

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: P952201

Luminaire Tested: **GALN-SB6A-850-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952201
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-850-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27249 lumens
Efficiency: N/A
Efficacy: 159.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

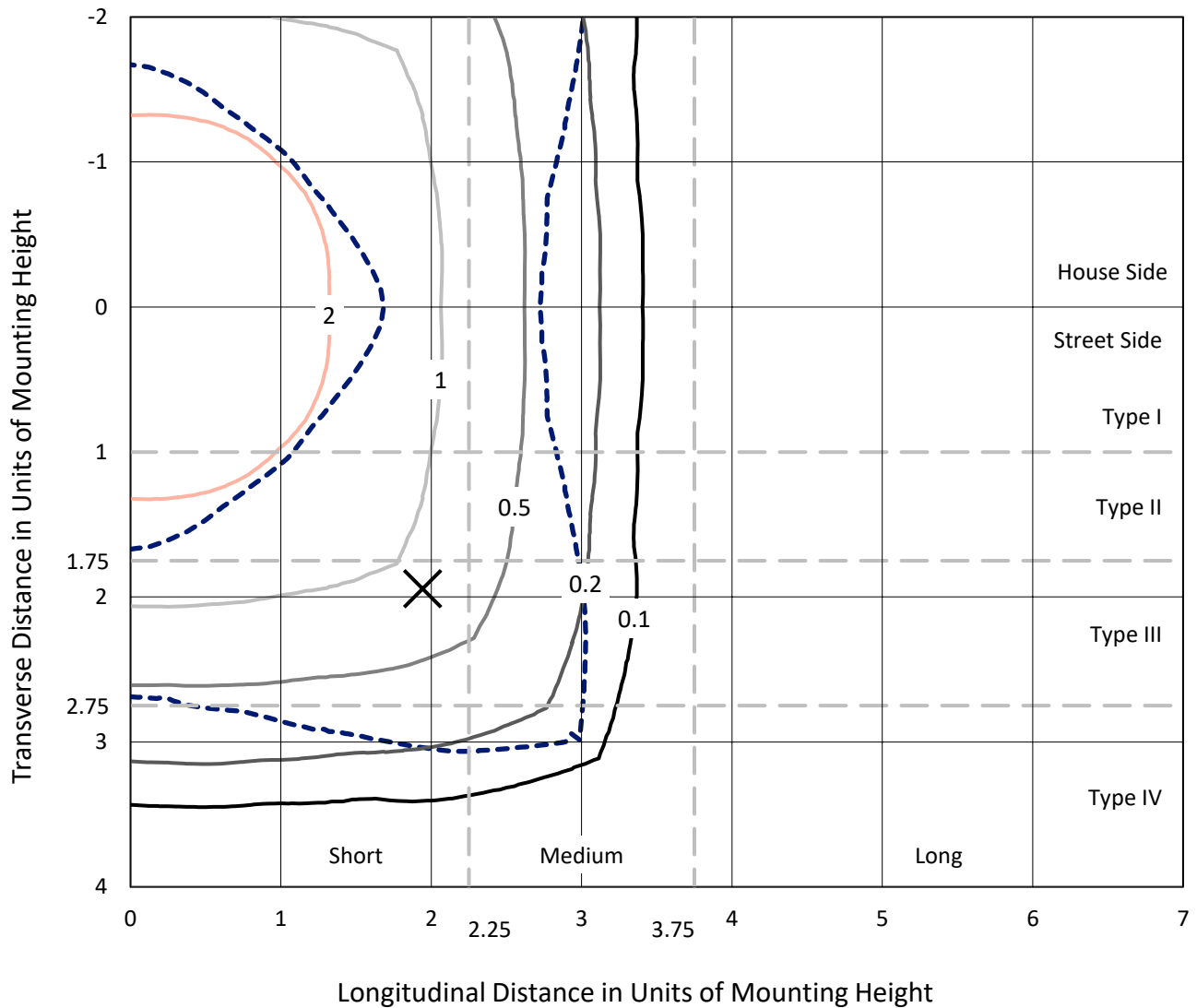
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

