

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: P942150

Luminaire Tested: **GALN-SB6A-740-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942150
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6A-740-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29110 lumens
Efficiency: N/A
Efficacy: 170.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

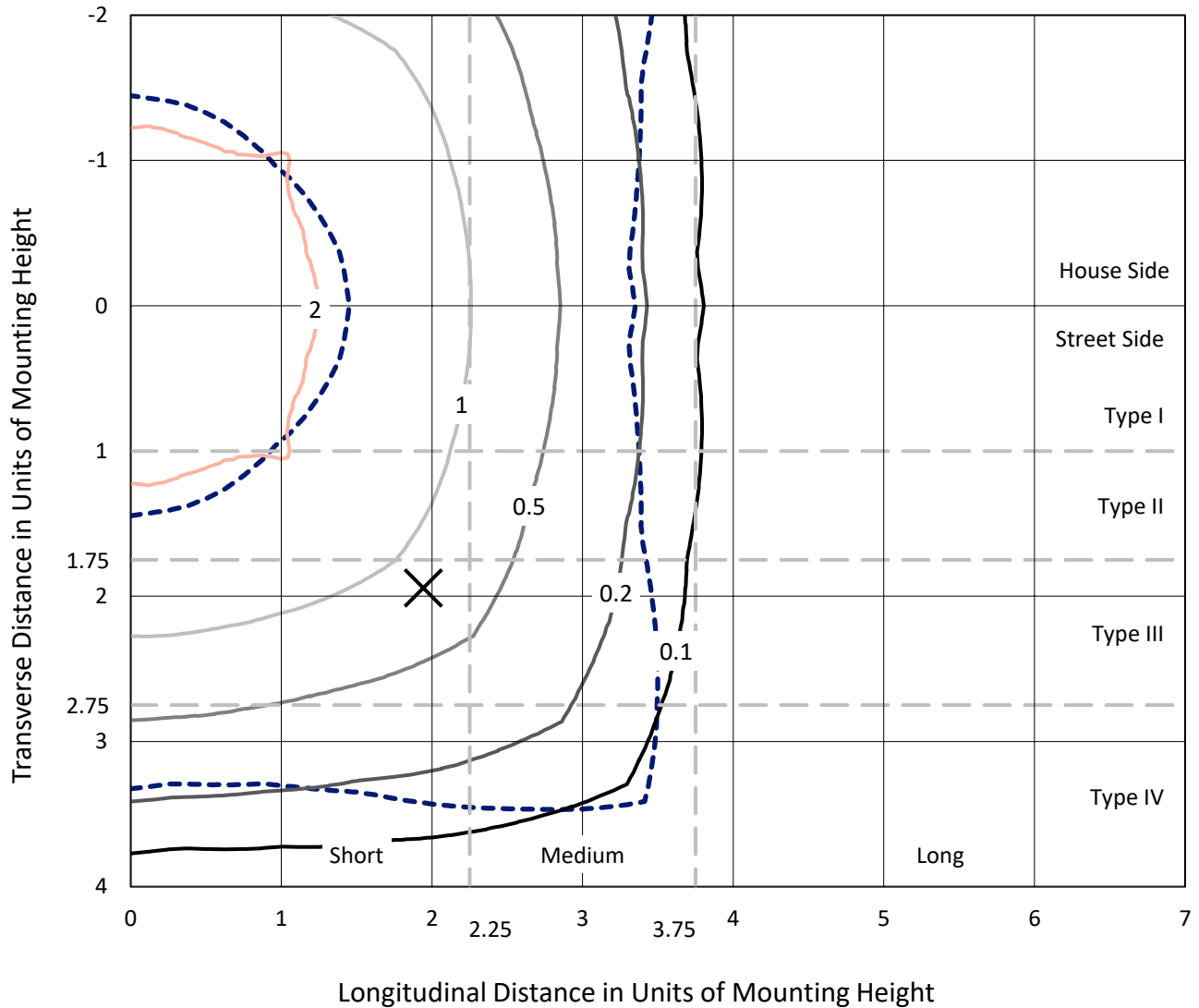
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

