

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: P526195

Luminaire Tested: **GALN-SA1A-827-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526195  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1A-827-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2337 lumens  
Efficiency: N/A  
Efficacy: 70.8 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

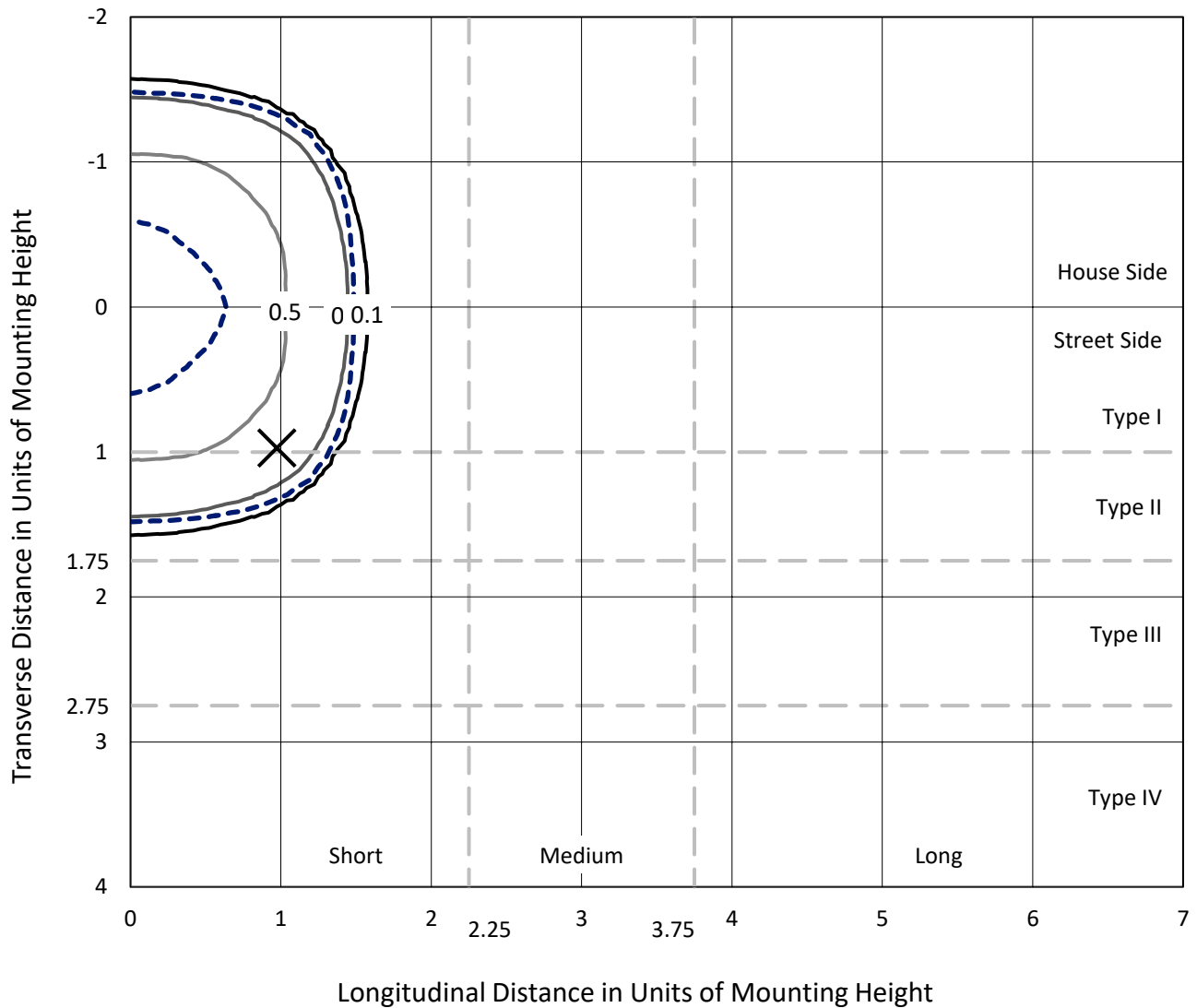
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

