

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: P648463

Luminaire Tested: **GALN-SA6B-835-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648463
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-SA6B-835-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 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: 15855.8 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

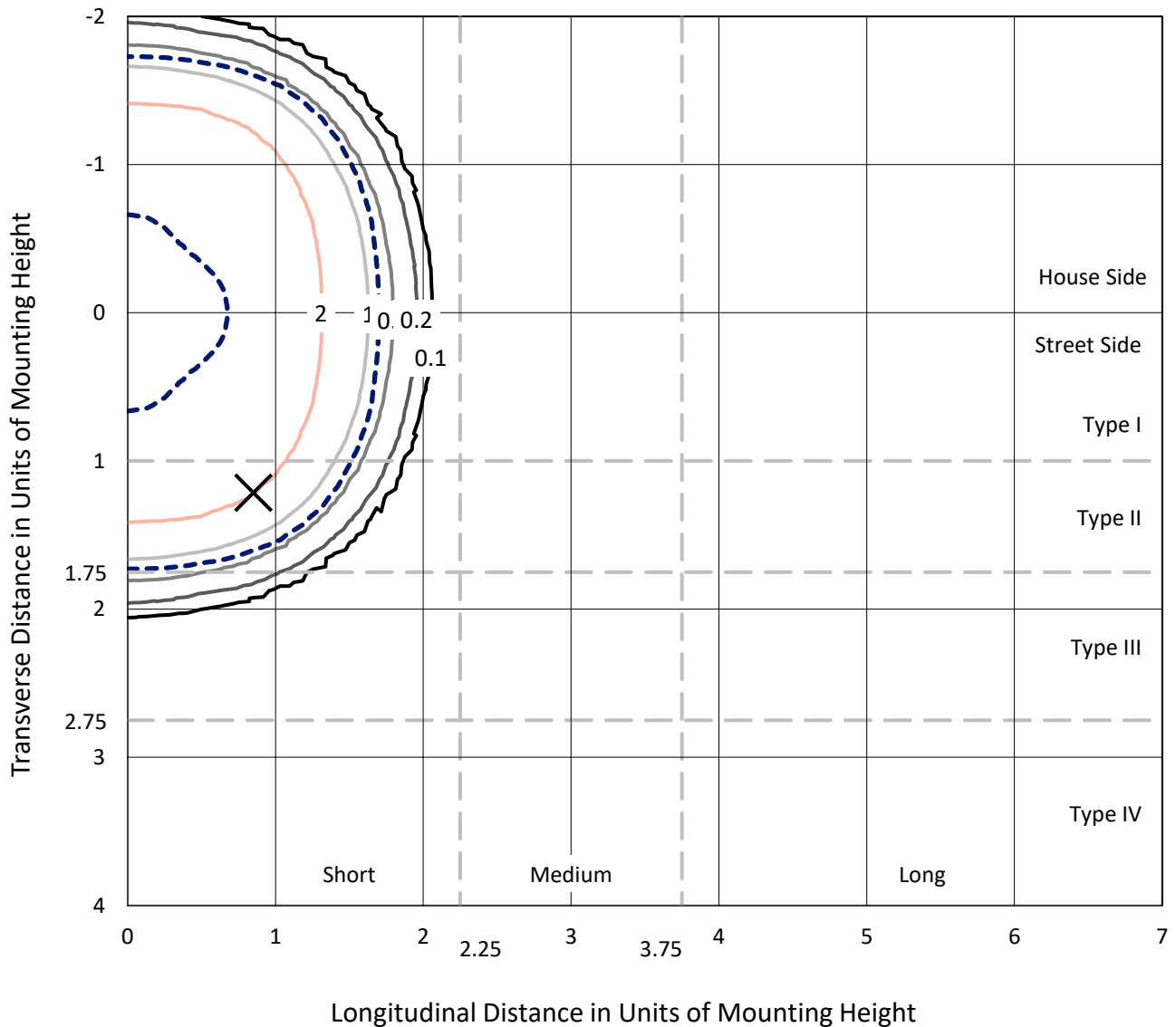
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P648463
 CATALOG NUMBER: GALN-SA6B-835-U-5MQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