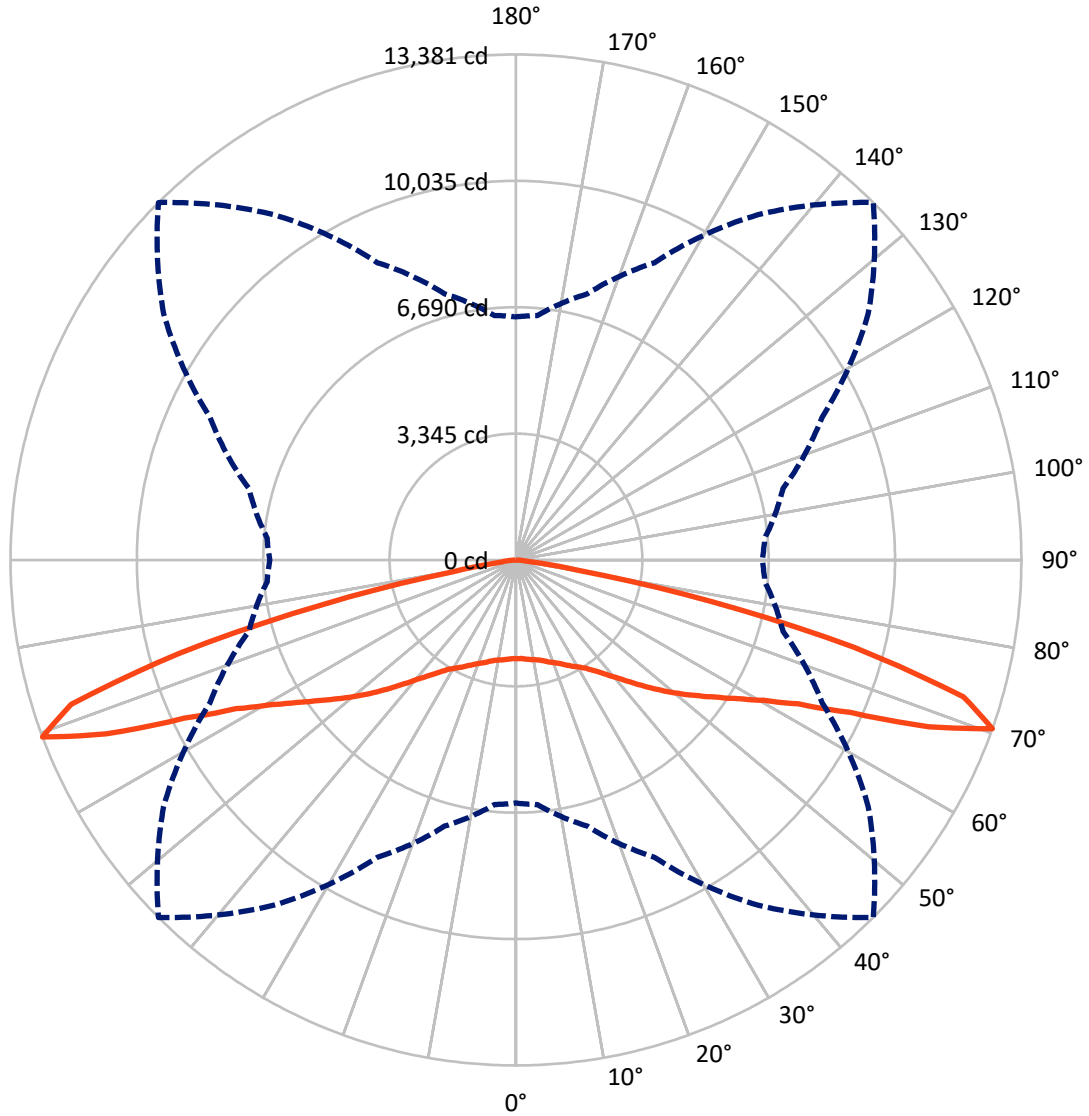
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13624.5	0.0	13624.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13624.5	0.0	13624.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27249.0	0.0	27249.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.6	0.9
10°-20°	786.3	2.9
20°-30°	1405.2	5.2
30°-40°	2277.9	8.4
40°-50°	3710.3	13.6
50°-60°	5656.9	20.8
60°-70°	8415.7	30.9
70°-80°	4586.8	16.8
80°-90°	156.2	0.6
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°	27249.0	100.0
0°-180°	27249.0	100.0

