

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: P648188

Luminaire Tested: **GALN-SA1B-835-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P648188  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)  
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-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2706.1 lumens  
Efficiency: N/A  
Efficacy: 61.5 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

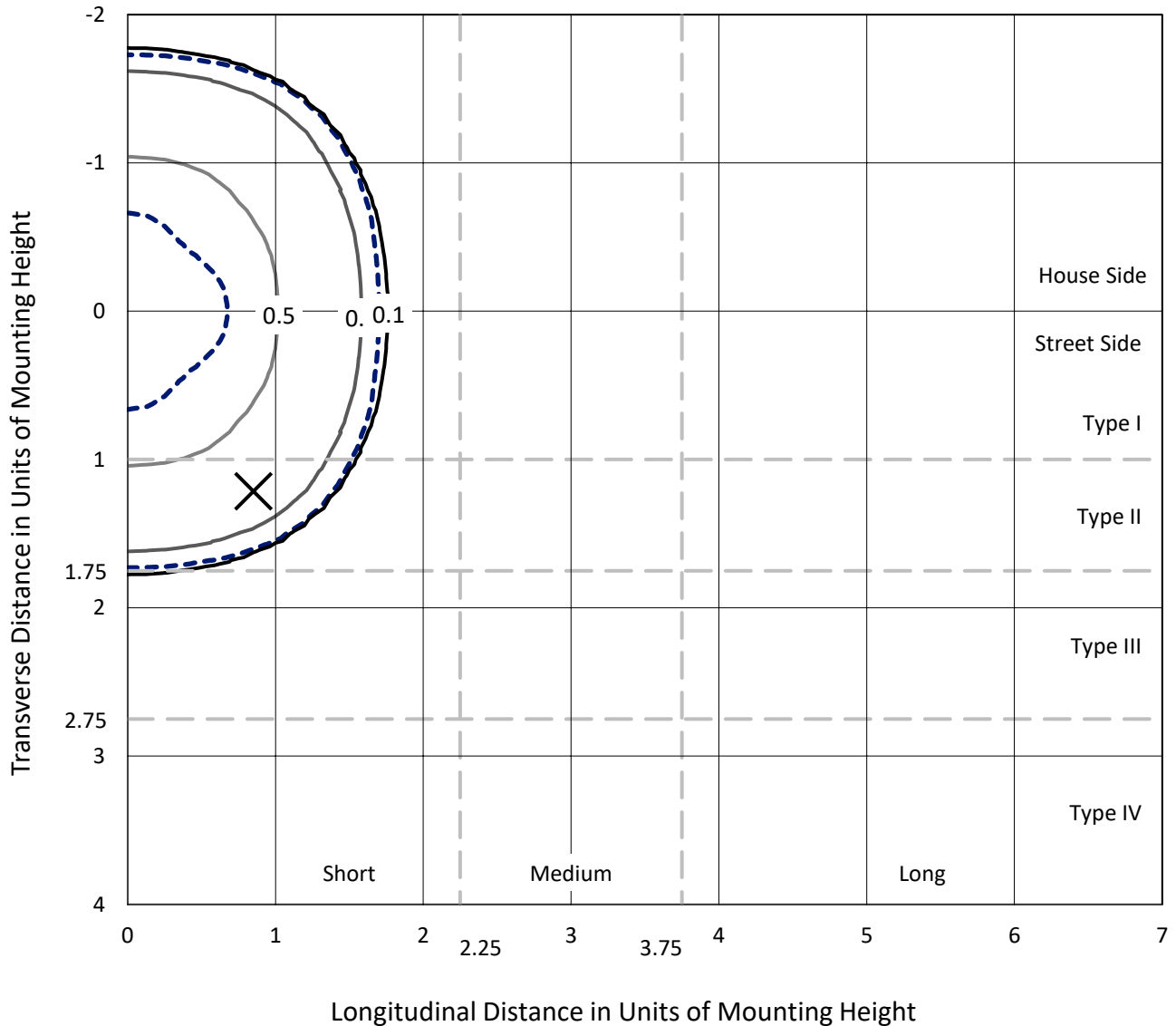
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

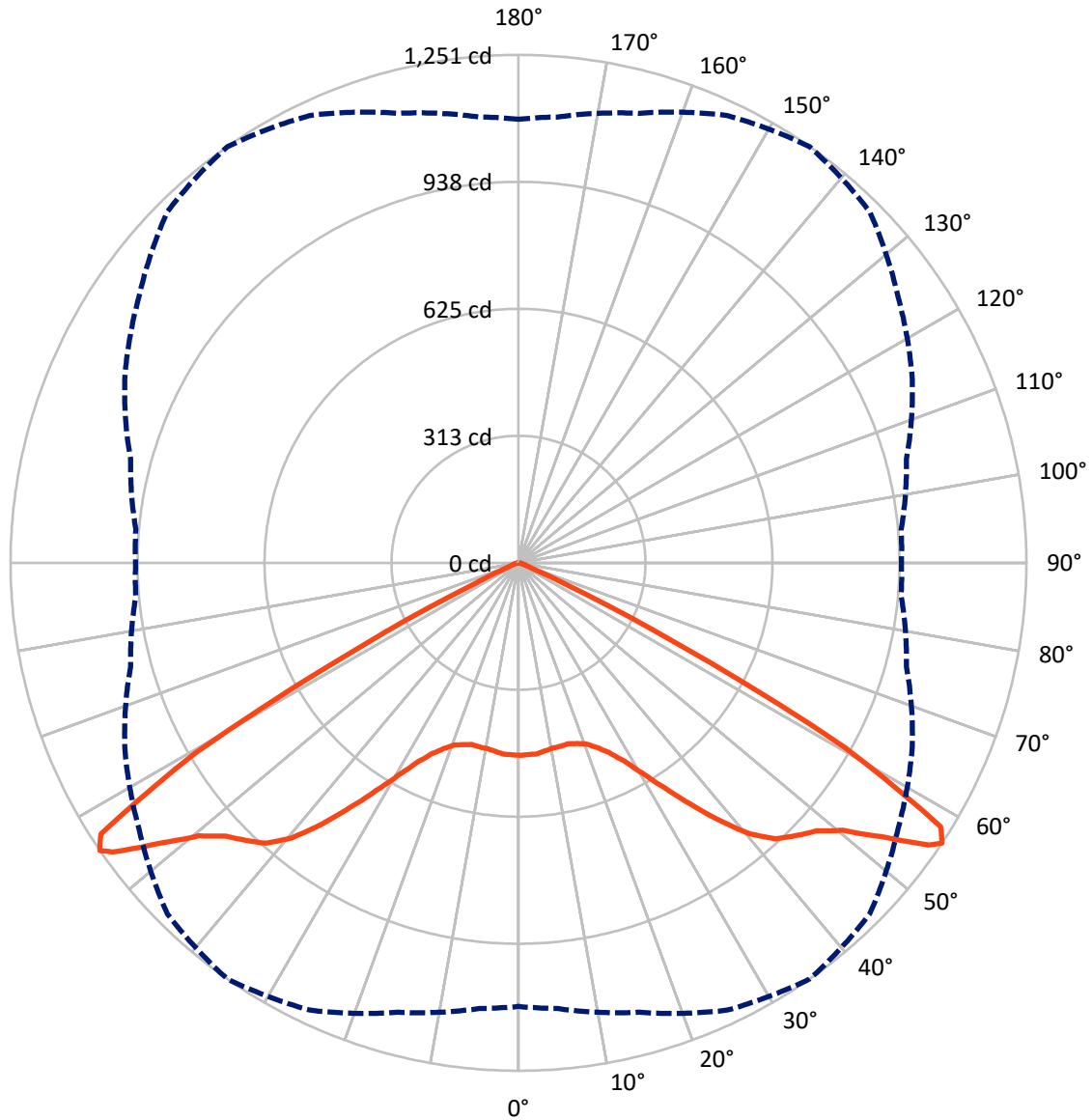
× Max cd  
 - - - 1/2 Max cd



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 35-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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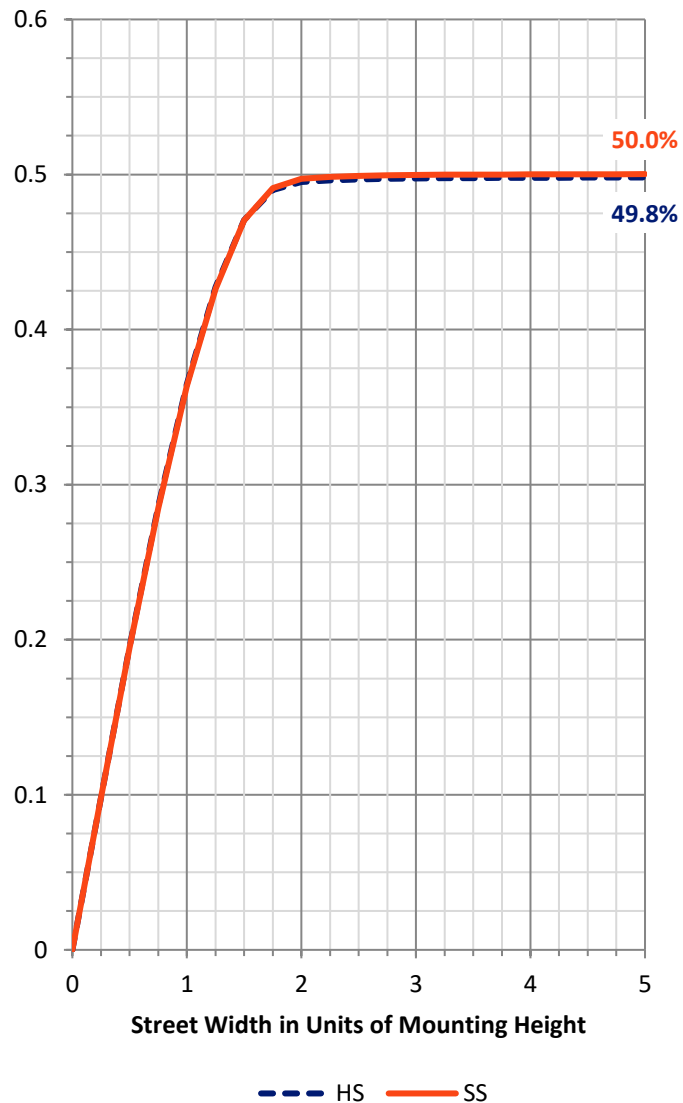