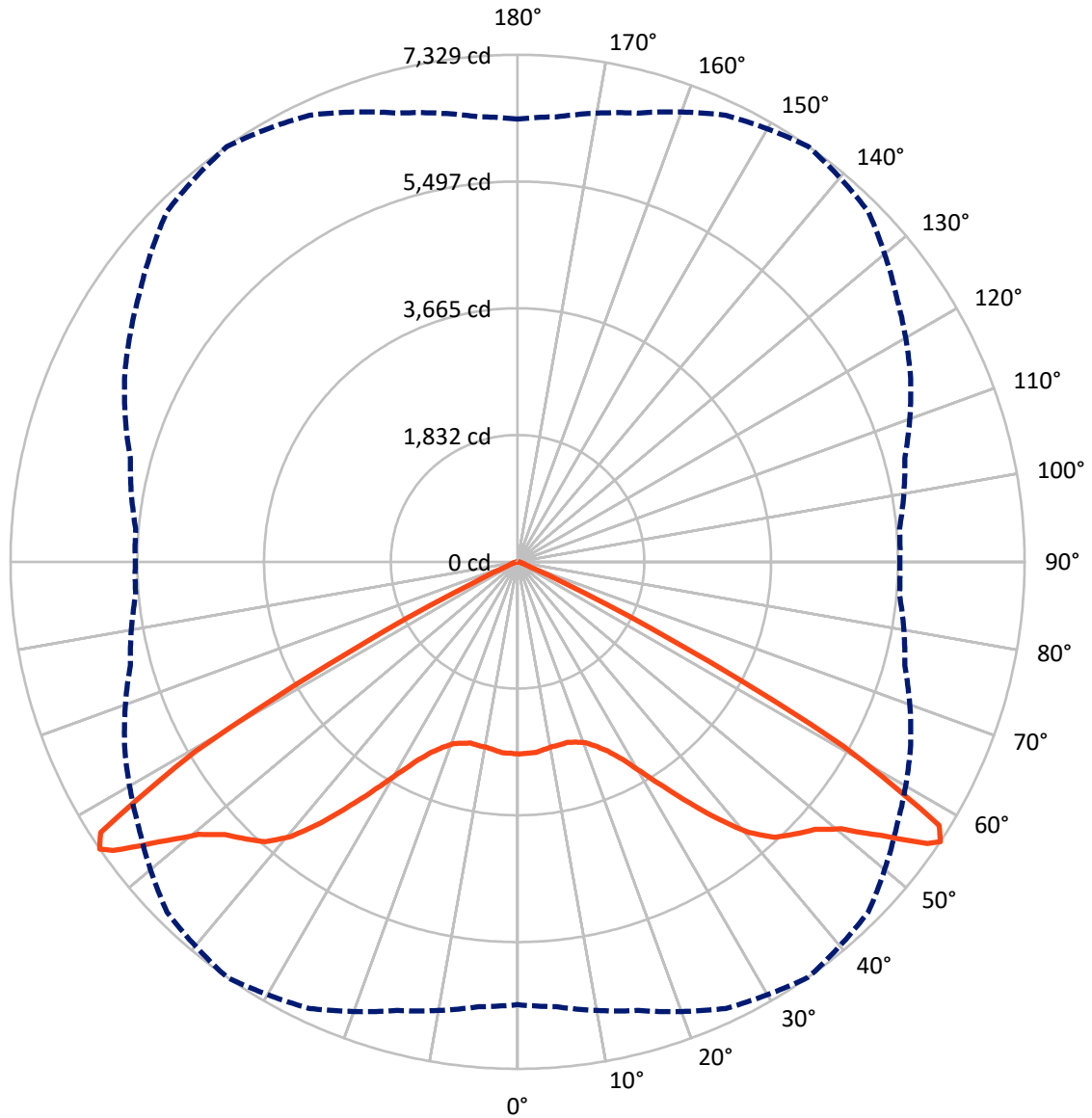
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P648463
CATALOG NUMBER: GALN-SA6B-835-U-5MQ-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P648463
 CATALOG NUMBER: GALN-SA6B-835-U-5MQ-GRSBK

