

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: P531420

Luminaire Tested: **GALN-SA6D-727-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531420  
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-SA6D-727-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 2700K, 1200mA 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: 33862 lumens  
Efficiency: N/A  
Efficacy: 92.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

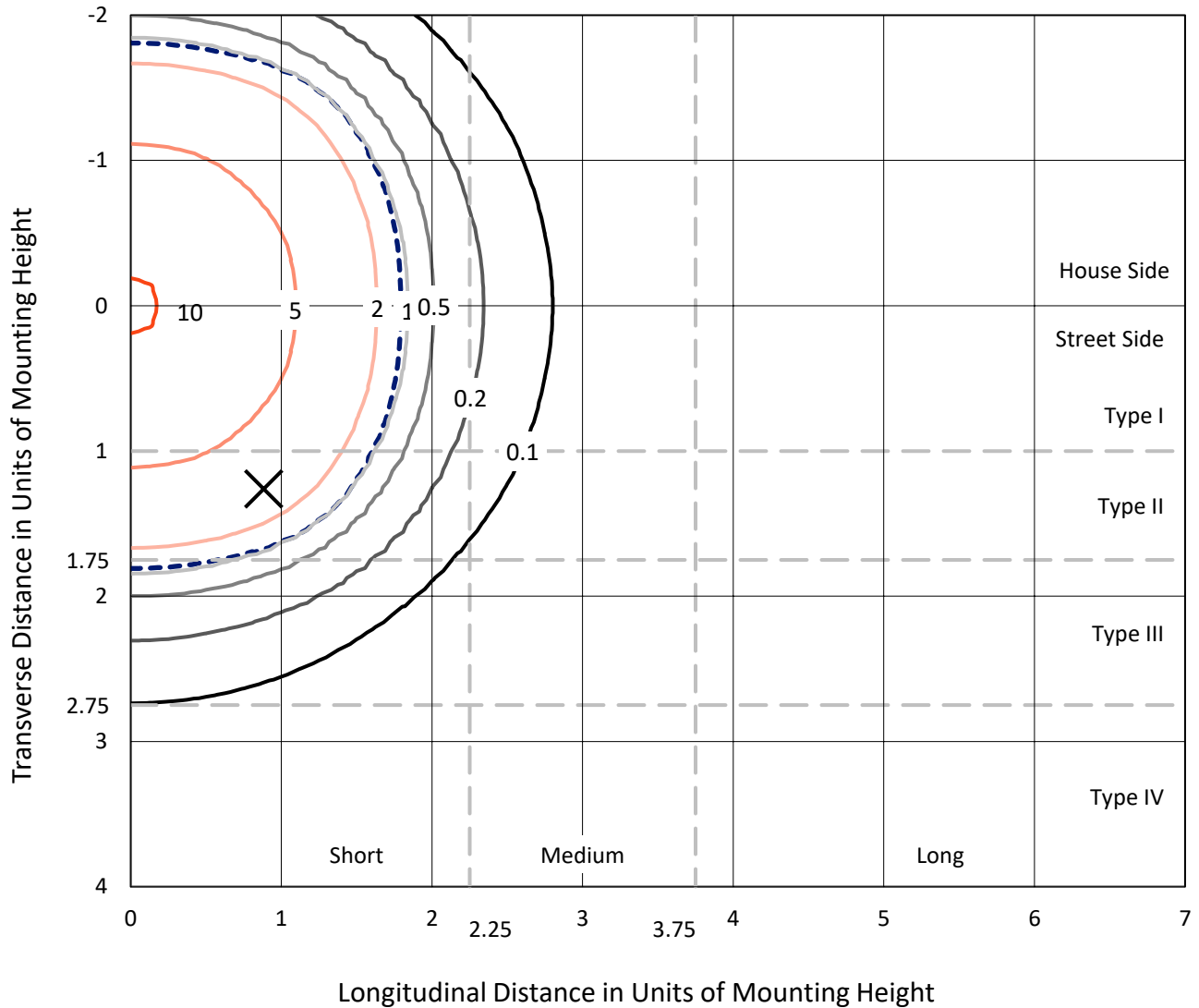
Input Watts (W): 368  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

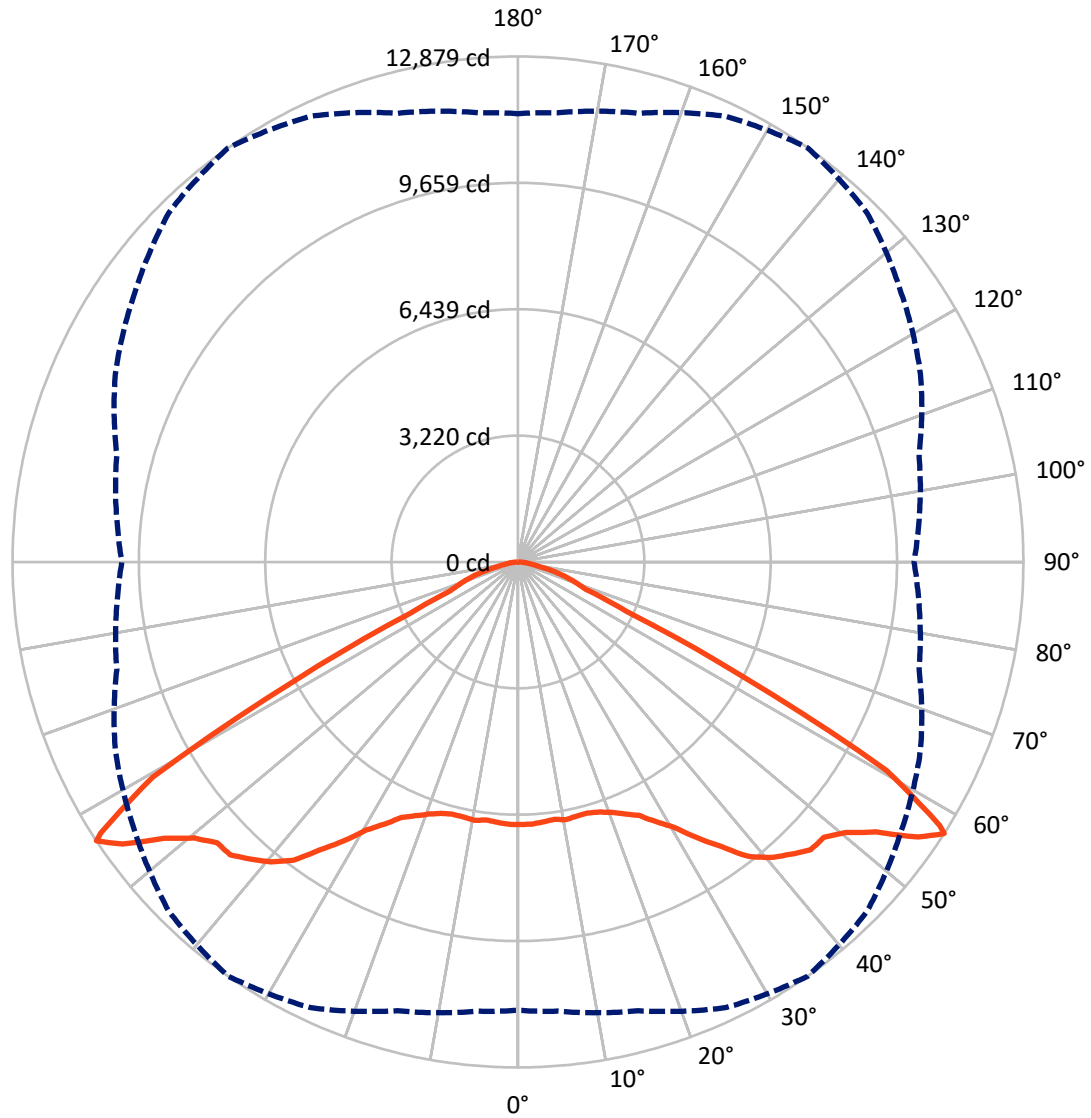
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 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	16931.0	0.0	16931.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16931.0	0.0	16931.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	33862.0	0.0	33862.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	634.0	1.9
10°-20°	1877.7	5.5
20°-30°	3279.4	9.7
30°-40°	5373.4	15.9
40°-50°	7878.7	23.3
50°-60°	9923.9	29.3
60°-70°	3732.3	11.0
70°-80°	992.4	2.9
80°-90°	170.1	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°	33862.0	100.0
0°-180°	33862.0	100.0

