

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: P528902

Luminaire Tested: **GALN-SA4A-735-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528902  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA4A-735-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14297 lumens  
Efficiency: N/A  
Efficacy: 118.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

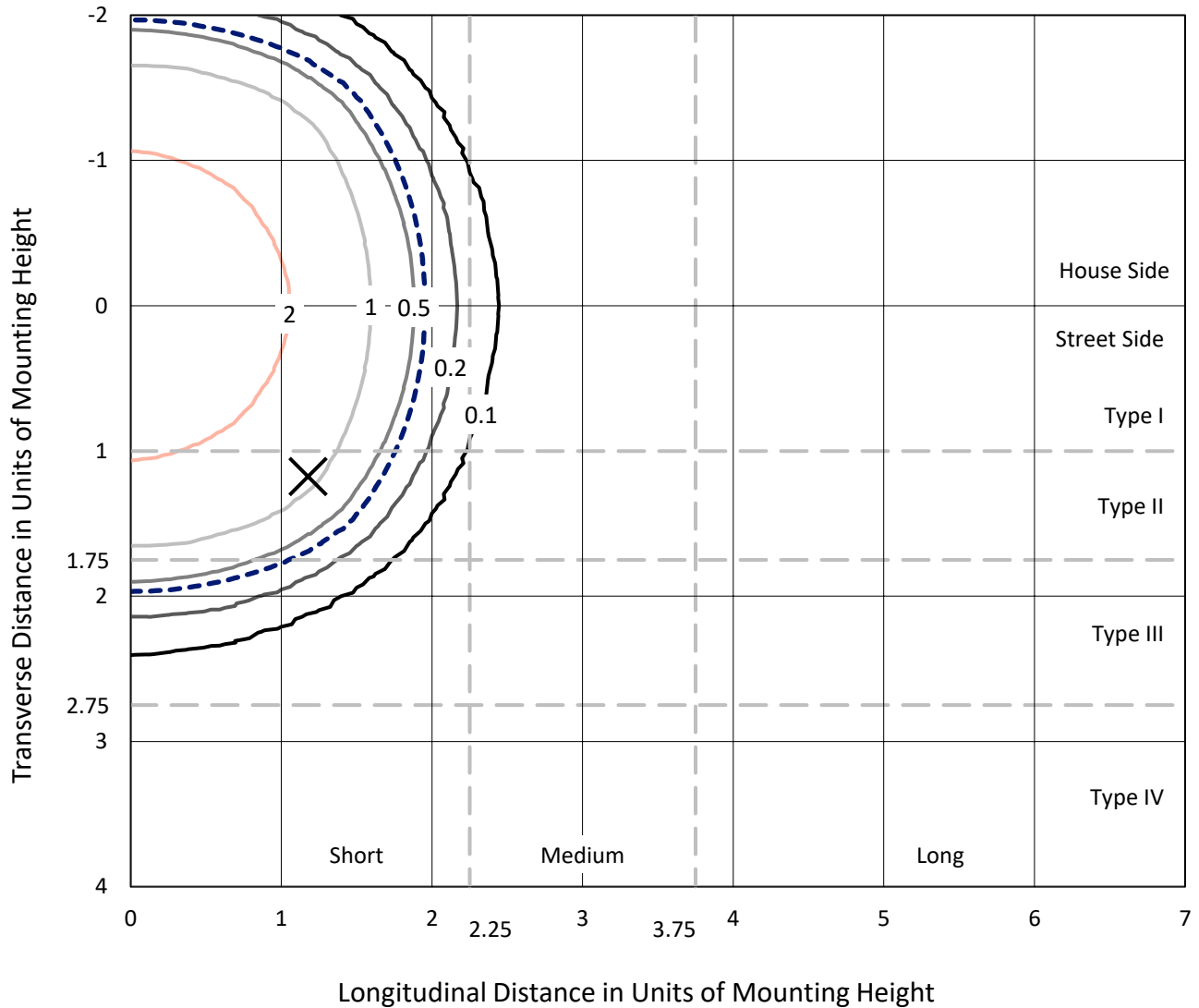
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

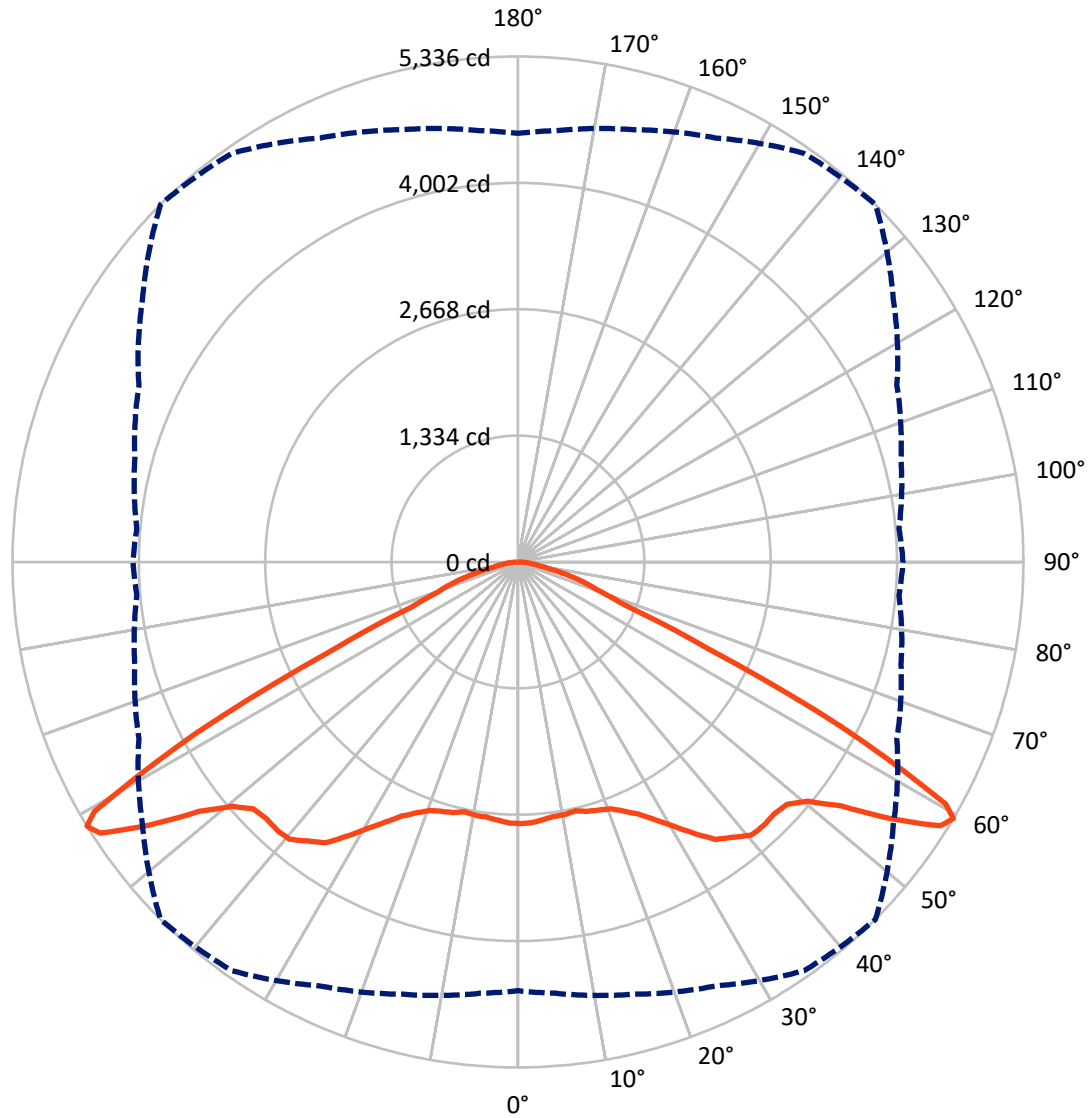
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 59-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7148.5	0.0	7148.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7148.5	0.0	7148.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14297.0	0.0	14297.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	260.3	1.8
10°-20°	774.1	5.4
20°-30°	1351.8	9.5
30°-40°	2158.9	15.1
40°-50°	2940.9	20.6
50°-60°	3976.9	27.8
60°-70°	2180.9	15.3
70°-80°	558.0	3.9
80°-90°	95.2	0.7
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°	14297.0	100.0
0°-180°	14297.0	100.0

