

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: P952642

Luminaire Tested: **GALN-SB6B-940-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952642
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-SB6B-940-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25914 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

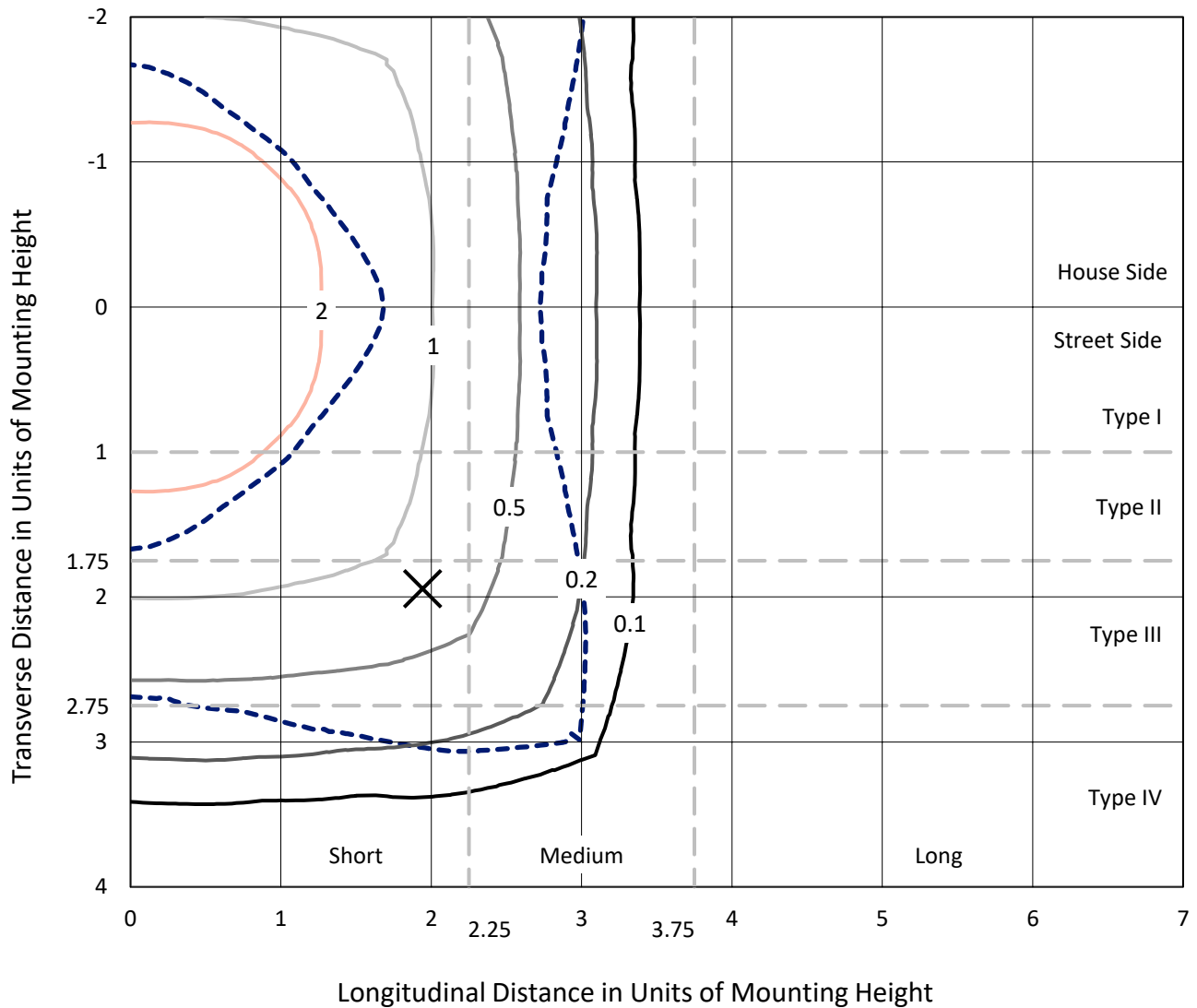
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