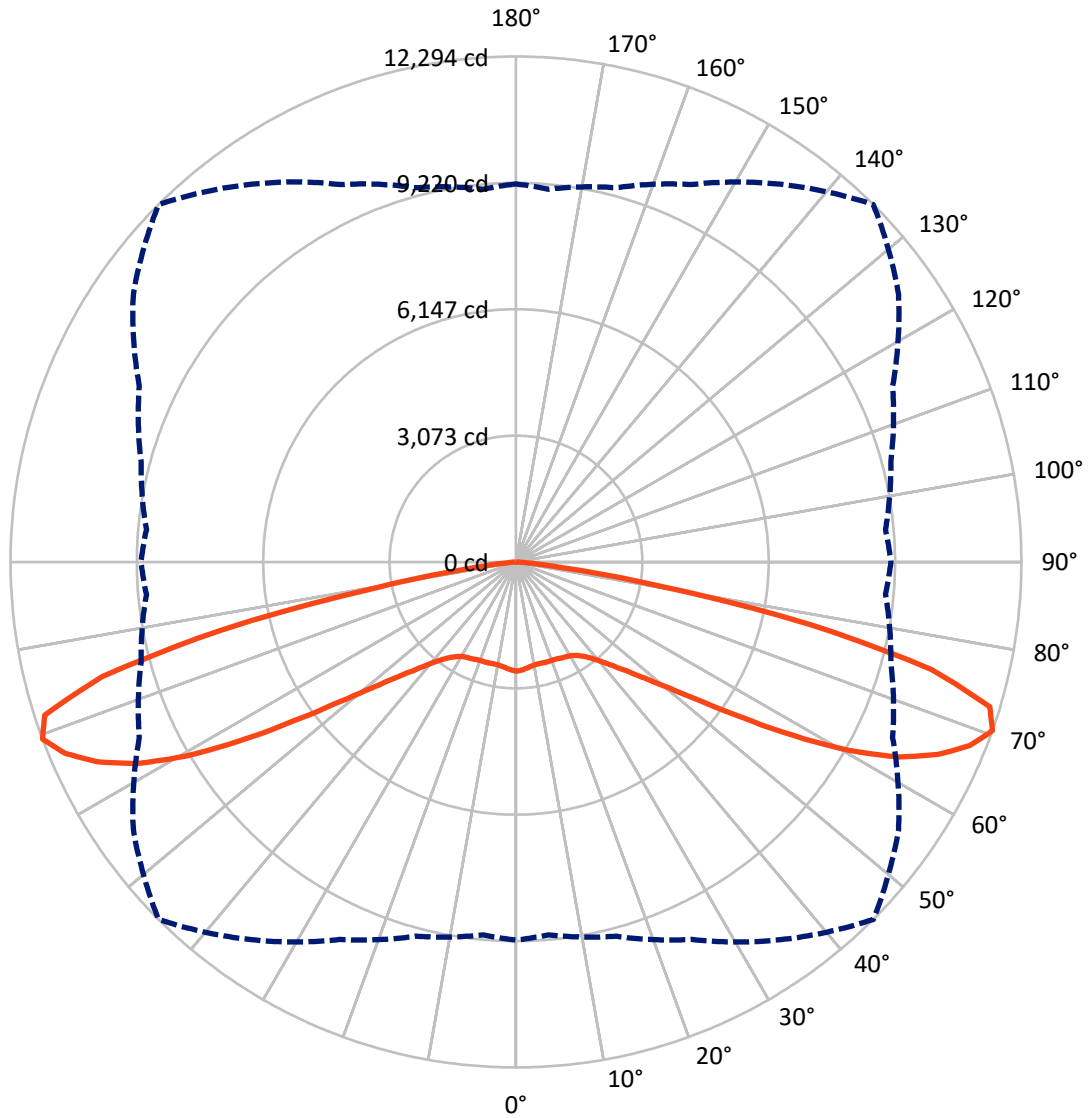
× Max cd
 - - - 1/2 Max cd



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	14555.0	0.0	14555.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14555.0	0.0	14555.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29110.0	0.0	29110.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.0	0.8
10°-20°	725.3	2.5
20°-30°	1207.0	4.1
30°-40°	1825.4	6.3
40°-50°	3033.3	10.4
50°-60°	5723.7	19.7
60°-70°	9664.8	33.2
70°-80°	6350.8	21.8
80°-90°	332.7	1.1
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°	29110.0	100.0
0°-180°	29110.0	100.0



