

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: P526193

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

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526193  
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-SA1A-827-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 2700K, 615mA 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: 2042 lumens  
Efficiency: N/A  
Efficacy: 61.9 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

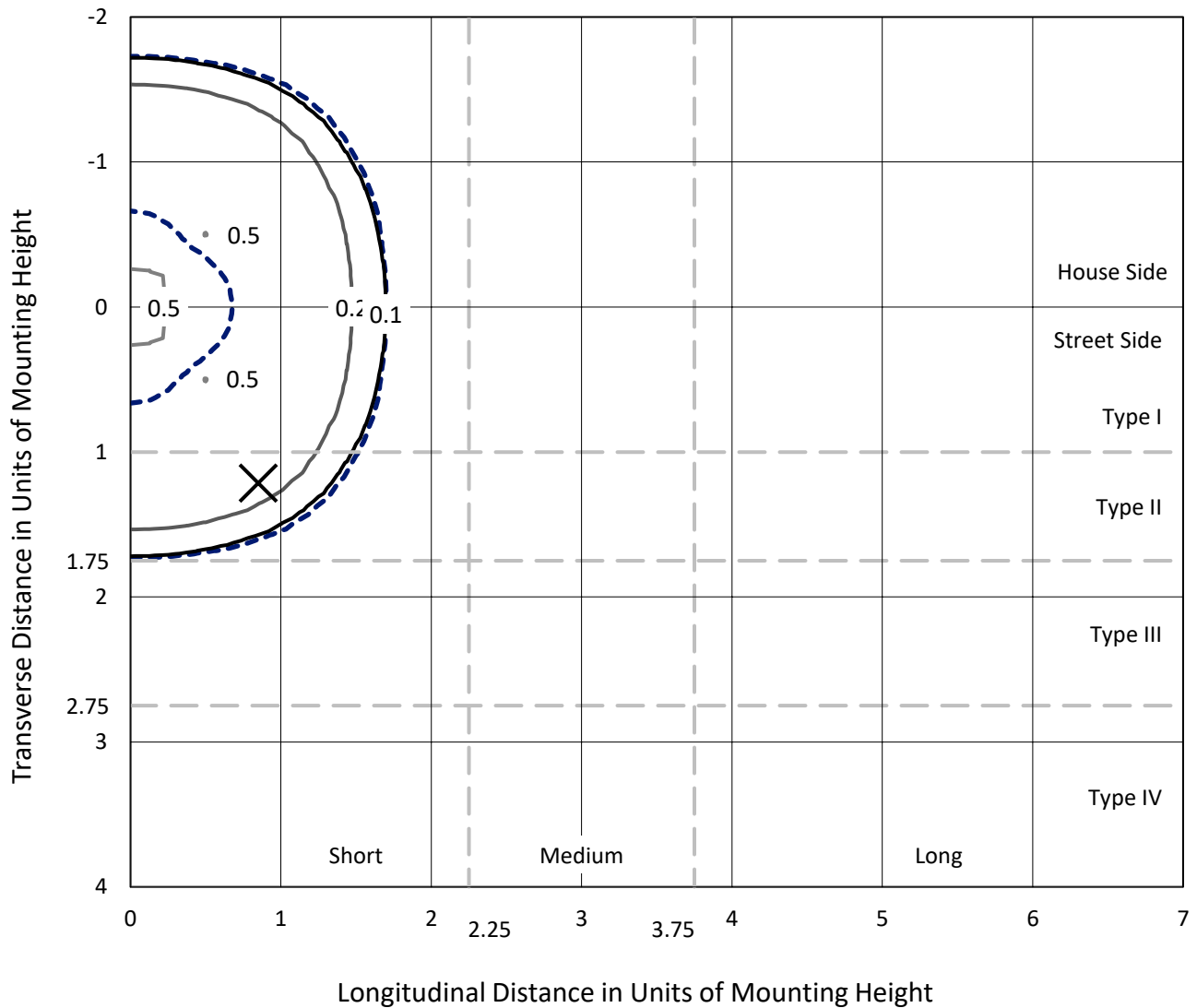
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