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1353.0	0.0	1353.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1353.0	0.0	1353.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2706.1	0.0	2706.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.6	1.6
10°-20°	130.1	4.8
20°-30°	235.6	8.7
30°-40°	436.9	16.1
40°-50°	717.1	26.5
50°-60°	923.9	34.1
60°-70°	203.6	7.5
70°-80°	11.8	0.4
80°-90°	2.5	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°	2706.1	100.0
0°-180°	2706.1	100.0

**Coefficient of Utilization**



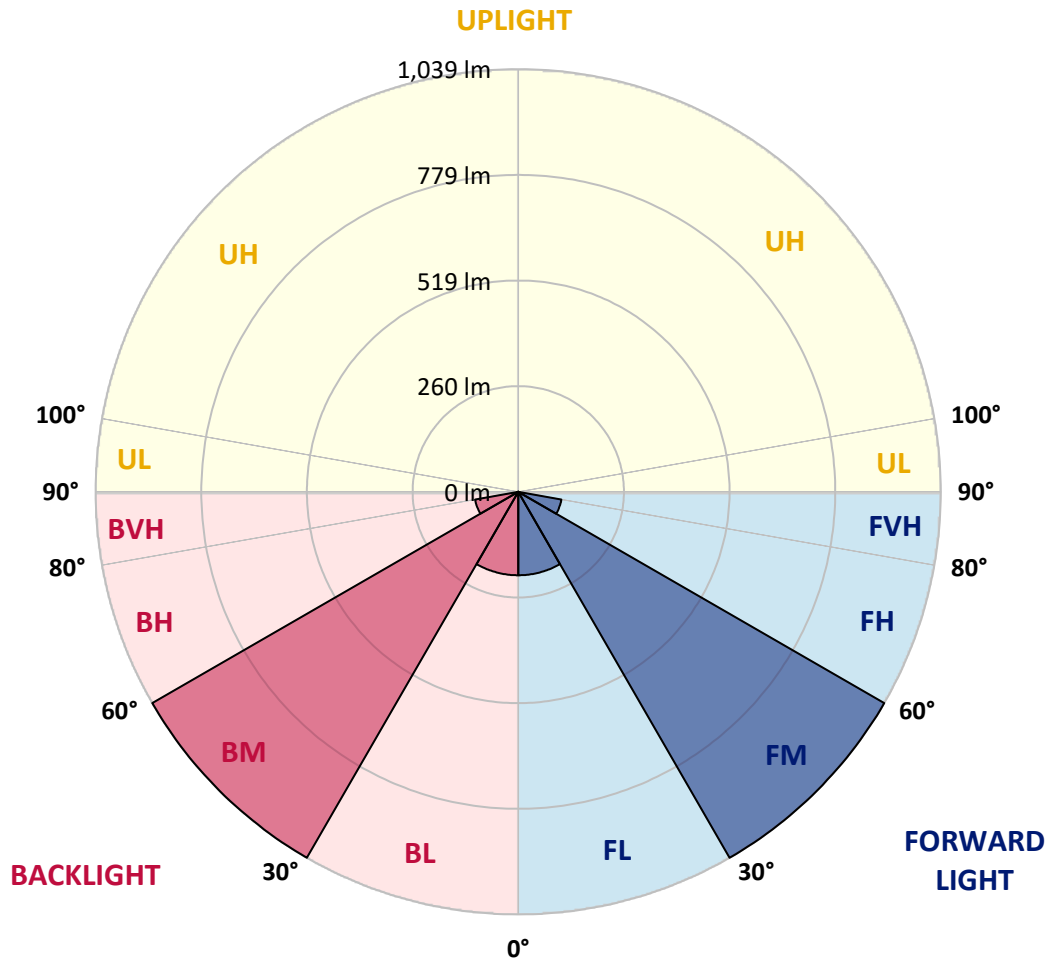
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	205.1	7.6			
FM (30°-60°)	1038.9	38.4			
FH (60°-80°)	107.7	4.0			G0/660
FVH (80°-90°)	1.2	0.0			G0/10
BL (0°-30°)	205.1	7.6	B1/500		
BM (30°-60°)	1038.9	38.4	B2/2500		
BH (60°-80°)	107.7	4.0	B0/110		G0/660
