

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: P531342

Luminaire Tested: **GALN-SA6C-827-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531342  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6C-827-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27051 lumens  
Efficiency: N/A  
Efficacy: 84.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

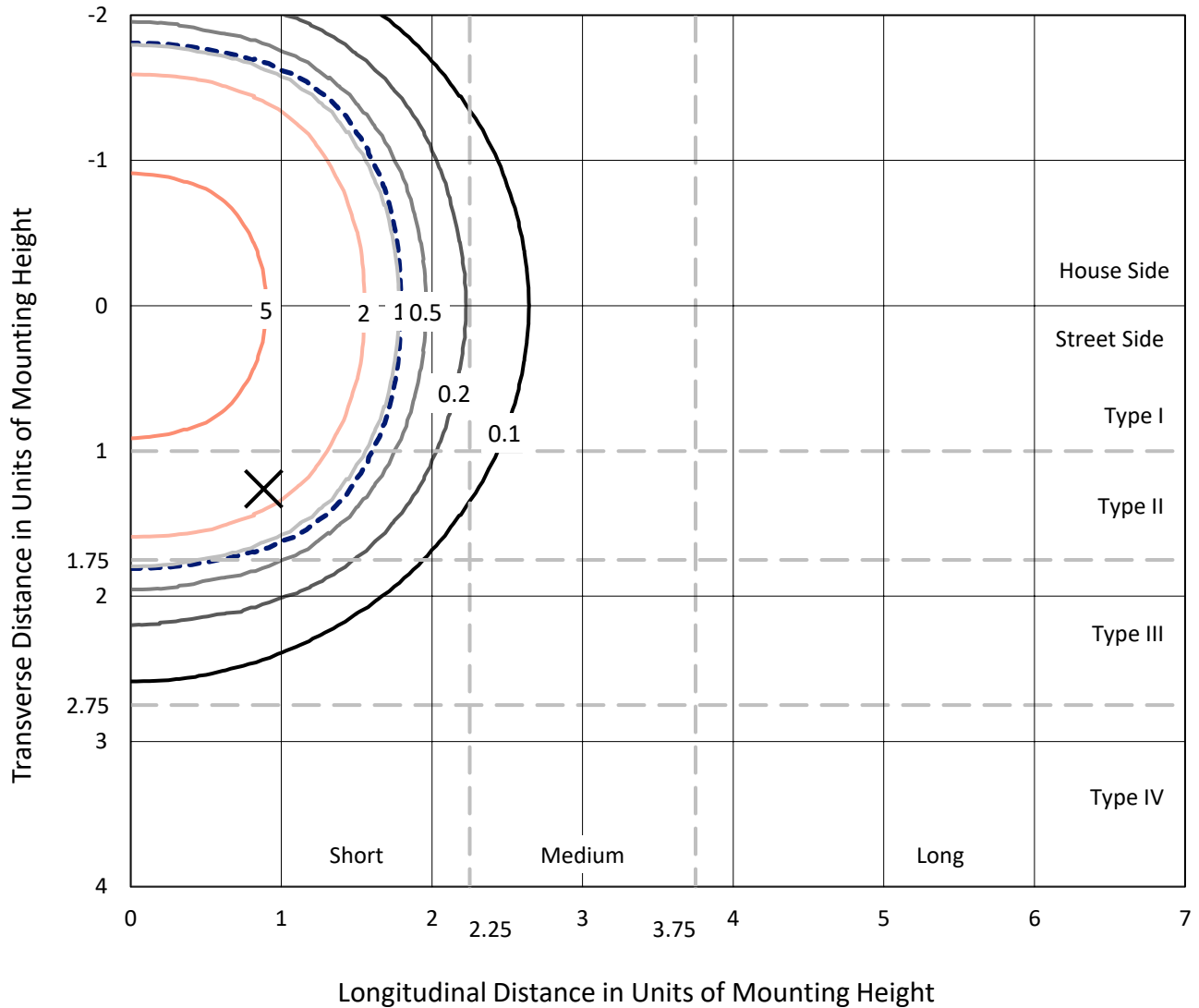
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

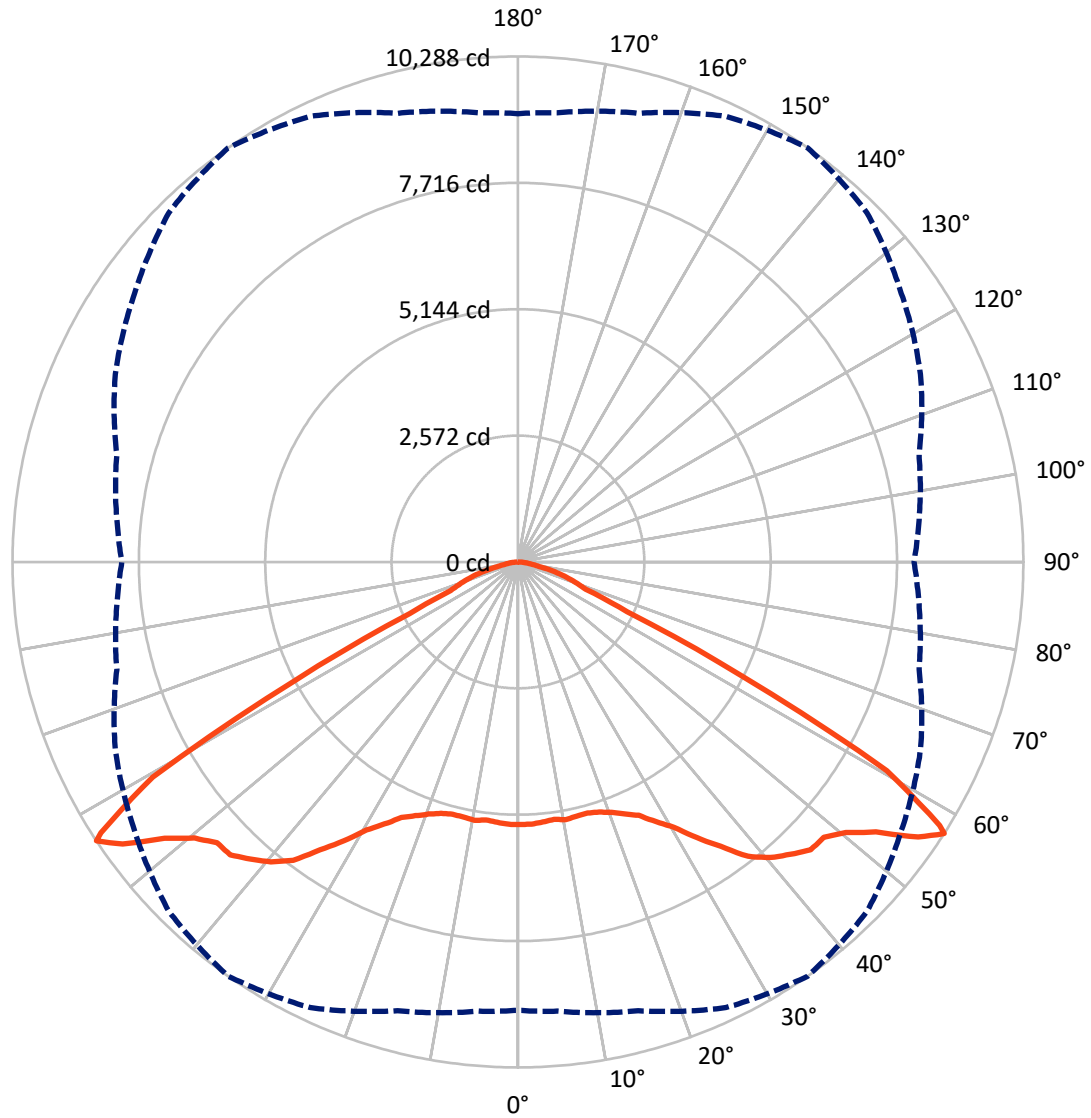
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 57-Deg Vertical

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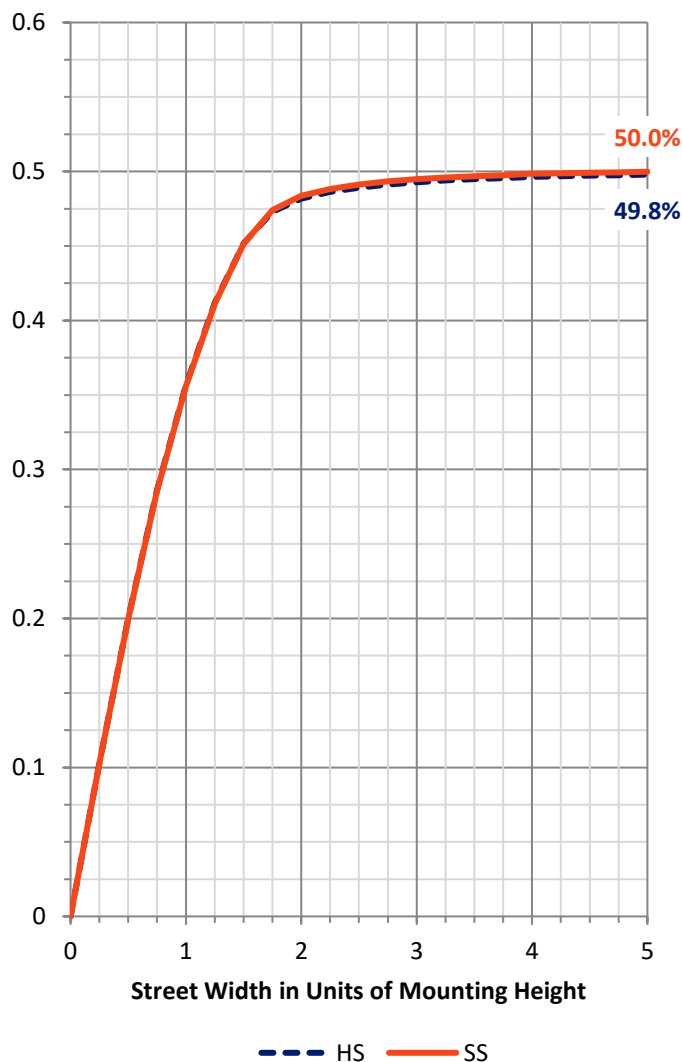
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13525.5	0.0	13525.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13525.5	0.0	13525.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27051.0	0.0	27051.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	506.5	1.9