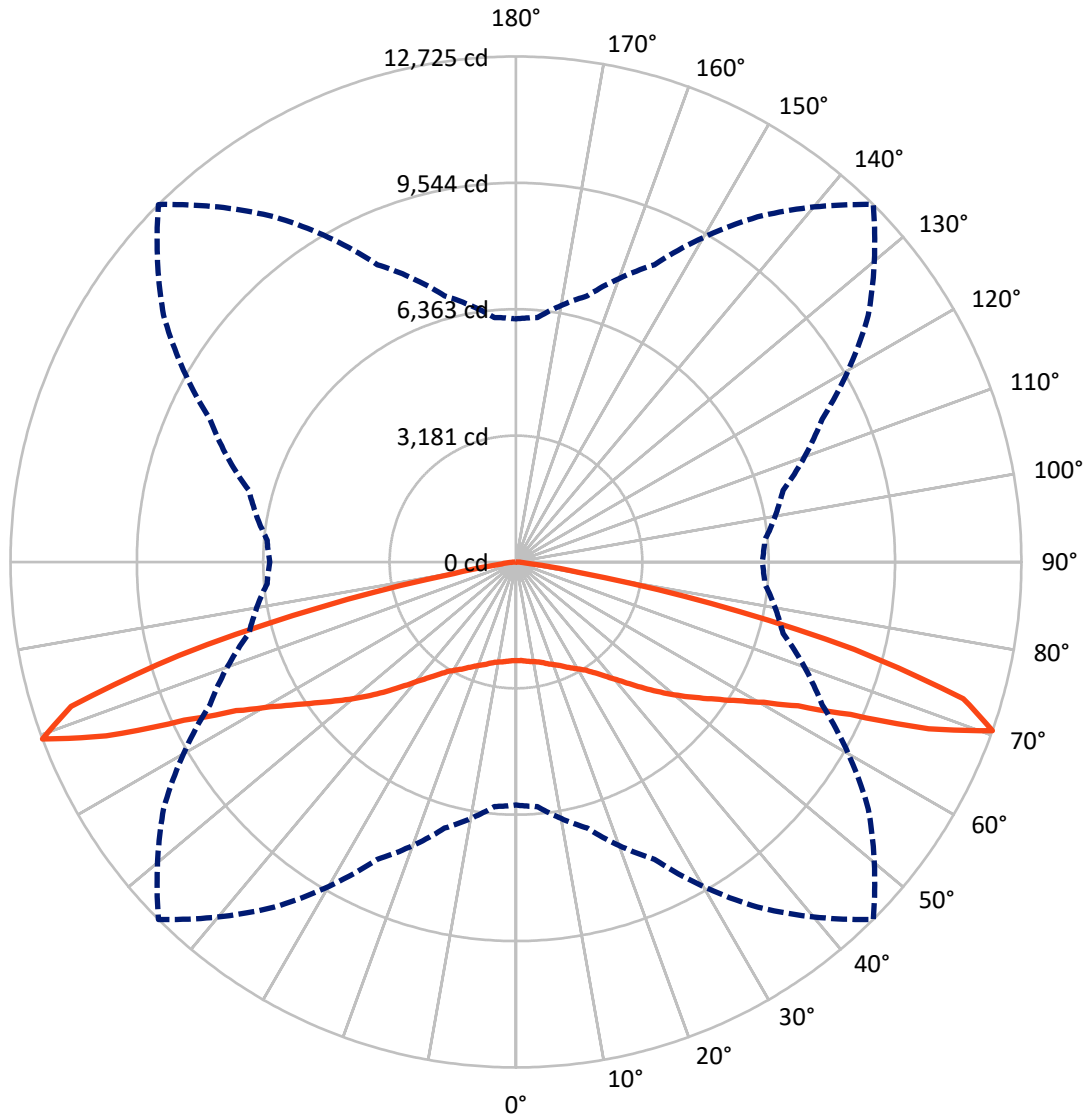
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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	12957.0	0.0	12957.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12957.0	0.0	12957.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25914.0	0.0	25914.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.2	0.9
10°-20°	747.8	2.9
20°-30°	1336.4	5.2
30°-40°	2166.3	8.4
40°-50°	3528.5	13.6
50°-60°	5379.8	20.8
60°-70°	8003.4	30.9
70°-80°	4362.1	16.8
80°-90°	148.5	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°	25914.0	100.0
0°-180°	25914.0	100.0