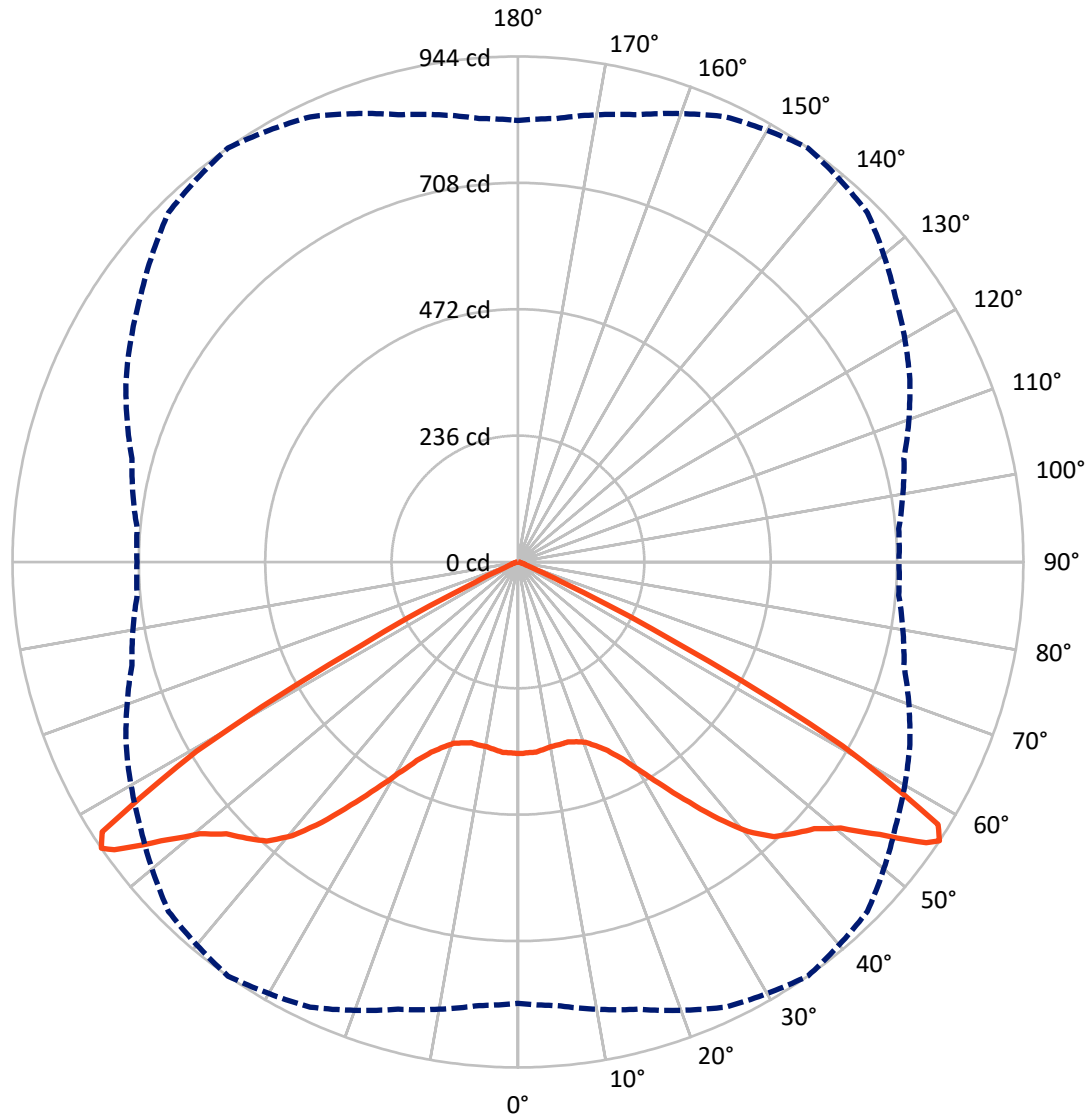
✕ Max cd  
 - - - 1/2 Max cd



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



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

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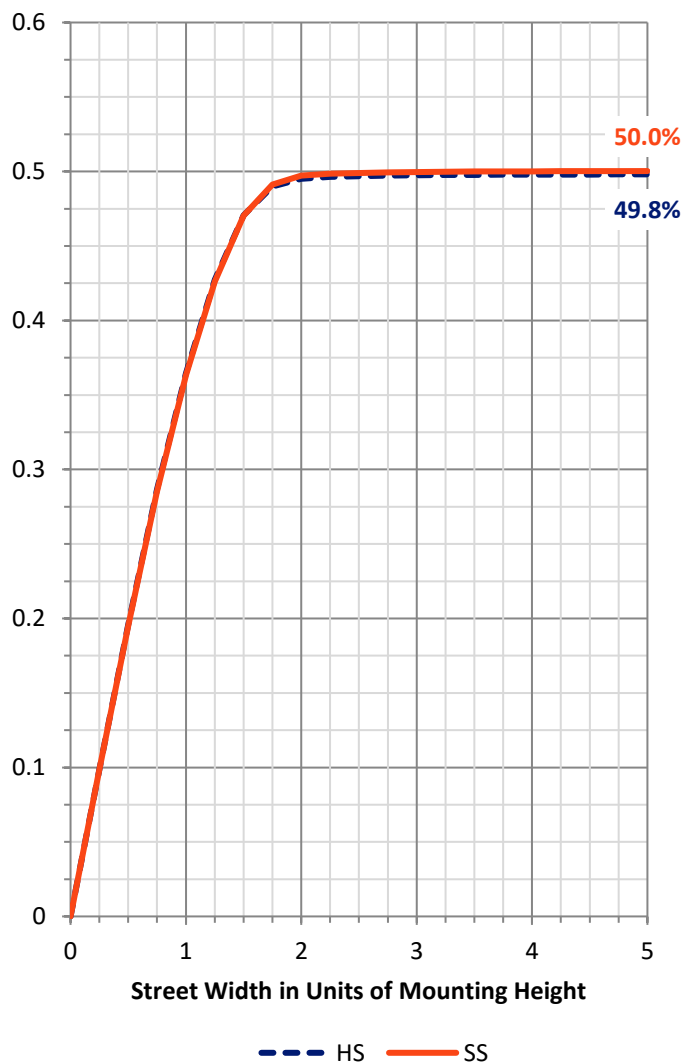
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1021.0	0.0	1021.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1021.0	0.0	1021.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2042.0	0.0	2042.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.6	1.6
10°-20°	98.2	4.8
20°-30°	177.8	8.7
30°-40°	329.7	16.1
40°-50°	541.1	26.5
50°-60°	697.2	34.1
60°-70°	153.6	7.5
70°-80°	8.9	0.4
80°-90°	1.9	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°	2042.0	100.0
0°-180°	2042.0	100.0