10°-20°	1500.0	5.5
20°-30°	2619.8	9.7
30°-40°	4292.6	15.9
40°-50°	6294.0	23.3
50°-60°	7927.8	29.3
60°-70°	2981.6	11.0
70°-80°	792.8	2.9
80°-90°	135.9	0.5
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°	27051.0	100.0
0°-180°	27051.0	100.0

**Coefficient of Utilization**



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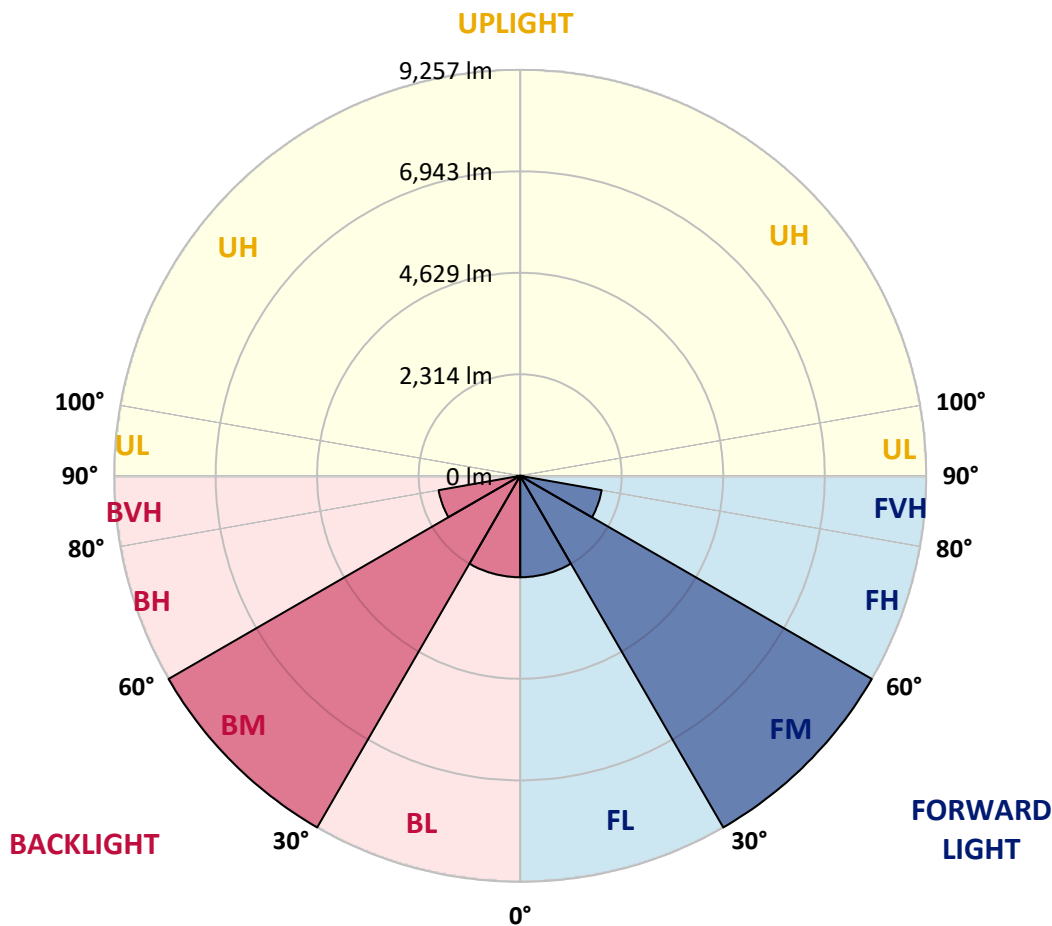
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2313.2	8.6			
FM (30°-60°)	9257.2	34.2			
FH (60°-80°)	1887.2	7.0			G2/5000
FVH (80°-90°)	68.0	0.3			G1/100
BL (0°-30°)	2313.2	8.6	B3/2500		
BM (30°-60°)	9257.2	34.2	B5		
BH (60°-80°)	1887.2	7.0	B3/2500		G2/5000
BVH (80°-90°)	68.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5342.4	5342.4	5342.4	5342.4	5342.4	5342.4	5342.4	5342.4	5342.4	5342.4	5342.4
2.5°	5315.7	5369.0	5345.7	5332.4	5342.4	5325.7	5299.0	5329.0	5322.4	5295.7	5285.7
5°	5302.4	5342.4	5315.7	5342.4	5315.7	5362.4	5349.0	5299.0	5359.0	5302.4	5322.4
