

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: P528431

Luminaire Tested: **GALN-SA3C-735-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528431  
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-SA3C-735-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3500K, 1050mA 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: 13431 lumens  
Efficiency: N/A  
Efficacy: 83.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

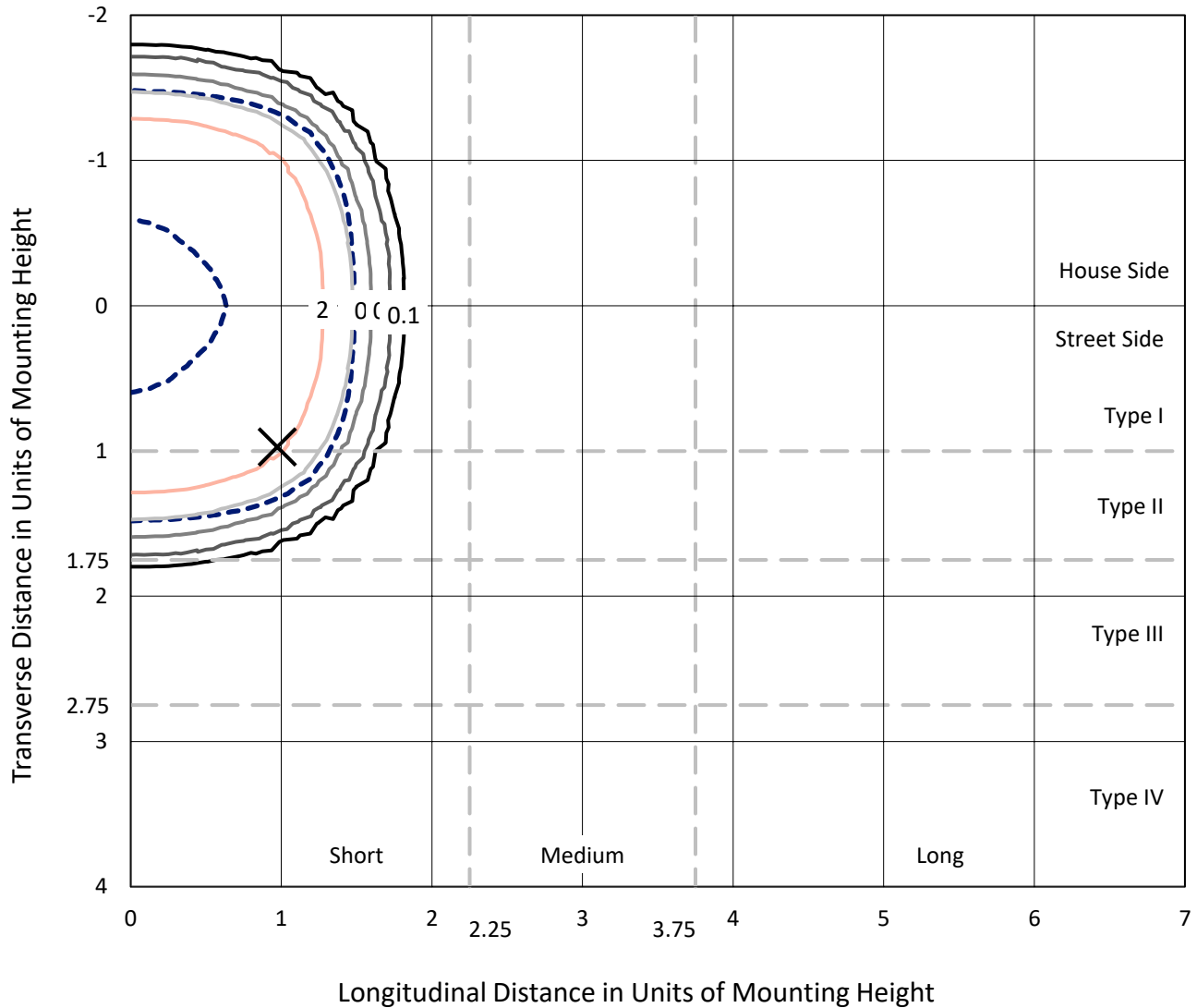
Input Watts (W): 160  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

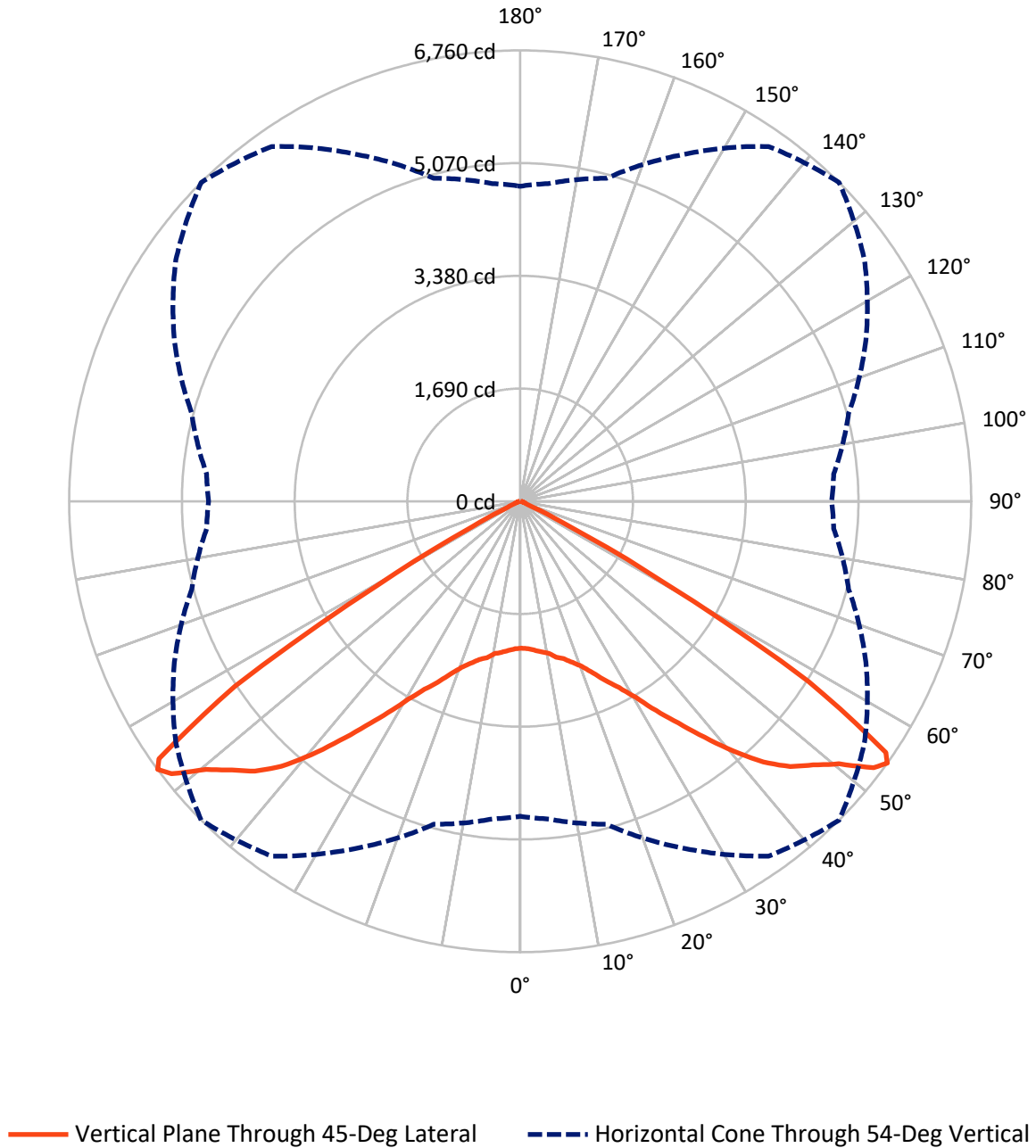
✕ Max cd  
 - - - 1/2 Max cd



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



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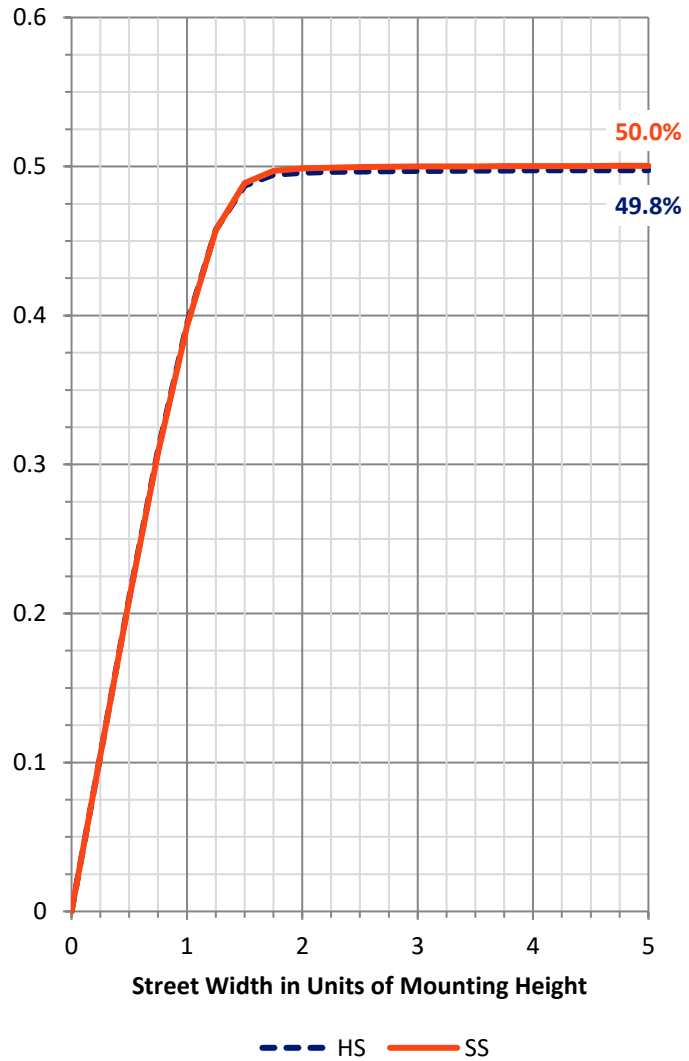