Coefficient of Utilization



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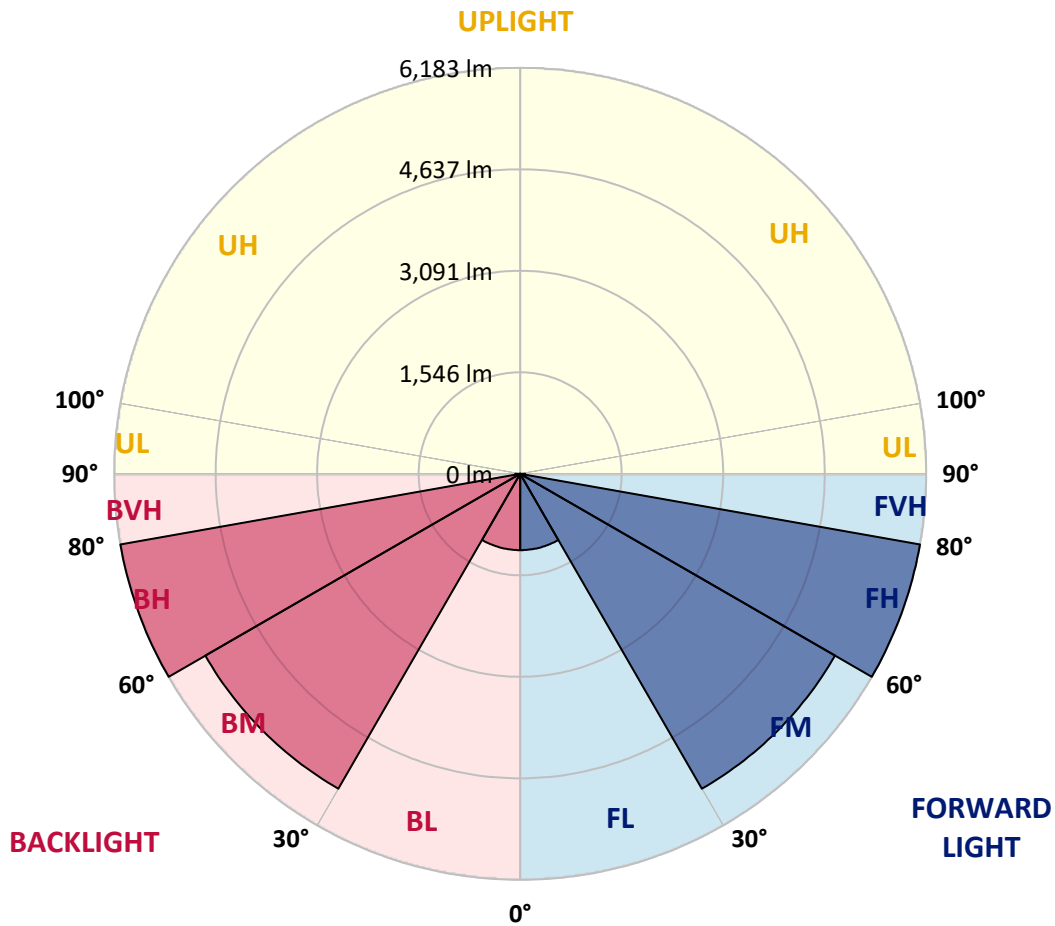
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1162.7	4.5			
FM (30°-60°)	5537.3	21.4			
FH (60°-80°)	6182.8	23.9			G3/7500
FVH (80°-90°)	74.3	0.3			G1/100
BL (0°-30°)	1162.7	4.5	B3/2500		
BM (30°-60°)	5537.3	21.4	B4/8500		
BH (60°-80°)	6182.8	23.9	B5		G3/7500
BVH (80°-90°)	74.3	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°	2482.3	2482.3	2482.3	2482.3	2482.3	2482.3	2482.3	2482.3	2482.3	2482.3
2.5°	2494.0	2496.6	2491.4	2488.8	2486.2	2482.3	2483.6	2490.1	2495.3	2494.0
5°	2514.8	2517.4	2513.5	2512.2	2507.0	2505.7	2505.7	2512.2	2516.1	2513.5
7.5°	2538.2	2542.1	2535.6	2534.3	2531.7	2529.1	2527.8	2534.3	2538.2	2538.2
10°	2560.4	2564.3	2559.1	2555.1	2552.5	2552.5	2549.9	2555.1	2561.7	2560.4
12.5°	2583.8	2586.4	2581.2	2578.6	2578.6	2582.5	2578.6	2581.2	2586.4	2583.8
15°	2612.4	2613.7	2612.4	2616.3	2622.8	2635.8	2624.1	2621.5	2624.1	2617.6
17.5°	2651.4	2654.0	2659.2	2668.3	2677.4	2700.9	2680.0	2673.5	2673.5	2660.5
20°	2699.6	2703.5	2711.3	2726.9	2738.6	2760.7	2739.9	2730.8	2726.9	2710.0
22.5°	2750.3	2756.8	2768.5	2789.3	2810.1	2831.0	2810.1	2794.5	2782.8	2760.7
25°	2808.8	2816.6	2834.9	2868.7	2897.3	2927.2	2902.5	2871.3	2847.9	2816.6
27.5°	2892.1	2901.2	2923.3	2965.0	3001.4	3027.4	3004.0	2963.7	2931.1	2893.4
30°	3009.2	3018.3	3044.3	3088.6	3113.3	3130.2	3114.6	3083.4	3044.3	3001.4
32.5°	3160.1	3171.8	3200.4	3242.1	3247.3	3249.9	3244.7	3229.1	3200.4	3148.4
35°	3351.4	3364.4	3396.9	3430.7	3425.5	3430.7	3422.9	3417.7	3396.9	3337.0
37.5°	3585.5	3601.1	3635.0	3661.0	3648.0	3641.5	3642.8	3644.1	3632.4	3566.0
40°	3857.4	3878.3	3903.0	3930.3	3908.2	3888.7	3901.7	3912.1	3901.7	3834.0
