

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: P530777

Luminaire Tested: **GALN-SA6A-735-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530777  
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-735-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 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: 16326 lumens  
Efficiency: N/A  
Efficacy: 89.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

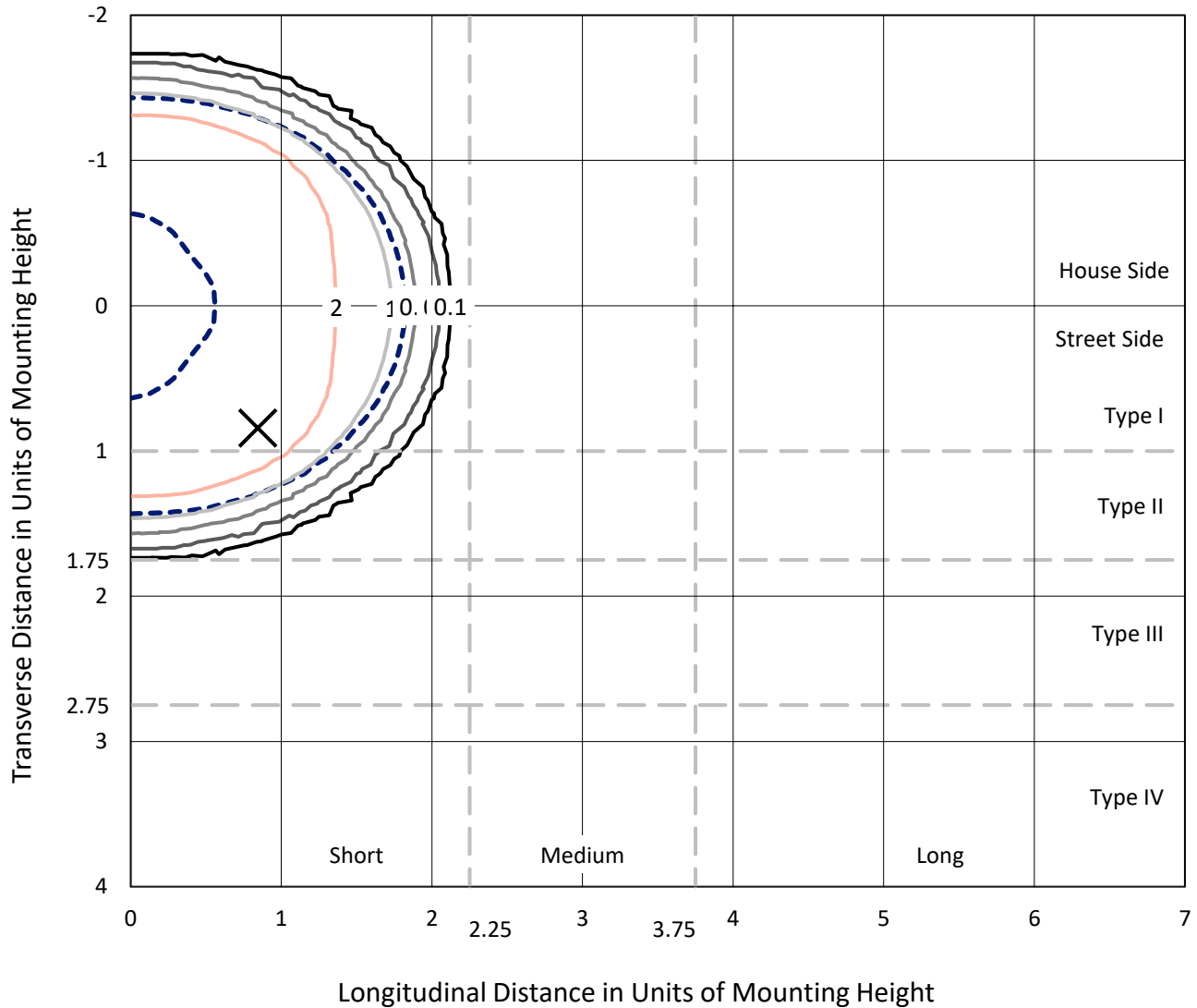
Input Watts (W): 182  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

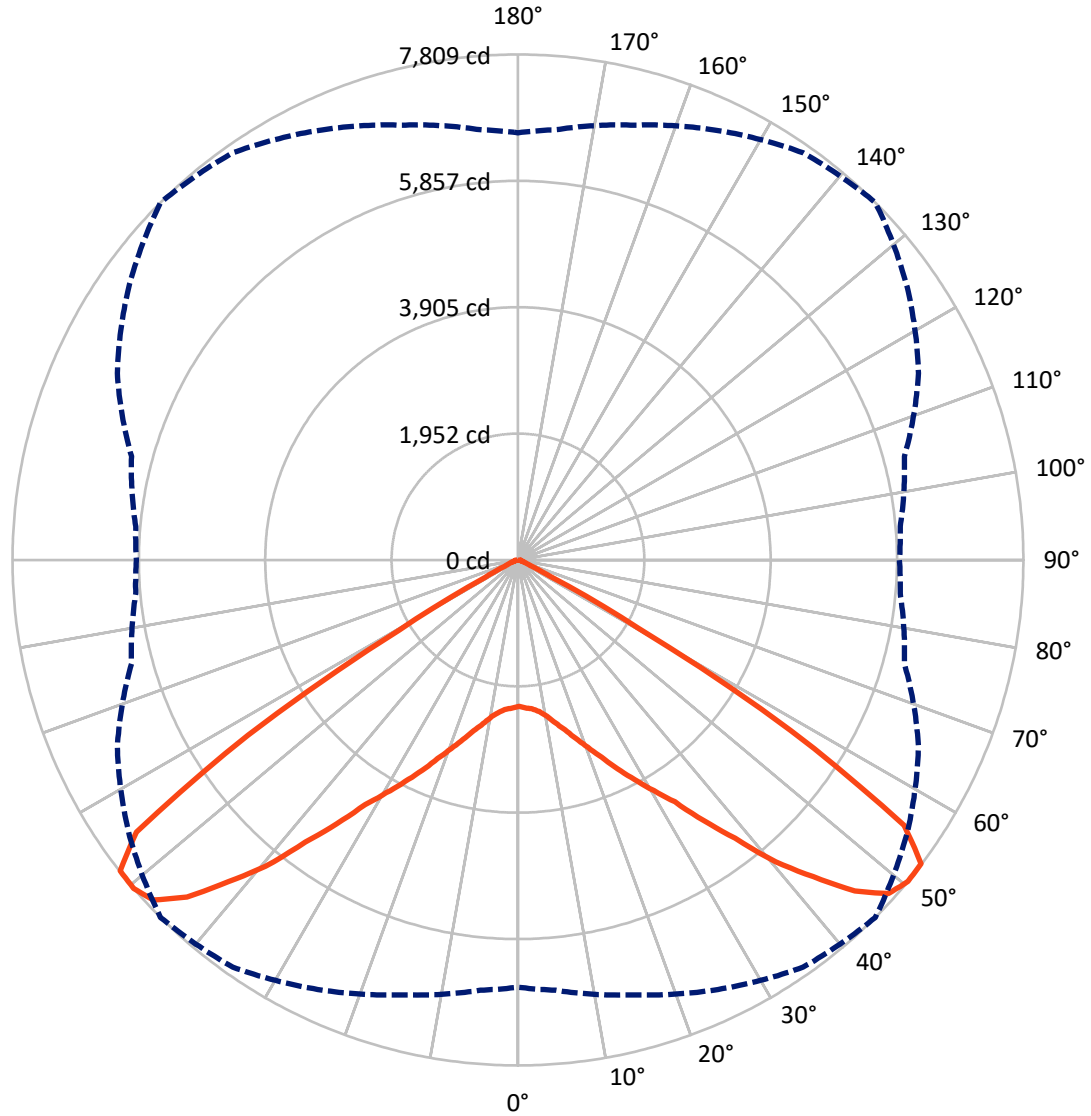
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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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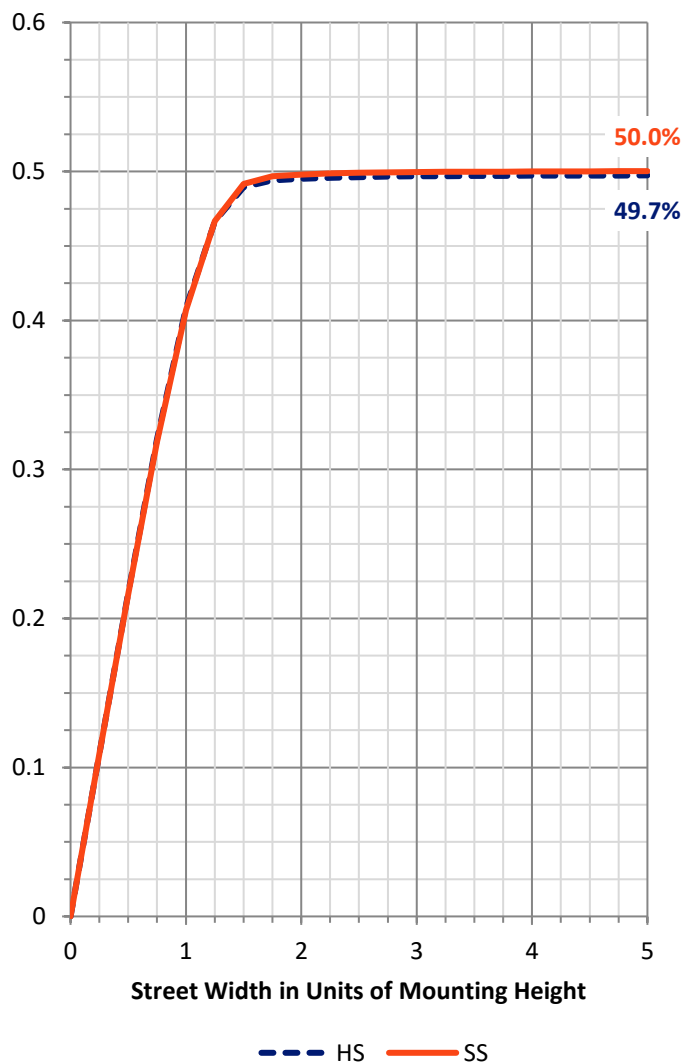
