

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: P941770

Luminaire Tested: **GALN-SB5C-722-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941770
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-SB5C-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31611 lumens
Efficiency: N/A
Efficacy: 126.7 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): 249.5
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



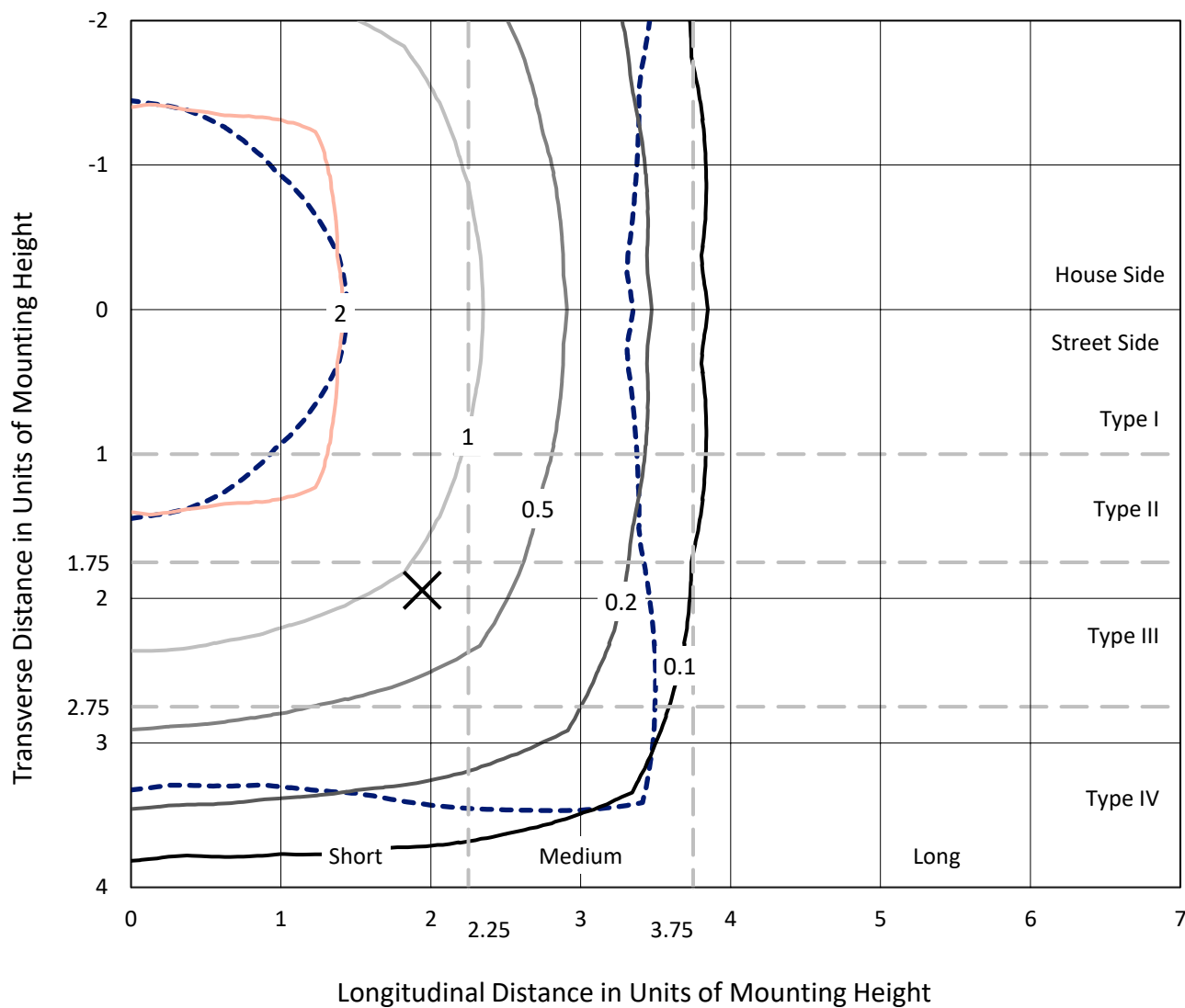
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

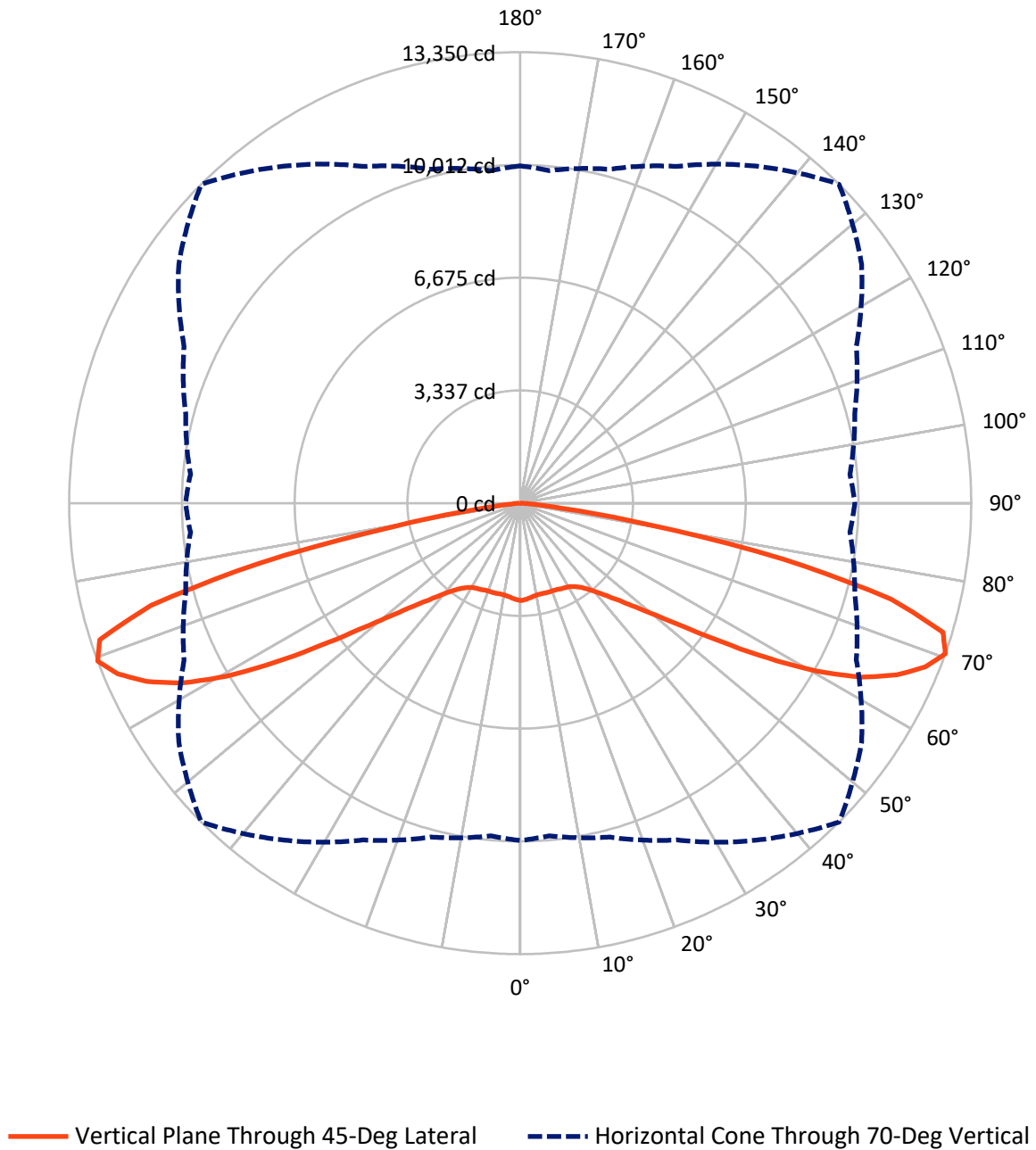


Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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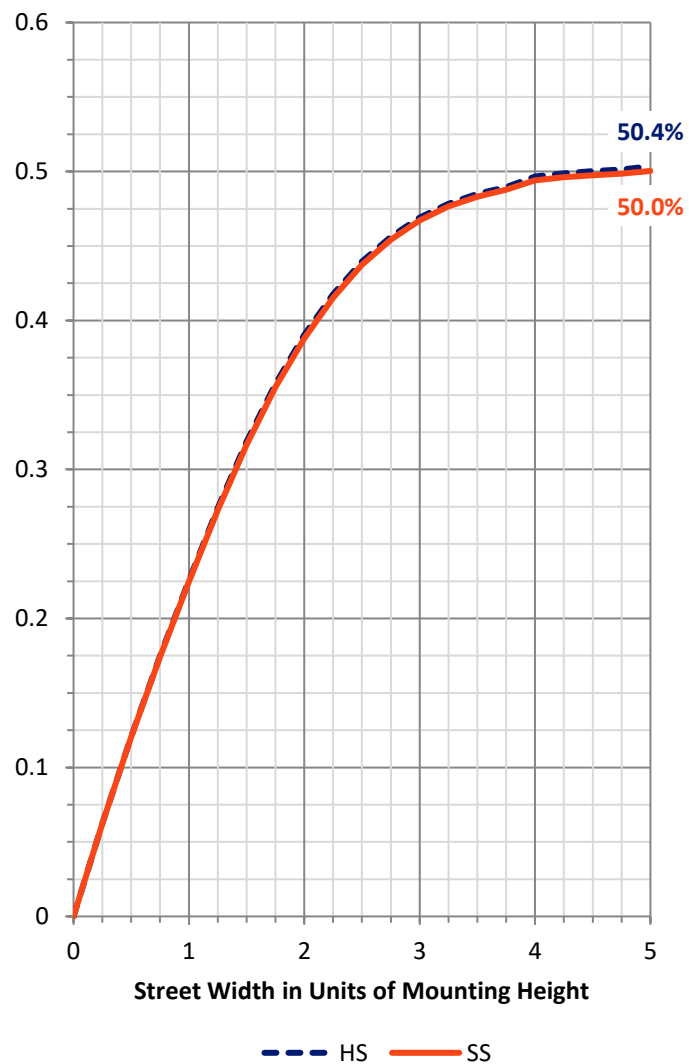
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15805.5	0.0	15805.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15805.5	0.0	15805.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31611.0	0.0	31611.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.2	0.8
