

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: P646827

Luminaire Tested: **GALN-SA3C-835-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P646827
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-SA3C-835-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3500K, 1050mA 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: 14399.4 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

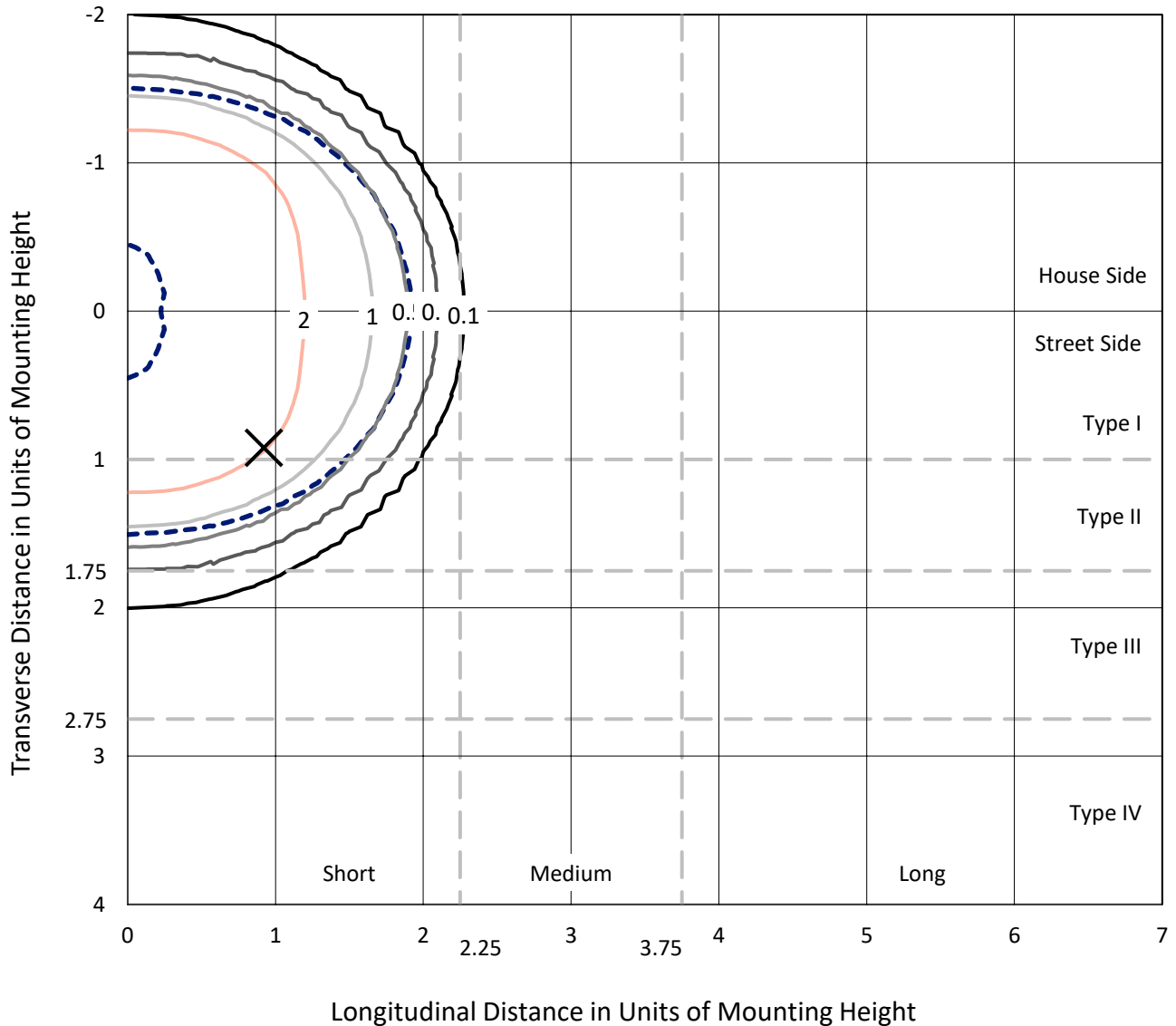
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

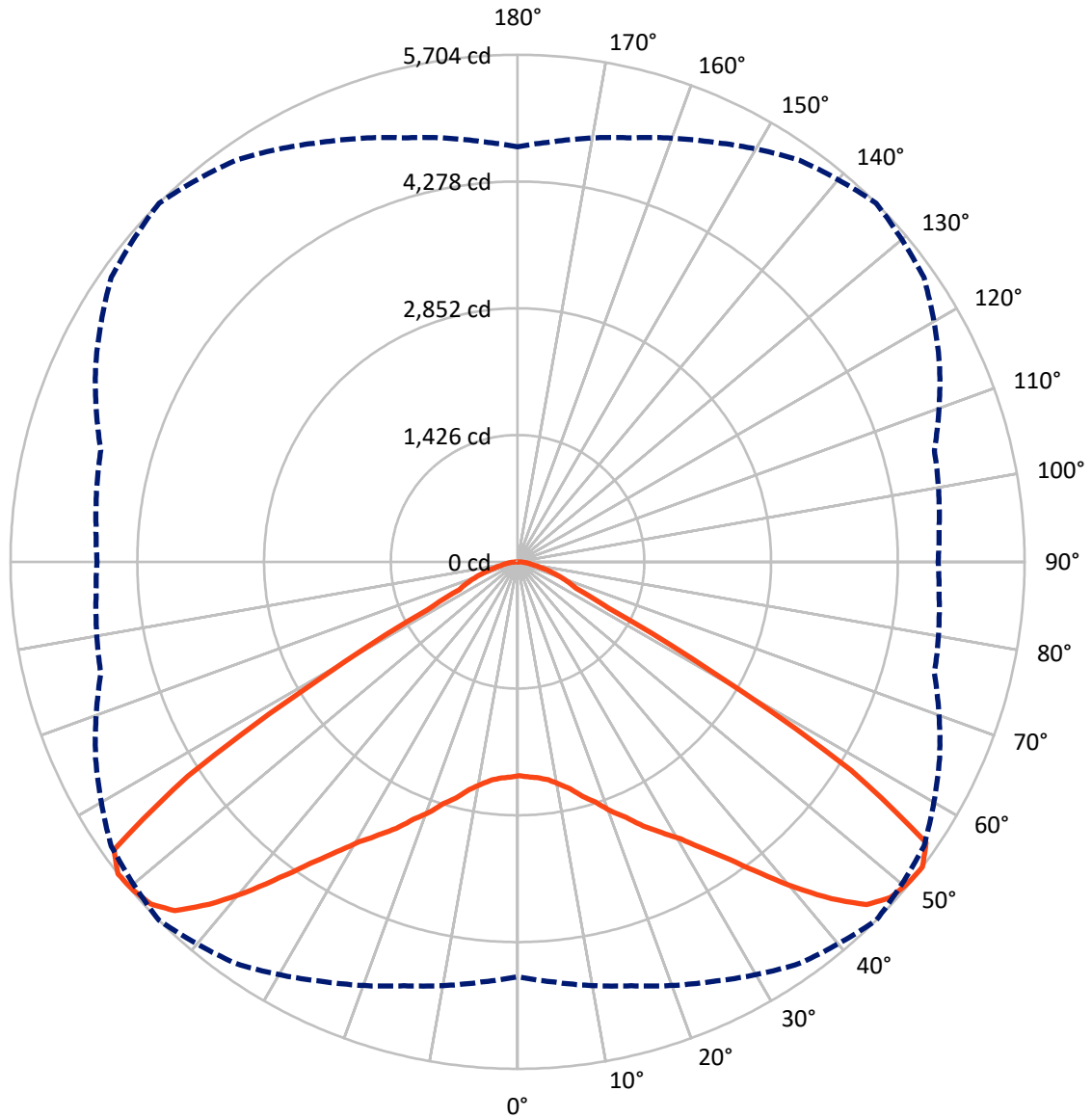
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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
House Side	Lumens	7199.7	0.0	7199.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7199.7	0.0	7199.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	14399.4	0.0	14399.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.5	1.6
10°-20°	777.1	5.4
20°-30°	1479.4	10.3
30°-40°	2540.3	17.6
40°-50°	3904.5	27.1
50°-60°	3965.0	27.5
60°-70°	1105.0	7.7
70°-80°	326.0	2.3
80°-90°	65.7	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°	14399.4	100.0
