

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: P530725

Luminaire Tested: **GALN-SA6A-727-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530725  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6A-727-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14656 lumens  
Efficiency: N/A  
Efficacy: 80.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

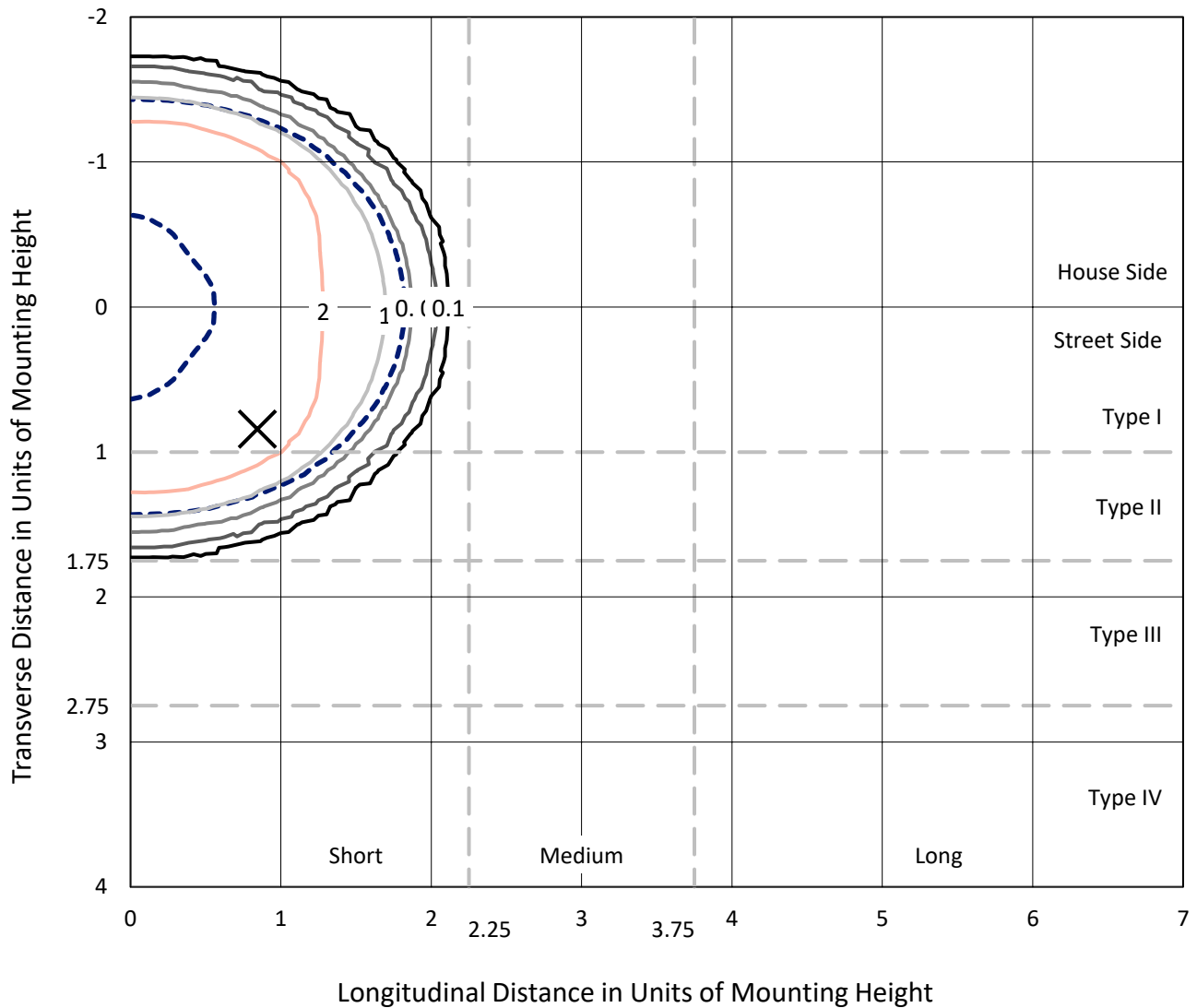
Input Watts (W): 182  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

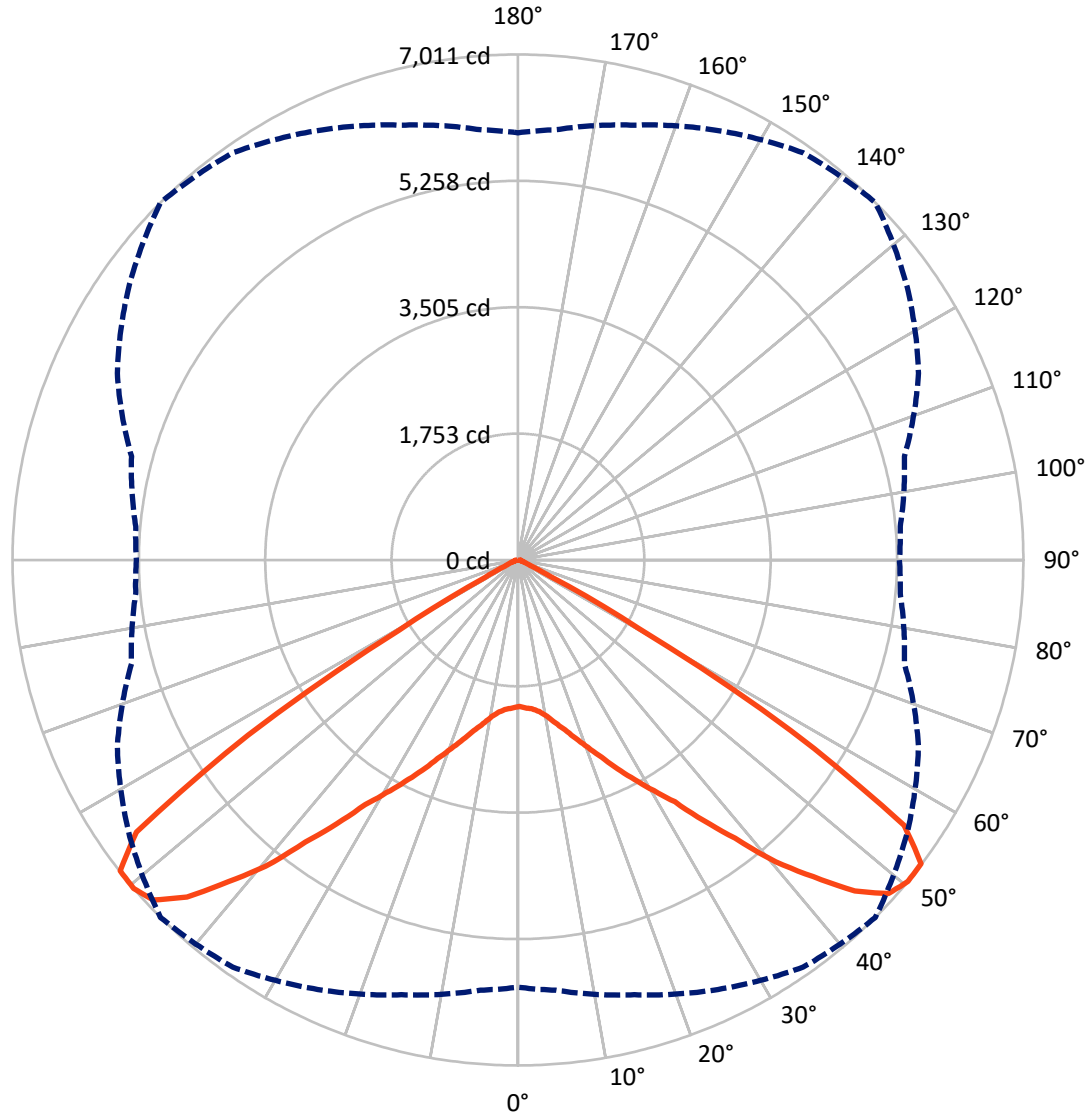
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 50-Deg Vertical

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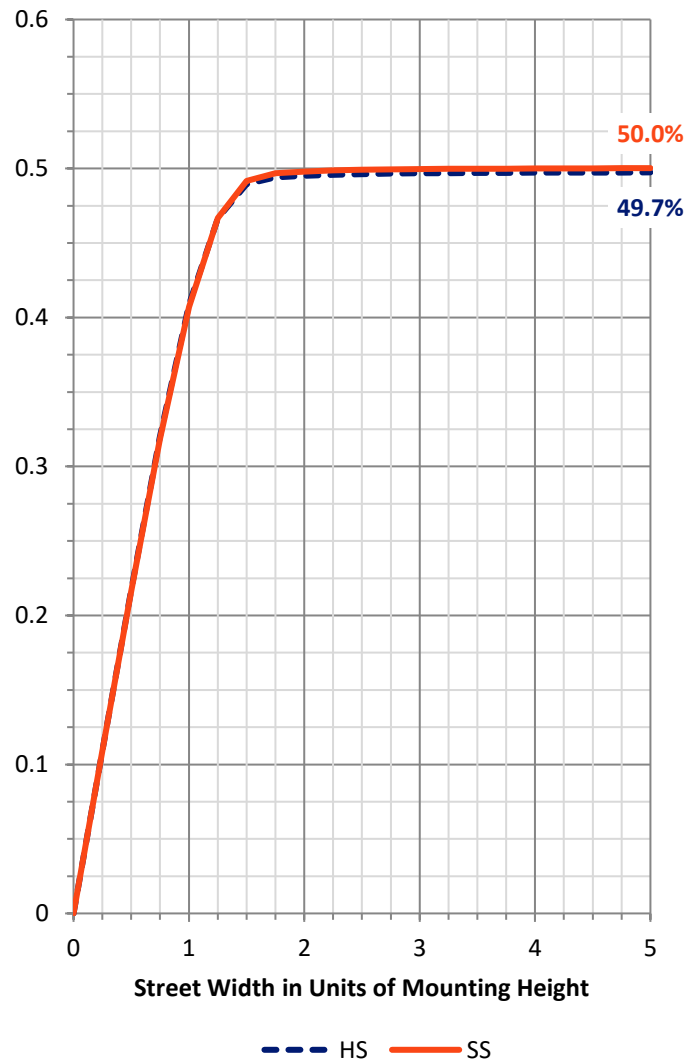
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7328.0	0.0	7328.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7328.0	0.0	7328.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14656.0	0.0	14656.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	202.1	1.4
