

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: P532278

Luminaire Tested: **GALN-SA7C-827-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532278  
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-SA7C-827-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 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: 31774 lumens  
Efficiency: N/A  
Efficacy: 84.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

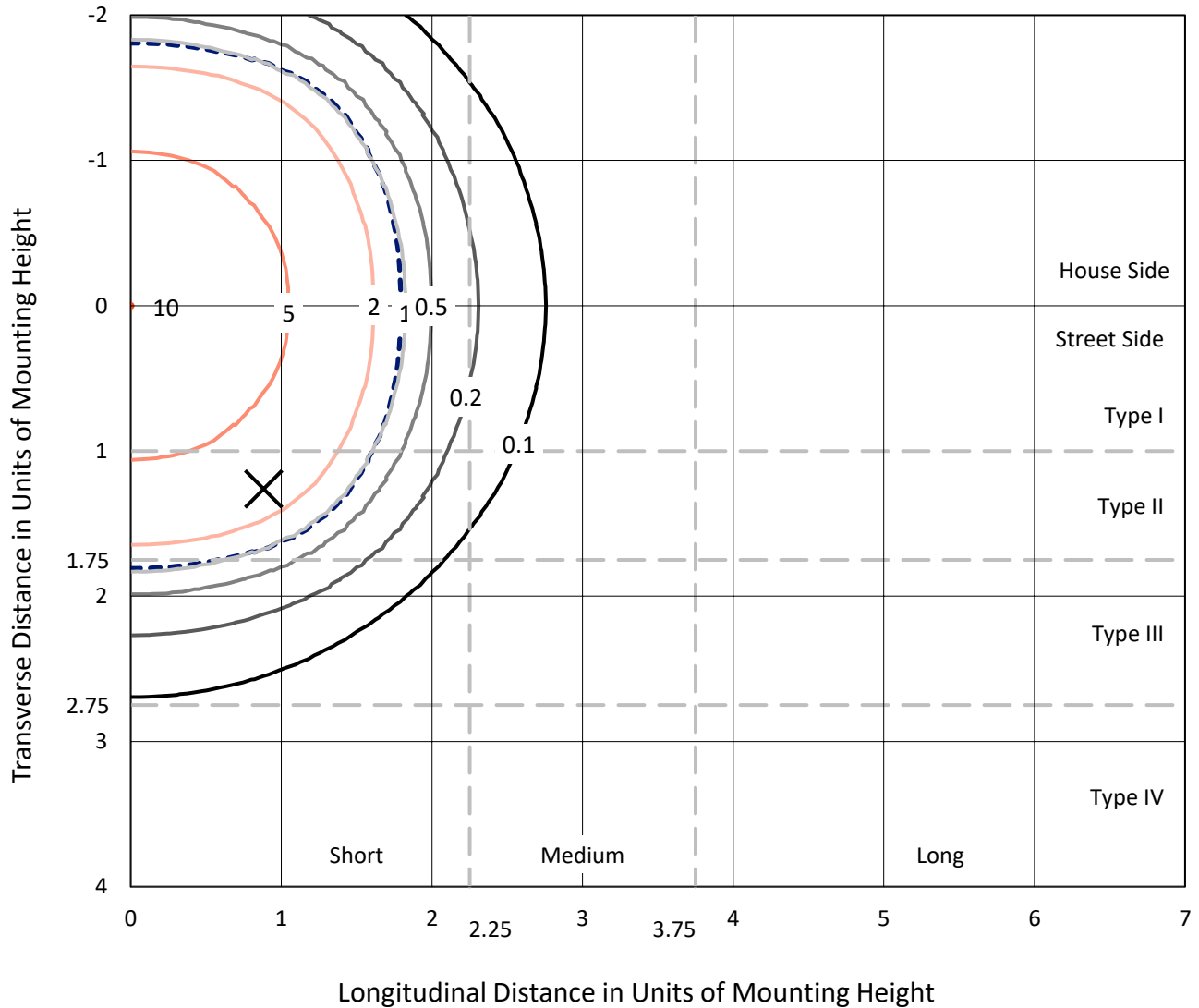
Input Watts (W): 377  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

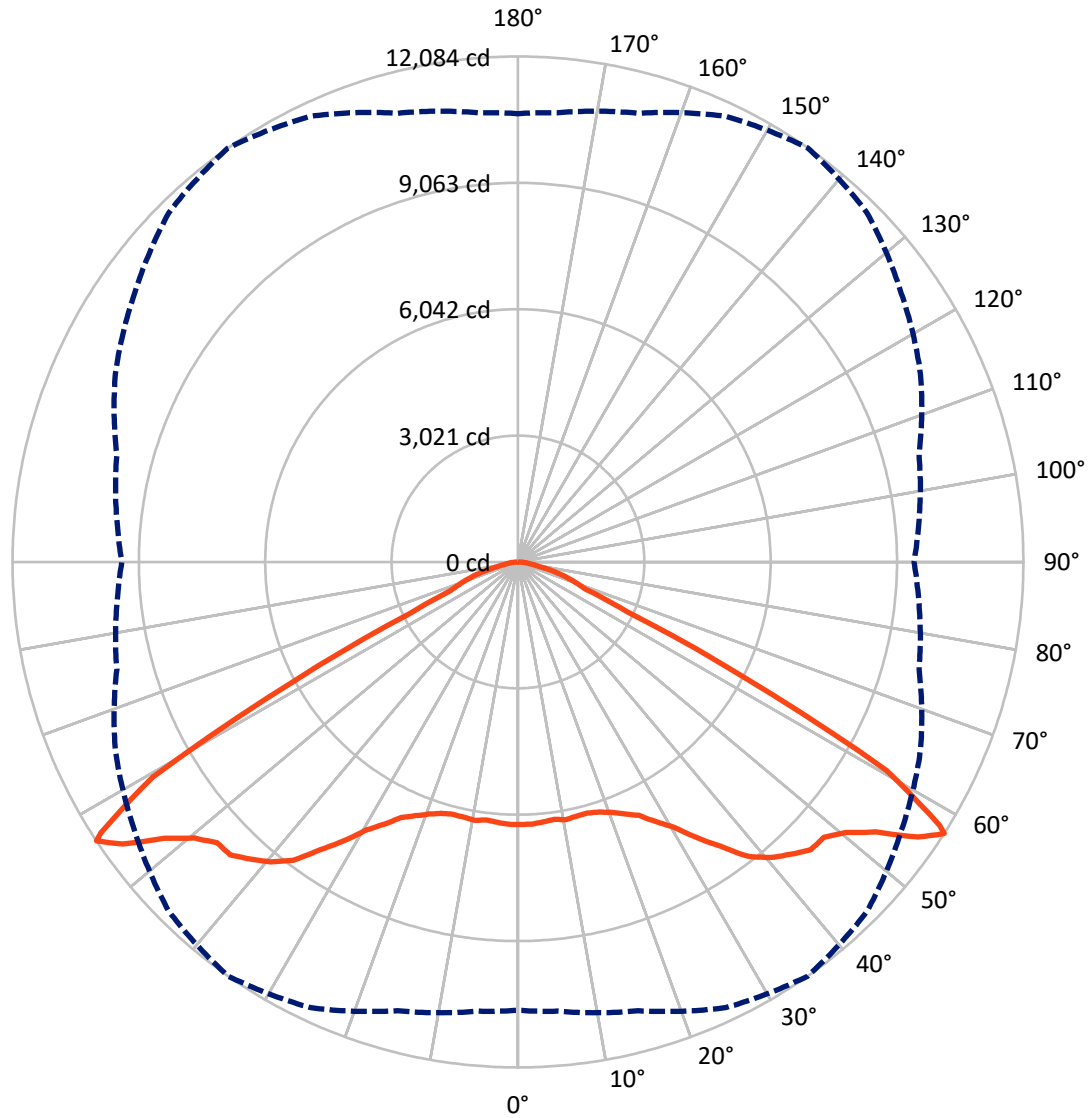
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 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	15887.0	0.0	15887.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15887.0	0.0	15887.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31774.0	0.0	31774.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	594.9	1.9
10°-20°	1761.9	5.5
20°-30°	3077.2	9.7
30°-40°	5042.1	15.9
40°-50°	7392.9	23.3
50°-60°	9312.0	29.3
60°-70°	3502.1	11.0
70°-80°	931.2	2.9
80°-90°	159.7	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°	31774.0	100.0
0°-180°	31774.0	100.0



