

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: P528204

Luminaire Tested: **GALN-SA3B-735-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528204  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA3B-735-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13865 lumens  
Efficiency: N/A  
Efficacy: 114.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

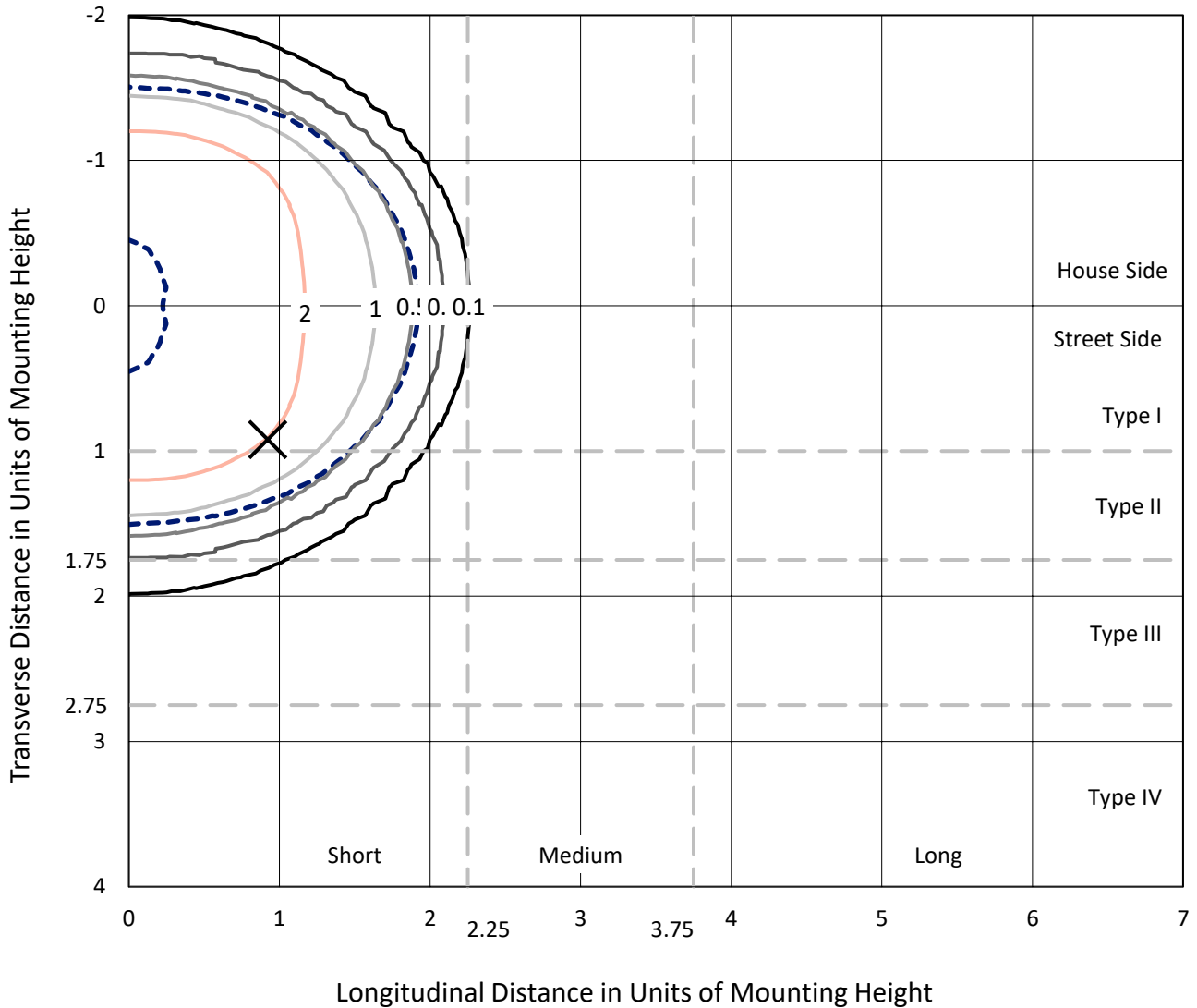
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

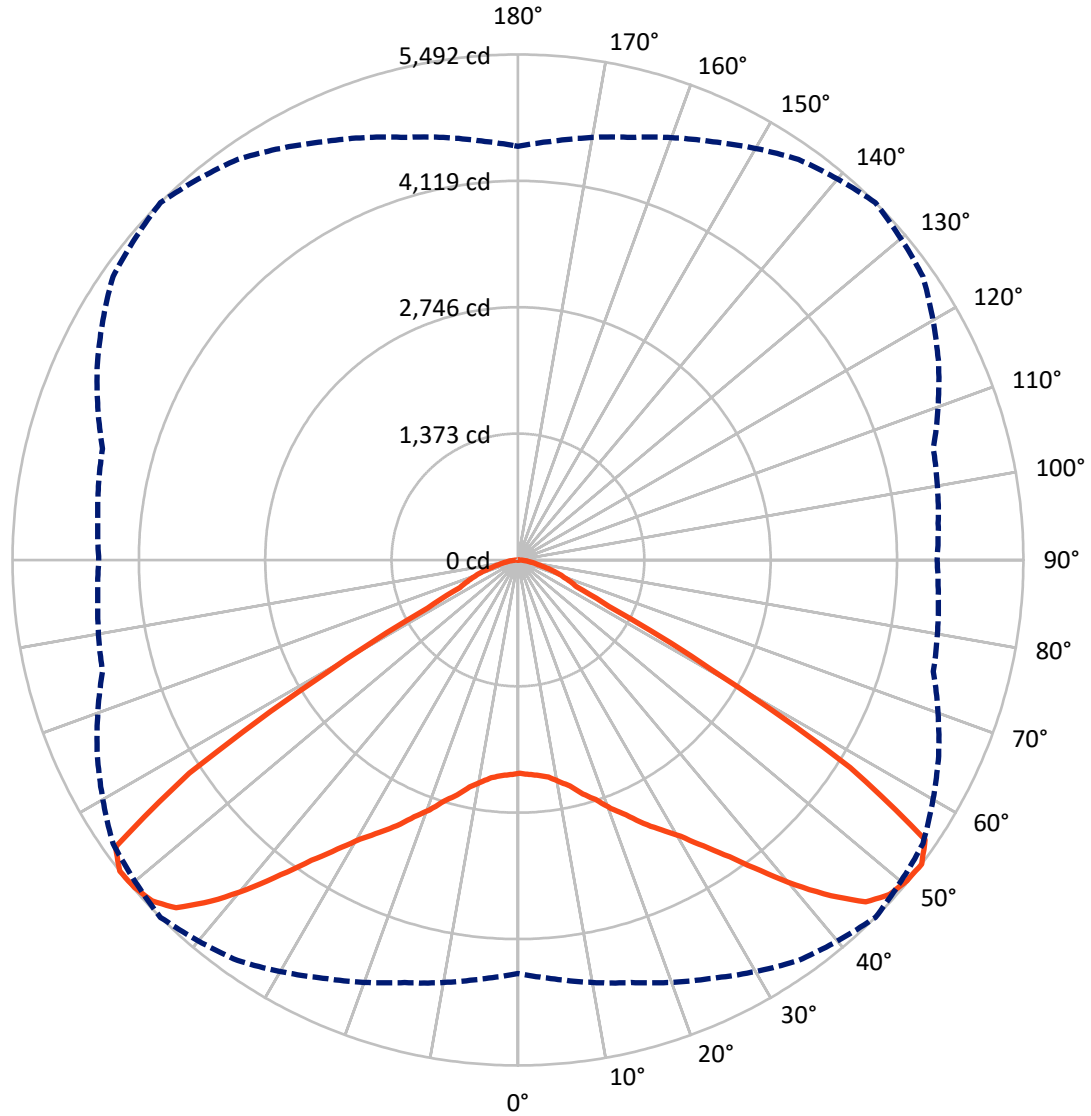
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 52.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6932.5	0.0	6932.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6932.5	0.0	6932.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13865.0	0.0	13865.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	227.7	1.6
10°-20°	748.2	5.4
20°-30°	1424.5	10.3
30°-40°	2446.0	17.6
40°-50°	3759.6	27.1
50°-60°	3817.8	27.5
60°-70°	1064.0	7.7
70°-80°	313.9	2.3
80°-90°	63.2	0.5
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°	13865.0	100.0
0°-180°	13865.0	100.0