0°-180°	14399.4	100.0

Coefficient of Utilization



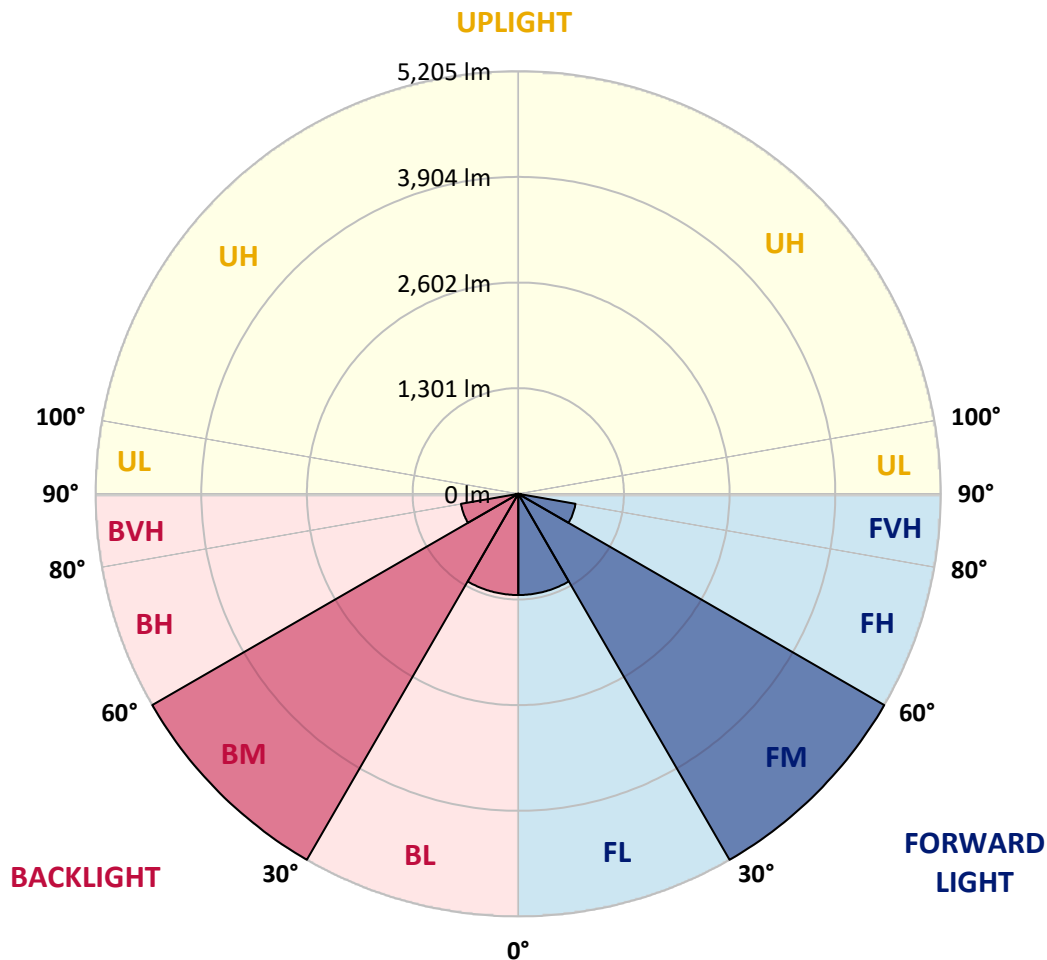
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1246.5	8.7			
FM (30°-60°)	5204.9	36.1			
FH (60°-80°)	715.5	5.0			G1/1800
FVH (80°-90°)	32.8	0.2			G1/100
BL (0°-30°)	1246.5	8.7	B3/2500		
BM (30°-60°)	5204.9	36.1	B4/8500		
BH (60°-80°)	715.5	5.0	B2/1000		G1/1800
BVH (80°-90°)	32.8	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°	2407.0	2407.0	2407.0	2407.0	2407.0	2407.0	2407.0	2407.0	2407.0	2407.0	2407.0
2.5°	2412.4	2387.4	2396.3	2401.7	2425.0	2423.2	2417.7	2425.0	2432.1	2433.9	2430.3
5°	2410.6	2392.8	2399.9	2405.2	2428.5	2441.0	2437.4	2467.8	2489.2	2483.9	2510.7
7.5°	2396.3	2407.0	2398.1	2425.0	2444.6	2475.0	2507.1	2535.7	2562.5	2592.9	2598.2
10°	2428.5	2428.5	2444.6	2466.0	2517.8	2541.1	2587.5	2628.6	2680.4	2716.2	2701.9
12.5°	2462.5	2467.8	2467.8	2523.2	2566.0	2617.9	2660.8	2716.2	2789.4	2832.3	2853.8
15°	2496.4	2500.0	2517.8	2592.9	2657.2	2739.4	2778.7	2828.7	2869.9	2950.3	2952.1
17.5°	2526.7	2546.4	2600.0	2684.0	2764.5	2843.1	2905.6	2957.5	2993.2	3025.4	3018.2
