

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: P530771

Luminaire Tested: **GALN-SA6A-735-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530771  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)  
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-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17354 lumens  
Efficiency: N/A  
Efficacy: 95.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

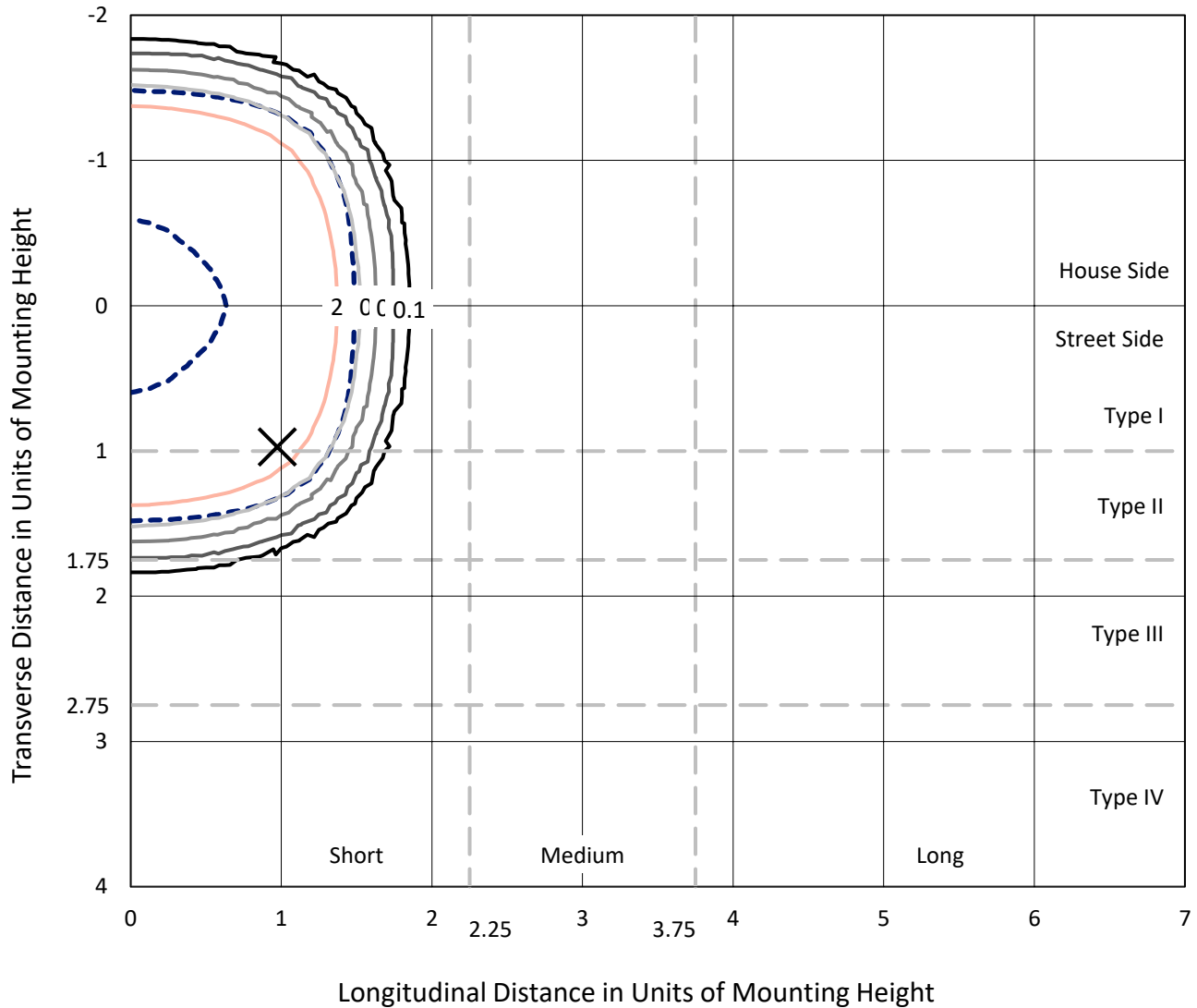
Input Watts (W): 182  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

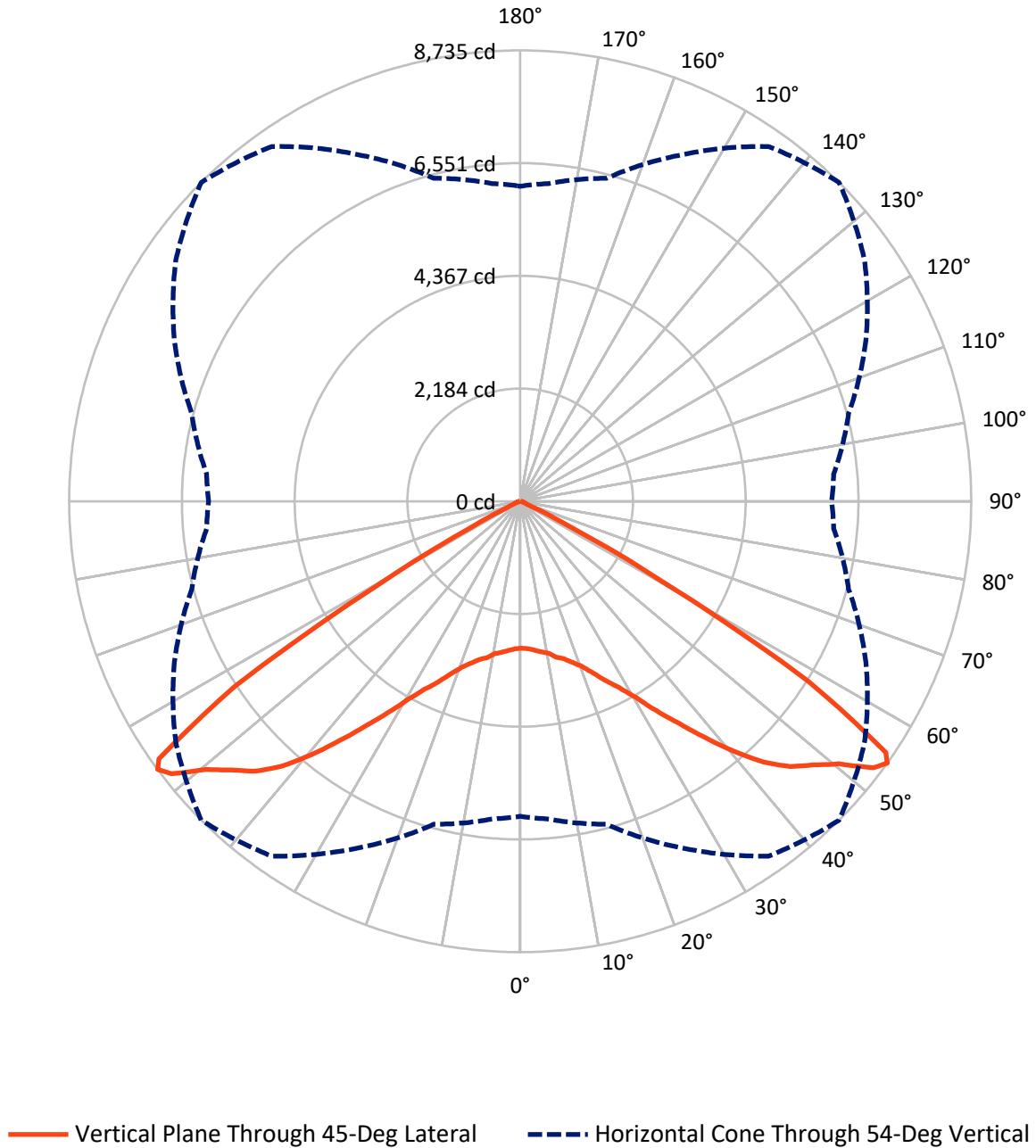
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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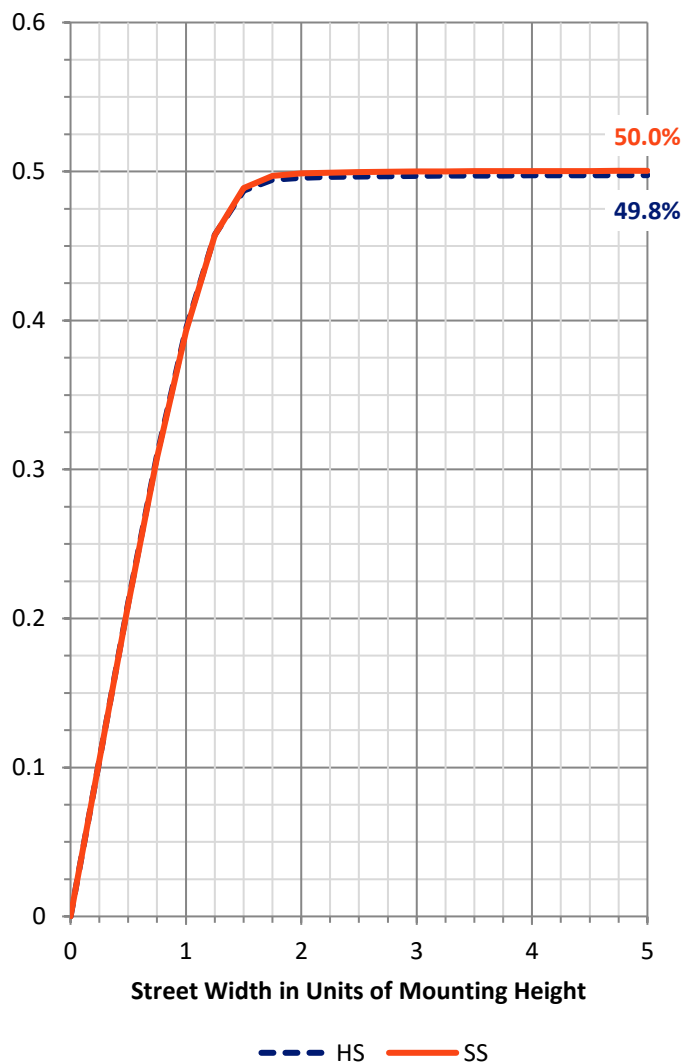
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8677.0	0.0	8677.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8677.0	0.0	8677.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17354.0	0.0	17354.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	278.5	1.6