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8163.0	0.0	8163.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8163.0	0.0	8163.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16326.0	0.0	16326.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	225.2	1.4
10°-20°	776.1	4.8
20°-30°	1585.1	9.7
30°-40°	3022.7	18.5
40°-50°	5093.8	31.2
50°-60°	4857.8	29.8
60°-70°	678.1	4.2
70°-80°	64.8	0.4
80°-90°	22.4	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°	16326.0	100.0
0°-180°	16326.0	100.0

**Coefficient of Utilization**



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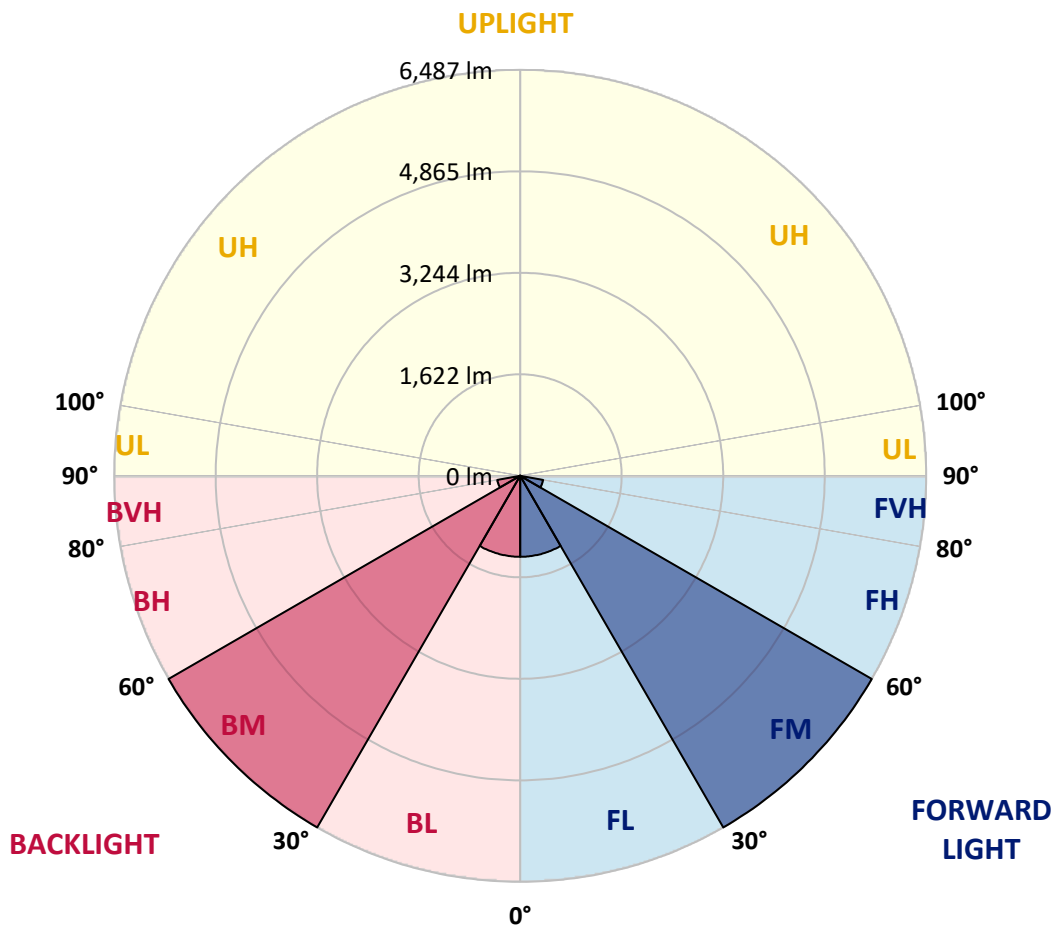
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1293.2	7.9			
FM (30°-60°)	6487.1	39.7			
FH (60°-80°)	371.5	2.3			G0/660
FVH (80°-90°)	11.2	0.1			G1/100
BL (0°-30°)	1293.2	7.9	B3/2500		
BM (30°-60°)	6487.1	39.7	B4/8500		
BH (60°-80°)	371.5	2.3	B1/500		G0/660
BVH (80°-90°)	11.2	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°	2263.4	2263.4	2263.4	2263.4	2263.4	2263.4	2263.4	2263.4	2263.4	2263.4	2263.4