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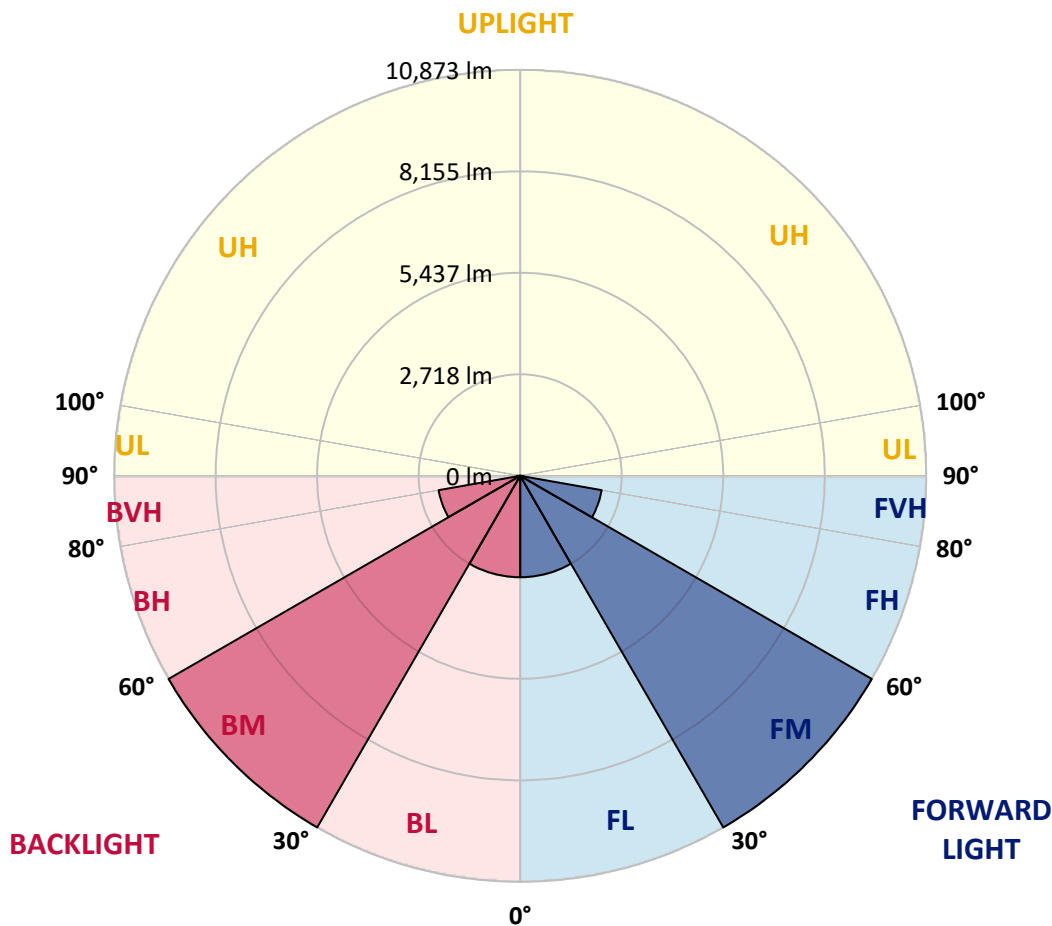
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2717.0	8.6			
FM (30°-60°)	10873.5	34.2			
FH (60°-80°)	2216.7	7.0			G2/5000
FVH (80°-90°)	79.8	0.3			G1/100
BL (0°-30°)	2717.0	8.6	B4/5000		
BM (30°-60°)	10873.5	34.2	B5		
BH (60°-80°)	2216.7	7.0	B3/2500		G2/5000
BVH (80°-90°)	79.8	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°	6275.1	6275.1	6275.1	6275.1	6275.1	6275.1	6275.1	6275.1	6275.1	6275.1	6275.1
2.5°	6243.8	6306.4	6279.0	6263.4	6275.1	6255.6	6224.2	6259.5	6251.6	6220.3	6208.6
5°	6228.2	6275.1	6243.8	6275.1	6243.8	6298.6	6283.0	6224.2	6294.7	6228.2	6251.6
7.5°	6216.4	6232.1	6239.9	6224.2	6212.5	6279.0	6243.8	6216.4	6177.3	6165.5	6185.1
10°	6189.0	6228.2	6169.4	6247.7	6263.4	6216.4	6216.4	6165.5	6134.2	6114.6	6181.2
12.5°	6259.5	6192.9	6185.1	6224.2	6236.0	6255.6	6200.8	6173.4	6114.6	6122.5	6110.7
15°	6177.3	6204.7	6208.6	6216.4	6228.2	6275.1	6224.2	6165.5	6142.0	6059.8	6067.7
17.5°	6208.6	6181.2	6208.6	6298.6	6283.0	6318.2	6263.4	6173.4	6118.5	6071.6	6134.2
20°	6263.4	6251.6	6263.4	6373.0	6392.6	6423.9	6376.9	6294.7	6189.0	6134.2	6165.5