10°-20°	901.9	5.2
20°-30°	1767.7	10.2
30°-40°	3178.7	18.3
40°-50°	5441.3	31.4
50°-60°	5265.0	30.3
60°-70°	450.7	2.6
70°-80°	53.4	0.3
80°-90°	16.7	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°	17354.0	100.0
0°-180°	17354.0	100.0

**Coefficient of Utilization**



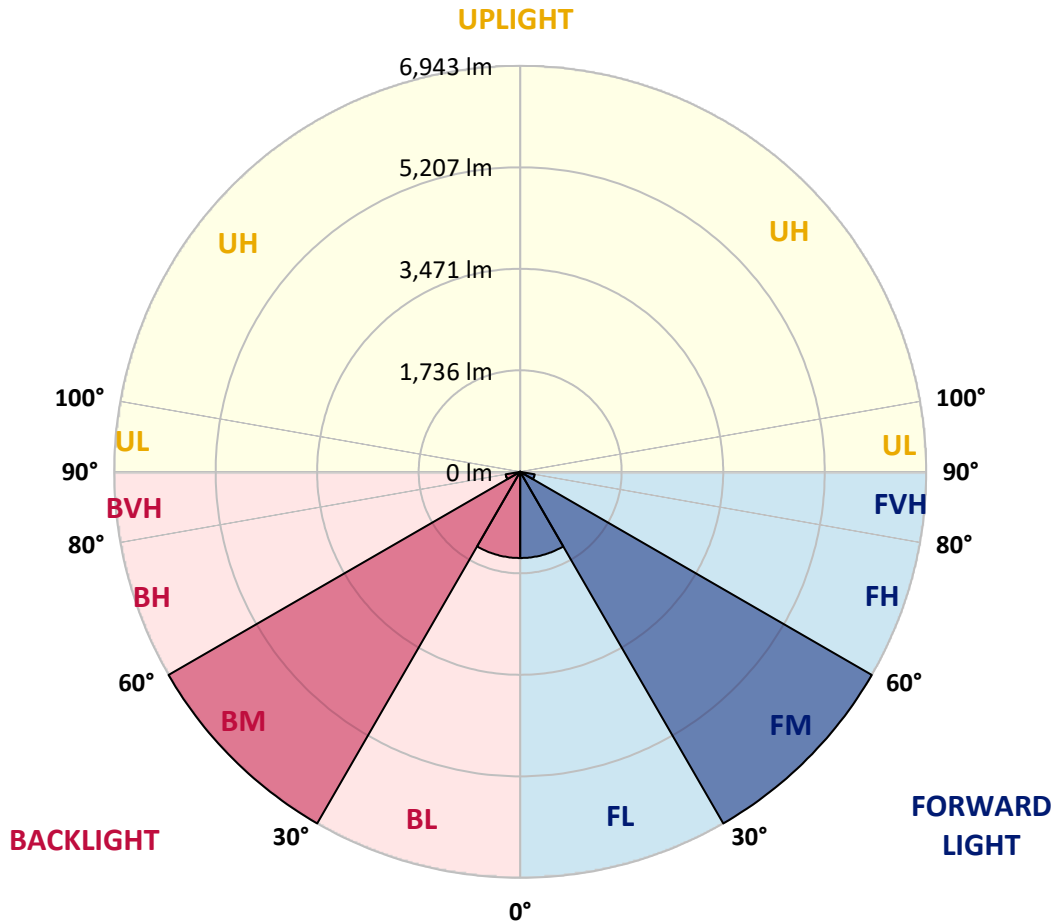
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1474.1	8.5			
FM (30°-60°)	6942.5	40.0			
FH (60°-80°)	252.1	1.5			G0/660
FVH (80°-90°)	8.4	0.0			G0/10
BL (0°-30°)	1474.1	8.5	B3/2500		
BM (30°-60°)	6942.5	40.0	B4/8500		
BH (60°-80°)	252.1	1.5	B1/500		G0/660
BVH (80°-90°)	8.4	0.0			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°	2845.5	2845.5	2845.5	2845.5	2845.5	2845.5	2845.5	2845.5	2845.5	2845.5	2845.5
2.5°	2859.3	2875.8	2864.8	2873.0	2873.0	2859.3	2867.5	2834.5	2856.5	2840.0	2842.8
