

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: P530067

Luminaire Tested: **GALN-SA5B-735-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530067  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA5B-735-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15931 lumens  
Efficiency: N/A  
Efficacy: 78.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

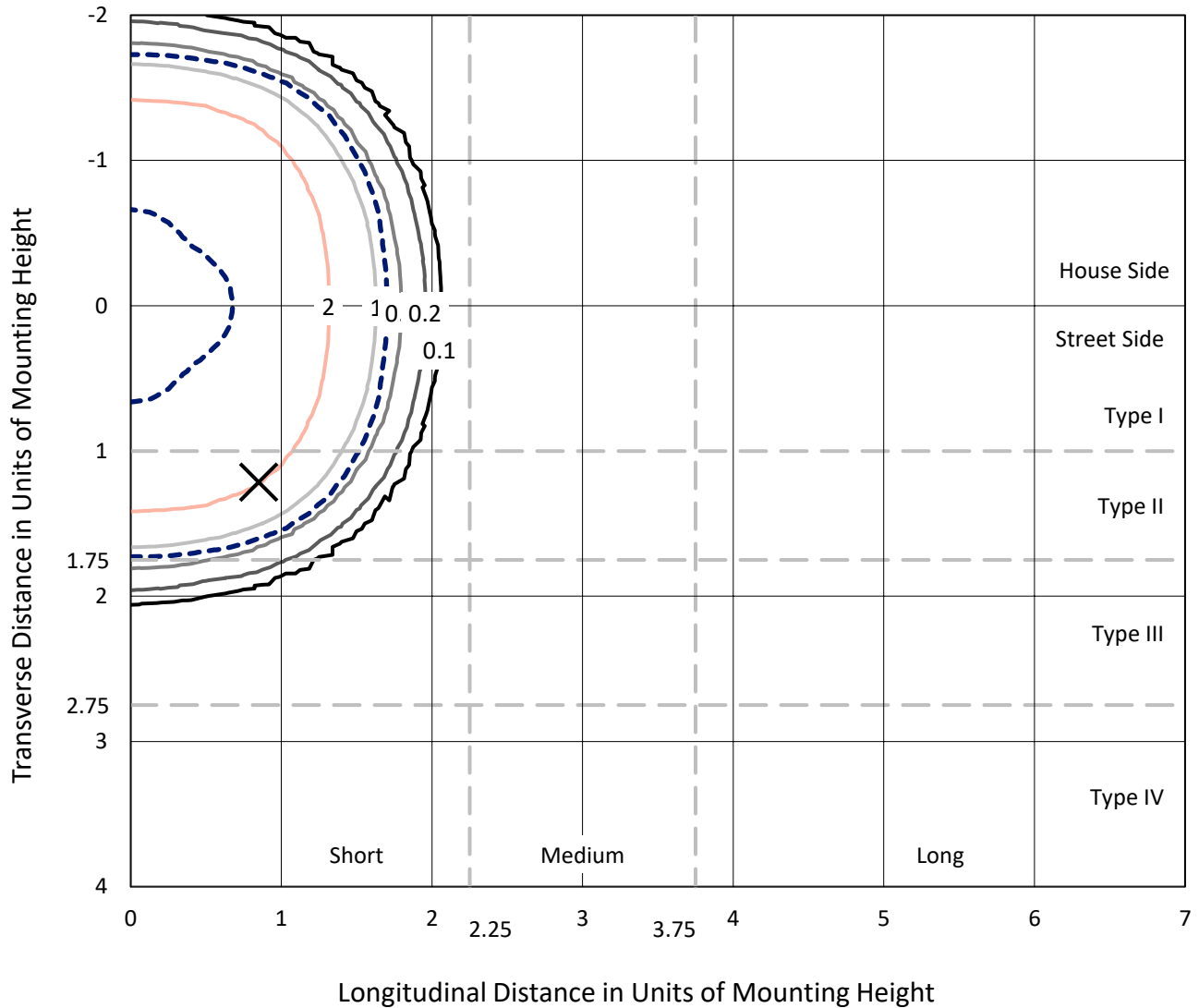
Input Watts (W): 204  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

