

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: P530881

Luminaire Tested: **GALN-SA6A-827-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530881  
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-827-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 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: 12883 lumens  
Efficiency: N/A  
Efficacy: 70.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

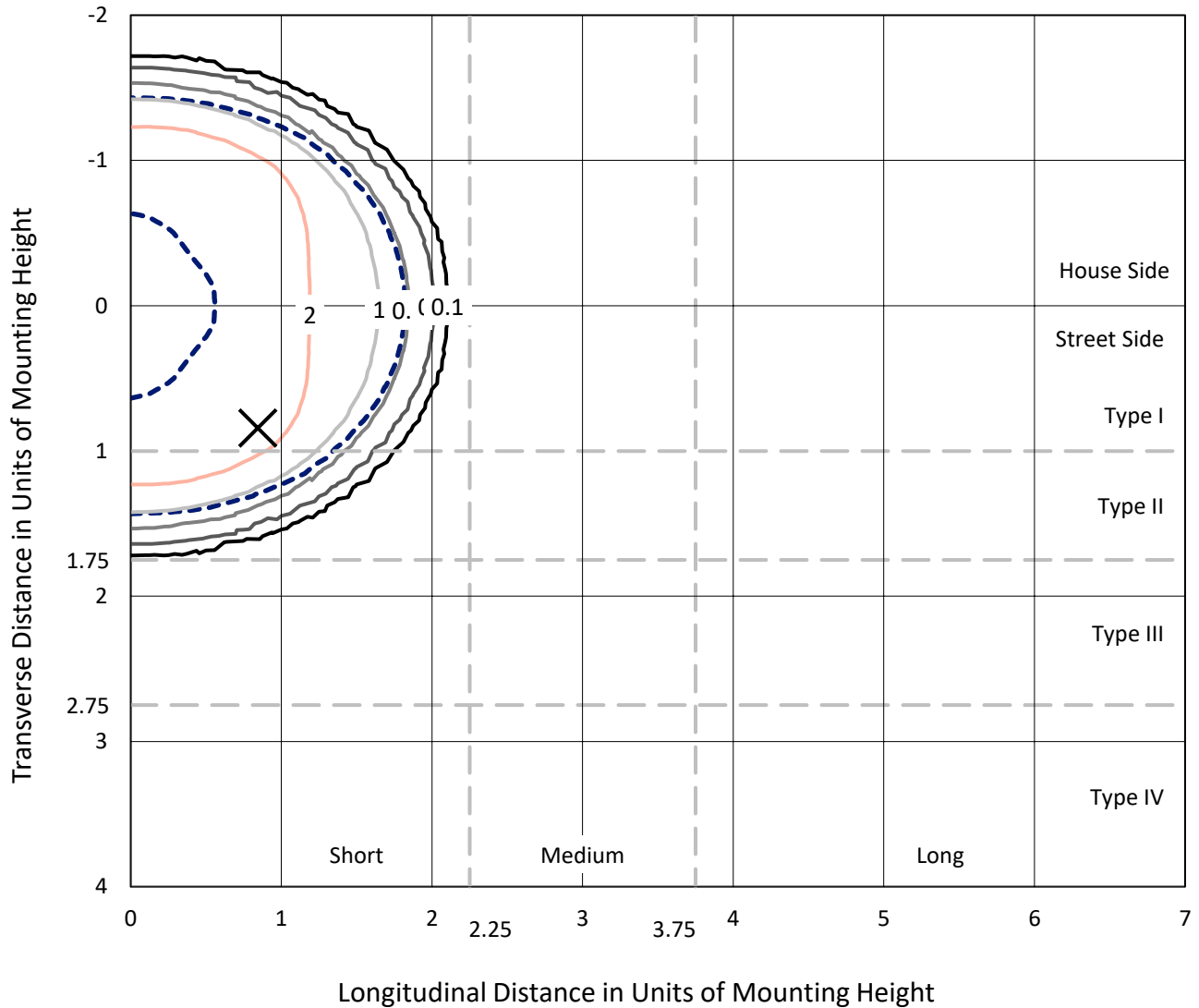
Input Watts (W): 182  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

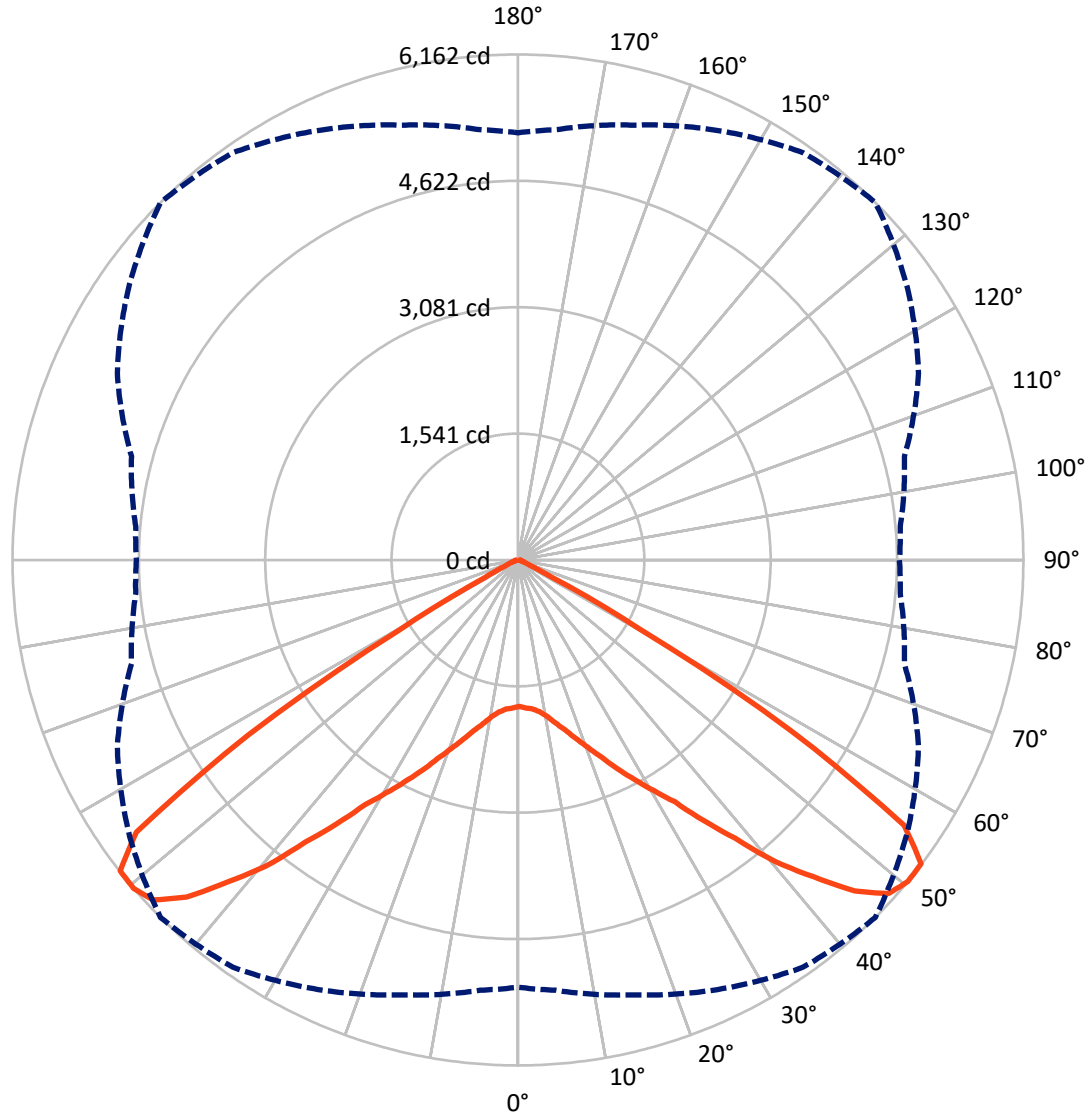
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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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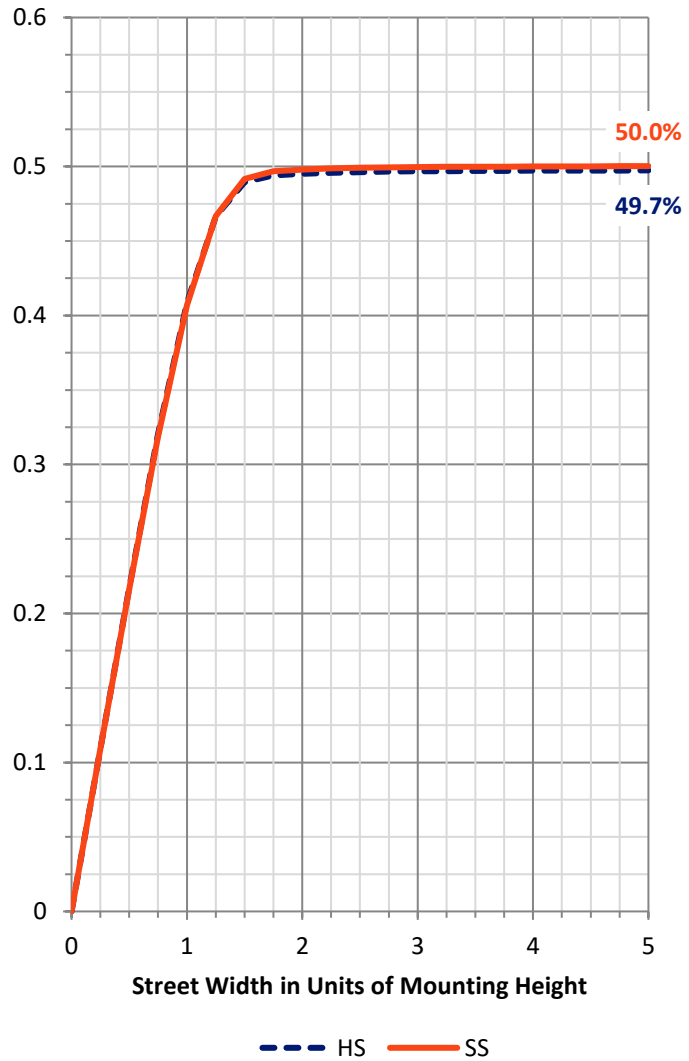