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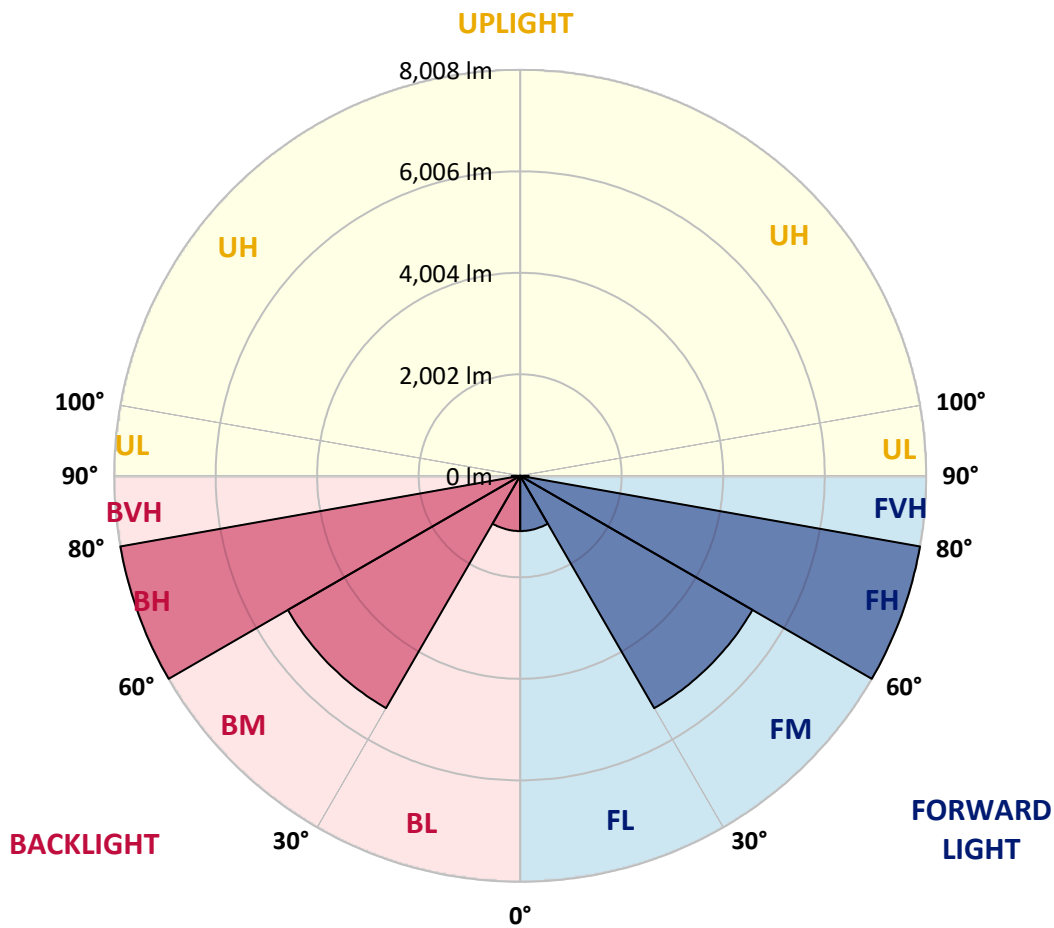
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1089.7	3.7			
FM (30°-60°)	5291.2	18.2			
FH (60°-80°)	8007.8	27.5			G4/12000
FVH (80°-90°)	166.4	0.6			G2/225
BL (0°-30°)	1089.7	3.7	B3/2500		
BM (30°-60°)	5291.2	18.2	B4/8500		
BH (60°-80°)	8007.8	27.5	B5		G4/12000
BVH (80°-90°)	166.4	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2655.4	2655.4	2655.4	2655.4	2655.4	2655.4	2655.4	2655.4	2655.4	2655.4
2.5°	2638.8	2646.3	2643.3	2637.3	2637.3	2632.7	2637.3	2640.3	2644.8	2647.9
5°	2604.0	2610.0	2608.5	2604.0	2605.5	2600.9	2604.0	2608.5	2611.5	2613.1
7.5°	2573.7	2579.8	2576.7	2569.2	2569.2	2564.6	2566.1	2570.7	2575.2	2576.7
10°	2566.1	2572.2	2563.1	2551.0	2546.5	2540.4	2541.9	2546.5	2555.6	2560.1
12.5°	2569.2	2573.7	2564.6	2546.5	2541.9	2535.9	2535.9	2540.4	2552.5	2558.6
15°	2578.3	2582.8	2569.2	2549.5	2545.0	2540.4	2538.9	2545.0	2558.6	2569.2
17.5°	2594.9	2599.4	2578.3	2551.0	2545.0	2546.5	2545.0	2549.5	2570.7	2590.4
20°	2610.0	2613.1	2584.3	2551.0	2545.0	2546.5	2545.0	2554.0	2581.3	2608.5
22.5°	2614.6	2617.6	2590.4	2561.6	2557.1	2558.6	2557.1	2566.1	2591.9	2619.1
25°	2616.1	2620.6	2599.4	2576.7	2584.3	2587.3	2584.3	2585.8	2605.5	2629.7
27.5°	2638.8	2644.8	2625.2	2605.5	2610.0	2608.5	2613.1	2617.6	2632.7	2656.9
30°	2685.7	2690.2	2673.6	2653.9	2650.9	2640.3	2653.9	2669.0	2685.7	2706.9
32.5°	2762.8	2771.9	2750.7	2729.6	2715.9	2709.9	2720.5	2746.2	2768.9	2791.6
35°	2891.5	2897.5	2877.8	2838.5	2814.3	2814.3	2823.4	2856.7	2893.0	2921.7
37.5°	3073.0	3080.6	3045.8	2998.9	2962.6	2962.6	2974.7	3009.5	3063.9	3104.8
40°	3293.9	3304.5	3260.6	3212.2	3177.4	3171.4	3186.5	3225.8	3277.3	3328.7