BVH (80°-90°)	1.2	0.0			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°	474.2	474.2	474.2	474.2	474.2	474.2	474.2	474.2	474.2	474.2	474.2
2.5°	475.1	475.1	475.6	476.1	472.7	471.2	471.7	470.7	470.3	471.7	471.7
5°	473.6	473.6	472.2	472.7	472.7	468.3	468.3	469.3	469.3	466.3	465.3
7.5°	469.7	468.8	466.8	469.3	467.8	467.8	464.3	461.9	461.0	462.9	461.0
10°	461.4	461.9	463.8	464.9	463.8	466.8	461.0	457.5	454.1	452.6	452.6
12.5°	457.5	460.4	457.5	459.9	463.4	461.0	457.5	455.0	450.1	448.2	448.2
15°	457.0	459.0	459.9	463.4	461.9	462.9	456.0	453.0	445.7	442.3	440.8
17.5°	456.5	459.0	460.4	466.8	467.8	468.3	462.9	454.1	447.6	444.3	440.8
20°	461.9	462.9	465.8	472.2	476.1	483.0	473.2	463.8	450.1	446.2	444.7
22.5°	468.8	473.6	476.6	483.5	493.8	499.6	486.9	475.1	461.0	456.0	450.1
25°	490.9	489.8	494.8	509.0	517.3	521.7	511.5	494.2	475.6	469.7	470.7
