

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: P648201

Luminaire Tested: **GALN-SA1B-835-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P648201  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1B-835-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2913.5 lumens  
Efficiency: N/A  
Efficacy: 66.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

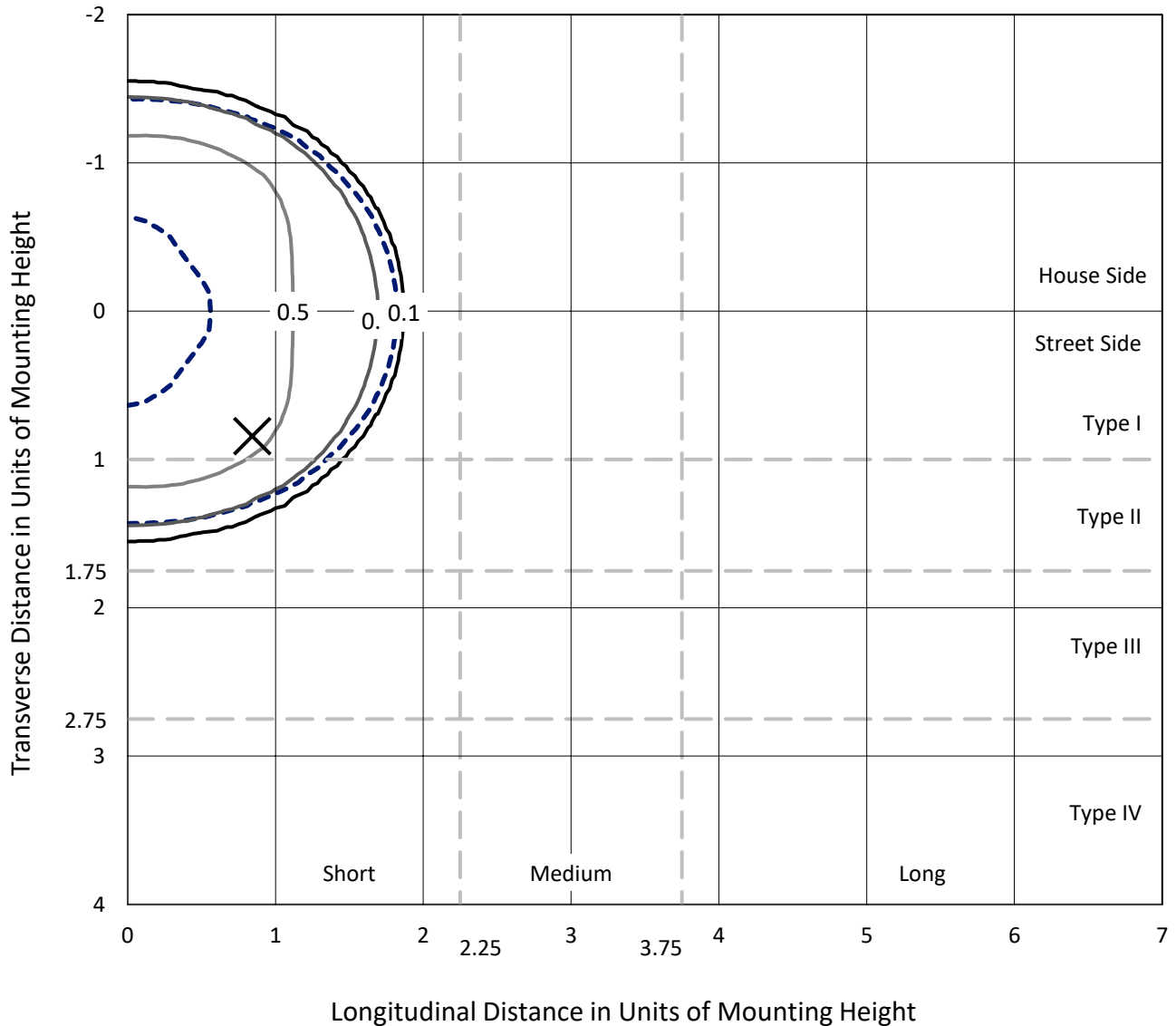
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

