

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: P529815

Luminaire Tested: **GALN-SA5A-730-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529815  
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-SA5A-730-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 3000K, 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: 13479 lumens  
Efficiency: N/A  
Efficacy: 87.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

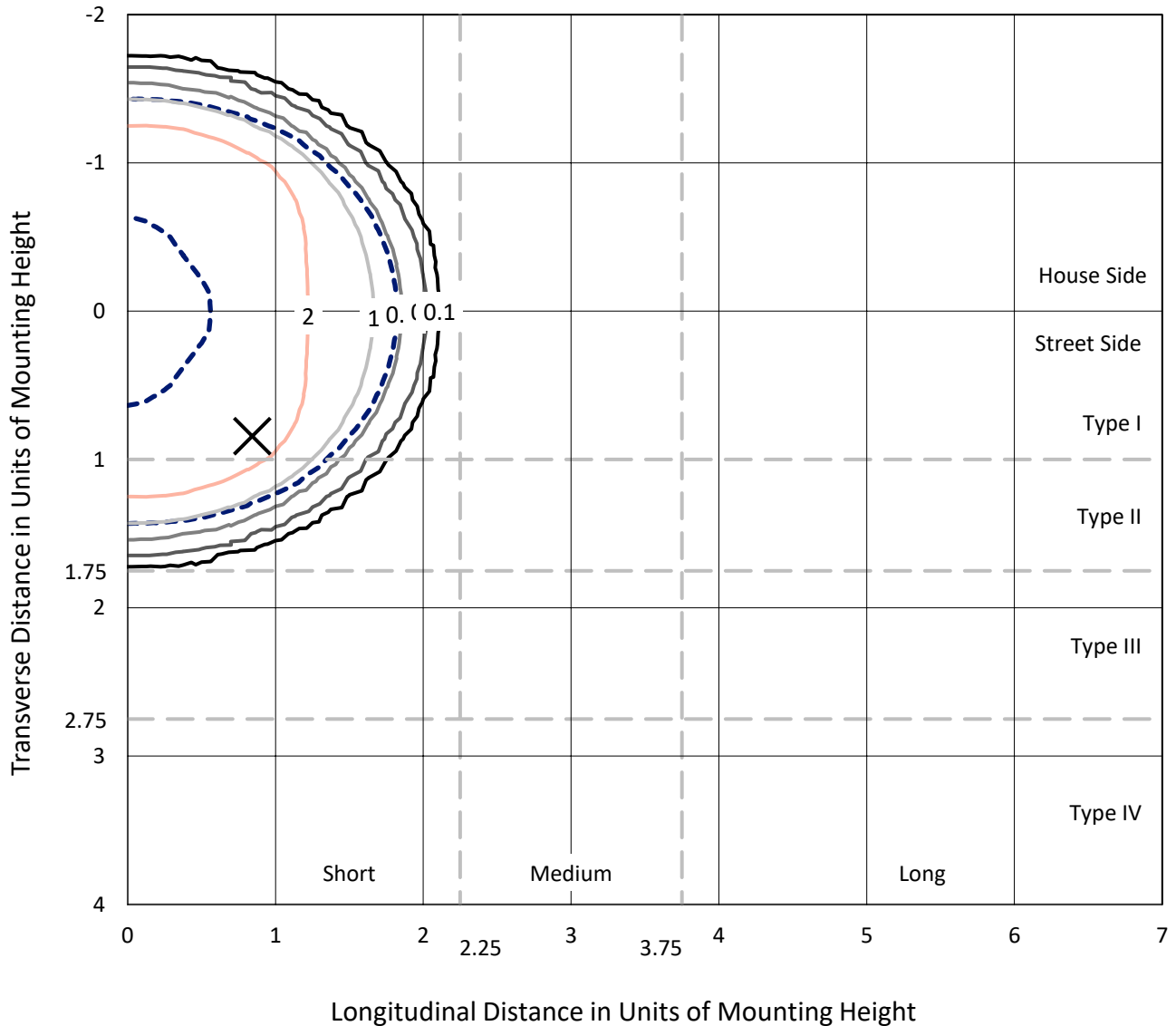
Input Watts (W): 154  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

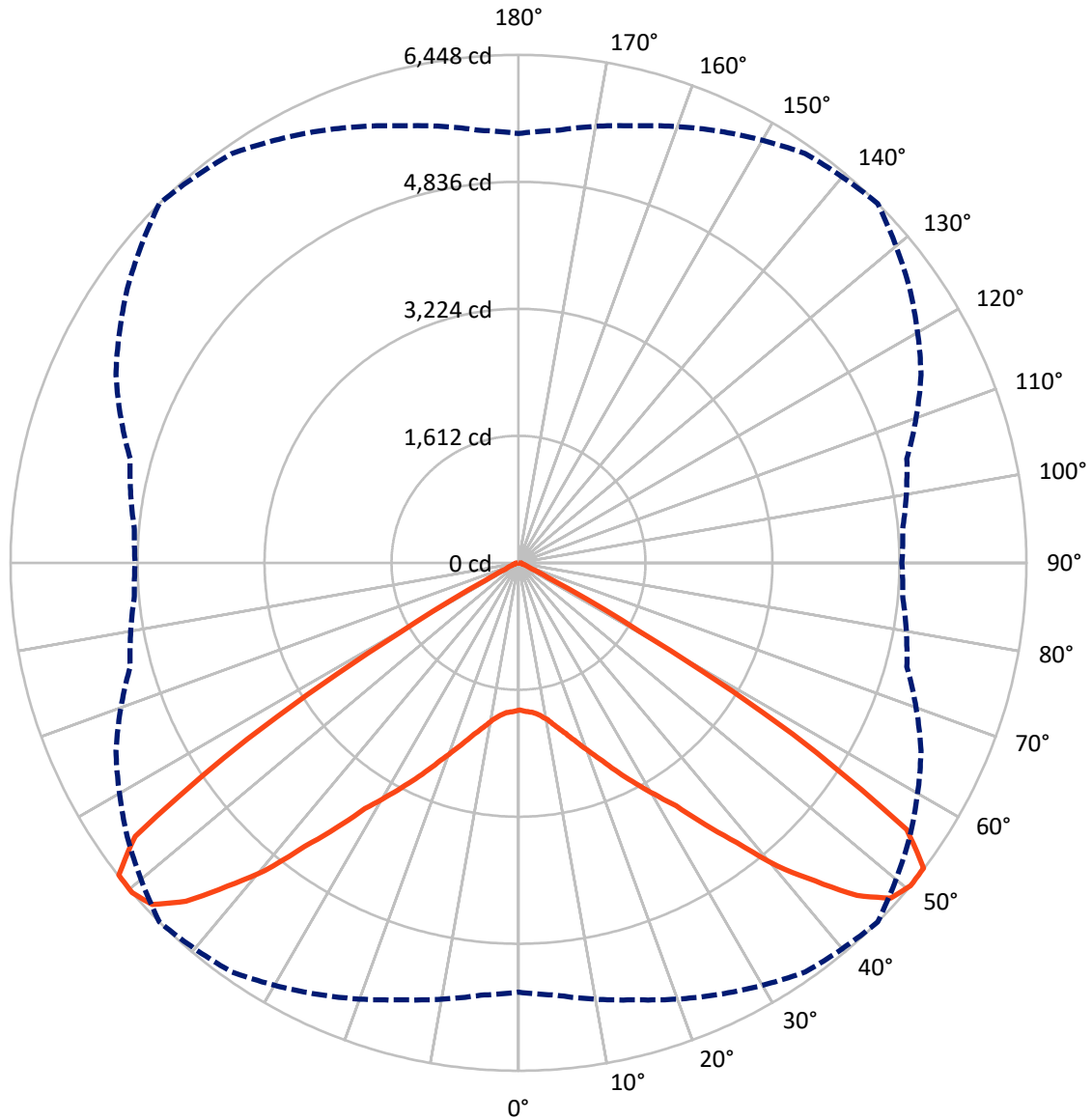
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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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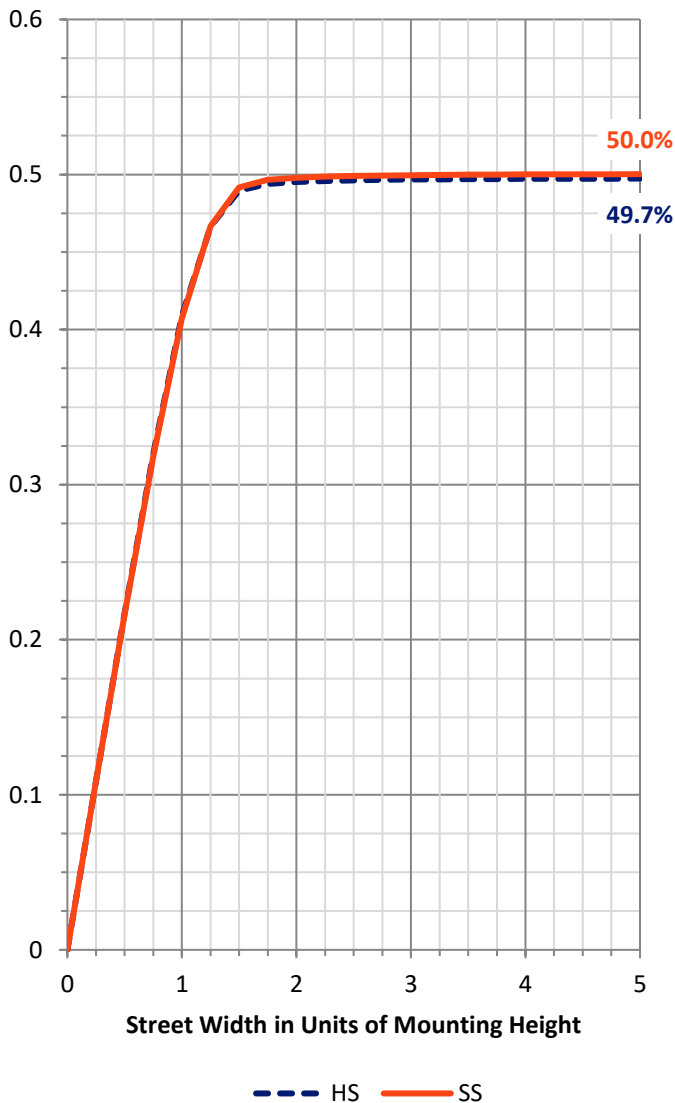