2.5°	2255.2	2255.2	2252.4	2274.4	2263.4	2288.1	2285.4	2293.6	2301.9	2299.1	2321.1
5°	2236.0	2233.2	2233.2	2257.9	2282.6	2310.1	2334.8	2351.3	2378.8	2378.8	2406.3
7.5°	2255.2	2241.4	2260.7	2271.7	2318.4	2365.1	2406.3	2439.2	2502.4	2524.4	2516.1
10°	2260.7	2277.2	2290.9	2323.9	2381.5	2453.0	2488.7	2571.1	2642.5	2691.9	2702.9
12.5°	2296.4	2321.1	2359.6	2439.2	2491.4	2584.8	2634.2	2713.9	2812.8	2867.7	2906.2
15°	2365.1	2373.3	2422.7	2524.4	2637.0	2722.1	2799.1	2856.7	2952.9	3016.1	3018.8
17.5°	2453.0	2488.7	2557.3	2653.5	2771.6	2897.9	2958.4	3021.6	3057.3	3142.4	3161.6
20°	2628.8	2634.2	2700.2	2826.5	2974.9	3090.2	3134.2	3167.1	3153.4	3241.3	3257.8
22.5°	2793.6	2799.1	2881.5	3051.8	3211.1	3310.0	3329.2	3310.0	3268.8	3332.0	3337.4
25°	2961.1	3010.6	3071.0	3241.3	3439.1	3570.9	3573.7	3521.5	3436.3	3447.3	3474.8
27.5°	3222.1	3257.8	3321.0	3477.5	3694.5	3842.9	3818.1	3755.0	3645.1	3653.3	3645.1