7.5°	5292.4	5305.7	5312.4	5299.0	5289.0	5345.7	5315.7	5292.4	5259.1	5249.1	5265.7
10°	5269.1	5302.4	5252.4	5319.0	5332.4	5292.4	5292.4	5249.1	5222.4	5205.7	5262.4
12.5°	5329.0	5272.4	5265.7	5299.0	5309.0	5325.7	5279.1	5255.7	5205.7	5212.4	5202.4
15°	5259.1	5282.4	5285.7	5292.4	5302.4	5342.4	5299.0	5249.1	5229.1	5159.1	5165.7
17.5°	5285.7	5262.4	5285.7	5362.4	5349.0	5379.0	5332.4	5255.7	5209.1	5169.1	5222.4
20°	5332.4	5322.4	5332.4	5425.7	5442.4	5469.0	5429.0	5359.0	5269.1	5222.4	5249.1
22.5°	5382.4	5375.7	5382.4	5472.3	5569.0	5602.3	5562.3	5399.0	5352.4	5265.7	5235.7
25°	5472.3	5479.0	5549.0	5649.0	5712.3	5775.6	5702.3	5585.7	5435.7	5382.4	5319.0
27.5°	5672.3	5689.0	5729.0	5875.6	5985.6	6042.2	5938.9	5779.0	5685.6	5575.7	5559.0
30°	5918.9	5918.9	5988.9	6115.6	6265.5	6352.2	6225.5	6035.6	5922.3	5862.3	5825.6
32.5°	6245.5	6208.9	6235.5	6458.8	6692.1	6765.5	6595.5	6362.2	6182.2	6102.2	6075.6