**Coefficient of Utilization**

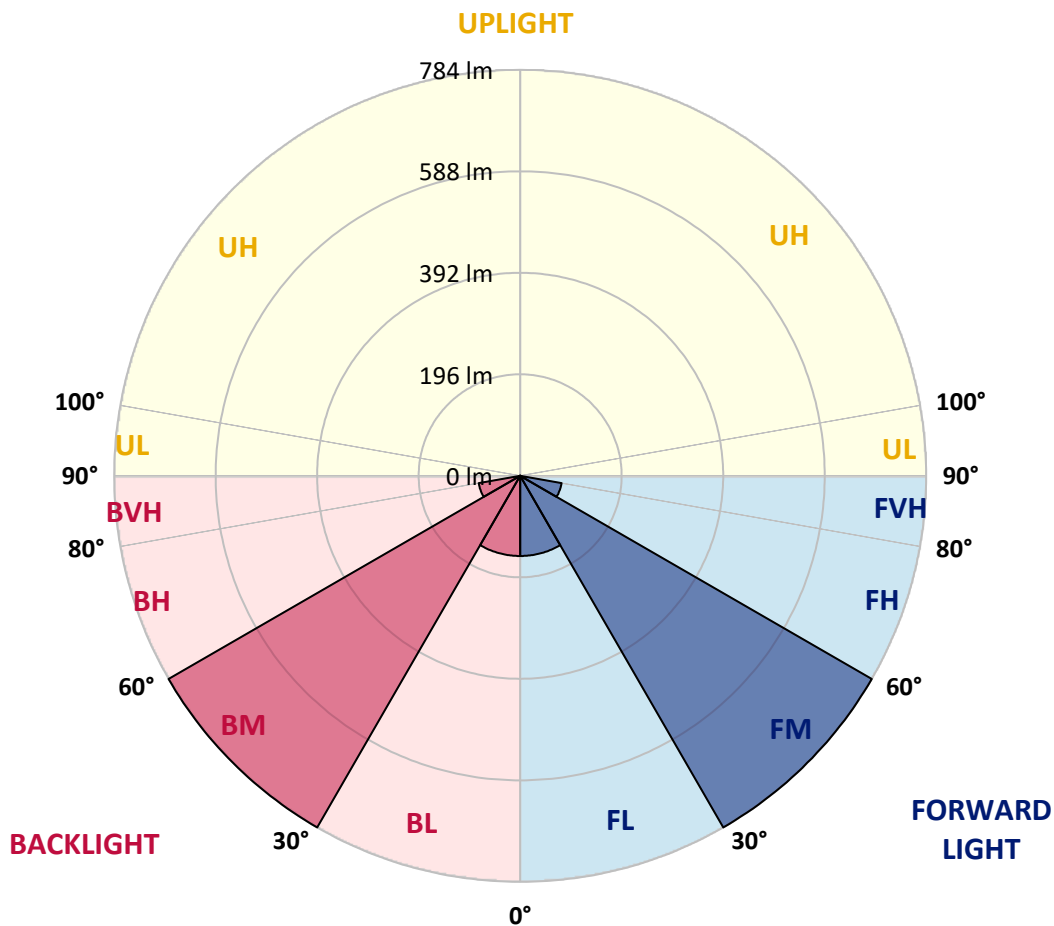


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	154.8	7.6			
FM (30°-60°)	784.0	38.4			
FH (60°-80°)	81.3	4.0			G0/660
FVH (80°-90°)	0.9	0.0			G0/10
BL (0°-30°)	154.8	7.6	B1/500		
BM (30°-60°)	784.0	38.4	B1/1000		
BH (60°-80°)	81.3	4.0	B0/110		G0/660
BVH (80°-90°)	0.9	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°	357.8	357.8	357.8	357.8	357.8	357.8	357.8	357.8	357.8	357.8	357.8
2.5°	358.5	358.5	358.9	359.3	356.7	355.6	356.0	355.2	354.8	356.0	356.0
5°	357.4	357.4	356.3	356.7	356.7	353.4	353.4	354.1	354.1	351.9	351.1
7.5°	354.5	353.7	352.3	354.1	353.0	353.0	350.4	348.6	347.8	349.3	347.8
10°	348.2	348.6	350.0	350.8	350.0	352.3	347.8	345.2	342.6	341.5	341.5
12.5°	345.2	347.4	345.2	347.1	349.7	347.8	345.2	343.4	339.7	338.2	338.2
15°	344.9	346.3	347.1	349.7	348.6	349.3	344.1	341.9	336.3	333.8	332.6
17.5°	344.5	346.3	347.4	352.3	353.0	353.4	349.3	342.6	337.8	335.2	332.6
20°	348.6	349.3	351.5	356.3	359.3	364.5	357.1	350.0	339.7	336.7	335.6
22.5°	353.7	357.4	359.7	364.8	372.6	377.0	367.4	358.5	347.8	344.1	339.7
25°	370.4	369.6	373.3	384.1	390.4	393.7	385.9	373.0	358.9	354.5	355.2
27.5°	391.1	391.8	395.2	407.0	416.3	421.4	412.2	395.2	381.5	374.1	373.3
30°	418.1	417.4	421.1	437.0	453.6	461.4	445.1	425.1	411.8	402.2	404.4
32.5°	446.6	447.0	457.3	471.8	498.8	513.9	487.7	463.3	443.3	436.6	433.3
35°	488.8	490.6	498.8	521.0	550.9	570.6	541.7	512.5	489.5	477.3	478.8