20°	2641.1	2655.5	2710.8	2794.8	2914.6	2991.4	3012.8	3021.8	3045.0	3109.3	3089.6
22.5°	2751.9	2757.3	2809.1	2937.7	3021.8	3123.6	3146.9	3141.5	3150.4	3166.5	3195.1
25°	2866.3	2875.3	2946.7	3055.7	3173.7	3295.2	3314.8	3273.7	3261.2	3279.0	3280.8
27.5°	3012.8	3014.6	3105.8	3200.4	3334.5	3448.9	3479.3	3447.1	3388.1	3402.4	3425.6
30°	3198.6	3186.2	3277.3	3413.1	3554.3	3618.6	3670.5	3654.3	3590.1	3577.5	3557.9
32.5°	3413.1	3416.7	3498.9	3647.2	3740.2	3847.3	3902.7	3875.9	3834.8	3813.4	3825.9
35°	3715.1	3731.2	3786.6	3909.9	4060.0	4113.6	4201.2	4143.9	4036.8	4063.5	4086.8
37.5°	3963.5	4010.0	4113.6	4260.1	4349.5	4447.8	4479.9	4403.1	4324.4	4292.3	4369.1
40°	4344.1	4329.8	4444.2	4590.7	4723.0	4821.2	4780.1	4703.3	4508.5	4510.3	4531.8
42.5°	4671.1	4678.3	4765.8	4941.0	5121.4	5182.2	5051.8	4864.2	4647.9	4624.6	4671.1
45°	4946.3	4974.9	5025.0	5259.0	5436.0	5502.1	5260.8	5039.2	4749.8	4653.3	4730.1
47.5°	5044.6	5091.1	5200.1	5414.5	5589.6	5643.2	5450.2	5132.2	4844.5	4687.2	4728.3
50°	5058.9	5042.8	5221.5	5418.0	5571.7	5687.9	5518.2	5200.1	4821.2	4739.0	4726.5