**Coefficient of Utilization**



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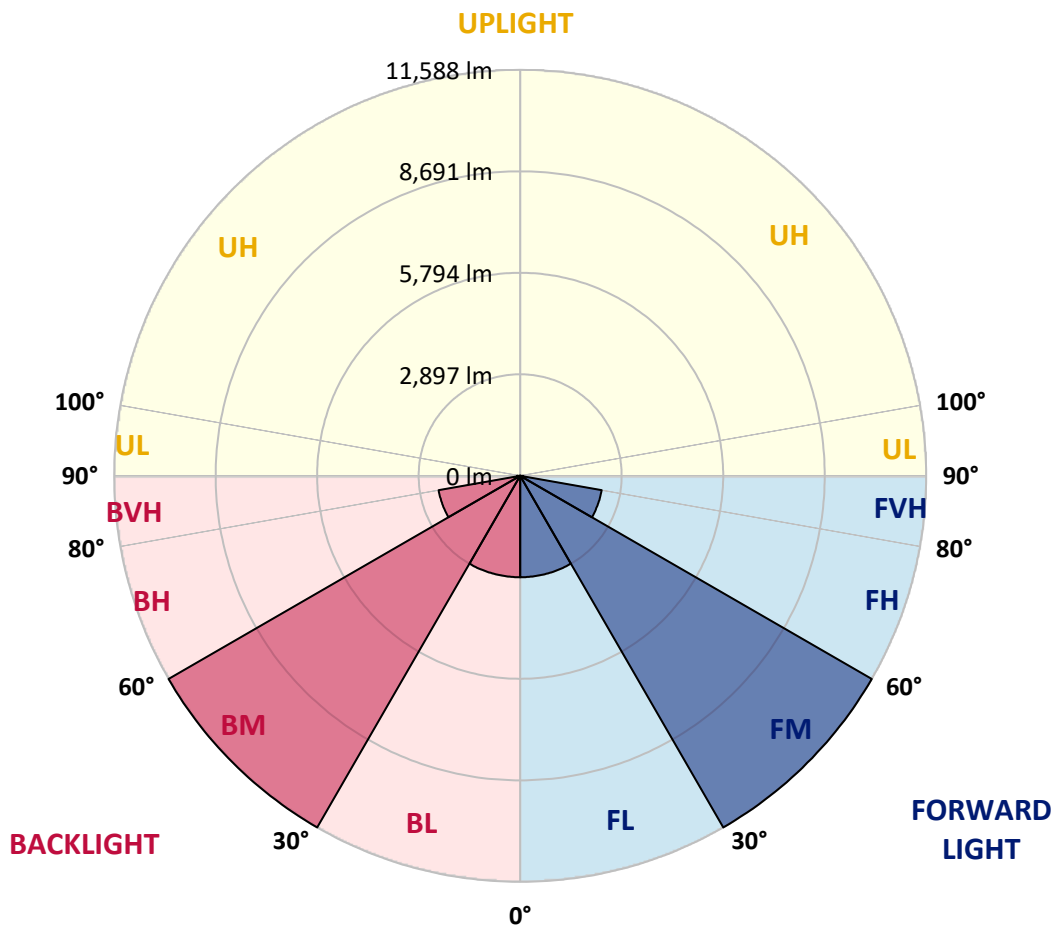
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2895.6	8.6			
FM (30°-60°)	11588.0	34.2			
FH (60°-80°)	2362.3	7.0			G2/5000
FVH (80°-90°)	85.1	0.3			G1/100
BL (0°-30°)	2895.6	8.6	B4/5000		
BM (30°-60°)	11588.0	34.2	B5		
BH (60°-80°)	2362.3	7.0	B3/2500		G2/5000
BVH (80°-90°)	85.1	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°	6687.5	6687.5	6687.5	6687.5	6687.5	6687.5	6687.5	6687.5	6687.5	6687.5	6687.5
2.5°	6654.1	6720.9	6691.7	6675.0	6687.5	6666.6	6633.3	6670.8	6662.5	6629.1	6616.6
5°	6637.4	6687.5	6654.1	6687.5	6654.1	6712.5	6695.8	6633.3	6708.4	6637.4	6662.5
7.5°	6624.9	6641.6	6649.9	6633.3	6620.7	6691.7	6654.1	6624.9	6583.2	6570.7	6591.5
10°	6595.7	6637.4	6574.9	6658.3	6675.0	6624.9	6624.9	6570.7	6537.3	6516.4	6587.4
12.5°	6670.8	6599.9	6591.5	6633.3	6645.8	6666.6	6608.2	6579.0	6516.4	6524.8	6512.3
15°	6583.2	6612.4	6616.6	6624.9	6637.4	6687.5	6633.3	6570.7	6545.7	6458.0	6466.4
17.5°	6616.6	6587.4	6616.6	6712.5	6695.8	6733.4	6675.0	6579.0	6520.6	6470.6	6537.3
20°	6675.0	6662.5	6675.0	6791.8	6812.7	6846.0	6796.0	6708.4	6595.7	6537.3	6570.7