22.5°	6322.1	6314.3	6322.1	6427.8	6541.3	6580.5	6533.5	6341.7	6286.9	6185.1	6149.9
25°	6427.8	6435.6	6517.8	6635.3	6709.7	6784.0	6697.9	6560.9	6384.7	6322.1	6247.7
27.5°	6662.7	6682.3	6729.2	6901.5	7030.7	7097.2	6975.8	6787.9	6678.3	6549.2	6529.6
30°	6952.4	6952.4	7034.6	7183.3	7359.5	7461.3	7312.5	7089.4	6956.3	6885.8	6842.8
32.5°	7336.0	7292.9	7324.2	7586.5	7860.6	7946.7	7747.0	7473.0	7261.6	7167.7	7136.3
35°	7664.8	7692.2	7762.7	8044.5	8349.9	8549.5	8236.4	7880.1	7664.8	7578.7	7563.0
37.5°	8091.5	8138.5	8173.7	8561.3	8929.2	9003.6	8702.2	8416.4	8154.1	8083.7	8044.5
40°	8694.4	8663.0	8674.8	8960.6	9293.3	9340.3	9042.8	8839.2	8623.9	8580.8	8580.8
42.5°	9191.5	9156.3	9195.4	9301.1	9555.6	9520.3	9355.9	9207.2	9117.1	9070.2	9117.1
45°	9492.9	9485.1	9555.6	9633.9	9813.9	9696.5	9567.3	9590.8	9504.7	9426.4	9422.5
47.5°	9821.8	9770.9	9857.0	9974.4	9837.4	9782.6	9774.8	9825.7	9798.3	9661.3	9618.2
50°	9982.3	9962.7	10099.7	10236.7	10162.3	10037.1	10064.5	10146.7	9794.4	9610.4	9504.7
52.5°	10412.9	10416.8	10679.1	10753.5	10722.1	10538.1	10596.9	10373.7	9958.8	9700.4	9712.2
55°	11090.1	11062.7	11356.3	11575.5	11610.8	11375.9	11094.0	10780.9	10260.2	9997.9	9919.6