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6739.5	0.0	6739.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6739.5	0.0	6739.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13479.0	0.0	13479.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.9	1.4
10°-20°	640.7	4.8
20°-30°	1308.7	9.7
30°-40°	2495.6	18.5
40°-50°	4205.5	31.2
50°-60°	4010.7	29.8
60°-70°	559.9	4.2
70°-80°	53.5	0.4
80°-90°	18.5	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°	13479.0	100.0
0°-180°	13479.0	100.0

**Coefficient of Utilization**

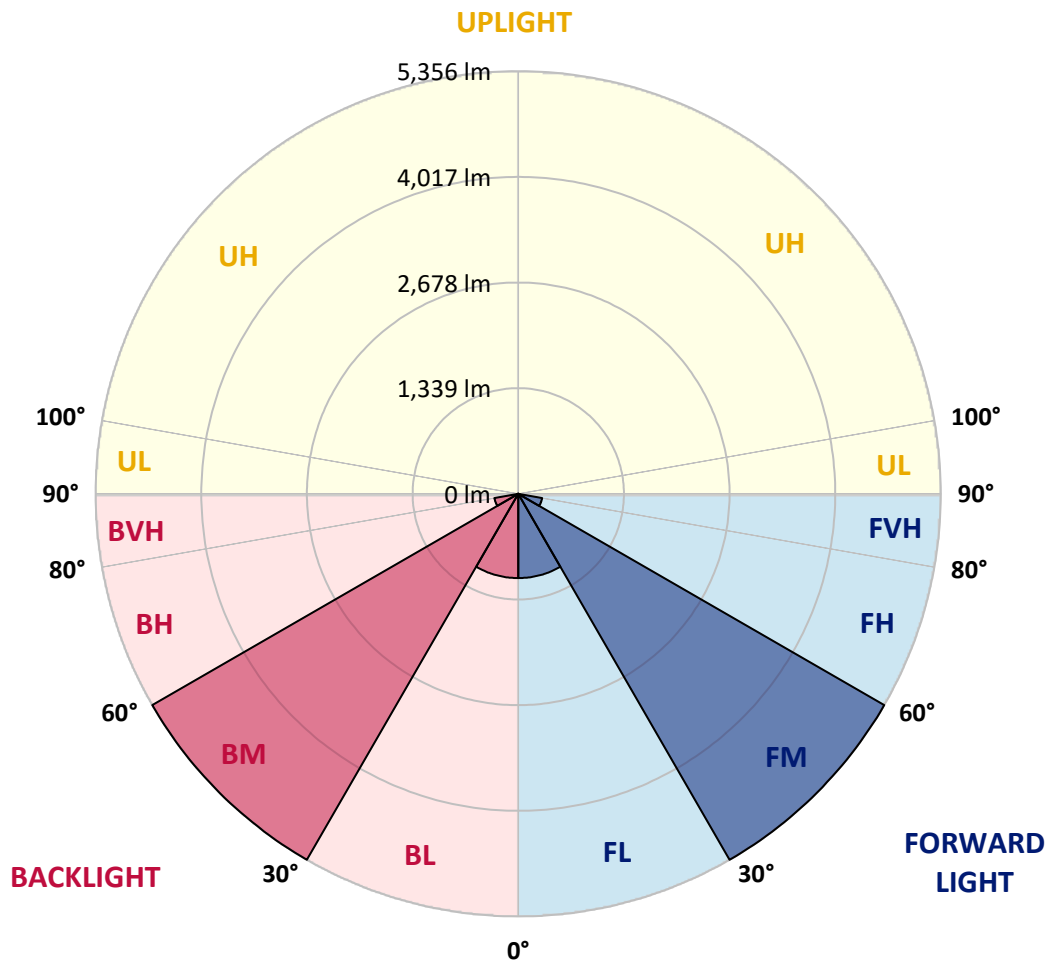


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1067.7	7.9			
FM (30°-60°)	5355.9	39.7			
FH (60°-80°)	306.7	2.3			G0/660
FVH (80°-90°)	9.3	0.1			G0/10
BL (0°-30°)	1067.7	7.9	B3/2500		
BM (30°-60°)	5355.9	39.7	B4/8500		
BH (60°-80°)	306.7	2.3	B1/500		G0/660
BVH (80°-90°)	9.3	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°	1868.7	1868.7	1868.7	1868.7	1868.7	1868.7	1868.7	1868.7	1868.7	1868.7	1868.7