**Coefficient of Utilization**



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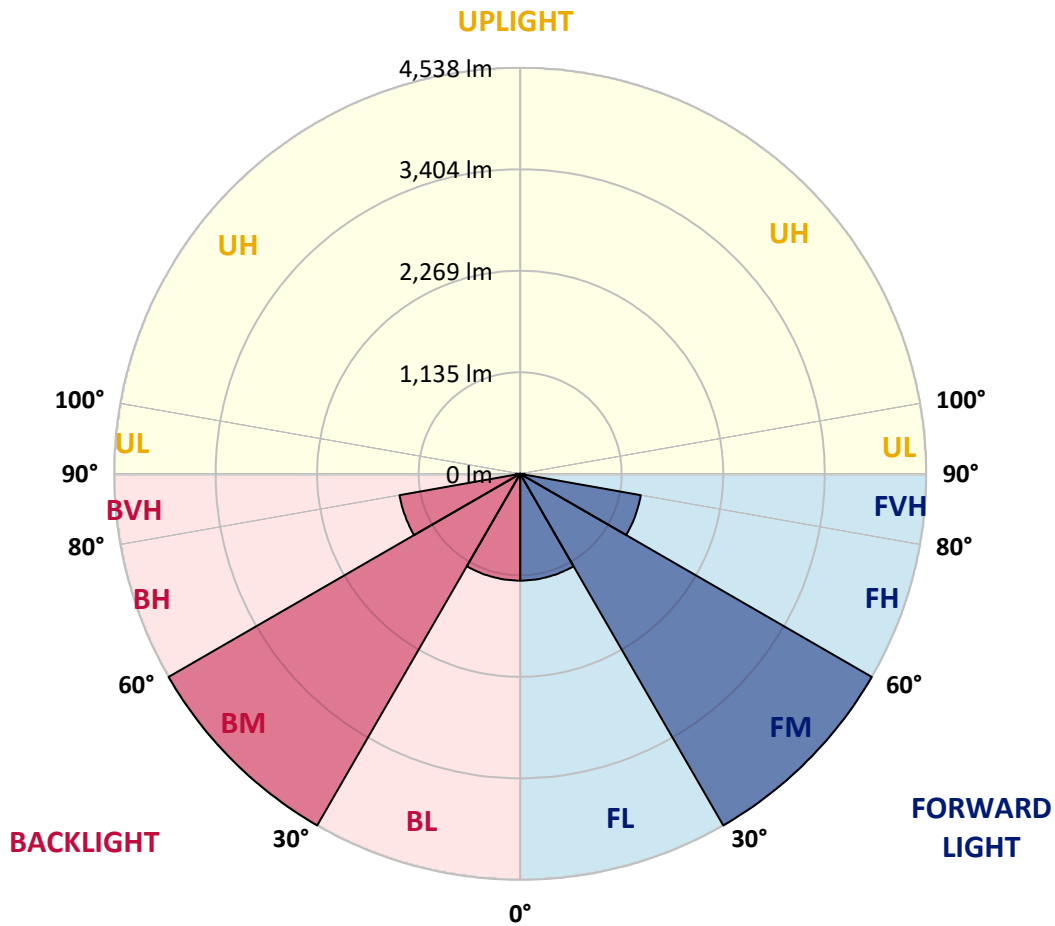
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1193.1	8.3			
FM (30°-60°)	4538.4	31.7			
FH (60°-80°)	1369.4	9.6			G1/1800
FVH (80°-90°)	47.6	0.3			G1/100
BL (0°-30°)	1193.1	8.3	B3/2500		
BM (30°-60°)	4538.4	31.7	B3/5000		
BH (60°-80°)	1369.4	9.6	B3/2500		G1/1800
BVH (80°-90°)	47.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2761.5	2761.5	2761.5	2761.5	2761.5	2761.5	2761.5	2761.5	2761.5	2761.5	2761.5
2.5°	2745.0	2765.2	2750.5	2763.3	2761.5	2756.0	2746.8	2741.3	2734.0	2745.0	2726.7
5°	2734.0	2750.5	2767.0	2745.0	2745.0	2734.0	2728.5	2717.5	2717.5	2715.7	2713.9
7.5°	2752.3	2735.8	2728.5	2732.2	2735.8	2712.0	2728.5	2706.5	2688.2	2701.0	2715.7
10°	2735.8	2743.2	2715.7	2728.5	2708.4	2712.0	2701.0	2715.7	2695.5	2695.5	2695.5
12.5°	2752.3	2732.2	2741.3	2732.2	2726.7	2695.5	2710.2	2693.7	2691.9	2710.2	2693.7
15°	2785.3	2752.3	2745.0	2726.7	2732.2	2732.2	2717.5	2719.4	2699.2	2710.2	2713.9
17.5°	2774.3	2756.0	2750.5	2728.5	2746.8	2752.3	2724.8	2706.5	2719.4	2717.5	2715.7
20°	2783.5	2790.8	2785.3	2789.0	2796.3	2781.7	2756.0	2730.3	2713.9	2737.7	2735.8