52.5°	4667.5	4746.2	4937.4	5207.2	5518.2	5704.0	5578.9	5237.6	4853.4	4760.5	4730.1
55°	3777.7	3684.7	4033.2	4487.1	5058.9	5575.4	5557.5	5257.2	4873.1	4796.2	4755.1
57.5°	2108.6	2135.4	2332.0	2825.2	3563.2	4421.0	4941.0	5050.0	4864.2	4819.4	4840.9
60°	975.7	984.6	1068.6	1299.2	1756.6	2507.1	3191.5	3886.7	4206.5	4270.9	4270.9
62.5°	727.3	723.7	745.2	786.3	882.8	1152.6	1538.6	2090.8	2530.3	2837.7	2918.1
65°	657.6	655.8	666.6	680.8	687.9	725.5	811.3	981.0	1124.0	1206.2	1191.9
67.5°	575.4	573.6	577.2	586.2	598.6	618.3	639.7	675.5	725.5	721.9	713.0
70°	464.6	464.6	470.0	477.1	491.4	514.7	539.6	564.7	607.5	616.5	614.7
72.5°	343.1	337.7	348.4	362.8	377.0	405.7	432.5	455.7	486.1	495.0	491.4
75°	218.0	221.6	228.7	244.8	269.8	289.5	318.1	337.7	357.4	364.6	366.4
77.5°	121.5	125.1	137.6	157.2	182.3	203.7	228.7	244.8	257.3	259.1	260.9
80°	73.3	75.1	87.5	105.5	126.8	150.1	169.8	185.8	196.5	191.2	189.4
82.5°	44.7	46.4	57.2	73.3	91.1	109.0	130.4	144.8	155.5	148.3	141.2
85°	23.3	25.1	34.0	44.7	59.0	67.9	67.9	60.8	59.0	55.4	53.6
87.5°	7.1	7.1	8.9	10.7	8.9	10.7	12.5	14.3	14.3	16.1	14.3
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)