**Coefficient of Utilization**



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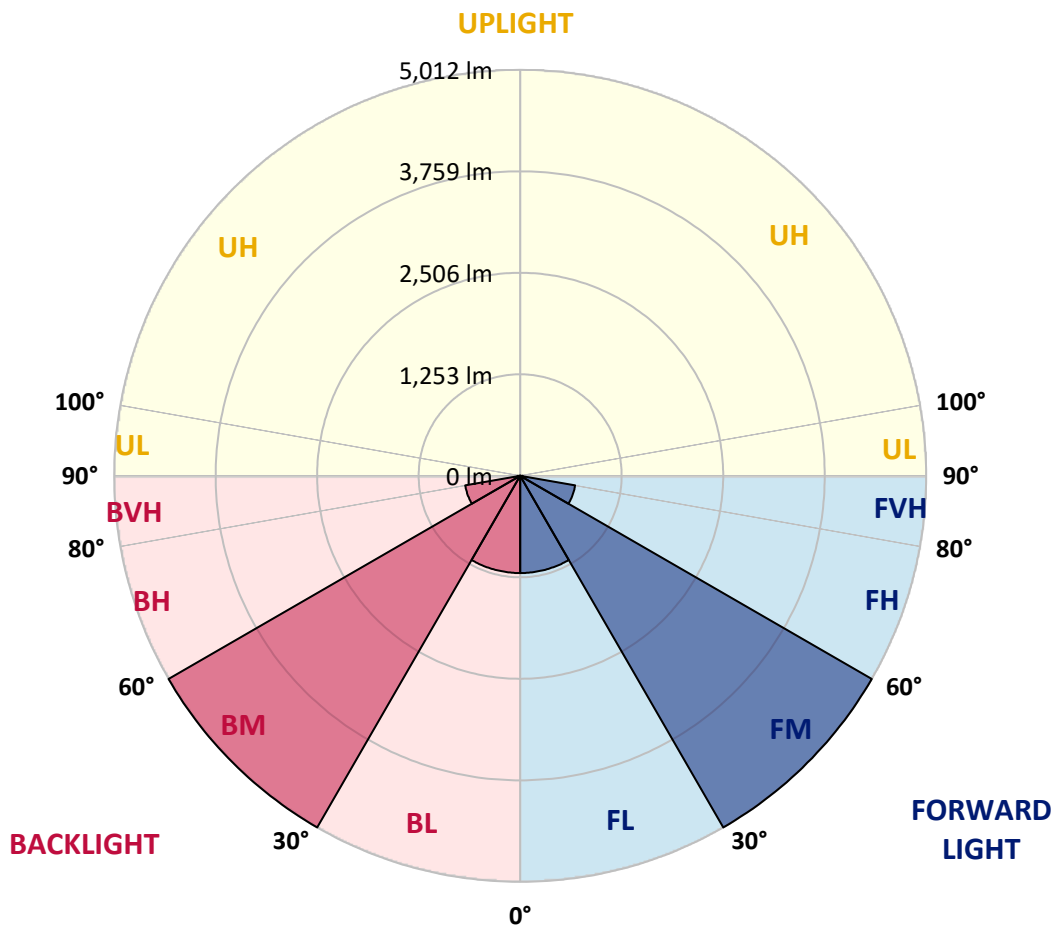
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1200.2	8.7			
FM (30°-60°)	5011.7	36.1			
FH (60°-80°)	688.9	5.0			G1/1800
FVH (80°-90°)	31.6	0.2			G1/100
BL (0°-30°)	1200.2	8.7	B3/2500		
BM (30°-60°)	5011.7	36.1	B4/8500		
BH (60°-80°)	688.9	5.0	B2/1000		G1/1800
BVH (80°-90°)	31.6	0.2			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°	2317.7	2317.7	2317.7	2317.7	2317.7	2317.7	2317.7	2317.7	2317.7	2317.7	2317.7
2.5°	2322.9	2298.8	2307.4	2312.6	2334.9	2333.2	2328.0	2334.9	2341.8	2343.5	2340.1
5°	2321.2	2304.0	2310.8	2316.0	2338.4	2350.4	2347.0	2376.2	2396.9	2391.7	2417.5
7.5°	2307.4	2317.7	2309.1	2334.9	2353.9	2383.1	2414.1	2441.6	2467.4	2496.7	2501.8
10°	2338.4	2338.4	2353.9	2374.5	2424.4	2446.8	2491.5	2531.1	2581.0	2615.4	2601.6
12.5°	2371.1	2376.2	2376.2	2429.6	2470.9	2520.8	2562.0	2615.4	2685.9	2727.2	2747.9
15°	2403.8	2407.2	2424.4	2496.7	2558.6	2637.8	2675.6	2723.8	2763.4	2840.8	2842.5
17.5°	2433.0	2451.9	2503.5	2584.4	2661.8	2737.6	2797.8	2847.7	2882.1	2913.1	2906.2