30°	3527.0	3559.9	3612.1	3812.7	3972.0	4134.0	4169.7	4109.3	3944.5	3908.8	3950.0
32.5°	3895.1	3941.8	4037.9	4221.9	4356.5	4455.4	4480.1	4458.2	4304.3	4290.6	4318.1
35°	4342.8	4406.0	4493.9	4655.9	4765.8	4944.4	4944.4	4870.2	4730.1	4746.6	4743.8
37.5°	4815.3	4908.7	5046.0	5210.8	5359.1	5455.3	5425.1	5361.9	5221.8	5186.1	5221.8
40°	5408.6	5455.3	5628.3	5842.6	6023.9	6133.8	6004.7	5867.3	5532.2	5584.4	5680.5
42.5°	5949.7	6023.9	6155.7	6392.0	6598.0	6688.6	6534.8	6262.9	5859.1	5817.9	5889.3
45°	6411.2	6490.9	6663.9	7001.8	7218.8	7298.4	6957.8	6518.3	6056.8	5952.5	5982.7
47.5°	6718.8	6760.0	7001.8	7323.2	7520.9	7702.2	7213.3	6694.1	6150.2	5952.5	5941.5
50°	6600.7	6672.1	6955.1	7320.4	7680.2	7809.3	7342.4	6828.7	6180.5	5927.7	5894.8
52.5°	5861.8	5985.4	6301.3	6793.0	7336.9	7798.4	7520.9	6784.8	6169.5	5952.5	6001.9
55°	4079.1	4081.8	4466.4	5191.6	6153.0	7240.7	7260.0	6834.2	6240.9	6106.3	6109.0