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6441.5	0.0	6441.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6441.5	0.0	6441.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12883.0	0.0	12883.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.7	1.4
10°-20°	612.4	4.8
20°-30°	1250.8	9.7
30°-40°	2385.3	18.5
40°-50°	4019.5	31.2
50°-60°	3833.3	29.8
60°-70°	535.1	4.2
70°-80°	51.2	0.4
80°-90°	17.7	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°	12883.0	100.0
0°-180°	12883.0	100.0

**Coefficient of Utilization**



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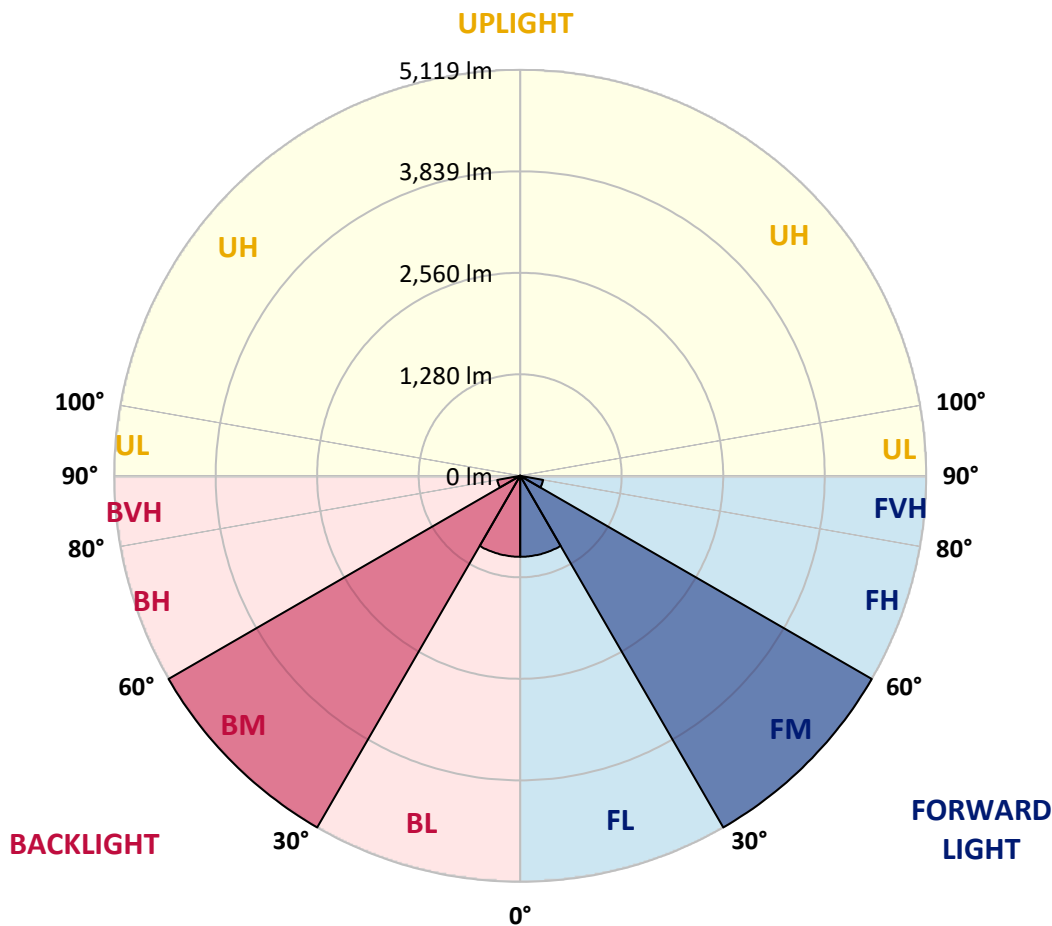
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1020.5	7.9			
FM (30°-60°)	5119.1	39.7			
FH (60°-80°)	293.1	2.3			G0/660
FVH (80°-90°)	8.8	0.1			G0/10
BL (0°-30°)	1020.5	7.9	B3/2500		
BM (30°-60°)	5119.1	39.7	B4/8500		
BH (60°-80°)	293.1	2.3	B1/500		G0/660
BVH (80°-90°)	8.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1786.1	1786.1	1786.1	1786.1	1786.1	1786.1	1786.1	1786.1	1786.1	1786.1	1786.1