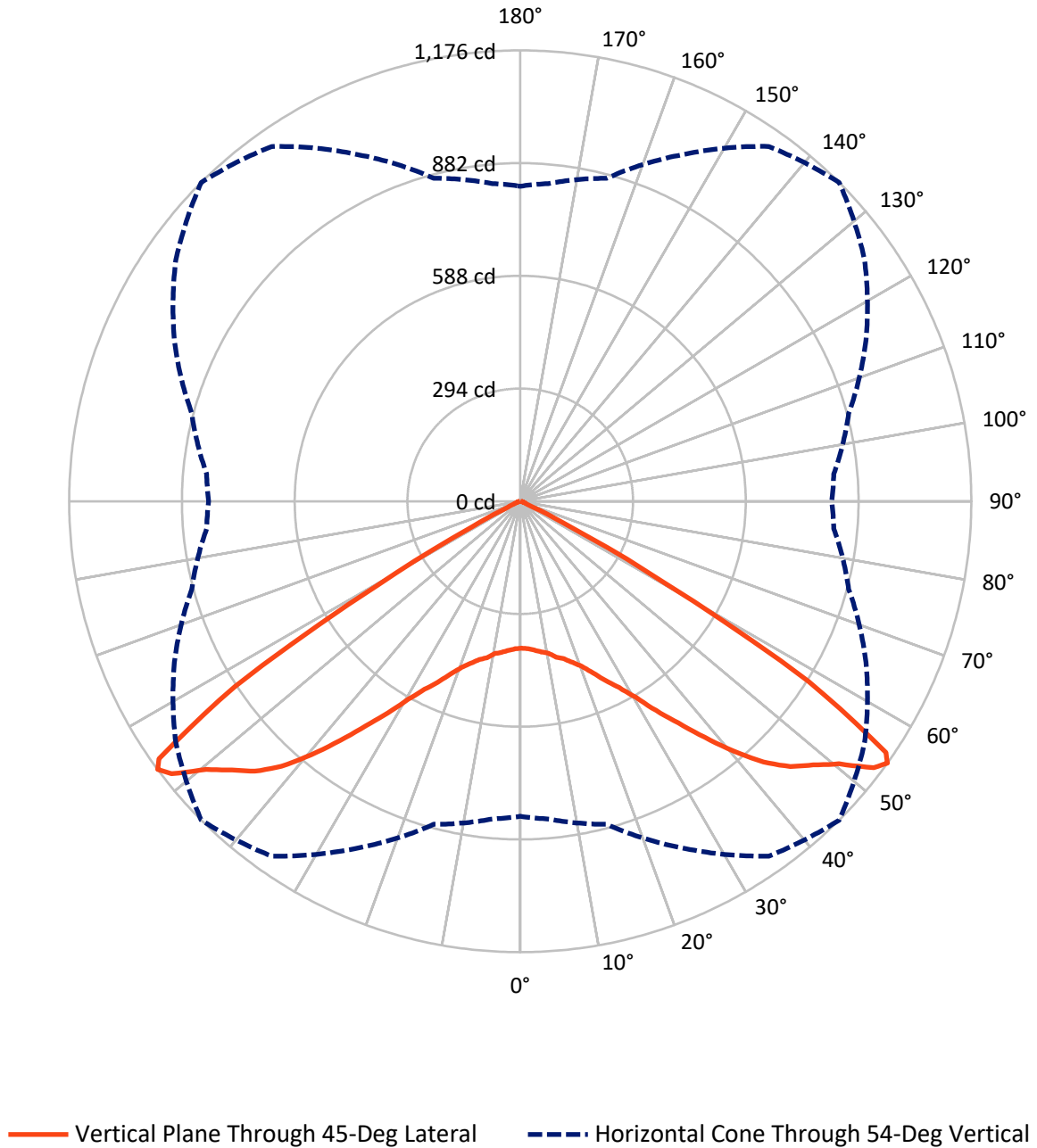
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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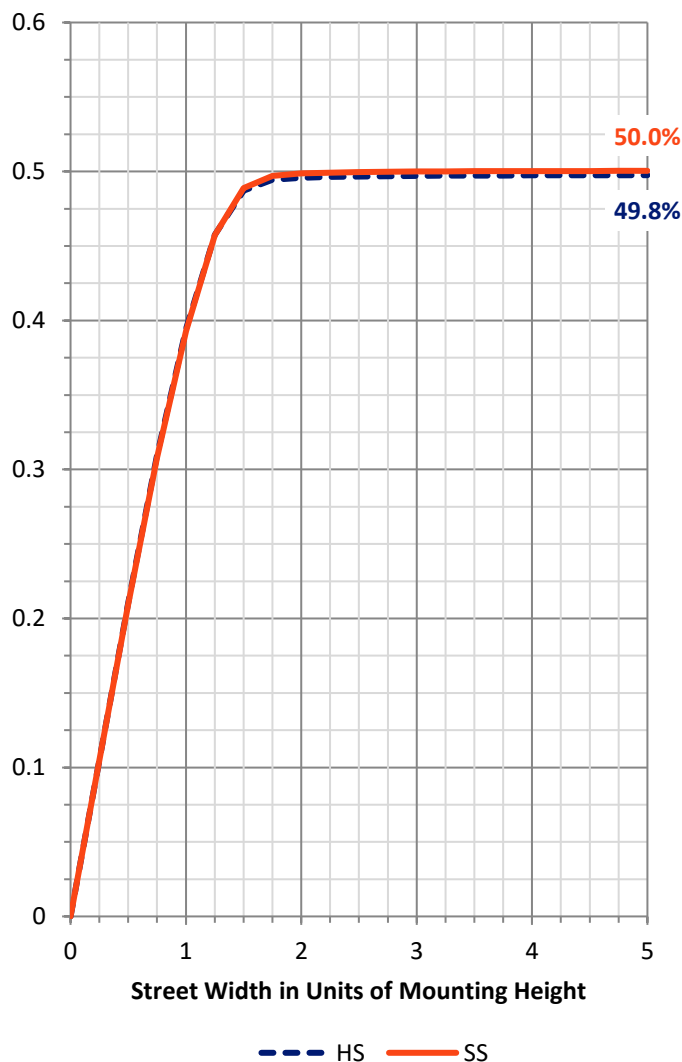
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1168.5	0.0	1168.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1168.5	0.0	1168.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2337.0	0.0	2337.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.5	1.6
10°-20°	121.5	5.2
20°-30°	238.0	10.2
30°-40°	428.1	18.3
40°-50°	732.8	31.4
50°-60°	709.0	30.3
60°-70°	60.7	2.6
70°-80°	7.2	0.3
80°-90°	2.3	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°	2337.0	100.0
0°-180°	2337.0	100.0