57.5°	1639.9	1722.3	2016.2	2744.1	3631.4	4971.8	5911.3	6339.8	6249.1	6216.2	6301.3
60°	414.8	417.5	508.2	774.6	1277.3	2131.6	3095.7	4189.0	4823.5	5040.5	5070.7
62.5°	211.5	214.3	236.2	274.7	348.9	571.3	1016.3	1612.4	2293.6	2639.7	2730.4
65°	173.1	173.1	186.8	206.0	208.8	219.7	263.7	376.3	546.6	620.8	629.0
67.5°	131.8	131.8	142.8	153.8	159.3	156.6	151.1	156.6	189.5	181.3	175.8
70°	82.4	85.2	90.6	101.6	107.1	109.9	112.6	118.1	134.6	140.1	134.6
72.5°	49.4	49.4	52.2	60.4	68.7	74.2	82.4	87.9	96.1	109.9	107.1
75°	22.0	22.0	27.5	35.7	43.9	52.2	60.4	68.7	74.2	82.4	85.2
77.5°	5.5	8.2	13.7	24.7	33.0	43.9	54.9	63.2	68.7	68.7	65.9
80°	2.7	2.7	11.0	19.2	35.7	46.7	60.4	65.9	74.2	68.7	60.4
82.5°	2.7	2.7	11.0	19.2	33.0	46.7	63.2	71.4	76.9	68.7	57.7
85°	0.0	2.7	8.2	16.5	27.5	33.0	27.5	19.2	11.0	11.0	8.2
87.5°	0.0	0.0	2.7	2.7	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)