2.5°	1779.6	1779.6	1777.4	1794.8	1786.1	1805.6	1803.4	1809.9	1816.4	1814.3	1831.6
5°	1764.4	1762.2	1762.2	1781.8	1801.3	1822.9	1842.4	1855.4	1877.1	1877.1	1898.8
7.5°	1779.6	1768.7	1783.9	1792.6	1829.4	1866.3	1898.8	1924.8	1974.7	1992.0	1985.5
10°	1783.9	1796.9	1807.8	1833.8	1879.3	1935.6	1963.8	2028.9	2085.2	2124.2	2132.9
12.5°	1812.1	1831.6	1862.0	1924.8	1966.0	2039.7	2078.7	2141.6	2219.6	2263.0	2293.3
15°	1866.3	1872.8	1911.8	1992.0	2080.9	2148.1	2208.8	2254.3	2330.1	2380.0	2382.2
17.5°	1935.6	1963.8	2018.0	2093.9	2187.1	2286.8	2334.5	2384.3	2412.5	2479.7	2494.9
20°	2074.4	2078.7	2130.7	2230.4	2347.5	2438.5	2473.2	2499.2	2488.4	2557.7	2570.8
22.5°	2204.4	2208.8	2273.8	2408.2	2533.9	2611.9	2627.1	2611.9	2579.4	2629.3	2633.6
25°	2336.7	2375.7	2423.4	2557.7	2713.8	2817.9	2820.0	2778.8	2711.6	2720.3	2742.0
27.5°	2542.6	2570.8	2620.6	2744.2	2915.4	3032.4	3012.9	2963.1	2876.4	2882.9	2876.4