42.5°	3560.2	3572.3	3514.8	3472.5	3445.2	3445.2	3452.8	3489.1	3536.0	3599.6
45°	3900.7	3921.8	3843.2	3800.8	3775.1	3781.1	3785.7	3817.4	3859.8	3932.4
47.5°	4306.2	4327.3	4244.1	4200.3	4195.7	4224.5	4206.3	4229.0	4251.7	4334.9
50°	4766.1	4802.4	4745.0	4741.9	4751.0	4804.0	4761.6	4773.7	4748.0	4800.9
52.5°	5329.0	5381.9	5371.4	5389.5	5490.9	5599.8	5503.0	5460.6	5363.8	5380.4
55°	6011.4	6091.6	6106.7	6215.6	6445.6	6668.0	6462.3	6291.3	6085.5	6047.7
57.5°	6787.6	6851.1	6923.8	7146.2	7575.9	7970.8	7575.9	7197.6	6873.8	6796.7
60°	7622.8	7701.5	7771.1	8099.4	8737.9	9293.2	8725.8	8125.1	7696.9	7592.5
62.5°	8520.0	8621.4	8669.8	9034.5	9778.9	10441.6	9789.5	9061.7	8586.6	8474.6
65°	9381.0	9464.2	9518.7	9907.5	10618.6	11282.9	10667.1	9949.9	9461.2	9314.4
67.5°	9781.9	9827.3	9960.5	10400.8	11151.2	11909.3	11278.3	10447.7	9901.5	9644.2
70°	9194.9	9102.6	9423.3	10128.4	11214.8	12293.6	11360.0	10107.2	9438.5	9020.9
72.5°	7105.3	6946.5	7503.3	8709.2	10488.5	12048.5	10561.2	8777.3	7849.7	7002.4
75°	3865.9	3685.8	4454.4	5979.6	8364.2	10443.1	8556.3	6150.6	4959.8	3837.1
77.5°	1090.9	1022.8	1643.2	2893.0	5030.9	7332.3	5224.6	2956.5	1948.8	1156.0
80°	334.4	323.8	438.8	871.5	2136.4	3511.8	2053.2	882.1	558.3	352.5
82.5°	198.2	181.6	217.9	317.7	544.7	1103.0	529.6	331.4	266.3	178.5
85°	113.5	105.9	128.6	154.3	183.1	234.5	152.8	157.4	142.2	95.3
87.5°	46.9	42.4	49.9	48.4	42.4	54.5	40.9	48.4	57.5	37.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2655.4
2646.3
2613.1
2576.7
2560.1
2560.1
2570.7
2590.4
2610.0
2619.1
2628.2
2650.9
2702.3
2782.5
2911.1
3089.7
3312.1
3595.0
3929.4
4310.7
4769.2
5324.5
5988.7
6742.2
7501.7
8383.9
9241.8
9647.3
9120.7
7212.8
4086.8
1284.6
372.2
193.7
99.9
34.8
0.0

OF REPORT)