Coefficient of Utilization



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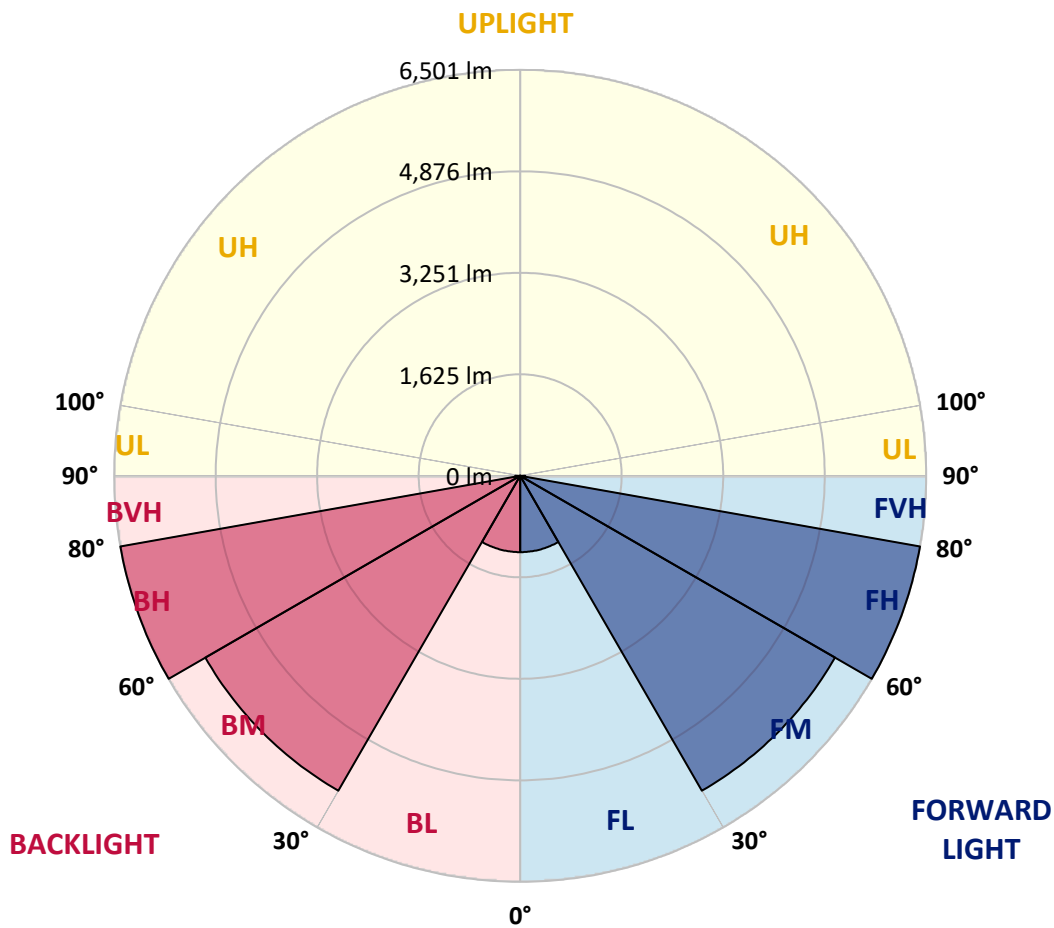
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1222.6	4.5			
FM (30°-60°)	5822.6	21.4			
FH (60°-80°)	6501.3	23.9			G3/7500
FVH (80°-90°)	78.1	0.3			G1/100
BL (0°-30°)	1222.6	4.5	B3/2500		
BM (30°-60°)	5822.6	21.4	B4/8500		
BH (60°-80°)	6501.3	23.9	B5		G3/7500
BVH (80°-90°)	78.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2610.2	2610.2	2610.2	2610.2	2610.2	2610.2	2610.2	2610.2	2610.2	2610.2
2.5°	2622.5	2625.2	2619.7	2617.0	2614.3	2610.2	2611.5	2618.4	2623.9	2622.5
5°	2644.4	2647.1	2643.0	2641.6	2636.2	2634.8	2634.8	2641.6	2645.7	2643.0
7.5°	2669.0	2673.1	2666.3	2664.9	2662.2	2659.4	2658.1	2664.9	2669.0	2669.0
10°	2692.3	2696.4	2690.9	2686.8	2684.0	2684.0	2681.3	2686.8	2693.6	2692.3
12.5°	2716.9	2719.6	2714.1	2711.4	2711.4	2715.5	2711.4	2714.1	2719.6	2716.9
15°	2747.0	2748.3	2747.0	2751.1	2757.9	2771.6	2759.3	2756.5	2759.3	2752.4
17.5°	2788.0	2790.8	2796.2	2805.8	2815.4	2840.0	2818.1	2811.3	2811.3	2797.6
20°	2838.6	2842.7	2850.9	2867.4	2879.7	2902.9	2881.0	2871.5	2867.4	2849.6
22.5°	2892.0	2898.8	2911.1	2933.0	2954.9	2976.8	2954.9	2938.5	2926.2	2902.9
25°	2953.5	2961.8	2980.9	3016.5	3046.6	3078.0	3052.0	3019.2	2994.6	2961.8
27.5°	3041.1	3050.7	3073.9	3117.7	3156.0	3183.4	3158.7	3116.3	3082.1	3042.5
30°	3164.2	3173.8	3201.2	3247.7	3273.7	3291.4	3275.0	3242.2	3201.2	3156.0
32.5°	3322.9	3335.2	3365.3	3409.1	3414.6	3417.3	3411.8	3395.4	3365.3	3310.6
35°	3524.0	3537.7	3571.9	3607.5	3602.0	3607.5	3599.2	3593.8	3571.9	3509.0
37.5°	3770.2	3786.7	3822.2	3849.6	3835.9	3829.1	3830.4	3831.8	3819.5	3749.7
40°	4056.2	4078.1	4104.0	4132.8	4109.5	4089.0	4102.7	4113.6	4102.7	4031.5