10°-20°	696.7	4.8
20°-30°	1422.9	9.7
30°-40°	2713.5	18.5
40°-50°	4572.7	31.2
50°-60°	4360.9	29.8
60°-70°	608.8	4.2
70°-80°	58.2	0.4
80°-90°	20.1	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°	14656.0	100.0
0°-180°	14656.0	100.0



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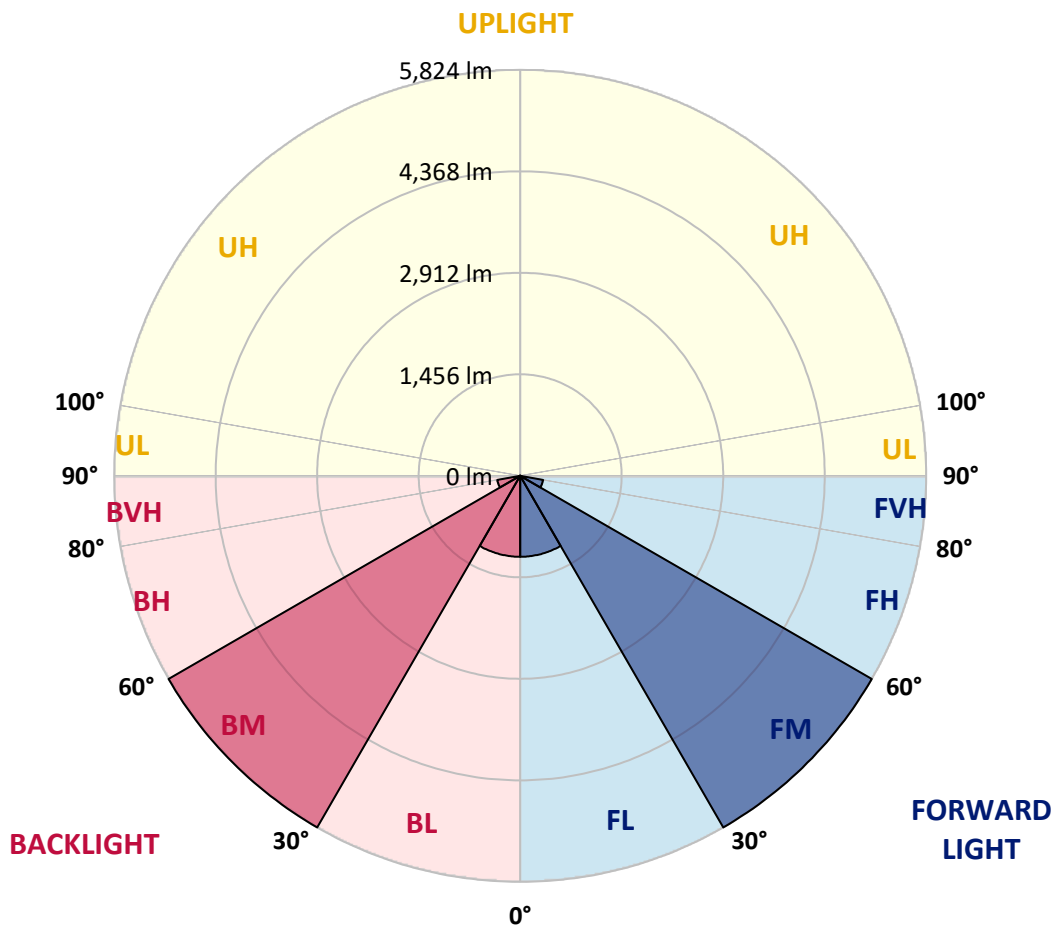
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1160.9	7.9			
FM (30°-60°)	5823.6	39.7			
FH (60°-80°)	333.5	2.3			G0/660
FVH (80°-90°)	10.1	0.1			G1/100
BL (0°-30°)	1160.9	7.9	B3/2500		
BM (30°-60°)	5823.6	39.7	B4/8500		
BH (60°-80°)	333.5	2.3	B1/500		G0/660
BVH (80°-90°)	10.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2031.9	2031.9	2031.9	2031.9	2031.9	2031.9	2031.9	2031.9	2031.9	2031.9	2031.9