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6715.5	0.0	6715.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6715.5	0.0	6715.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13431.0	0.0	13431.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	215.5	1.6
10°-20°	698.0	5.2
20°-30°	1368.1	10.2
30°-40°	2460.1	18.3
40°-50°	4211.3	31.4
50°-60°	4074.8	30.3
60°-70°	348.8	2.6
70°-80°	41.3	0.3
80°-90°	13.0	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°	13431.0	100.0
0°-180°	13431.0	100.0

**Coefficient of Utilization**



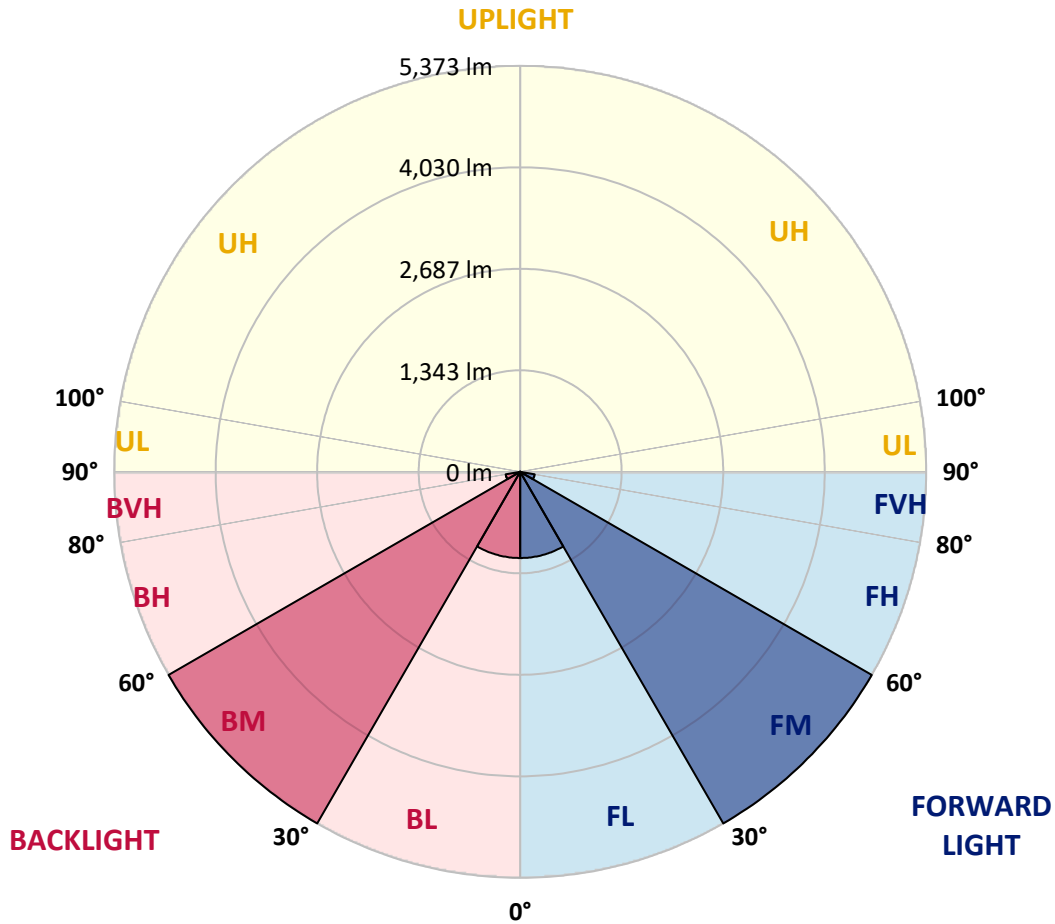
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1140.8	8.5			
FM (30°-60°)	5373.1	40.0			
FH (60°-80°)	195.1	1.5			G0/660
FVH (80°-90°)	6.5	0.0			G0/10
BL (0°-30°)	1140.8	8.5	B3/2500		
BM (30°-60°)	5373.1	40.0	B4/8500		
BH (60°-80°)	195.1	1.5	B1/500		G0/660
BVH (80°-90°)	6.5	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°	2202.3	2202.3	2202.3	2202.3	2202.3	2202.3	2202.3	2202.3	2202.3	2202.3	2202.3