5°	2903.3	2900.5	2900.5	2903.3	2892.3	2897.8	2886.8	2875.8	2867.5	2856.5	2889.5
7.5°	2958.2	2958.2	2939.0	2944.5	2939.0	2947.2	2925.2	2903.3	2895.0	2886.8	2881.3
10°	3010.5	3005.0	2996.7	3021.5	3002.2	2991.2	2980.2	2966.5	2936.2	2925.2	2914.2
12.5°	3087.5	3084.7	3073.7	3098.5	3087.5	3098.5	3057.2	3021.5	3016.0	2980.2	2999.5
15°	3178.2	3202.9	3183.7	3183.7	3178.2	3164.4	3147.9	3131.4	3082.0	3068.2	3071.0
17.5°	3296.4	3288.2	3290.9	3290.9	3318.4	3282.7	3249.7	3208.4	3183.7	3175.4	3147.9
20°	3409.1	3420.1	3417.4	3436.6	3453.1	3414.6	3378.9	3373.4	3304.6	3315.6	3277.2
22.5°	3607.1	3598.8	3612.6	3626.3	3615.3	3609.8	3576.8	3535.6	3475.1	3447.6	3442.1
25°	3816.0	3802.3	3777.5	3810.5	3827.0	3851.8	3788.5	3766.5	3673.1	3631.8	3634.6
27.5°	3994.7	4014.0	4041.5	4055.2	4096.4	4088.2	4044.2	3972.7	3901.2	3854.5	3824.3
30°	4239.4	4250.4	4297.1	4316.4	4387.9	4407.1	4338.4	4255.9	4129.4	4068.9	4033.2