22.5°	6737.6	6729.2	6737.6	6850.2	6971.2	7012.9	6962.8	6758.4	6700.0	6591.5	6554.0
25°	6850.2	6858.5	6946.2	7071.3	7150.6	7229.8	7138.1	6992.0	6804.3	6737.6	6658.3
27.5°	7100.5	7121.4	7171.4	7355.0	7492.7	7563.6	7434.3	7234.0	7117.2	6979.5	6958.7
30°	7409.2	7409.2	7496.8	7655.4	7843.1	7951.6	7793.0	7555.2	7413.4	7338.3	7292.4
32.5°	7818.1	7772.2	7805.6	8085.1	8377.1	8468.9	8256.1	7964.1	7738.8	7638.7	7605.3
35°	8168.5	8197.7	8272.8	8573.2	8898.6	9111.3	8777.6	8398.0	8168.5	8076.7	8060.0
37.5°	8623.2	8673.3	8710.8	9123.9	9516.0	9595.3	9274.1	8969.5	8690.0	8614.9	8573.2
40°	9265.7	9232.3	9244.8	9549.4	9904.0	9954.1	9637.0	9420.1	9190.6	9144.7	9144.7
42.5°	9795.5	9758.0	9799.7	9912.3	10183.5	10146.0	9970.8	9812.2	9716.3	9666.2	9716.3
45°	10116.8	10108.4	10183.5	10267.0	10458.9	10333.7	10196.0	10221.1	10129.3	10045.8	10041.7
47.5°	10467.2	10413.0	10504.7	10629.9	10483.9	10425.5	10417.1	10471.4	10442.2	10296.2	10250.3
50°	10638.2	10617.4	10763.4	10909.4	10830.2	10696.7	10725.9	10813.5	10438.0	10241.9	10129.3
52.5°	11097.2	11101.3	11380.8	11460.1	11426.7	11230.7	11293.2	11055.4	10613.2	10337.9	10350.4
55°	11818.9	11789.7	12102.6	12336.2	12373.7	12123.4	11823.1	11489.3	10934.5	10654.9	10571.5
