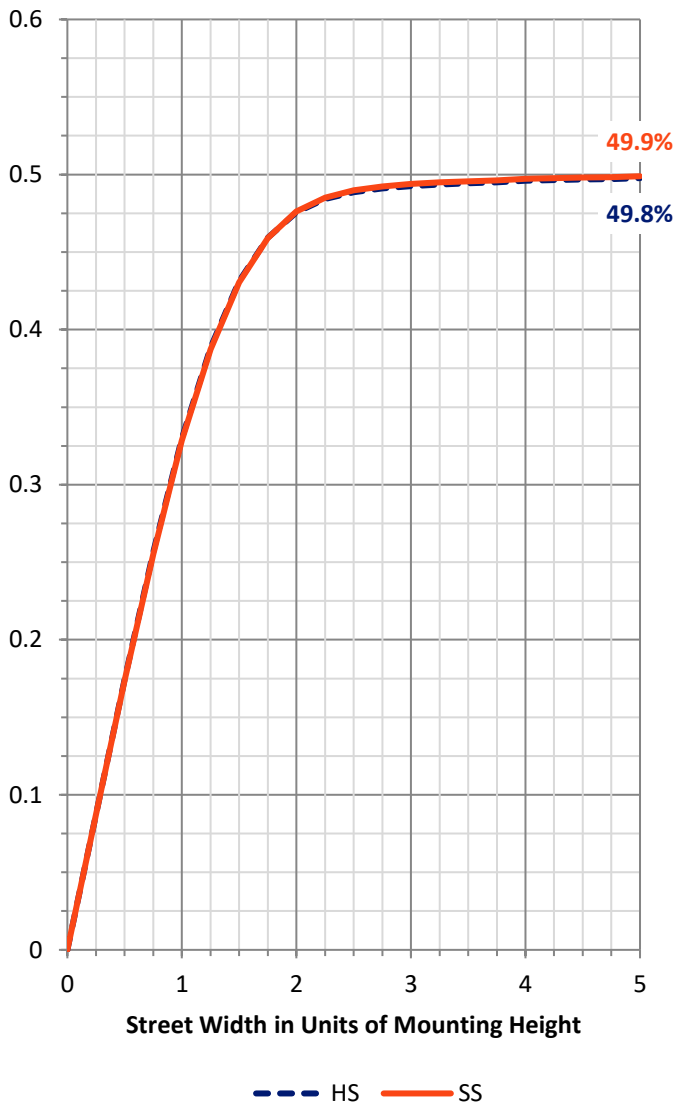
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25743.9	0.0	25743.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25743.9	0.0	25743.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	51487.7	0.0	51487.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	531.9	1.0
10°-20°	1780.2	3.5
20°-30°	3482.1	6.8
30°-40°	5922.7	11.5
40°-50°	9373.8	18.2
50°-60°	12429.4	24.1
60°-70°	11724.8	22.8
70°-80°	5796.2	11.3
80°-90°	446.7	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°	51487.7	100.0
0°-180°	51487.7	100.0

Coefficient of Utilization

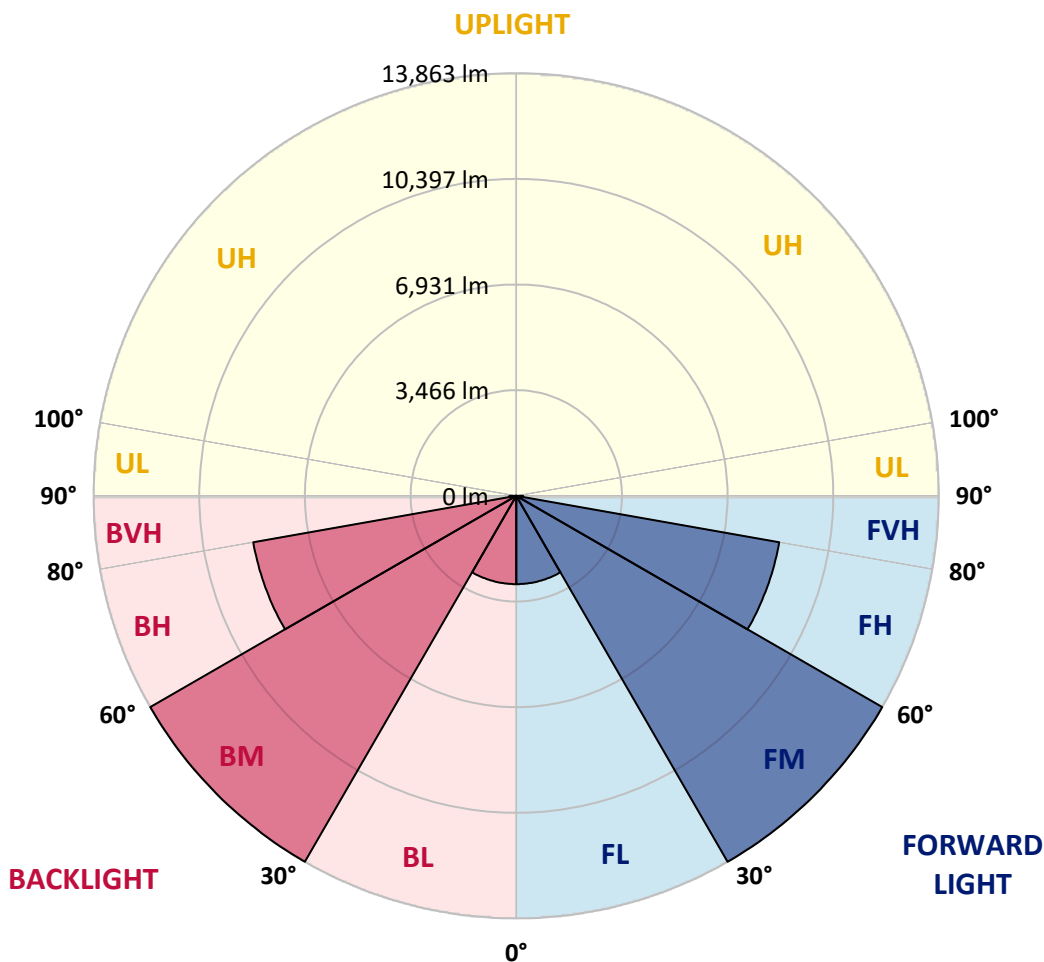


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2897.1	5.6			
FM (30°-60°)	13862.9	26.9			
FH (60°-80°)	8760.5	17.0			G4/12000
FVH (80°-90°)	223.3	0.4			G2/225
BL (0°-30°)	2897.1	5.6	B4/5000		
BM (30°-60°)	13862.9	26.9	B5		
BH (60°-80°)	8760.5	17.0	B5		G5
BVH (80°-90°)	223.3	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°	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9
2.5°	5365.3	5370.8	5376.3	5384.6	5395.7	5412.2	5423.2	5431.5	5453.6	5456.3	5453.6
5°	5346.0	5351.5	5365.3	5390.1	5426.0	5475.7	5514.3	5561.2	5597.0	5621.9	5616.3
7.5°	5343.3	5354.2	5376.3	5428.8	5497.7	5583.3	5671.5	5751.5	5820.4	5875.6	5867.3
10°	5387.4	5401.1	5437.0	5514.3	5621.9	5746.0	5870.1	5988.7	6088.1	6159.8	6184.6
