

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: P941600

Luminaire Tested: **GALN-SB5B-722-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941600
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-SB5B-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23768 lumens
Efficiency: N/A
Efficacy: 130.1 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): 182.7
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

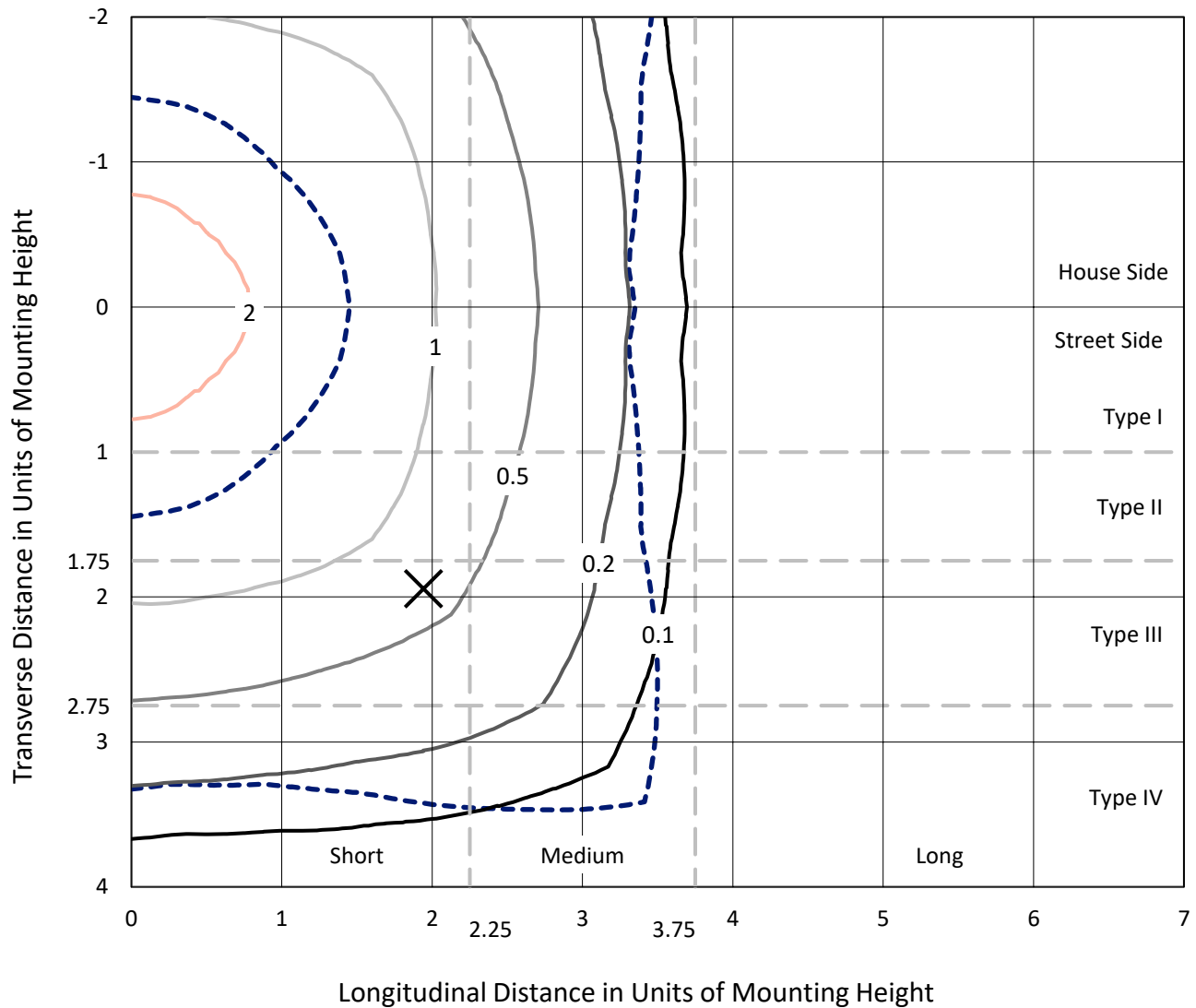


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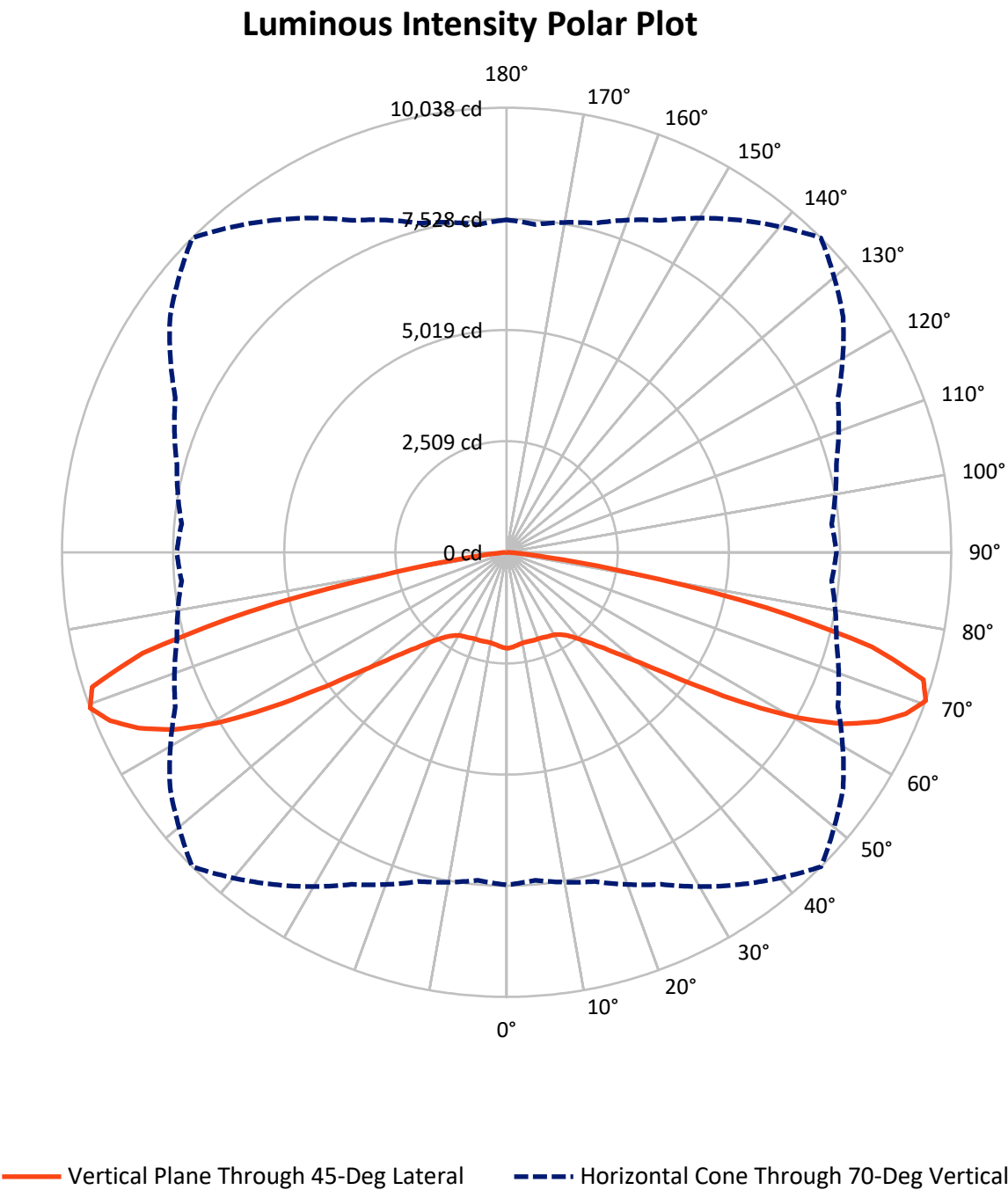
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
Type V - Short - N/A

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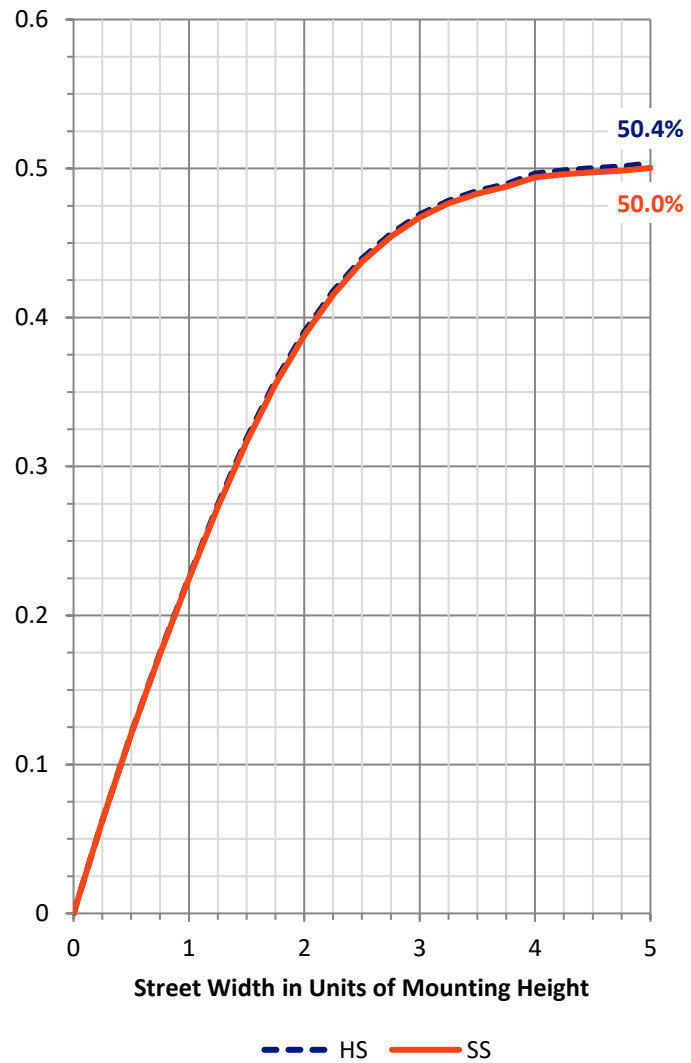
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11884.0	0.0	11884.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11884.0	0.0	11884.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23768.0	0.0	23768.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.7	0.8