10°-20°	787.6	2.5
20°-30°	1310.7	4.1
30°-40°	1982.2	6.3
40°-50°	3293.9	10.4
50°-60°	6215.5	19.7
60°-70°	10495.1	33.2
70°-80°	6896.4	21.8
80°-90°	361.3	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°	31611.0	100.0
0°-180°	31611.0	100.0

Coefficient of Utilization



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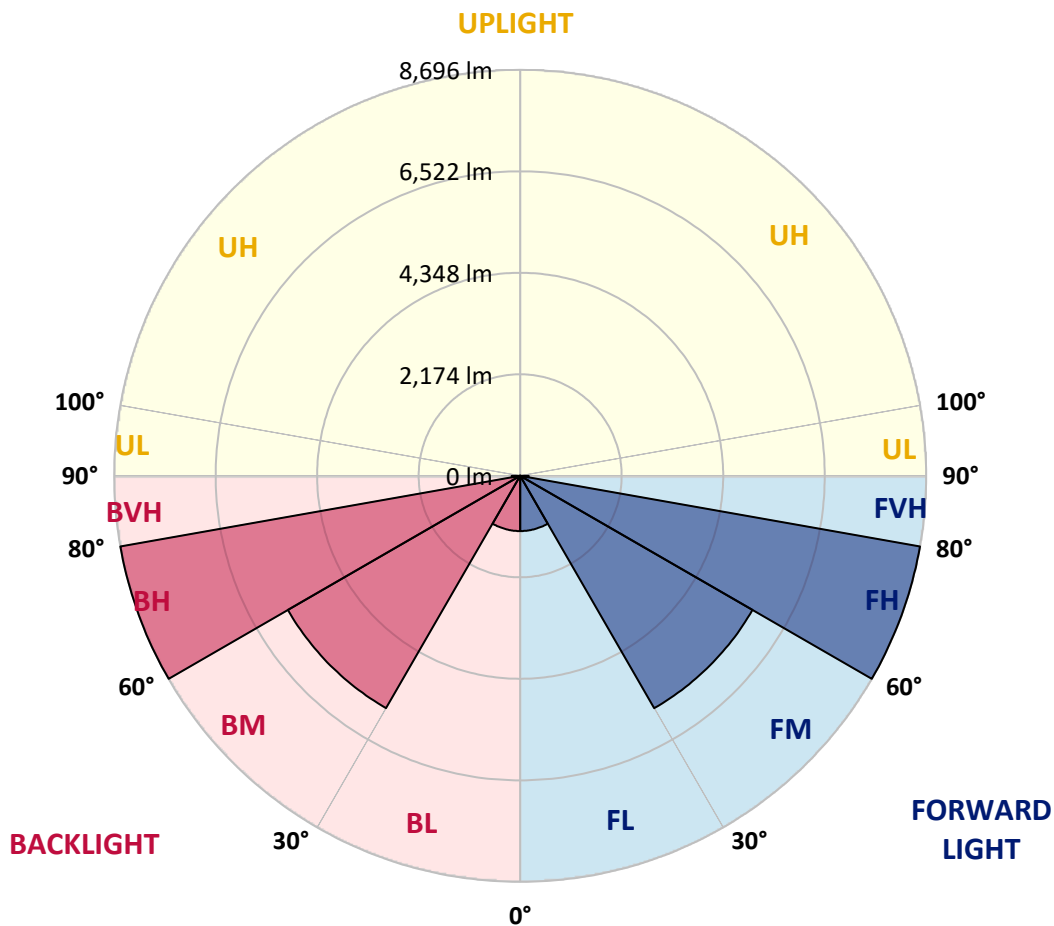
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1183.3	3.7			
FM	(30°-60°)	5745.8	18.2			
FH	(60°-80°)	8695.8	27.5			G4/12000
FVH	(80°-90°)	180.6	0.6			G2/225
BL	(0°-30°)	1183.3	3.7	B3/2500		
BM	(30°-60°)	5745.8	18.2	B4/8500		
BH	(60°-80°)	8695.8	27.5	B5		G4/12000
BVH	(80°-90°)	180.6	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°	90°
0°	2883.6	2883.6	2883.6	2883.6	2883.6	2883.6	2883.6	2883.6	2883.6	2883.6	2883.6
2.5°	2865.5	2873.7	2870.4	2863.8	2863.8	2858.9	2863.8	2867.1	2872.1	2875.3	2873.7