2.5°	1861.9	1861.9	1859.6	1877.8	1868.7	1889.1	1886.9	1893.7	1900.5	1898.2	1916.3
5°	1846.0	1843.8	1843.8	1864.2	1884.6	1907.3	1927.7	1941.3	1964.0	1964.0	1986.6
7.5°	1861.9	1850.6	1866.4	1875.5	1914.1	1952.6	1986.6	2013.9	2066.0	2084.2	2077.4
10°	1866.4	1880.1	1891.4	1918.6	1966.2	2025.2	2054.7	2122.7	2181.7	2222.5	2231.6
12.5°	1895.9	1916.3	1948.1	2013.9	2056.9	2134.1	2174.9	2240.6	2322.3	2367.6	2399.4
15°	1952.6	1959.4	2000.3	2084.2	2177.1	2247.4	2310.9	2358.6	2437.9	2490.1	2492.4
17.5°	2025.2	2054.7	2111.4	2190.8	2288.3	2392.6	2442.5	2494.6	2524.1	2594.4	2610.3
20°	2170.3	2174.9	2229.3	2333.6	2456.1	2551.3	2587.6	2614.8	2603.5	2676.1	2689.7
22.5°	2306.4	2310.9	2379.0	2519.6	2651.1	2732.8	2748.6	2732.8	2698.8	2750.9	2755.4
25°	2444.8	2485.6	2535.5	2676.1	2839.4	2948.2	2950.5	2907.4	2837.1	2846.2	2868.8
27.5°	2660.2	2689.7	2741.8	2871.1	3050.3	3172.7	3152.3	3100.2	3009.4	3016.3	3009.4