57°	11422.6	11489.3	11835.6	12528.1	12878.5	12582.3	11927.4	11318.3	10579.8	10241.9	10091.7
57.5°	10892.7	11001.2	11601.9	12298.7	12665.8	12640.7	11798.0	11001.2	10342.0	9816.4	9828.9
60°	7980.8	8001.6	8544.0	9649.5	10796.8	10821.8	9795.5	8740.1	8005.8	7434.3	7513.5
62.5°	4209.4	4305.4	4522.3	5410.9	6403.8	6645.8	6024.2	5481.8	4847.7	4413.8	4455.5
65°	2227.8	2215.3	2319.6	2569.9	3058.0	3183.1	3099.7	2670.0	2448.9	2378.0	2382.1
67.5°	1810.6	1831.4	1818.9	1831.4	1864.8	1919.1	1906.5	1923.2	1935.7	1956.6	1952.4
70°	1535.2	1535.2	1543.6	1547.8	1547.8	1572.8	1602.0	1656.2	1660.4	1681.3	1689.6
72.5°	1209.8	1201.5	1214.0	1243.2	1247.4	1268.2	1310.0	1343.3	1355.9	1355.9	1330.8
75°	821.9	830.2	846.9	871.9	897.0	934.5	967.9	988.7	997.1	984.6	972.0
77.5°	463.1	471.4	483.9	521.5	550.7	584.1	621.6	642.5	663.3	667.5	642.5
80°	275.3	275.3	296.2	325.4	358.8	392.2	425.5	450.6	458.9	458.9	446.4
82.5°	166.9	171.0	187.7	216.9	246.1	267.0	296.2	317.1	333.7	329.6	321.2
85°	87.6	87.6	104.3	129.3	150.2	171.0	171.0	158.5	150.2	129.3	121.0
87.5°	29.2	25.0	33.4	33.4	29.2	33.4	33.4	37.5	37.5	37.5	37.5
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)