**Coefficient of Utilization**

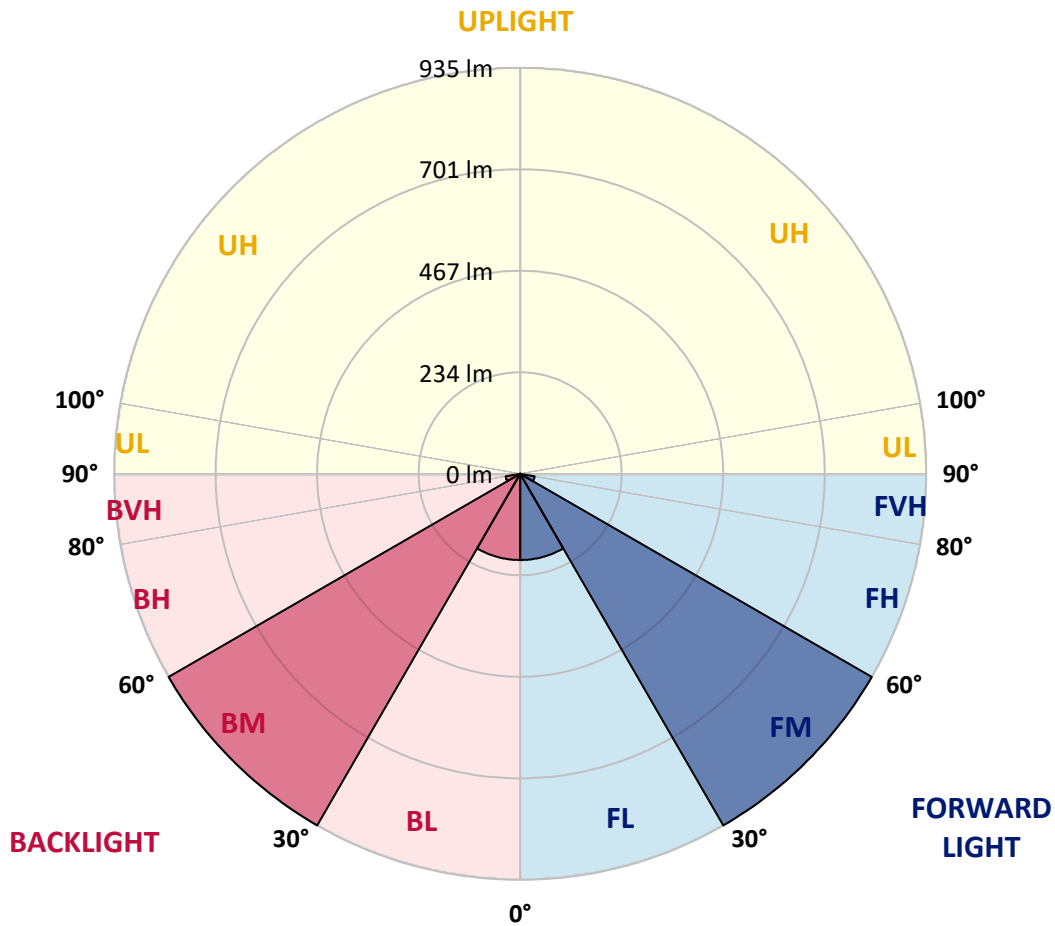


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	198.5	8.5			
FM (30°-60°)	934.9	40.0			
FH (60°-80°)	33.9	1.5			G0/660
FVH (80°-90°)	1.1	0.0			G0/10
BL (0°-30°)	198.5	8.5	B1/500		
BM (30°-60°)	934.9	40.0	B1/1000		
BH (60°-80°)	33.9	1.5	B0/110		G0/660
BVH (80°-90°)	1.1	0.0			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°	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2
2.5°	385.0	387.3	385.8	386.9	386.9	385.0	386.2	381.7	384.7	382.5	382.8
5°	391.0	390.6	390.6	391.0	389.5	390.2	388.7	387.3	386.2	384.7	389.1
7.5°	398.4	398.4	395.8	396.5	395.8	396.9	393.9	391.0	389.9	388.7	388.0
10°	405.4	404.7	403.6	406.9	404.3	402.8	401.3	399.5	395.4	393.9	392.5
12.5°	415.8	415.4	413.9	417.3	415.8	417.3	411.7	406.9	406.1	401.3	403.9
15°	428.0	431.3	428.7	428.7	428.0	426.1	423.9	421.7	415.0	413.2	413.6
17.5°	443.9	442.8	443.2	443.2	446.9	442.1	437.6	432.1	428.7	427.6	423.9
20°	459.1	460.6	460.2	462.8	465.0	459.8	455.0	454.3	445.0	446.5	441.3
22.5°	485.8	484.6	486.5	488.3	486.9	486.1	481.7	476.1	468.0	464.3	463.5
25°	513.9	512.0	508.7	513.1	515.4	518.7	510.2	507.2	494.6	489.1	489.5
27.5°	538.0	540.5	544.2	546.1	551.7	550.5	544.6	535.0	525.4	519.1	515.0
30°	570.9	572.4	578.7	581.3	590.9	593.5	584.2	573.1	556.1	548.0	543.1
32.5°	601.3	611.6	611.3	624.2	639.8	650.5	633.8	616.8	599.8	590.2	581.6
35°	650.5	648.7	659.4	673.1	698.3	710.5	692.3	672.7	646.8	631.3	624.6