12.5°	5461.8	5472.9	5539.1	5655.0	5809.4	5963.9	6104.6	6250.8	6388.7	6510.1	6510.1
15°	5591.5	5610.8	5693.6	5861.9	6052.2	6231.5	6375.0	6529.4	6678.4	6816.2	6857.7
17.5°	5770.8	5798.3	5922.5	6137.7	6380.4	6546.0	6681.1	6808.0	6937.6	7070.0	7089.4
20°	6016.3	6043.9	6209.4	6468.7	6755.6	6954.2	7045.2	7075.6	7139.0	7265.9	7282.4
22.5°	6350.1	6377.7	6562.5	6854.9	7174.9	7390.0	7428.6	7356.9	7340.4	7439.7	7450.7
25°	6728.0	6752.8	6965.3	7279.7	7610.8	7845.2	7834.1	7657.6	7558.3	7619.0	7635.6
27.5°	7152.8	7188.6	7403.8	7729.3	8087.9	8294.9	8261.7	8005.2	7792.8	7781.8	7787.2
30°	7696.3	7734.9	7939.0	8250.7	8603.8	8794.1	8725.2	8380.4	8052.1	7941.7	7941.7
32.5°	8270.0	8366.6	8573.5	8899.0	9174.8	9312.7	9207.9	8794.1	8358.3	8203.8	8195.5
35°	9017.6	9070.0	9274.1	9591.4	9798.2	9905.8	9704.4	9260.3	8758.2	8576.2	8551.4
37.5°	9748.6	9792.7	10029.9	10333.4	10584.4	10578.9	10305.8	9814.7	9254.8	9050.7	9034.1
40°	10496.1	10543.0	10813.4	11092.0	11343.0	11320.9	10989.9	10441.0	9845.1	9616.2	9660.3
42.5°	11144.4	11196.8	11503.0	11900.2	12126.4	12120.9	11737.5	11119.5	10498.9	10294.7	10333.4
45°	11734.7	11781.6	12137.4	12592.6	12923.6	12965.0	12545.7	11892.0	11254.7	10992.7	11003.7
47.5°	12151.2	12239.5	12611.9	13133.3	13582.9	13729.1	13318.0	12678.1	11944.4	11671.2	11687.8
50°	12468.5	12523.6	12929.1	13522.2	14090.5	14393.9	14062.9	13406.4	12633.9	12344.3	12382.9