10°-20°	592.2	2.5
20°-30°	985.5	4.1
30°-40°	1490.4	6.3
40°-50°	2476.7	10.4
50°-60°	4673.4	19.7
60°-70°	7891.2	33.2
70°-80°	5185.3	21.8
80°-90°	271.7	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°	23768.0	100.0
0°-180°	23768.0	100.0

Coefficient of Utilization



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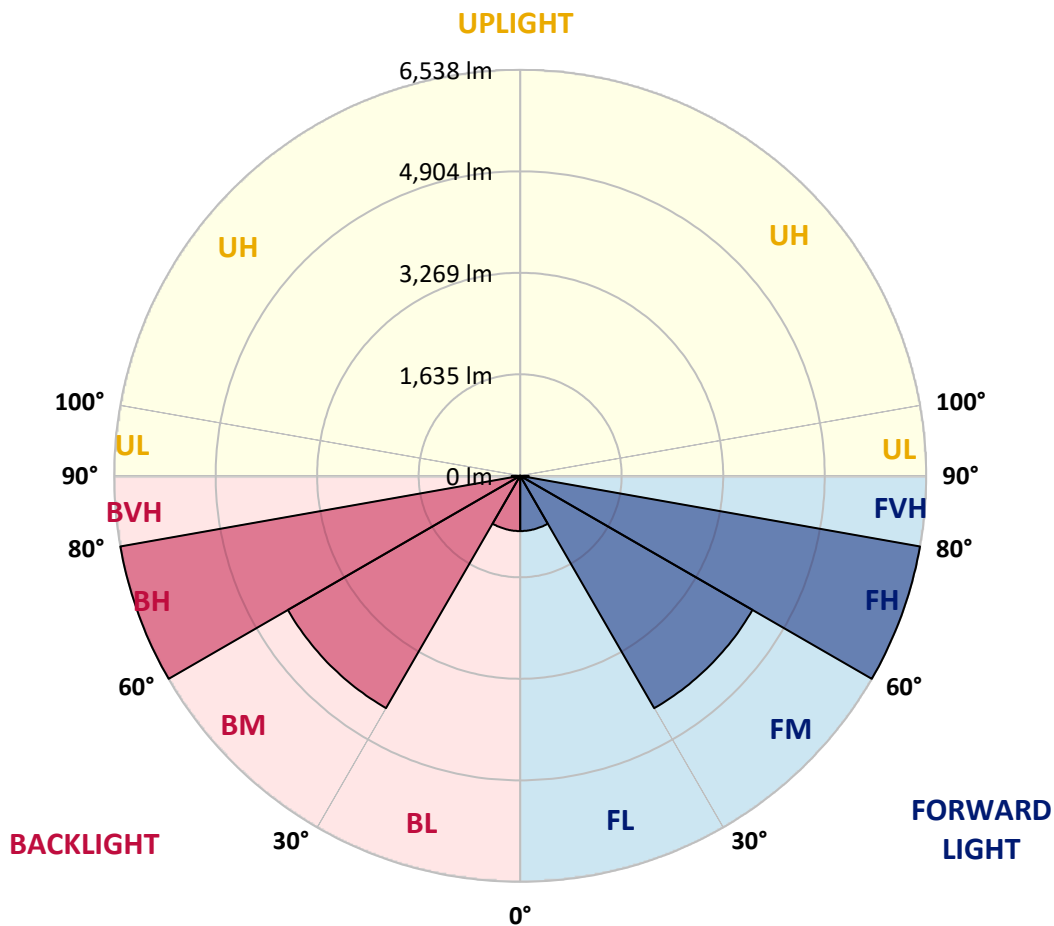
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	889.7	3.7			
FM	(30°-60°)	4320.2	18.2			
FH	(60°-80°)	6538.3	27.5			G3/7500
FVH	(80°-90°)	135.8	0.6			G2/225
BL	(0°-30°)	889.7	3.7	B2/1000		
BM	(30°-60°)	4320.2	18.2	B3/5000		
BH	(60°-80°)	6538.3	27.5	B5		G3/7500
BVH	(80°-90°)	135.8	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-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2168.1	2168.1	2168.1	2168.1	2168.1	2168.1	2168.1	2168.1	2168.1	2168.1	2168.1