22.5°	2842.1	2834.8	2831.1	2827.5	2840.3	2855.0	2820.1	2779.8	2779.8	2796.3	2803.6
25°	2889.8	2887.9	2886.1	2902.6	2946.6	2946.6	2902.6	2851.3	2838.5	2849.5	2840.3
27.5°	2959.4	2979.6	2972.2	3001.5	3065.7	3080.3	3021.7	2961.2	2926.4	2913.6	2930.1
30°	3118.8	3095.0	3100.5	3131.7	3188.5	3236.1	3146.3	3082.2	3034.5	3032.7	3040.0
32.5°	3225.1	3243.4	3259.9	3289.2	3379.0	3415.7	3307.6	3203.1	3173.8	3157.3	3162.8
35°	3437.7	3421.2	3417.5	3446.8	3536.6	3597.1	3461.5	3369.9	3331.4	3368.0	3368.0
37.5°	3639.2	3593.4	3558.6	3597.1	3679.6	3686.9	3571.4	3522.0	3501.8	3544.0	3542.1
40°	3734.5	3730.9	3650.2	3672.2	3782.2	3793.2	3685.0	3626.4	3622.7	3677.7	3732.7
42.5°	3833.5	3798.7	3718.0	3732.7	3800.5	3804.2	3701.5	3685.0	3725.4	3778.5	3782.2
45°	3850.0	3820.7	3769.3	3732.7	3782.2	3793.2	3732.7	3743.7	3747.4	3811.5	3811.5
47.5°	3883.0	3879.3	3850.0	3822.5	3831.6	3822.5	3784.0	3800.5	3855.5	3886.6	3872.0
50°	3974.6	3936.1	3965.4	3941.6	3943.4	3969.1	3934.3	3950.8	3939.8	3912.3	3893.9
52.5°	4176.1	4157.8	4183.5	4200.0	4218.3	4276.9	4236.6	4148.7	4066.2	3992.9	3991.1
