

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: P526431

Luminaire Tested: **GALN-SA1B-827-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526431  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1B-827-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2208 lumens  
Efficiency: N/A  
Efficacy: 50.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0

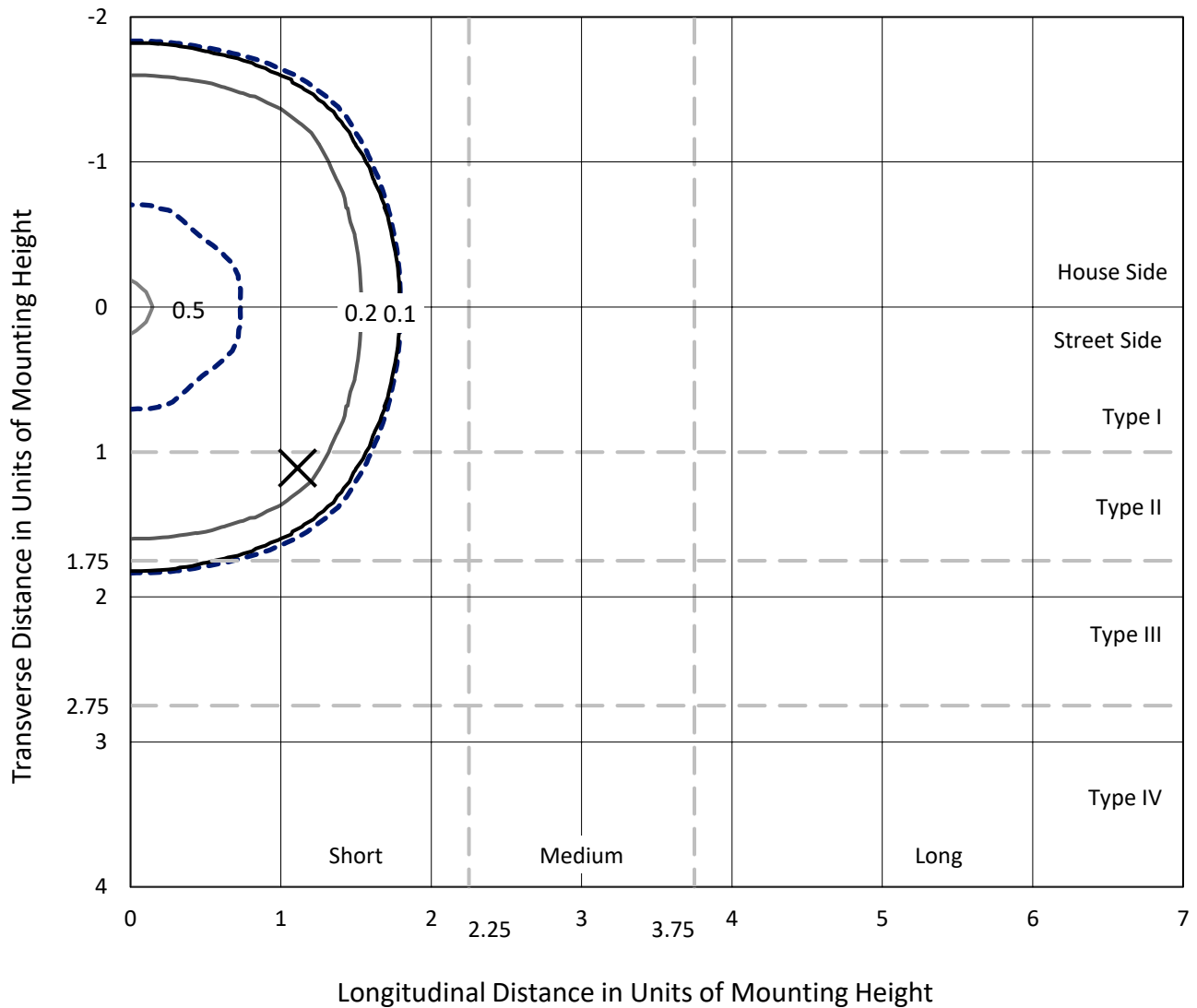
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

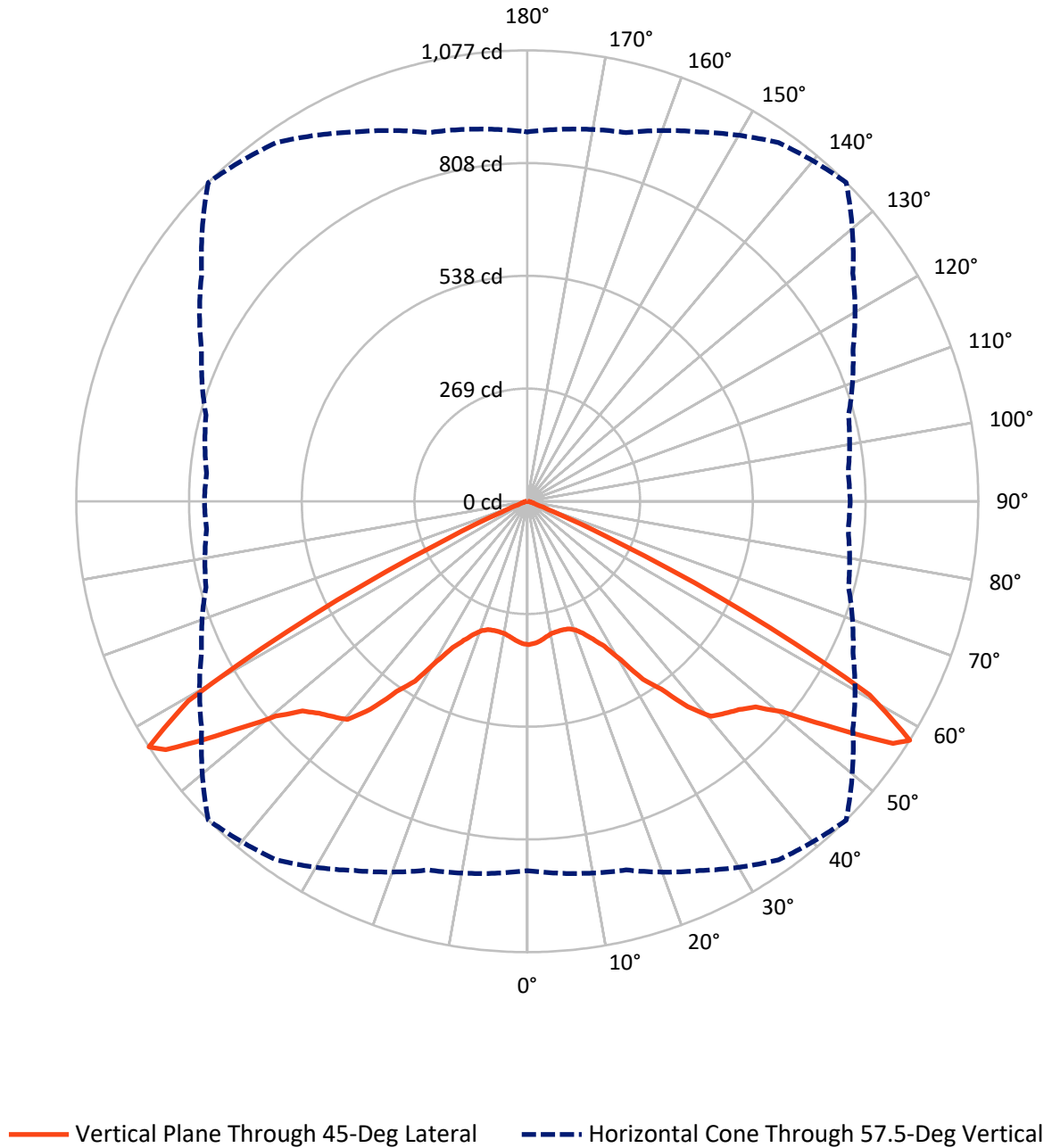
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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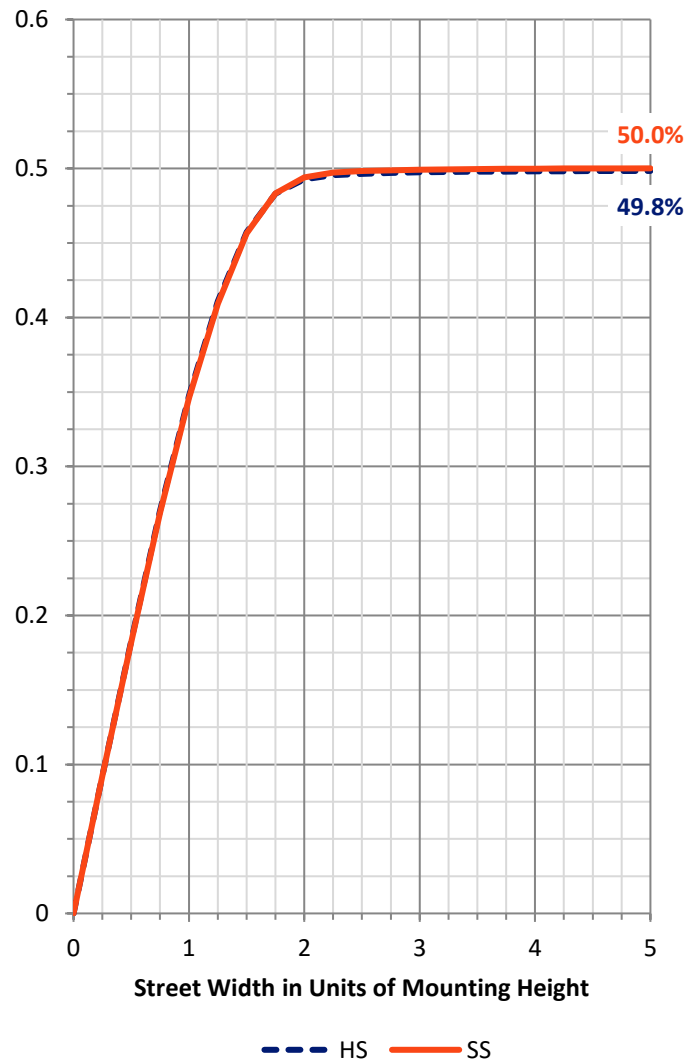
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1104.0	0.0	1104.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1104.0	0.0	1104.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2208.0	0.0	2208.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.5	1.4
10°-20°	91.0	4.1
20°-30°	167.9	7.6
30°-40°	330.2	15.0
40°-50°	537.9	24.4