27.5°	518.3	519.3	523.7	539.4	551.6	558.5	546.2	523.7	505.5	495.7	494.8
30°	554.1	553.1	558.0	579.1	601.2	611.4	589.9	563.4	545.8	533.0	536.0
32.5°	591.9	592.3	606.0	625.1	661.0	681.1	646.3	613.9	587.4	578.6	574.2
35°	647.8	650.2	661.0	690.4	730.1	756.1	717.9	679.1	648.7	632.5	634.5
37.5°	716.8	714.4	732.6	764.4	806.1	825.2	792.9	748.8	717.9	707.0	713.9
40°	790.4	792.9	802.2	831.2	877.7	890.4	842.4	818.4	791.4	786.0	794.4
42.5°	864.0	862.5	869.4	895.4	929.2	920.3	891.9	877.7	858.6	847.8	859.1
45°	917.9	915.5	928.2	945.9	958.2	941.5	928.7	923.8	914.0	902.3	912.5
47.5°	970.4	968.4	980.7	985.6	986.6	964.5	966.9	975.8	951.3	926.8	938.5
50°	1015.0	1011.6	1026.7	1037.6	1035.1	999.8	1008.7	999.8	961.5	932.6	928.2
52.5°	1089.5	1091.0	1107.2	1126.8	1120.9	1091.5	1078.7	1038.6	989.5	963.5	948.3
55°	1136.6	1129.2	1157.2	1219.4	1226.3	1196.0	1139.6	1080.2	1006.7	974.8	970.8