32.5°	4464.8	4541.8	4539.1	4635.3	4750.8	4830.5	4706.8	4580.3	4453.9	4382.4	4319.1
35°	4830.5	4816.8	4896.5	4998.2	5185.2	5275.9	5141.2	4995.5	4803.0	4687.5	4638.1
37.5°	5171.4	5176.9	5284.1	5446.3	5660.8	5801.0	5682.8	5443.6	5245.6	5097.2	5028.5
40°	5666.3	5677.3	5787.3	5971.5	6213.4	6364.6	6227.1	5985.2	5721.3	5605.8	5605.8
42.5°	6246.4	6293.1	6364.6	6524.1	6741.3	6909.0	6785.2	6595.5	6328.9	6180.4	6202.4
45°	6843.0	6865.0	6911.7	7148.2	7249.9	7332.4	7216.9	7128.9	6950.2	6768.8	6738.5
47.5°	7401.1	7409.3	7546.8	7621.0	7700.8	7632.0	7706.3	7590.8	7390.1	7214.1	7178.4
50°	7648.5	7634.8	7830.0	8055.4	8115.9	7994.9	7931.7	7854.7	7549.6	7337.9	7244.4
52.5°	6928.2	7007.9	7370.8	7997.7	8470.6	8572.3	8203.9	7849.2	7280.1	6867.7	6804.5
54°	6103.4	6177.7	6477.3	7406.6	8390.8	8734.5	8140.6	7387.3	6584.5	6095.2	6031.9
55°	5286.9	5204.4	5748.8	6697.3	8016.9	8591.5	7890.5	6790.7	5872.5	5424.3	5336.4