2.5°	2154.5	2160.7	2158.2	2153.3	2153.3	2149.6	2153.3	2155.8	2159.5	2161.9	2160.7
5°	2126.1	2131.1	2129.8	2126.1	2127.4	2123.6	2126.1	2129.8	2132.3	2133.5	2133.5
7.5°	2101.4	2106.4	2103.9	2097.7	2097.7	2094.0	2095.2	2098.9	2102.6	2103.9	2103.9
10°	2095.2	2100.2	2092.8	2082.9	2079.2	2074.2	2075.5	2079.2	2086.6	2090.3	2090.3
12.5°	2097.7	2101.4	2094.0	2079.2	2075.5	2070.5	2070.5	2074.2	2084.1	2089.1	2090.3
15°	2105.1	2108.8	2097.7	2081.6	2077.9	2074.2	2073.0	2077.9	2089.1	2097.7	2098.9
17.5°	2118.7	2122.4	2105.1	2082.9	2077.9	2079.2	2077.9	2081.6	2098.9	2115.0	2115.0
20°	2131.1	2133.5	2110.1	2082.9	2077.9	2079.2	2077.9	2085.3	2107.6	2129.8	2131.1
22.5°	2134.8	2137.2	2115.0	2091.5	2087.8	2089.1	2087.8	2095.2	2116.2	2138.5	2138.5
25°	2136.0	2139.7	2122.4	2103.9	2110.1	2112.5	2110.1	2111.3	2127.4	2147.1	2145.9
27.5°	2154.5	2159.5	2143.4	2127.4	2131.1	2129.8	2133.5	2137.2	2149.6	2169.4	2164.4
30°	2192.8	2196.5	2182.9	2166.9	2164.4	2155.8	2166.9	2179.2	2192.8	2210.1	2206.4