50°-60°	767.1	34.7
60°-70°	265.6	12.0
70°-80°	14.2	0.6
80°-90°	2.7	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°	2208.0	100.0
0°-180°	2208.0	100.0

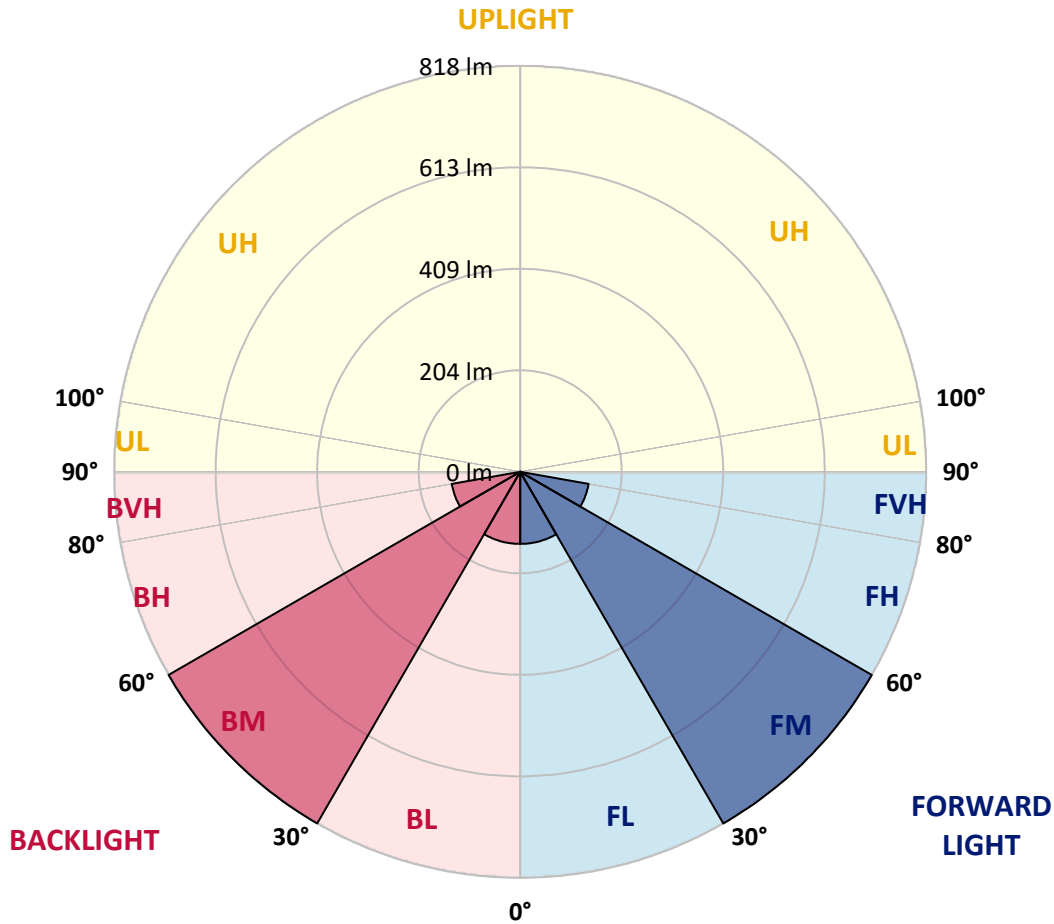


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	145.2	6.6			
FM (30°-60°)	817.6	37.0			
FH (60°-80°)	139.9	6.3			G0/660
FVH (80°-90°)	1.3	0.1			G0/10
BL (0°-30°)	145.2	6.6	B1/500		
BM (30°-60°)	817.6	37.0	B1/1000		
BH (60°-80°)	139.9	6.3	B1/500		G0/660
BVH (80°-90°)	1.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	342.5	342.5	342.5	342.5	342.5	342.5	342.5	342.5	342.5	342.5	342.5
2.5°	341.6	343.4	341.1	340.2	339.7	339.7	338.3	338.3	337.9	338.3	336.5
5°	336.0	337.9	337.9	337.4	334.7	334.2	332.8	331.9	332.4	330.5	331.9
7.5°	330.5	331.9	330.1	329.6	328.7	326.8	326.4	322.2	322.7	322.7	323.6
10°	329.6	329.1	326.4	324.1	321.3	320.8	319.5	318.5	318.5	318.1	319.5
12.5°	329.6	327.3	326.8	321.8	317.2	319.0	315.3	313.0	316.2	317.2	319.0
15°	329.1	331.4	323.6	321.3	318.1	318.5	315.3	313.0	314.9	315.8	317.2