2.5°	2212.9	2225.7	2217.2	2223.5	2223.5	2212.9	2219.3	2193.8	2210.8	2198.0	2200.1
5°	2246.9	2244.8	2244.8	2246.9	2238.4	2242.7	2234.2	2225.7	2219.3	2210.8	2236.3
7.5°	2289.5	2289.5	2274.6	2278.9	2274.6	2281.0	2264.0	2246.9	2240.6	2234.2	2229.9
10°	2329.9	2325.7	2319.3	2338.4	2323.5	2315.0	2306.5	2295.9	2272.5	2264.0	2255.5
12.5°	2389.5	2387.4	2378.9	2398.0	2389.5	2398.0	2366.1	2338.4	2334.2	2306.5	2321.4
15°	2459.7	2478.9	2464.0	2464.0	2459.7	2449.1	2436.3	2423.6	2385.3	2374.6	2376.7
17.5°	2551.2	2544.8	2547.0	2547.0	2568.2	2540.6	2515.1	2483.1	2464.0	2457.6	2436.3
20°	2638.5	2647.0	2644.8	2659.7	2672.5	2642.7	2615.1	2610.8	2557.6	2566.1	2536.3
22.5°	2791.7	2785.3	2795.9	2806.6	2798.0	2793.8	2768.3	2736.3	2689.5	2668.3	2664.0
25°	2953.4	2942.7	2923.6	2949.1	2961.9	2981.0	2932.1	2915.1	2842.7	2810.8	2812.9
27.5°	3091.7	3106.6	3127.9	3138.5	3170.4	3164.0	3130.0	3074.7	3019.3	2983.2	2959.8