32.5°	2255.8	2263.2	2246.0	2228.7	2217.5	2212.6	2221.2	2242.2	2260.8	2279.3	2271.9
35°	2360.8	2365.8	2349.7	2317.6	2297.8	2297.8	2305.2	2332.4	2362.1	2385.5	2376.9
37.5°	2509.1	2515.3	2486.9	2448.6	2418.9	2418.9	2428.8	2457.2	2501.7	2535.0	2522.7
40°	2689.5	2698.1	2662.3	2622.7	2594.3	2589.4	2601.7	2633.9	2675.9	2717.9	2704.3
42.5°	2906.9	2916.8	2869.8	2835.2	2813.0	2813.0	2819.2	2848.8	2887.1	2939.0	2935.3
45°	3184.9	3202.1	3137.9	3103.3	3082.3	3087.3	3091.0	3116.9	3151.5	3210.8	3208.3
47.5°	3515.9	3533.2	3465.3	3429.5	3425.8	3449.2	3434.4	3452.9	3471.5	3539.4	3519.6
50°	3891.5	3921.1	3874.2	3871.7	3879.1	3922.4	3887.8	3897.7	3876.7	3919.9	3894.0
52.5°	4351.1	4394.3	4385.7	4400.5	4483.3	4572.2	4493.1	4458.5	4379.5	4393.1	4347.4
55°	4908.2	4973.7	4986.1	5075.0	5262.8	5444.4	5276.4	5136.8	4968.8	4937.9	4889.7
57.5°	5542.0	5593.9	5653.2	5834.8	6185.6	6508.1	6185.6	5876.8	5612.4	5549.4	5504.9