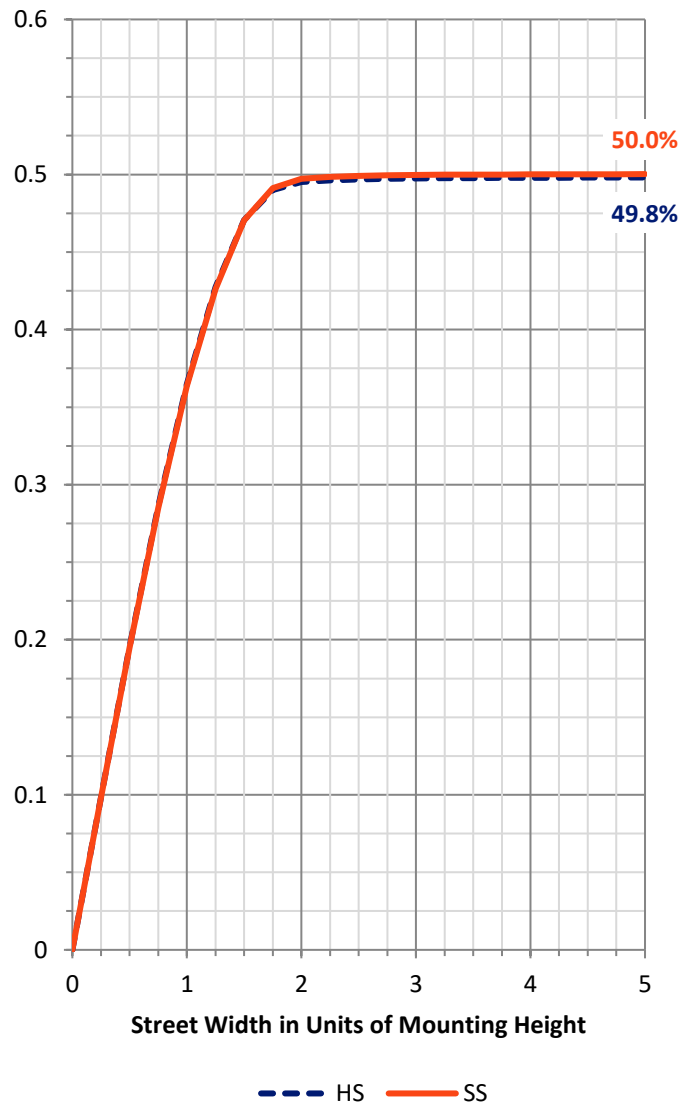
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7927.9	0.0	7927.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7927.9	0.0	7927.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	15855.8	0.0	15855.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.1	1.6
10°-20°	762.3	4.8
20°-30°	1380.5	8.7
30°-40°	2559.9	16.1
40°-50°	4201.9	26.5
50°-60°	5413.3	34.1
60°-70°	1193.0	7.5
70°-80°	69.2	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°	15855.8	100.0
0°-180°	15855.8	100.0