42.5°	4350.3	4381.8	4409.1	4450.2	4431.0	4405.0	4424.2	4436.5	4413.2	4336.6
45°	4677.2	4707.3	4742.9	4804.5	4790.8	4763.4	4790.8	4793.5	4753.9	4663.6
47.5°	5015.1	5046.6	5100.0	5182.0	5176.6	5146.5	5182.0	5162.9	5112.3	5004.2
50°	5335.3	5379.0	5461.1	5576.0	5587.0	5550.0	5597.9	5561.0	5476.2	5340.7
52.5°	5636.2	5682.7	5812.7	5968.6	6008.3	5960.4	6024.7	5960.4	5833.2	5659.5
55°	5952.2	6004.2	6158.8	6362.6	6442.0	6406.4	6466.6	6369.5	6188.9	5978.2
57.5°	6324.3	6355.8	6540.5	6782.6	6916.7	6924.9	6952.3	6788.1	6569.2	6329.8
60°	6727.9	6771.7	6972.8	7262.8	7474.8	7543.2	7514.5	7271.0	7016.5	6741.6
62.5°	7245.0	7292.9	7533.7	7881.1	8216.3	8385.9	8273.8	7920.8	7606.2	7276.5
65°	7673.2	7726.5	8161.6	8781.3	9391.4	9732.1	9450.2	8800.4	8234.1	7769.0
67.5°	7362.7	7428.3	8111.0	9249.1	10766.3	11782.7	10818.3	9388.7	8279.2	7648.6
70°	6435.1	6496.7	7292.9	8684.2	11153.4	13380.6	11386.0	8940.0	7318.9	6613.0
72.5°	4272.3	4470.7	5276.4	6945.4	9959.1	12381.9	10057.6	6804.5	4894.8	4262.7
75°	1417.3	1576.0	2125.9	3600.6	6670.4	9260.1	6350.3	3186.1	1684.0	1212.1
77.5°	357.1	411.8	567.7	1030.1	2660.8	5272.3	2395.4	841.3	458.3	320.1
80°	173.7	191.5	273.6	343.4	666.2	1675.8	625.2	322.9	216.1	166.9
82.5°	95.8	97.1	154.6	194.3	247.6	433.7	257.2	188.8	124.5	101.2
85°	58.8	57.5	82.1	104.0	104.0	154.6	123.1	104.0	71.1	62.9
87.5°	23.3	23.3	30.1	32.8	28.7	39.7	31.5	34.2	27.4	26.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2610.2
2623.9
2644.4
2669.0
2692.3
2715.5
2752.4
2797.6
2849.6
2901.6
2960.4
3041.1
3156.0
3312.0
3509.0
3749.7
4031.5
4342.1
4673.1
4997.4
5338.0
5643.1
5949.5
6297.0
6697.8
7219.0
7692.3
7554.2
6518.6
4124.6
1146.4
285.9
153.2
101.2
65.7
27.4
0.0

OF REPORT)