35°	6525.5	6548.8	6608.8	6848.8	7108.7	7278.7	7012.1	6708.8	6525.5	6452.2	6438.8
37.5°	6888.8	6928.8	6958.7	7288.7	7602.0	7665.3	7408.7	7165.4	6942.1	6882.1	6848.8
40°	7402.0	7375.3	7385.3	7628.6	7911.9	7951.9	7698.6	7525.3	7342.0	7305.4	7305.4
42.5°	7825.3	7795.3	7828.6	7918.6	8135.2	8105.2	7965.2	7838.6	7761.9	7721.9	7761.9
45°	8081.9	8075.2	8135.2	8201.9	8355.2	8255.2	8145.2	8165.2	8091.9	8025.2	8021.9
47.5°	8361.8	8318.5	8391.8	8491.8	8375.2	8328.5	8321.8	8365.2	8341.8	8225.2	8188.5
50°	8498.5	8481.8	8598.5	8715.1	8651.8	8545.1	8568.5	8638.4	8338.5	8181.9	8091.9
52.5°	8865.1	8868.4	9091.7	9155.0	9128.4	8971.7	9021.7	8831.7	8478.5	8258.5	8268.5
55°	9441.6	9418.3	9668.3	9854.9	9884.9	9684.9	9445.0	9178.4	8735.1	8511.8	8445.1
57°	9125.0	9178.4	9455.0	10008.2	10288.2	10051.5	9528.3	9041.7	8451.8	8181.9	8061.9
57.5°	8701.8	8788.4	9268.3	9824.9	10118.2	10098.2	9425.0	8788.4	8261.8	7841.9	7851.9