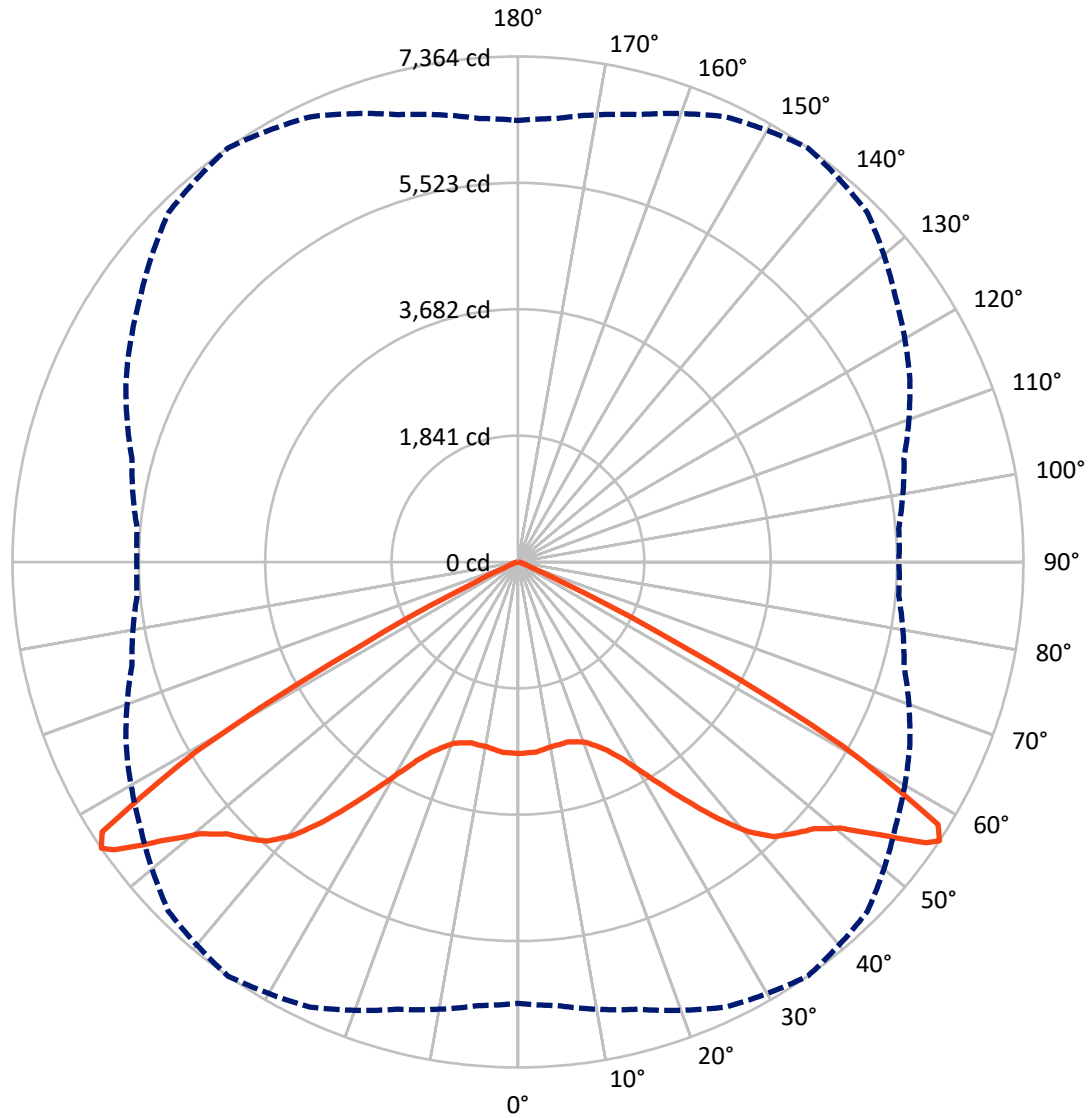
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7965.5	0.0	7965.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7965.5	0.0	7965.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15931.0	0.0	15931.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	262.4	1.6
10°-20°	765.9	4.8
20°-30°	1387.0	8.7
30°-40°	2572.0	16.1
40°-50°	4221.8	26.5
50°-60°	5439.0	34.1
60°-70°	1198.7	7.5
70°-80°	69.5	0.4
80°-90°	14.6	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°	15931.0	100.0
0°-180°	15931.0	100.0