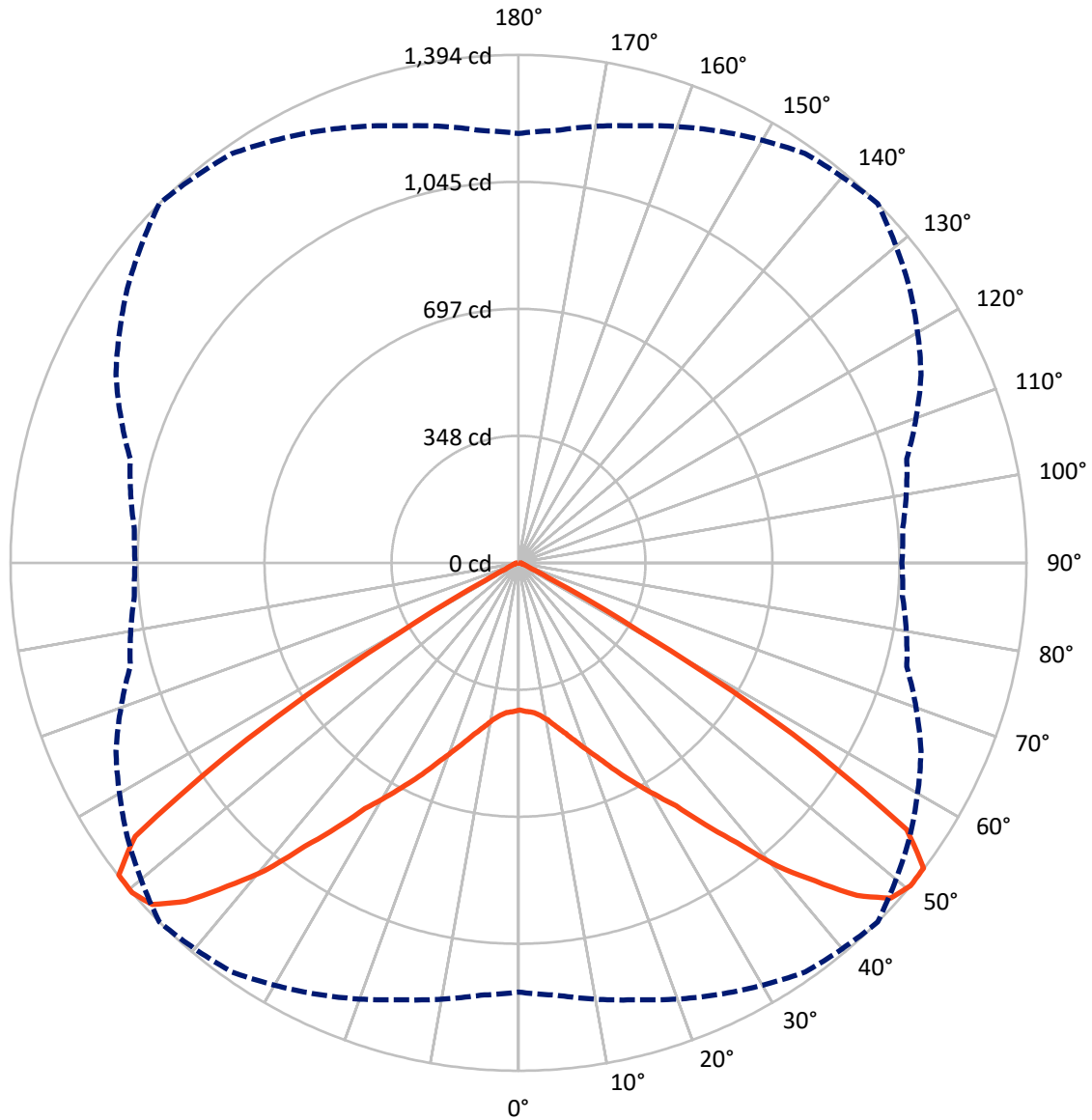
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 50-Deg Vertical

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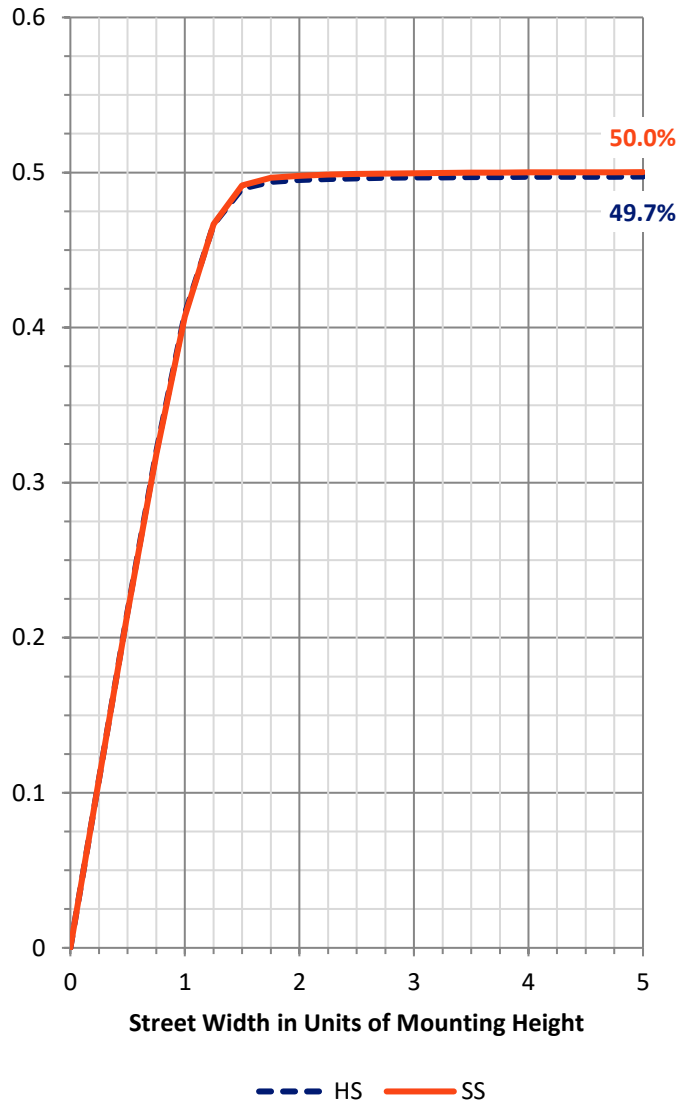
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1456.8	0.0	1456.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1456.8	0.0	1456.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2913.5	0.0	2913.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.2	1.4
10°-20°	138.5	4.8
20°-30°	282.9	9.7
30°-40°	539.4	18.5
40°-50°	909.0	31.2
50°-60°	866.9	29.8
60°-70°	121.0	4.2
70°-80°	11.6	0.4
80°-90°	4.0	0.1
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°	2913.5	100.0
0°-180°	2913.5	100.0