Coefficient of Utilization

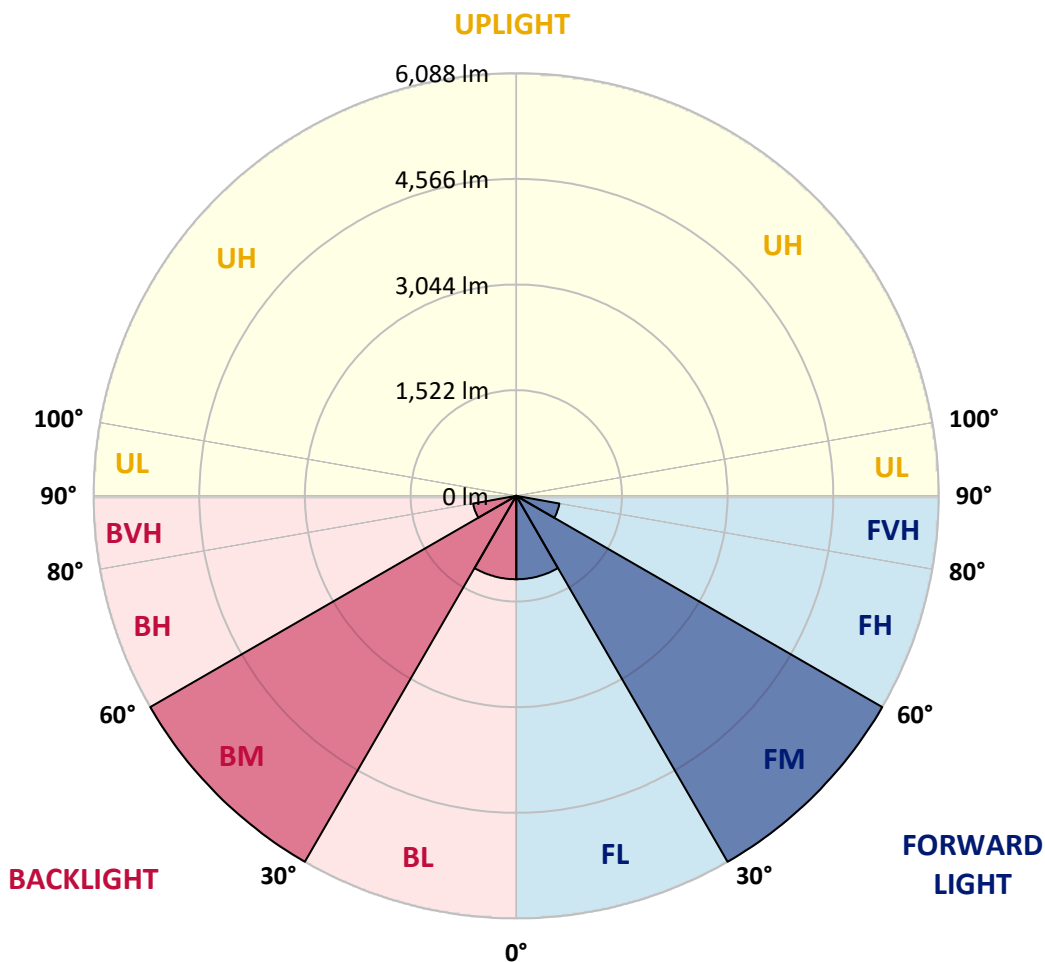


REPORT NUMBER: P648463
 CATALOG NUMBER: GALN-SA6B-835-U-5MQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1202.0	7.6			
FM (30°-60°)	6087.5	38.4			
FH (60°-80°)	631.1	4.0			G0/660
FVH (80°-90°)	7.3	0.0			G0/10
BL (0°-30°)	1202.0	7.6	B3/2500		
BM (30°-60°)	6087.5	38.4	B4/8500		
BH (60°-80°)	631.1	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