5°	2827.7	2834.3	2832.6	2827.7	2829.3	2824.4	2827.7	2832.6	2835.9	2837.6	2837.6
7.5°	2794.8	2801.4	2798.1	2789.9	2789.9	2785.0	2786.6	2791.5	2796.5	2798.1	2798.1
10°	2786.6	2793.2	2783.3	2770.2	2765.3	2758.7	2760.3	2765.3	2775.1	2780.0	2780.0
12.5°	2789.9	2794.8	2785.0	2765.3	2760.3	2753.8	2753.8	2758.7	2771.8	2778.4	2780.0
15°	2799.8	2804.7	2789.9	2768.5	2763.6	2758.7	2757.0	2763.6	2778.4	2789.9	2791.5
17.5°	2817.8	2822.8	2799.8	2770.2	2763.6	2765.3	2763.6	2768.5	2791.5	2812.9	2812.9
20°	2834.3	2837.6	2806.3	2770.2	2763.6	2765.3	2763.6	2773.5	2803.1	2832.6	2834.3
22.5°	2839.2	2842.5	2812.9	2781.7	2776.8	2778.4	2776.8	2786.6	2814.6	2844.1	2844.1
25°	2840.8	2845.8	2822.8	2798.1	2806.3	2809.6	2806.3	2808.0	2829.3	2855.6	2854.0
27.5°	2865.5	2872.1	2850.7	2829.3	2834.3	2832.6	2837.6	2842.5	2858.9	2885.2	2878.6
30°	2916.4	2921.3	2903.3	2881.9	2878.6	2867.1	2881.9	2898.3	2916.4	2939.4	2934.5
32.5°	3000.2	3010.1	2987.1	2964.1	2949.3	2942.7	2954.2	2982.1	3006.8	3031.4	3021.6