60°	6223.9	6288.2	6345.0	6613.1	7134.4	7587.8	7124.5	6634.1	6284.5	6199.2	6125.1
62.5°	6956.5	7039.3	7078.8	7376.6	7984.4	8525.5	7993.0	7398.8	7010.9	6919.5	6845.3
65°	7659.5	7727.4	7771.9	8089.4	8670.0	9212.3	8709.5	8124.0	7724.9	7605.1	7545.8
67.5°	7986.8	8023.9	8132.6	8492.1	9104.9	9723.8	9208.6	8530.4	8084.4	7874.4	7876.9
70°	7507.5	7432.1	7694.0	8269.7	9156.8	10037.6	9275.4	8252.4	7706.4	7365.4	7447.0
72.5°	5801.4	5671.7	6126.3	7110.9	8563.8	9837.5	8623.1	7166.5	6409.2	5717.4	5889.1
75°	3156.4	3009.4	3637.0	4882.3	6829.3	8526.7	6986.2	5021.9	4049.6	3133.0	3336.8
77.5°	890.7	835.1	1341.6	2362.1	4107.7	5986.7	4265.8	2414.0	1591.2	943.8	1048.9
80°	273.0	264.4	358.3	711.6	1744.4	2867.4	1676.4	720.2	455.9	287.8	303.9
82.5°	161.8	148.2	177.9	259.4	444.7	900.6	432.4	270.6	217.4	145.8	158.1
85°	92.7	86.5	105.0	126.0	149.5	191.5	124.8	128.5	116.1	77.8	81.5
87.5°	38.3	34.6	40.8	39.5	34.6	44.5	33.4	39.5	46.9	30.9	28.4
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)