2.5°	2024.5	2024.5	2022.0	2041.8	2031.9	2054.1	2051.6	2059.0	2066.4	2063.9	2083.7
5°	2007.2	2004.8	2004.8	2027.0	2049.2	2073.8	2096.0	2110.8	2135.5	2135.5	2160.1
7.5°	2024.5	2012.2	2029.4	2039.3	2081.2	2123.1	2160.1	2189.7	2246.4	2266.2	2258.8
10°	2029.4	2044.2	2056.6	2086.1	2137.9	2202.0	2234.1	2308.1	2372.2	2416.6	2426.4
12.5°	2061.5	2083.7	2118.2	2189.7	2236.6	2320.4	2364.8	2436.3	2525.1	2574.4	2608.9
15°	2123.1	2130.5	2174.9	2266.2	2367.3	2443.7	2512.7	2564.5	2650.8	2707.5	2710.0
17.5°	2202.0	2234.1	2295.7	2382.0	2488.1	2601.5	2655.8	2712.5	2744.5	2821.0	2838.2
20°	2359.9	2364.8	2424.0	2537.4	2670.6	2774.1	2813.6	2843.2	2830.8	2909.7	2924.5
22.5°	2507.8	2512.7	2586.7	2739.6	2882.6	2971.4	2988.7	2971.4	2934.4	2991.1	2996.1
25°	2658.2	2702.6	2756.9	2909.7	3087.3	3205.7	3208.1	3161.3	3084.8	3094.7	3119.4
27.5°	2892.5	2924.5	2981.3	3121.8	3316.6	3449.8	3427.6	3370.9	3272.2	3279.6	3272.2