30°	3281.1	3289.6	3325.7	3340.6	3396.0	3410.9	3357.7	3293.8	3195.9	3149.1	3121.5
32.5°	3455.5	3515.1	3513.0	3587.5	3676.8	3738.5	3642.8	3544.9	3447.0	3391.7	3342.8
35°	3738.5	3727.9	3789.6	3868.3	4013.0	4083.2	3979.0	3866.2	3717.3	3627.9	3589.6
37.5°	4002.4	4006.6	4089.6	4215.2	4381.1	4489.6	4398.1	4213.0	4059.8	3944.9	3891.7
40°	4385.4	4393.9	4479.0	4621.6	4808.8	4925.8	4819.5	4632.2	4427.9	4338.6	4338.6
42.5°	4834.3	4870.5	4925.8	5049.3	5217.3	5347.1	5251.4	5104.6	4898.2	4783.3	4800.3
45°	5296.1	5313.1	5349.3	5532.3	5611.0	5674.8	5585.5	5517.4	5379.1	5238.6	5215.2
47.5°	5728.0	5734.4	5840.8	5898.2	5959.9	5906.8	5964.2	5874.8	5719.5	5583.3	5555.7
50°	5919.5	5908.9	6060.0	6234.4	6281.2	6187.6	6138.7	6079.1	5842.9	5679.1	5606.7
52.5°	5362.0	5423.7	5704.6	6189.7	6555.7	6634.5	6349.3	6074.8	5634.4	5315.2	5266.3
54°	4723.7	4781.2	5013.1	5732.3	6494.0	6760.0	6300.4	5717.4	5096.1	4717.3	4668.4