17.5°	331.9	330.5	328.2	323.6	322.2	320.4	316.2	314.4	314.4	316.7	317.2
20°	339.3	335.6	331.0	328.7	330.1	327.8	322.7	315.8	317.6	319.5	320.8
22.5°	346.2	343.4	340.2	338.8	346.6	342.9	334.2	326.4	323.6	326.8	329.1
25°	359.5	359.5	353.5	355.4	364.1	364.6	354.5	340.6	338.8	340.2	341.1
27.5°	386.7	388.1	383.0	384.8	388.5	391.7	383.0	371.5	367.3	366.9	368.3
30°	416.1	418.9	418.4	426.3	436.9	438.7	425.8	406.9	394.5	392.2	394.0
32.5°	454.8	456.2	455.3	464.5	493.0	506.4	472.8	446.1	429.5	433.6	429.5
35°	527.5	526.2	516.0	517.9	541.3	551.0	518.8	501.8	493.9	502.2	500.4
37.5°	590.1	585.1	576.8	588.8	613.2	621.9	588.3	558.4	544.1	557.9	563.9
40°	643.1	630.2	618.7	630.6	663.3	675.3	626.0	601.6	596.1	606.3	619.1
42.5°	687.7	679.4	664.3	665.2	686.8	692.3	652.7	638.5	633.0	649.1	655.5
45°	719.5	711.7	697.4	696.5	713.0	709.4	673.9	664.3	667.5	678.1	681.3
47.5°	735.6	739.7	731.5	733.8	742.5	733.8	705.7	705.7	698.3	704.8	701.5
50°	782.1	769.2	779.8	779.8	789.0	789.9	761.8	751.7	731.9	720.9	720.9