60°	6375.5	6392.2	6825.4	7708.6	8625.1	8645.1	7825.3	6982.1	6395.5	5938.9	6002.3
62.5°	3362.7	3439.4	3612.7	4322.6	5115.7	5309.0	4812.5	4379.2	3872.6	3526.0	3559.4
65°	1779.7	1769.7	1853.0	2053.0	2442.9	2542.9	2476.2	2132.9	1956.3	1899.7	1903.0
67.5°	1446.4	1463.1	1453.1	1463.1	1489.7	1533.1	1523.1	1536.4	1546.4	1563.1	1559.7
70°	1226.4	1226.4	1233.1	1236.4	1236.4	1256.4	1279.8	1323.1	1326.4	1343.1	1349.8
72.5°	966.5	959.8	969.8	993.2	996.5	1013.2	1046.5	1073.1	1083.1	1083.1	1063.1
75°	656.5	663.2	676.5	696.5	716.5	746.5	773.2	789.9	796.5	786.5	776.5
77.5°	369.9	376.6	386.6	416.6	439.9	466.6	496.6	513.2	529.9	533.2	513.2
80°	220.0	220.0	236.6	260.0	286.6	313.3	339.9	359.9	366.6	366.6	356.6
82.5°	133.3	136.6	150.0	173.3	196.6	213.3	236.6	253.3	266.6	263.3	256.6
85°	70.0	70.0	83.3	103.3	120.0	136.6	136.6	126.6	120.0	103.3	96.6
87.5°	23.3	20.0	26.7	26.7	23.3	26.7	26.7	30.0	30.0	30.0	30.0
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)