30°	2783.2	2809.2	2850.4	3008.6	3134.3	3262.2	3290.4	3242.7	3112.6	3084.5	3117.0
32.5°	3073.6	3110.5	3186.3	3331.6	3437.8	3515.8	3535.3	3518.0	3396.6	3385.8	3407.4
35°	3426.9	3476.8	3546.2	3674.0	3760.8	3901.6	3901.6	3843.1	3732.6	3745.6	3743.4
37.5°	3799.8	3873.5	3981.8	4111.9	4228.9	4304.8	4281.0	4231.1	4120.6	4092.4	4120.6
40°	4268.0	4304.8	4441.4	4610.4	4753.5	4840.2	4738.3	4630.0	4365.5	4406.7	4482.6
42.5°	4695.0	4753.5	4857.5	5044.0	5206.5	5278.1	5156.7	4942.1	4623.4	4590.9	4647.3
45°	5059.1	5122.0	5258.5	5525.2	5696.4	5759.3	5490.5	5143.7	4779.5	4697.1	4721.0
47.5°	5301.9	5334.4	5525.2	5778.8	5934.8	6077.9	5692.1	5282.4	4853.2	4697.1	4688.5
50°	5208.7	5265.1	5488.3	5776.6	6060.6	6162.4	5793.9	5388.6	4877.1	4677.6	4651.6
52.5°	4625.6	4723.2	4972.4	5360.4	5789.6	6153.8	5934.8	5353.9	4868.4	4697.1	4736.2
55°	3218.9	3221.0	3524.5	4096.7	4855.4	5713.7	5728.9	5392.9	4924.7	4818.5	4820.7