37.5°	696.4	697.2	711.6	733.4	762.3	781.2	765.3	733.1	706.4	686.4	677.2
40°	763.1	764.5	779.3	804.2	836.7	857.1	838.6	806.0	770.5	754.9	754.9
42.5°	841.2	847.5	857.1	878.6	907.8	930.4	913.7	888.2	852.3	832.3	835.3
45°	921.5	924.5	930.8	962.6	976.3	987.4	971.9	960.0	936.0	911.5	907.5
47.5°	996.7	997.8	1016.3	1026.3	1037.0	1027.8	1037.8	1022.2	995.2	971.5	966.7
50°	1030.0	1028.1	1054.4	1084.8	1092.9	1076.6	1068.1	1057.8	1016.7	988.2	975.6
52.5°	933.0	943.7	992.6	1077.0	1140.7	1154.4	1104.8	1057.0	980.4	924.9	916.3
54°	821.9	831.9	872.3	997.4	1130.0	1176.2	1096.3	994.8	886.7	820.8	812.3
55°	712.0	700.9	774.2	901.9	1079.6	1157.0	1062.6	914.5	790.8	730.5	718.6
57.5°	385.4	387.3	449.1	569.8	758.6	887.1	783.4	618.7	467.2	399.5	393.6
60°	122.2	125.1	152.2	230.3	362.5	432.8	371.0	248.4	171.8	137.7	132.2
62.5°	38.1	39.6	43.3	64.4	99.2	141.8	111.1	66.6	49.6	45.5	46.3
65°	23.3	23.3	23.7	25.2	29.6	34.4	33.3	29.2	28.1	27.4	27.0
67.5°	15.2	14.8	15.5	16.7	17.4	17.8	18.9	20.0	19.6	18.9	18.9
70°	9.3	8.9	9.6	11.1	11.5	12.2	13.3	14.8	14.4	13.7	14.1
72.5°	5.2	5.2	5.6	6.7	7.8	8.5	9.6	10.7	11.1	10.7	10.7
75°	1.9	2.2	3.0	4.1	4.8	5.9	7.0	8.1	9.3	8.5	8.1
77.5°	0.7	0.7	1.5	2.6	3.7	4.8	6.7	7.8	8.5	7.8	7.0
80°	0.4	0.4	1.1	2.2	3.3	4.4	5.6	6.7	7.0	6.3	5.6
82.5°	0.4	0.4	1.1	2.2	3.3	4.1	5.9	6.7	7.4	6.7	5.6
85°	0.0	0.4	1.1	2.2	3.0	3.3	3.3	2.2	1.9	1.1	1.1
87.5°	0.0	0.0	0.4	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)