**Coefficient of Utilization**

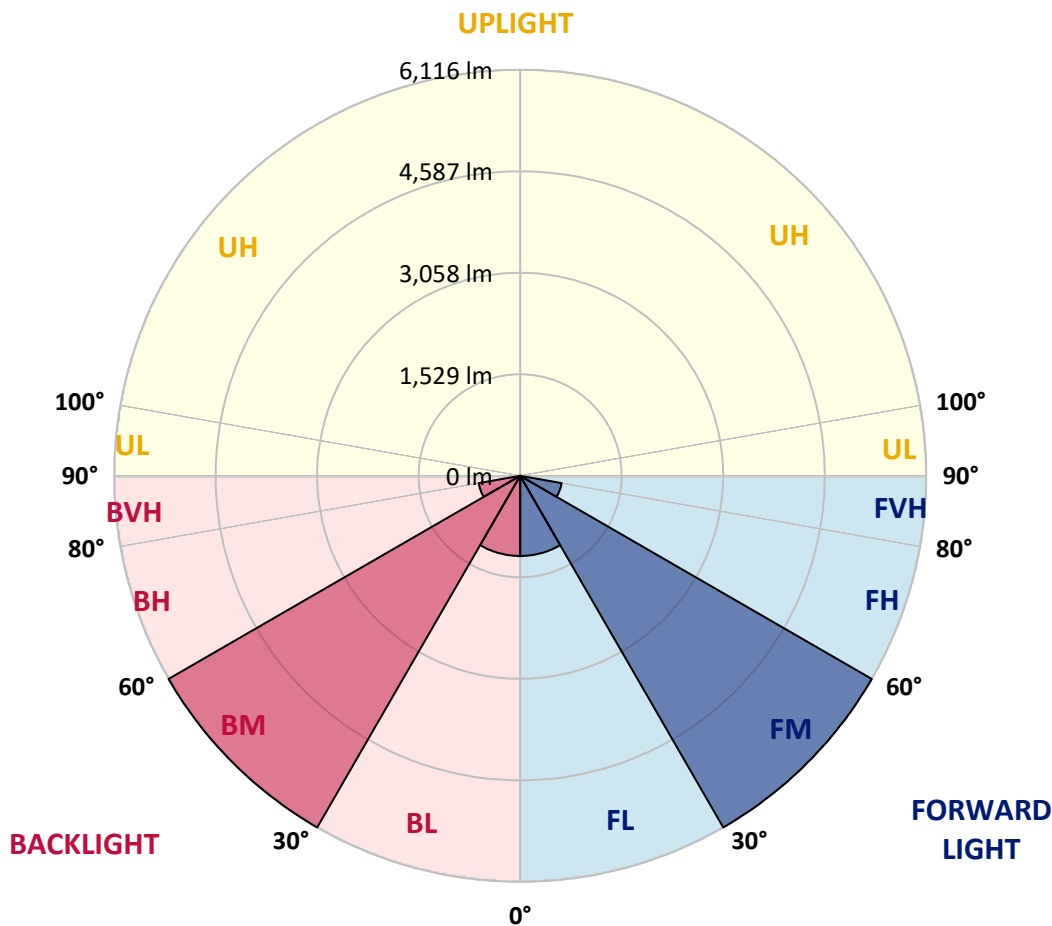


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1207.7	7.6			
FM (30°-60°)	6116.4	38.4			
FH (60°-80°)	634.1	4.0			G0/660
FVH (80°-90°)	7.3	0.0			G0/10
BL (0°-30°)	1207.7	7.6	B3/2500		
BM (30°-60°)	6116.4	38.4	B4/8500		
BH (60°-80°)	634.1	4.0	B2/1000		G0/660
BVH (80°-90°)	7.3	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°	2791.5	2791.5	2791.5	2791.5	2791.5	2791.5	2791.5	2791.5	2791.5	2791.5	2791.5
2.5°	2797.2	2797.2	2800.1	2803.0	2782.8	2774.1	2777.0	2771.2	2768.4	2777.0	2777.0
5°	2788.6	2788.6	2779.9	2782.8	2782.8	2756.8	2756.8	2762.6	2762.6	2745.3	2739.5
7.5°	2765.5	2759.7	2748.2	2762.6	2753.9	2753.9	2733.7	2719.3	2713.5	2725.1	2713.5
10°	2716.4	2719.3	2730.8	2736.6	2730.8	2748.2	2713.5	2693.3	2673.1	2664.4	2664.4
12.5°	2693.3	2710.6	2693.3	2707.7	2727.9	2713.5	2693.3	2678.9	2650.0	2638.5	2638.5
15°	2690.4	2702.0	2707.7	2727.9	2719.3	2725.1	2684.6	2667.3	2624.0	2603.8	2595.2
17.5°	2687.5	2702.0	2710.6	2748.2	2753.9	2756.8	2725.1	2673.1	2635.6	2615.4	2595.2
20°	2719.3	2725.1	2742.4	2779.9	2803.0	2843.4	2785.7	2730.8	2650.0	2626.9	2618.3
22.5°	2759.7	2788.6	2805.9	2846.3	2906.9	2941.6	2866.5	2797.2	2713.5	2684.6	2650.0
25°	2889.6	2883.8	2912.7	2996.4	3045.5	3071.5	3010.8	2909.8	2800.1	2765.5	2771.2
27.5°	3051.3	3057.0	3083.0	3175.4	3247.6	3288.0	3215.8	3083.0	2976.2	2918.5	2912.7
30°	3262.0	3256.2	3285.1	3409.2	3539.1	3599.7	3472.7	3316.8	3212.9	3137.9	3155.2
32.5°	3484.3	3487.2	3568.0	3680.6	3891.3	4009.6	3804.7	3614.2	3458.3	3406.3	3380.3
35°	3813.4	3827.8	3891.3	4064.5	4298.3	4451.3	4226.2	3998.1	3819.1	3723.9	3735.4