57.5°	2862.0	2875.8	3334.9	4231.2	5633.3	6587.3	5817.5	4594.1	3469.6	2966.5	2922.5
60°	907.3	929.3	1130.0	1710.1	2691.6	3213.9	2754.8	1844.8	1275.7	1022.7	981.5
62.5°	283.2	294.2	321.7	478.4	736.8	1053.0	824.8	494.9	368.4	338.2	343.7
65°	173.2	173.2	176.0	187.0	219.9	255.7	247.4	217.2	208.9	203.4	200.7
67.5°	112.7	110.0	115.5	123.7	129.2	132.0	140.2	148.5	145.7	140.2	140.2
70°	68.7	66.0	71.5	82.5	85.2	90.7	99.0	110.0	107.2	101.7	104.5
72.5°	38.5	38.5	41.2	49.5	57.7	63.2	71.5	79.7	82.5	79.7	79.7
75°	13.7	16.5	22.0	30.2	35.7	44.0	52.2	60.5	68.7	63.2	60.5
77.5°	5.5	5.5	11.0	19.2	27.5	35.7	49.5	57.7	63.2	57.7	52.2
80°	2.7	2.7	8.2	16.5	24.7	33.0	41.2	49.5	52.2	46.7	41.2
82.5°	2.7	2.7	8.2	16.5	24.7	30.2	44.0	49.5	55.0	49.5	41.2
85°	0.0	2.7	8.2	16.5	22.0	24.7	24.7	16.5	13.7	8.2	8.2
87.5°	0.0	0.0	2.7	0.0	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)