35°	3139.9	3146.4	3125.1	3082.4	3056.1	3056.1	3065.9	3102.1	3141.5	3172.7	3161.2
37.5°	3337.0	3345.3	3307.5	3256.5	3217.1	3217.1	3230.2	3268.0	3327.2	3371.5	3355.1
40°	3576.9	3588.4	3540.8	3488.2	3450.4	3443.8	3460.3	3503.0	3558.9	3614.7	3596.6
42.5°	3866.1	3879.3	3816.8	3770.8	3741.2	3741.2	3749.4	3788.9	3839.8	3908.8	3903.9
45°	4235.8	4258.8	4173.4	4127.4	4099.4	4106.0	4110.9	4145.4	4191.4	4270.3	4267.0
47.5°	4676.1	4699.1	4608.8	4561.1	4556.2	4587.4	4567.7	4592.3	4617.0	4707.3	4681.1
50°	5175.6	5215.1	5152.6	5149.3	5159.2	5216.7	5170.7	5183.8	5155.9	5213.4	5178.9
52.5°	5786.8	5844.3	5832.8	5852.6	5962.6	6080.9	5975.8	5929.8	5824.6	5842.7	5781.9
55°	6527.9	6614.9	6631.4	6749.7	6999.4	7240.9	7017.5	6831.8	6608.4	6567.3	6503.2
57.5°	7370.7	7439.7	7518.6	7760.1	8226.8	8655.6	8226.8	7816.0	7464.4	7380.6	7321.4
60°	8277.7	8363.1	8438.7	8795.3	9488.6	10091.6	9475.5	8823.2	8358.2	8244.8	8146.3