20°	2543.1	2556.9	2610.2	2691.1	2806.4	2880.4	2901.0	2909.6	2932.0	2993.9	2975.0
22.5°	2649.8	2655.0	2704.9	2828.8	2909.6	3007.7	3030.1	3024.9	3033.5	3049.0	3076.5
25°	2759.9	2768.5	2837.4	2942.3	3055.9	3172.9	3191.8	3152.2	3140.2	3157.4	3159.1
27.5°	2901.0	2902.7	2990.5	3081.7	3210.7	3320.9	3350.1	3319.1	3262.4	3276.1	3298.5
30°	3080.0	3067.9	3155.7	3286.4	3422.4	3484.3	3534.2	3518.7	3456.8	3444.7	3425.8
32.5°	3286.4	3289.9	3369.0	3511.8	3601.3	3704.6	3757.9	3732.1	3692.5	3671.9	3683.9
35°	3577.2	3592.7	3646.1	3764.8	3909.3	3960.9	4045.3	3990.2	3887.0	3912.8	3935.1
37.5°	3816.4	3861.1	3960.9	4102.0	4188.1	4282.7	4313.7	4239.7	4164.0	4133.0	4207.0
40°	4182.9	4169.1	4279.3	4420.4	4547.7	4642.3	4602.7	4528.8	4341.2	4342.9	4363.6
42.5°	4497.8	4504.7	4589.0	4757.6	4931.4	4989.9	4864.3	4683.6	4475.4	4453.0	4497.8
45°	4762.8	4790.3	4838.5	5063.9	5234.2	5297.9	5065.6	4852.2	4573.5	4480.6	4554.6
47.5°	4857.4	4902.1	5007.1	5213.6	5382.2	5433.8	5248.0	4941.7	4664.7	4513.3	4552.8
50°	4871.2	4855.7	5027.7	5217.0	5365.0	5476.8	5313.4	5007.1	4642.3	4563.2	4551.1