57°	10718.2	10780.9	11105.8	11755.6	12084.4	11806.5	11191.9	10620.4	9927.5	9610.4	9469.5
57.5°	10221.1	10322.8	10886.5	11540.3	11884.8	11861.3	11070.5	10322.8	9704.3	9211.1	9222.8
60°	7488.7	7508.2	8017.1	9054.5	10131.0	10154.5	9191.5	8201.1	7512.1	6975.8	7050.2
62.5°	3949.8	4039.9	4243.4	5077.3	6008.9	6236.0	5652.7	5143.8	4548.8	4141.7	4180.8
65°	2090.4	2078.7	2176.5	2411.4	2869.4	2986.9	2908.6	2505.4	2297.9	2231.3	2235.2
67.5°	1698.9	1718.5	1706.8	1718.5	1749.8	1800.7	1789.0	1804.6	1816.4	1836.0	1832.0
70°	1440.6	1440.6	1448.4	1452.3	1452.3	1475.8	1503.2	1554.1	1558.0	1577.6	1585.4
72.5°	1135.2	1127.4	1139.2	1166.6	1170.5	1190.0	1229.2	1260.5	1272.3	1272.3	1248.8
75°	771.2	779.0	794.7	818.2	841.6	876.9	908.2	927.8	935.6	923.8	912.1
77.5°	434.5	442.4	454.1	489.3	516.7	548.0	583.3	602.9	622.4	626.3	602.9
80°	258.4	258.4	277.9	305.3	336.7	368.0	399.3	422.8	430.6	430.6	418.9
82.5°	156.6	160.5	176.2	203.6	231.0	250.5	277.9	297.5	313.2	309.3	301.4
85°	82.2	82.2	97.9	121.4	140.9	160.5	160.5	148.8	140.9	121.4	113.5
87.5°	27.4	23.5	31.3	31.3	27.4	31.3	31.3	35.2	35.2	35.2	35.2
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)