30°	2911.9	2939.1	2982.2	3147.8	3279.3	3413.1	3442.6	3392.7	3256.6	3227.2	3261.2
32.5°	3215.8	3254.4	3333.8	3485.7	3596.8	3678.5	3698.9	3680.7	3553.7	3542.4	3565.1
35°	3585.5	3637.6	3710.2	3844.0	3934.7	4082.1	4082.1	4020.9	3905.3	3918.9	3916.6
37.5°	3975.6	4052.7	4166.1	4302.1	4424.6	4504.0	4479.0	4426.9	4311.2	4281.7	4311.2
40°	4465.4	4504.0	4646.8	4823.7	4973.4	5064.1	4957.5	4844.1	4567.5	4610.6	4689.9
42.5°	4912.2	4973.4	5082.3	5277.3	5447.4	5522.2	5395.2	5170.7	4837.3	4803.3	4862.3
45°	5293.2	5358.9	5501.8	5780.8	5959.9	6025.7	5744.5	5381.6	5000.6	4914.4	4939.4
47.5°	5547.2	5581.2	5780.8	6046.1	6209.4	6359.1	5955.4	5526.8	5077.7	4914.4	4905.4
50°	5449.7	5508.6	5742.2	6043.8	6340.9	6447.5	6062.0	5637.9	5102.7	4894.0	4866.8
52.5°	4839.6	4941.7	5202.5	5608.4	6057.4	6438.4	6209.4	5601.6	5093.6	4914.4	4955.3
55°	3367.8	3370.0	3687.5	4286.3	5080.0	5978.1	5993.9	5642.4	5152.6	5041.4	5043.7