42.5°	4137.2	4167.1	4193.1	4232.1	4213.9	4189.2	4207.4	4219.1	4197.0	4124.1
45°	4448.1	4476.7	4510.5	4569.1	4556.1	4530.1	4556.1	4558.7	4520.9	4435.1
47.5°	4769.4	4799.4	4850.1	4928.2	4923.0	4894.3	4928.2	4909.9	4861.8	4759.0
50°	5073.9	5115.5	5193.6	5302.8	5313.3	5278.1	5323.7	5288.5	5207.9	5079.1
52.5°	5360.1	5404.3	5527.9	5676.2	5714.0	5668.4	5729.6	5668.4	5547.4	5382.2
55°	5660.6	5710.1	5857.1	6050.9	6126.4	6092.5	6149.8	6057.4	5885.7	5685.3
57.5°	6014.5	6044.4	6220.0	6450.3	6577.8	6585.6	6611.6	6455.5	6247.4	6019.7
60°	6398.3	6439.9	6631.2	6907.0	7108.6	7173.7	7146.3	6914.8	6672.8	6411.3
62.5°	6890.1	6935.6	7164.6	7495.0	7813.8	7975.1	7868.4	7532.7	7233.5	6920.0
65°	7297.3	7348.0	7761.7	8351.1	8931.3	9255.3	8987.3	8369.3	7830.7	7388.3
67.5°	7001.9	7064.4	7713.6	8796.0	10238.8	11205.4	10288.2	8928.7	7873.6	7273.8
70°	6119.9	6178.4	6935.6	8258.7	10607.0	12725.0	10828.2	8502.0	6960.3	6289.0
72.5°	4063.0	4251.6	5017.9	6605.1	9471.2	11775.3	9564.9	6471.1	4654.9	4053.9
75°	1347.8	1498.7	2021.7	3424.2	6343.6	8806.4	6039.2	3030.0	1601.5	1152.7
77.5°	339.6	391.6	539.9	979.6	2530.4	5014.0	2278.0	800.1	435.8	304.4
80°	165.2	182.1	260.2	326.5	633.6	1593.7	594.6	307.0	205.6	158.7
82.5°	91.1	92.4	147.0	184.7	235.5	412.4	244.6	179.5	118.4	96.3
85°	55.9	54.6	78.1	98.9	98.9	147.0	117.1	98.9	67.7	59.8
87.5°	22.1	22.1	28.6	31.2	27.3	37.7	29.9	32.5	26.0	24.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2482.3
2495.3
2514.8
2538.2
2560.4
2582.5
2617.6
2660.5
2710.0
2759.4
2815.3
2892.1
3001.4
3149.7
3337.0
3566.0
3834.0
4129.3
4444.2
4752.5
5076.5
5366.6
5658.0
5988.5
6369.7
6865.3
7315.5
7184.1
6199.2
3922.5
1090.2
271.9
145.7
96.3
62.4
26.0
0.0

OF REPORT)