62.5°	9252.0	9362.1	9414.7	9810.7	10619.1	11338.7	10630.6	9840.2	9324.3	9202.7	9104.2
65°	10186.9	10277.3	10336.5	10758.7	11531.0	12252.3	11583.5	10804.7	10274.0	10114.6	10035.8
67.5°	10622.3	10671.6	10816.2	11294.4	12109.3	12932.5	12247.3	11345.3	10752.1	10472.8	10476.1
70°	9984.8	9884.6	10232.9	10998.6	12178.3	13349.8	12336.0	10975.6	10249.4	9795.9	9904.3
72.5°	7715.8	7543.3	8147.9	9457.4	11389.6	13083.6	11468.5	9531.4	8524.2	7604.1	7832.4
75°	4198.0	4002.5	4837.2	6493.3	9082.8	11340.4	9291.5	6679.0	5385.9	4166.8	4437.9
77.5°	1184.6	1110.7	1784.4	3141.5	5463.2	7962.2	5673.5	3210.5	2116.3	1255.3	1395.0
80°	363.1	351.6	476.5	946.4	2320.0	3813.5	2229.6	957.9	606.3	382.8	404.2
82.5°	215.2	197.2	236.6	345.0	591.5	1197.8	575.1	359.8	289.2	193.9	210.3
85°	123.2	115.0	139.7	167.6	198.8	254.7	165.9	170.9	154.4	103.5	108.4
87.5°	50.9	46.0	54.2	52.6	46.0	59.1	44.4	52.6	62.4	41.1	37.8
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)