57.5°	1353.9	1421.9	1664.6	2265.6	2998.1	4104.8	4880.4	5234.2	5159.4	5132.2	5202.5
60°	342.4	344.7	419.6	639.5	1054.6	1759.9	2555.9	3458.5	3982.4	4161.5	4186.5
62.5°	174.6	176.9	195.0	226.8	288.0	471.7	839.1	1331.2	1893.7	2179.4	2254.3
65°	142.9	142.9	154.2	170.1	172.4	181.4	217.7	310.7	451.3	512.5	519.3
67.5°	108.9	108.9	117.9	127.0	131.5	129.3	124.7	129.3	156.5	149.7	145.1
70°	68.0	70.3	74.8	83.9	88.4	90.7	93.0	97.5	111.1	115.7	111.1
72.5°	40.8	40.8	43.1	49.9	56.7	61.2	68.0	72.6	79.4	90.7	88.4
75°	18.1	18.1	22.7	29.5	36.3	43.1	49.9	56.7	61.2	68.0	70.3
77.5°	4.5	6.8	11.3	20.4	27.2	36.3	45.4	52.2	56.7	56.7	54.4
80°	2.3	2.3	9.1	15.9	29.5	38.6	49.9	54.4	61.2	56.7	49.9
82.5°	2.3	2.3	9.1	15.9	27.2	38.6	52.2	59.0	63.5	56.7	47.6
85°	0.0	2.3	6.8	13.6	22.7	27.2	22.7	15.9	9.1	9.1	6.8
87.5°	0.0	0.0	2.3	2.3	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)