**Coefficient of Utilization**

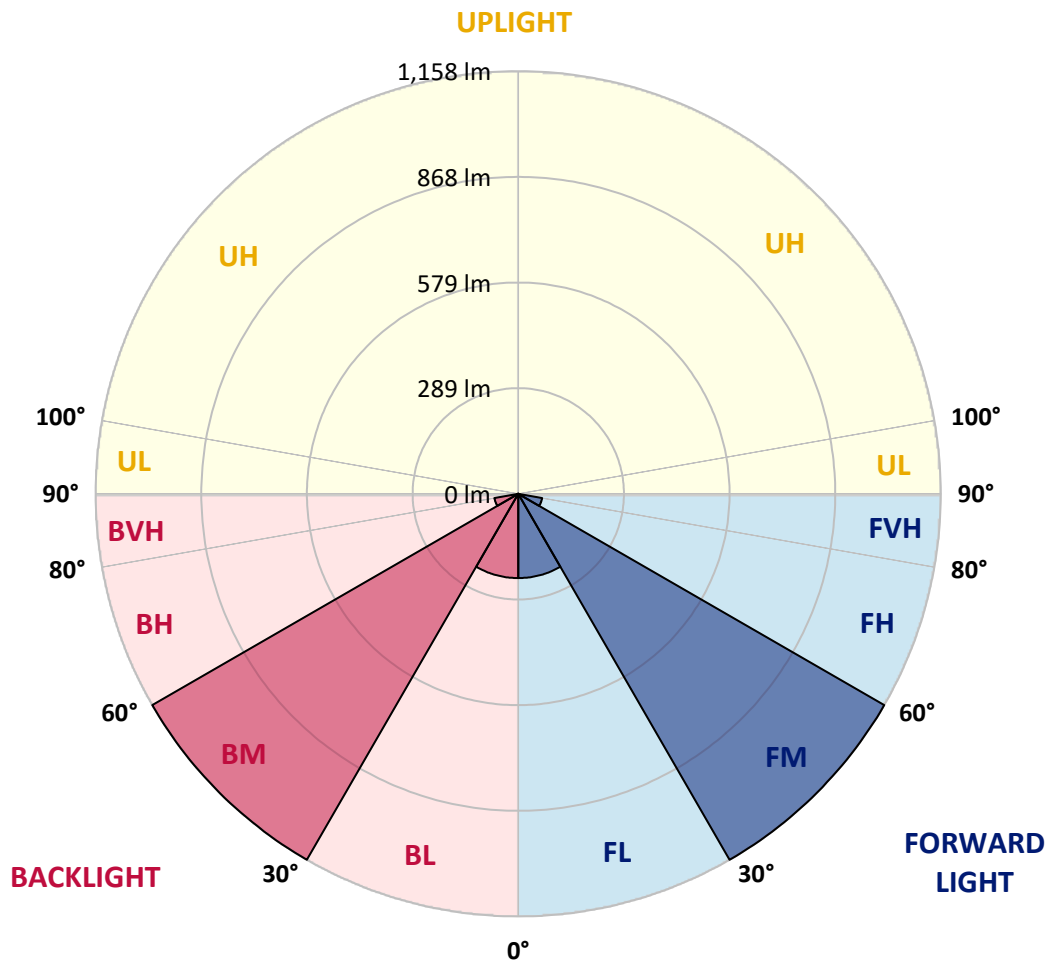


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	230.8	7.9			
FM (30°-60°)	1157.7	39.7			
FH (60°-80°)	66.3	2.3			G0/660
FVH (80°-90°)	2.0	0.1			G0/10
BL (0°-30°)	230.8	7.9	B1/500		
BM (30°-60°)	1157.7	39.7	B2/2500		
BH (60°-80°)	66.3	2.3	B0/110		G0/660
BVH (80°-90°)	2.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	403.9	403.9	403.9	403.9	403.9	403.9	403.9	403.9	403.9	403.9	403.9
2.5°	402.5	402.5	402.0	405.9	403.9	408.3	407.9	409.4	410.8	410.3	414.2
5°	399.0	398.5	398.5	402.9	407.4	412.2	416.7	419.6	424.5	424.5	429.4
7.5°	402.5	400.0	403.4	405.4	413.7	422.0	429.4	435.3	446.5	450.5	449.1
10°	403.4	406.4	408.8	414.7	425.0	437.8	444.1	458.8	471.6	480.4	482.3
12.5°	409.8	414.2	421.1	435.3	444.6	461.3	470.1	484.4	502.0	511.8	518.7
15°	422.0	423.5	432.4	450.5	470.6	485.8	499.6	509.8	527.0	538.2	538.7
17.5°	437.8	444.1	456.4	473.6	494.6	517.2	528.0	539.3	545.6	560.8	564.2
20°	469.1	470.1	481.9	504.4	530.9	551.5	559.3	565.2	562.7	578.5	581.4
22.5°	498.5	499.6	514.2	544.7	573.1	590.7	594.1	590.7	583.3	594.6	595.6
25°	528.4	537.3	548.0	578.5	613.7	637.3	637.8	628.4	613.2	615.2	620.1
27.5°	575.0	581.4	592.7	620.6	659.4	685.8	681.4	670.1	650.5	652.0	650.5
30°	629.5	635.3	644.6	680.4	708.8	737.7	744.2	733.4	703.9	697.6	704.9
32.5°	695.1	703.4	720.6	753.5	777.4	795.1	799.5	795.6	768.1	765.7	770.6
35°	775.0	786.3	801.9	830.9	850.5	882.4	882.4	869.1	844.2	847.0	846.6