56°	1092.4	1101.8	1145.9	1215.5	1250.8	1222.9	1141.0	1069.9	989.0	945.9	942.9
57.5°	980.2	975.3	1035.1	1130.3	1226.3	1214.6	1100.8	996.4	902.3	853.7	847.8
60°	610.0	624.2	676.7	794.4	922.8	928.7	815.9	726.2	616.4	573.2	583.5
62.5°	238.8	226.5	259.4	347.2	435.4	455.0	412.4	342.7	281.5	238.8	235.8
65°	55.4	53.9	60.8	83.9	117.2	135.9	129.0	92.7	68.1	64.8	59.8
67.5°	31.4	31.4	29.9	29.9	32.9	34.8	33.4	32.9	34.3	35.8	35.3
70°	22.1	21.6	20.6	21.1	20.1	20.1	21.6	24.0	26.0	26.0	26.5
72.5°	13.2	13.2	13.2	14.7	14.7	14.7	16.2	18.2	18.6	18.2	17.6
75°	5.9	5.9	6.9	8.3	9.3	9.8	11.3	12.3	13.2	12.3	11.3
77.5°	1.5	1.5	2.4	3.4	4.4	5.4	7.4	8.8	9.3	8.8	7.4
80°	0.5	0.5	1.0	2.4	4.4	5.4	7.4	7.8	8.3	7.4	5.9
82.5°	0.5	0.5	1.0	2.4	3.4	4.4	5.9	6.9	7.4	6.3	5.9
85°	0.0	0.5	1.0	2.0	3.0	3.9	3.9	3.0	2.4	1.5	2.0
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)