37.5°	541.0	539.1	552.8	576.8	608.3	622.7	598.3	565.0	541.7	533.6	538.7
40°	596.5	598.3	605.3	627.2	662.3	671.9	635.7	617.6	597.2	593.1	599.4
42.5°	652.0	650.9	656.0	675.6	701.2	694.5	673.1	662.3	647.9	639.8	648.3
45°	692.7	690.8	700.4	713.8	723.0	710.4	700.8	697.1	689.7	680.8	688.6
47.5°	732.3	730.8	740.0	743.7	744.5	727.8	729.7	736.3	717.8	699.3	708.2
50°	765.9	763.3	774.8	782.9	781.1	754.5	761.1	754.5	725.6	703.8	700.4
52.5°	822.2	823.3	835.5	850.3	845.8	823.6	814.0	783.7	746.7	727.1	715.6
55°	857.7	852.1	873.2	920.2	925.4	902.5	859.9	815.1	759.6	735.6	732.6
56°	824.4	831.4	864.7	917.3	943.9	922.8	861.0	807.4	746.3	713.8	711.5
57.5°	739.7	736.0	781.1	852.9	925.4	916.5	830.7	751.9	680.8	644.2	639.8
60°	460.3	471.0	510.6	599.4	696.4	700.8	615.7	548.0	465.1	432.5	440.3
62.5°	180.2	170.9	195.7	262.0	328.6	343.4	311.2	258.6	212.4	180.2	178.0
65°	41.8	40.7	45.9	63.3	88.4	102.5	97.3	69.9	51.4	48.8	45.1
67.5°	23.7	23.7	22.6	22.6	24.8	26.3	25.2	24.8	25.9	27.0	26.6
70°	16.7	16.3	15.5	15.9	15.2	15.2	16.3	18.1	19.6	19.6	20.0
72.5°	10.0	10.0	10.0	11.1	11.1	11.1	12.2	13.7	14.1	13.7	13.3
75°	4.4	4.4	5.2	6.3	7.0	7.4	8.5	9.3	10.0	9.3	8.5
77.5°	1.1	1.1	1.9	2.6	3.3	4.1	5.6	6.7	7.0	6.7	5.6
80°	0.4	0.4	0.7	1.9	3.3	4.1	5.6	5.9	6.3	5.6	4.4
82.5°	0.4	0.4	0.7	1.9	2.6	3.3	4.4	5.2	5.6	4.8	4.4
85°	0.0	0.4	0.7	1.5	2.2	3.0	3.0	2.2	1.9	1.1	1.5
87.5°	0.0	0.0	0.4	0.4	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)