30°	3166.2	3195.8	3242.6	3422.7	3565.7	3711.2	3743.2	3689.0	3541.0	3509.0	3545.9
32.5°	3496.6	3538.6	3624.9	3790.1	3910.9	3999.7	4021.9	4002.1	3864.0	3851.7	3876.4
35°	3898.6	3955.3	4034.2	4179.7	4278.3	4438.6	4438.6	4372.0	4246.3	4261.1	4258.6
37.5°	4322.7	4406.5	4529.8	4677.8	4811.0	4897.3	4870.1	4813.4	4687.7	4655.6	4687.7
40°	4855.3	4897.3	5052.6	5244.9	5407.7	5506.3	5390.4	5267.1	4966.3	5013.2	5099.5
42.5°	5341.1	5407.7	5526.1	5738.1	5923.1	6004.4	5866.4	5622.2	5259.7	5222.8	5286.9
45°	5755.4	5826.9	5982.2	6285.6	6480.4	6551.9	6246.1	5851.6	5437.3	5343.6	5370.7
47.5°	6031.6	6068.6	6285.6	6574.1	6751.6	6914.4	6475.4	6009.4	5521.1	5343.6	5333.7
50°	5925.5	5989.6	6243.6	6571.6	6894.6	7010.5	6591.3	6130.2	5548.3	5321.4	5291.8
52.5°	5262.2	5373.2	5656.8	6098.1	6586.4	7000.7	6751.6	6090.7	5538.4	5343.6	5388.0
55°	3661.8	3664.3	4009.5	4660.5	5523.6	6500.1	6517.3	6135.1	5602.5	5481.7	5484.1