REPORT NUMBER: P648463

CATALOG NUMBER: GALN-SA6B-835-U-5MQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2778.2	2778.2	2778.2	2778.2	2778.2	2778.2	2778.2	2778.2	2778.2	2778.2	2778.2
2.5°	2784.0	2784.0	2786.9	2789.8	2769.6	2761.0	2763.9	2758.2	2755.3	2763.9	2763.9
5°	2775.4	2775.4	2766.8	2769.6	2769.6	2743.8	2743.8	2749.5	2749.5	2732.3	2726.6
7.5°	2752.4	2746.7	2735.2	2749.5	2740.9	2740.9	2720.8	2706.4	2700.7	2712.2	2700.7
10°	2703.5	2706.4	2717.9	2723.7	2717.9	2735.2	2700.7	2680.6	2660.5	2651.9	2651.9
12.5°	2680.6	2697.8	2680.6	2694.9	2715.1	2700.7	2680.6	2666.2	2637.5	2626.0	2626.0
15°	2677.7	2689.2	2694.9	2715.1	2706.4	2712.2	2672.0	2654.8	2611.6	2591.5	2582.9
17.5°	2674.8	2689.2	2697.8	2735.2	2740.9	2743.8	2712.2	2660.5	2623.1	2603.0	2582.9
20°	2706.4	2712.2	2729.5	2766.8	2789.8	2830.0	2772.5	2717.9	2637.5	2614.5	2605.9
22.5°	2746.7	2775.4	2792.6	2832.9	2893.2	2927.6	2852.9	2784.0	2700.7	2672.0	2637.5
25°	2876.0	2870.2	2898.9	2982.3	3031.1	3057.0	2996.6	2896.1	2786.9	2752.4	2758.2
27.5°	3036.9	3042.6	3068.4	3160.4	3232.2	3272.5	3200.6	3068.4	2962.2	2904.7	2898.9
30°	3246.6	3240.8	3269.6	3393.1	3522.4	3582.7	3456.3	3301.2	3197.8	3123.1	3140.3
32.5°	3467.8	3470.6	3551.1	3663.2	3872.9	3990.7	3786.7	3597.1	3441.9	3390.2	3364.4
35°	3795.4	3809.7	3872.9	4045.3	4278.0	4430.3	4206.2	3979.2	3801.1	3706.3	3717.8
37.5°	4200.5	4186.1	4292.4	4479.2	4723.4	4835.4	4645.8	4387.2	4206.2	4143.0	4183.2
40°	4631.4	4645.8	4700.3	4869.9	5142.8	5217.5	4936.0	4795.2	4637.2	4605.5	4654.4
42.5°	5062.3	5053.7	5094.0	5246.3	5444.5	5392.8	5226.1	5142.8	5030.8	4967.6	5033.7
45°	5378.4	5364.0	5438.7	5542.2	5614.0	5516.3	5441.6	5412.9	5355.4	5286.5	5346.8
47.5°	5685.8	5674.3	5746.1	5774.9	5780.7	5651.4	5665.7	5717.5	5573.8	5430.1	5499.1
50°	5947.3	5927.2	6016.3	6079.4	6065.0	5858.2	5909.9	5858.2	5634.1	5464.6	5438.7
52.5°	6384.0	6392.6	6487.4	6602.3	6567.9	6395.5	6320.8	6085.2	5797.9	5645.6	5556.6
55°	6659.8	6616.7	6780.5	7145.3	7185.6	7007.5	6677.0	6329.4	5898.4	5711.7	5688.7
56°	6401.3	6455.8	6714.4	7122.4	7329.2	7165.5	6685.6	6269.1	5795.0	5542.2	5524.9
57.5°	5743.3	5714.6	6065.0	6622.5	7185.6	7116.6	6450.0	5838.1	5286.5	5002.0	4967.6
60°	3574.1	3657.4	3964.9	4654.4	5407.2	5441.6	4780.8	4255.1	3611.4	3358.6	3419.0
62.5°	1399.2	1327.3	1519.9	2034.2	2551.3	2666.2	2416.3	2008.3	1649.2	1399.2	1381.9
65°	324.6	316.0	356.3	491.3	686.7	795.8	755.6	543.0	399.3	379.3	350.5
67.5°	183.8	183.8	175.2	175.2	192.5	204.0	195.4	192.5	201.2	209.8	206.9
70°	129.3	126.5	120.7	123.6	117.8	117.8	126.5	140.8	152.3	152.3	155.1
72.5°	77.6	77.6	77.6	86.2	86.2	86.2	94.8	106.3	109.2	106.3	103.4
75°	34.5	34.5	40.2	48.9	54.6	57.5	66.1	71.8	77.6	71.8	66.1
77.5°	8.6	8.6	14.3	20.1	25.8	31.6	43.1	51.7	54.6	51.7	43.1
80°	2.9	2.9	5.7	14.3	25.8	31.6	43.1	46.0	48.9	43.1	34.5
82.5°	2.9	2.9	5.7	14.3	20.1	25.8	34.5	40.2	43.1	37.3	34.5
85°	0.0	2.9	5.7	11.5	17.2	23.0	23.0	17.2	14.3	8.6	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)