57.5°	1294.0	1359.1	1591.0	2165.4	2865.5	3923.3	4664.6	5002.8	4931.2	4905.2	4972.4
60°	327.3	329.5	401.0	611.3	1007.9	1682.0	2442.9	3305.6	3806.3	3977.5	4001.4
62.5°	166.9	169.1	186.4	216.8	275.3	450.9	802.0	1272.4	1809.9	2083.0	2154.6
65°	136.6	136.6	147.4	162.6	164.7	173.4	208.1	297.0	431.3	489.9	496.4
67.5°	104.0	104.0	112.7	121.4	125.7	123.6	119.2	123.6	149.6	143.1	138.7
70°	65.0	67.2	71.5	80.2	84.5	86.7	88.9	93.2	106.2	110.5	106.2
72.5°	39.0	39.0	41.2	47.7	54.2	58.5	65.0	69.4	75.9	86.7	84.5
75°	17.3	17.3	21.7	28.2	34.7	41.2	47.7	54.2	58.5	65.0	67.2
77.5°	4.3	6.5	10.8	19.5	26.0	34.7	43.4	49.9	54.2	54.2	52.0
80°	2.2	2.2	8.7	15.2	28.2	36.8	47.7	52.0	58.5	54.2	47.7
82.5°	2.2	2.2	8.7	15.2	26.0	36.8	49.9	56.4	60.7	54.2	45.5
85°	0.0	2.2	6.5	13.0	21.7	26.0	21.7	15.2	8.7	8.7	6.5
87.5°	0.0	0.0	2.2	2.2	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)