52.5°	12507.1	12573.3	13014.6	13698.7	14427.0	14887.6	14724.9	14118.0	13337.4	13039.5	13122.2
55°	12192.6	12231.2	12758.1	13588.4	14559.4	15254.6	15295.9	14780.1	14007.7	13781.5	13836.7
57.5°	11296.1	11395.4	12063.0	13072.6	14377.4	15450.4	15723.5	15381.4	14686.3	14462.9	14551.1
60°	9825.8	9925.2	10595.4	11875.4	13690.5	15359.4	16076.6	15913.8	15301.5	15122.2	15169.1
62.5°	7699.0	7690.7	8521.0	10090.6	12325.0	14912.5	16338.6	16426.9	15908.3	15682.2	15753.9
65°	4990.1	5015.0	5817.7	7508.7	10264.4	13776.0	16396.6	17080.7	16504.2	16162.1	16214.5
66°	4013.7	4088.1	4769.5	6328.0	9213.4	13031.2	16222.8	17273.8	16686.2	16272.5	16297.3
67.5°	2962.6	2948.9	3508.9	4711.5	7356.9	11616.1	15679.3	17395.1	16893.1	16371.7	16382.8
70°	1691.0	1688.2	1886.8	2587.5	4325.4	8179.0	13216.0	16813.1	17312.4	16730.4	16700.0
72.5°	1235.8	1227.5	1255.1	1428.9	2110.3	4129.5	9116.9	14694.6	17097.3	16672.4	16586.9
75°	1037.2	1031.7	1026.2	1048.2	1183.4	1870.3	4838.4	10570.6	14835.3	15649.0	15560.7
77.5°	846.9	846.9	849.6	844.1	849.6	984.8	2005.4	5665.9	9034.1	10085.1	10330.6
80°	662.0	659.3	706.2	686.8	642.8	631.7	888.2	1823.4	2998.5	2982.0	2460.6
82.5°	488.3	455.2	537.9	524.1	474.5	402.8	518.6	777.9	1001.3	651.0	482.7
85°	309.0	306.2	380.7	347.6	289.6	190.3	248.3	333.8	413.8	251.0	204.1
87.5°	55.2	52.4	121.4	88.2	88.2	55.2	69.0	91.1	135.1	93.8	69.0
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)