55°	4091.7	4027.9	4449.2	5183.3	6204.6	6649.4	6106.8	5255.6	4545.0	4198.1	4130.0
57.5°	2215.0	2225.7	2581.0	3274.7	4359.8	5098.2	4502.4	3555.5	2685.3	2295.9	2261.8
60°	702.2	719.2	874.5	1323.5	2083.1	2487.4	2132.0	1427.7	987.3	791.5	759.6
62.5°	219.2	227.7	249.0	370.2	570.2	814.9	638.3	383.0	285.1	261.7	266.0
65°	134.1	134.1	136.2	144.7	170.2	197.9	191.5	168.1	161.7	157.5	155.3
67.5°	87.2	85.1	89.4	95.8	100.0	102.1	108.5	114.9	112.8	108.5	108.5
70°	53.2	51.1	55.3	63.8	66.0	70.2	76.6	85.1	83.0	78.7	80.9
72.5°	29.8	29.8	31.9	38.3	44.7	48.9	55.3	61.7	63.8	61.7	61.7
75°	10.6	12.8	17.0	23.4	27.7	34.0	40.4	46.8	53.2	48.9	46.8
77.5°	4.3	4.3	8.5	14.9	21.3	27.7	38.3	44.7	48.9	44.7	40.4
80°	2.1	2.1	6.4	12.8	19.2	25.5	31.9	38.3	40.4	36.2	31.9
82.5°	2.1	2.1	6.4	12.8	19.2	23.4	34.0	38.3	42.6	38.3	31.9
85°	0.0	2.1	6.4	12.8	17.0	19.2	19.2	12.8	10.6	6.4	6.4
87.5°	0.0	0.0	2.1	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)