57.5°	1472.1	1546.1	1810.0	2463.4	3259.9	4463.3	5306.6	5691.3	5609.9	5580.3	5656.8
60°	372.3	374.8	456.2	695.4	1146.6	1913.5	2779.1	3760.5	4330.1	4524.9	4552.0
62.5°	189.9	192.3	212.1	246.6	313.2	512.9	912.4	1447.5	2059.0	2369.7	2451.1
65°	155.4	155.4	167.7	184.9	187.4	197.3	236.7	337.8	490.7	557.3	564.7
67.5°	118.4	118.4	128.2	138.1	143.0	140.6	135.6	140.6	170.1	162.7	157.8
70°	74.0	76.4	81.4	91.2	96.2	98.6	101.1	106.0	120.8	125.8	120.8
72.5°	44.4	44.4	46.9	54.2	61.6	66.6	74.0	78.9	86.3	98.6	96.2
75°	19.7	19.7	24.7	32.1	39.5	46.9	54.2	61.6	66.6	74.0	76.4
77.5°	4.9	7.4	12.3	22.2	29.6	39.5	49.3	56.7	61.6	61.6	59.2
80°	2.5	2.5	9.9	17.3	32.1	41.9	54.2	59.2	66.6	61.6	54.2
82.5°	2.5	2.5	9.9	17.3	29.6	41.9	56.7	64.1	69.0	61.6	51.8
85°	0.0	2.5	7.4	14.8	24.7	29.6	24.7	17.3	9.9	9.9	7.4
87.5°	0.0	0.0	2.5	2.5	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)