52.5°	836.4	837.3	841.5	856.7	872.3	885.7	845.6	802.4	769.2	754.9	753.1
55°	881.1	890.3	906.8	935.4	980.5	998.9	929.9	852.5	812.0	789.9	785.3
56°	905.5	896.7	925.3	964.4	1023.3	1047.2	943.7	862.7	818.0	793.1	792.7
57.5°	882.0	891.7	911.4	973.1	1045.4	1076.7	948.7	858.1	794.1	768.7	771.0
60°	696.5	705.7	732.4	801.4	914.7	939.1	802.8	707.5	650.4	614.1	614.5
62.5°	394.0	400.9	421.7	485.6	556.1	579.6	500.4	436.9	397.3	377.0	370.6
65°	145.0	142.2	145.5	178.1	221.4	241.2	208.1	175.8	155.1	147.8	145.0
67.5°	54.3	50.2	47.0	50.2	63.1	66.7	61.2	51.1	47.9	49.3	50.2
70°	33.6	31.8	25.3	23.9	23.5	23.0	24.4	25.8	29.5	34.5	35.4
72.5°	23.5	22.1	18.0	17.0	16.1	15.7	18.0	19.8	23.0	26.7	27.2
75°	9.2	9.7	9.2	10.1	10.6	11.0	12.9	14.3	15.7	15.7	15.2
77.5°	1.8	1.8	2.8	3.7	4.6	6.0	8.7	10.1	10.6	10.1	8.7
80°	0.0	0.0	0.9	1.8	3.7	5.1	7.8	8.7	9.7	8.7	6.9
82.5°	0.0	0.0	0.9	2.3	3.7	4.6	7.4	9.2	10.6	9.7	7.4
85°	0.0	0.0	0.9	1.8	2.8	3.2	3.2	2.3	2.3	1.4	0.9
87.5°	0.0	0.0	0.0	0.0	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)