37.5°	859.3	876.0	900.5	929.9	956.4	973.6	968.2	956.9	931.8	925.5	931.8
40°	965.2	973.6	1004.4	1042.6	1075.1	1094.6	1071.6	1047.1	987.3	996.6	1013.8
42.5°	1061.8	1075.1	1098.5	1140.7	1177.5	1193.7	1166.2	1117.7	1045.6	1038.3	1051.0
45°	1144.1	1158.4	1189.2	1249.5	1288.3	1302.4	1241.7	1163.2	1080.9	1062.3	1067.7
47.5°	1199.0	1206.4	1249.5	1306.9	1342.2	1374.6	1287.3	1194.6	1097.6	1062.3	1060.3
50°	1177.9	1190.7	1241.2	1306.4	1370.6	1393.7	1310.4	1218.7	1102.9	1057.8	1052.0
52.5°	1046.1	1068.2	1124.5	1212.3	1309.3	1391.7	1342.2	1210.8	1101.0	1062.3	1071.1
55°	728.0	728.4	797.1	926.5	1098.1	1292.2	1295.6	1219.6	1113.7	1089.7	1090.2
57.5°	292.7	307.3	359.8	489.7	648.1	887.3	1054.9	1131.4	1115.2	1109.4	1124.5
60°	74.0	74.5	90.7	138.2	227.9	380.4	552.5	747.5	860.8	899.5	904.9
62.5°	37.7	38.2	42.1	49.0	62.2	101.9	181.3	287.8	409.4	471.1	487.3
65°	30.9	30.9	33.4	36.8	37.3	39.2	47.1	67.2	97.6	110.8	112.3
67.5°	23.6	23.6	25.5	27.5	28.4	28.0	26.9	28.0	33.8	32.3	31.4
70°	14.7	15.2	16.2	18.2	19.1	19.6	20.1	21.1	24.0	25.0	24.0
72.5°	8.8	8.8	9.3	10.8	12.3	13.2	14.7	15.7	17.1	19.6	19.1
75°	3.9	3.9	4.9	6.3	7.8	9.3	10.8	12.3	13.2	14.7	15.2
77.5°	1.0	1.5	2.4	4.4	5.9	7.8	9.8	11.3	12.3	12.3	11.7
80°	0.5	0.5	2.0	3.4	6.3	8.3	10.8	11.7	13.2	12.3	10.8
82.5°	0.5	0.5	2.0	3.4	5.9	8.3	11.3	12.8	13.7	12.3	10.3
85°	0.0	0.5	1.5	3.0	4.9	5.9	4.9	3.4	2.0	2.0	1.5
87.5°	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)