55°	4471.2	4484.0	4533.5	4617.8	4689.2	4782.7	4588.4	4377.7	4245.8	4130.3	4137.7
57.5°	4749.7	4740.5	4808.3	5000.7	5209.6	5257.3	4876.1	4575.6	4361.2	4287.9	4256.8
59°	4526.1	4570.1	4724.0	4938.4	5266.5	5336.1	4837.7	4414.4	4187.1	4038.7	4064.4
60°	4174.3	4190.8	4328.2	4626.9	5070.4	5189.5	4579.3	4165.2	3862.8	3776.7	3815.2
62.5°	2950.2	2937.4	3036.4	3280.1	3677.7	3839.0	3404.7	3113.3	2922.8	2827.5	2849.5
65°	1568.6	1627.2	1667.5	1819.6	2030.4	2200.8	2021.2	1894.7	1788.5	1709.7	1707.8
67.5°	1059.2	1051.8	1061.0	1095.8	1167.3	1214.9	1211.2	1147.1	1137.9	1123.3	1139.8
70°	892.4	888.7	872.2	872.2	886.9	897.9	910.7	918.1	932.7	951.0	949.2
72.5°	723.8	714.7	703.7	698.2	716.5	722.0	738.5	745.8	758.6	756.8	773.3
75°	478.3	478.3	491.1	505.8	511.3	522.2	524.1	546.1	546.1	549.7	535.1
77.5°	267.5	260.2	269.4	284.0	296.9	317.0	337.2	353.7	362.8	359.2	359.2
80°	155.8	155.8	164.9	181.4	197.9	216.2	230.9	243.7	252.9	249.2	241.9
82.5°	97.1	97.1	106.3	122.8	135.6	146.6	166.8	183.2	194.2	190.6	181.4
85°	49.5	49.5	60.5	71.5	88.0	95.3	93.5	86.1	84.3	75.1	75.1
87.5°	12.8	12.8	18.3	20.2	16.5	18.3	18.3	18.3	18.3	18.3	20.2
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)