37.5°	4220.4	4205.9	4312.8	4500.4	4745.8	4858.3	4667.8	4408.0	4226.2	4162.6	4203.1
40°	4653.4	4667.8	4722.7	4893.0	5167.2	5242.3	4959.4	4817.9	4659.2	4627.4	4676.5
42.5°	5086.4	5077.7	5118.1	5271.1	5470.3	5418.4	5250.9	5167.2	5054.6	4991.1	5057.5
45°	5403.9	5389.5	5464.6	5568.5	5640.6	5542.5	5467.4	5438.6	5380.8	5311.6	5372.2
47.5°	5712.8	5701.3	5773.4	5802.3	5808.1	5678.2	5692.6	5744.6	5600.2	5455.9	5525.2
50°	5975.5	5955.3	6044.8	6108.3	6093.9	5886.0	5938.0	5886.0	5660.8	5490.5	5464.6
52.5°	6414.3	6422.9	6518.2	6633.7	6599.0	6425.8	6350.8	6114.1	5825.4	5672.4	5582.9
55°	6691.4	6648.1	6812.6	7179.3	7219.7	7040.7	6708.7	6359.4	5926.4	5738.8	5715.7
56°	6431.6	6486.4	6746.3	7156.2	7364.0	7199.5	6717.4	6298.8	5822.5	5568.5	5551.2
57.5°	5770.5	5741.7	6093.9	6653.9	7219.7	7150.4	6480.7	5865.8	5311.6	5025.8	4991.1
60°	3591.1	3674.8	3983.7	4676.5	5432.8	5467.4	4803.5	4275.2	3628.6	3374.6	3435.2
62.5°	1405.8	1333.7	1527.1	2043.8	2563.4	2678.9	2427.7	2017.8	1657.0	1405.8	1388.5
65°	326.2	317.5	358.0	493.6	689.9	799.6	759.2	545.6	401.3	381.0	352.2
67.5°	184.7	184.7	176.1	176.1	193.4	205.0	196.3	193.4	202.1	210.7	207.8
70°	129.9	127.0	121.2	124.1	118.4	118.4	127.0	141.4	153.0	153.0	155.9
72.5°	77.9	77.9	77.9	86.6	86.6	86.6	95.3	106.8	109.7	106.8	103.9
75°	34.6	34.6	40.4	49.1	54.8	57.7	66.4	72.2	77.9	72.2	66.4
77.5°	8.7	8.7	14.4	20.2	26.0	31.8	43.3	52.0	54.8	52.0	43.3
80°	2.9	2.9	5.8	14.4	26.0	31.8	43.3	46.2	49.1	43.3	34.6
82.5°	2.9	2.9	5.8	14.4	20.2	26.0	34.6	40.4	43.3	37.5	34.6
85°	0.0	2.9	5.8	11.5	17.3	23.1	23.1	17.3	14.4	8.7	11.5
87.5°	0.0	0.0	2.9	2.9	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)