52.5°	4494.3	4570.1	4754.2	5014.0	5313.4	5492.3	5371.9	5043.2	4673.3	4583.8	4554.6
55°	3637.5	3548.0	3883.5	4320.6	4871.2	5368.4	5351.2	5062.2	4692.2	4618.2	4578.7
57.5°	2030.4	2056.2	2245.5	2720.3	3431.0	4256.9	4757.6	4862.6	4683.6	4640.6	4661.2
60°	939.5	948.1	1028.9	1250.9	1691.4	2414.1	3073.1	3742.4	4050.4	4112.4	4112.4
62.5°	700.3	696.9	717.5	757.1	850.0	1109.8	1481.5	2013.2	2436.4	2732.4	2809.8
65°	633.2	631.5	641.8	655.6	662.5	698.6	781.2	944.6	1082.3	1161.4	1147.7
67.5°	554.0	552.3	555.8	564.4	576.4	595.3	616.0	650.4	698.6	695.1	686.5
70°	447.4	447.4	452.5	459.4	473.2	495.5	519.6	543.7	585.0	593.6	591.9
72.5°	330.4	325.2	335.5	349.3	363.1	390.6	416.4	438.8	468.0	476.6	473.2
75°	209.9	213.4	220.2	235.7	259.8	278.7	306.3	325.2	344.1	351.0	352.7
77.5°	117.0	120.4	132.5	151.4	175.5	196.2	220.2	235.7	247.8	249.5	251.2
80°	70.5	72.3	84.3	101.5	122.2	144.5	163.5	178.9	189.3	184.1	182.4
82.5°	43.0	44.7	55.1	70.5	87.8	105.0	125.6	139.4	149.7	142.8	135.9
85°	22.4	24.1	32.7	43.0	56.8	65.4	65.4	58.5	56.8	53.3	51.6
87.5°	6.9	6.9	8.6	10.3	8.6	10.3	12.0	13.8	13.8	15.5	13.8
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)