

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: P941090

Luminaire Tested: **GALN-SB4C-722-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941090
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-SB4C-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 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: 25080 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 200.7
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



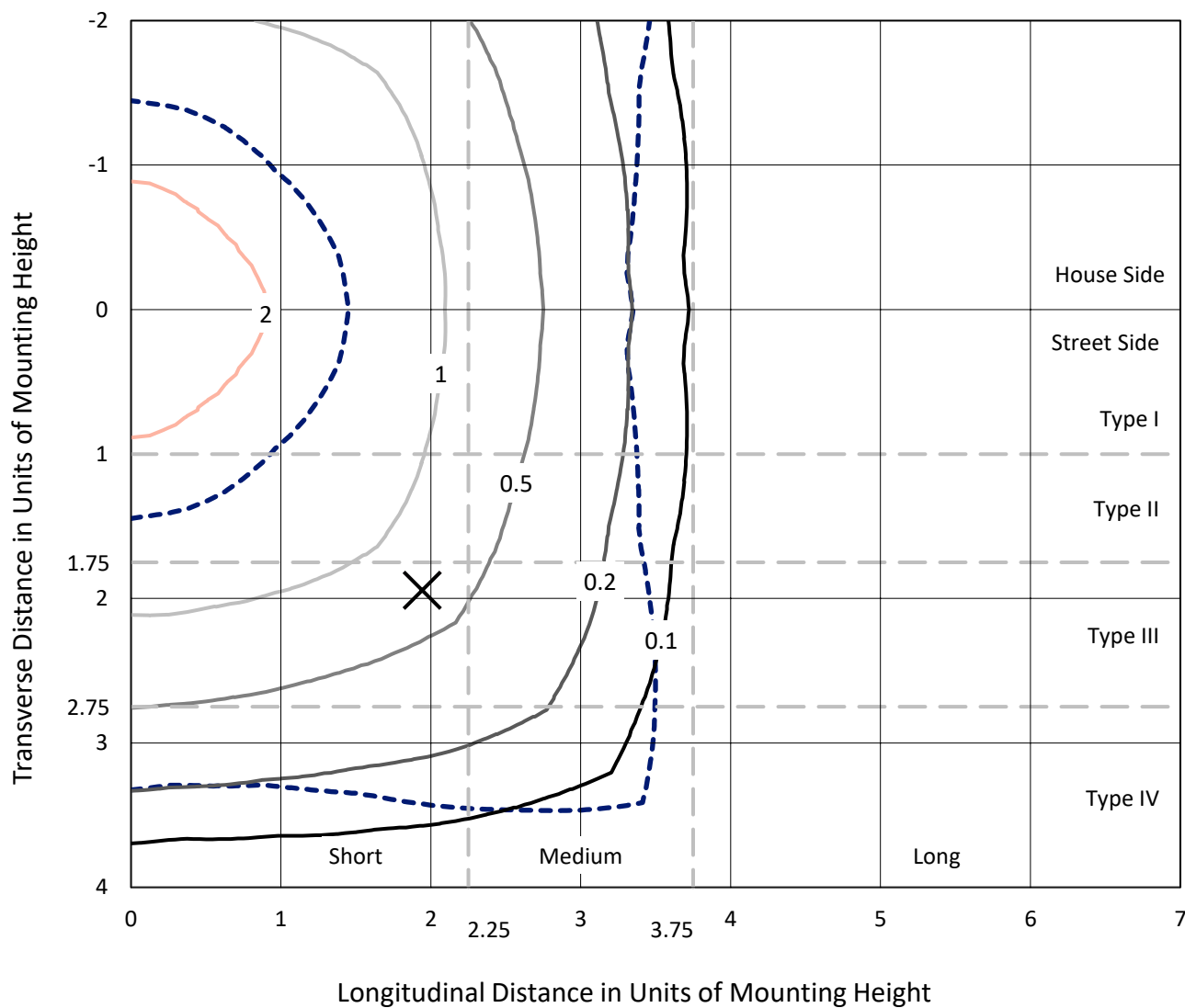
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Iso-Footcandle Lines of Horizontal Illumination

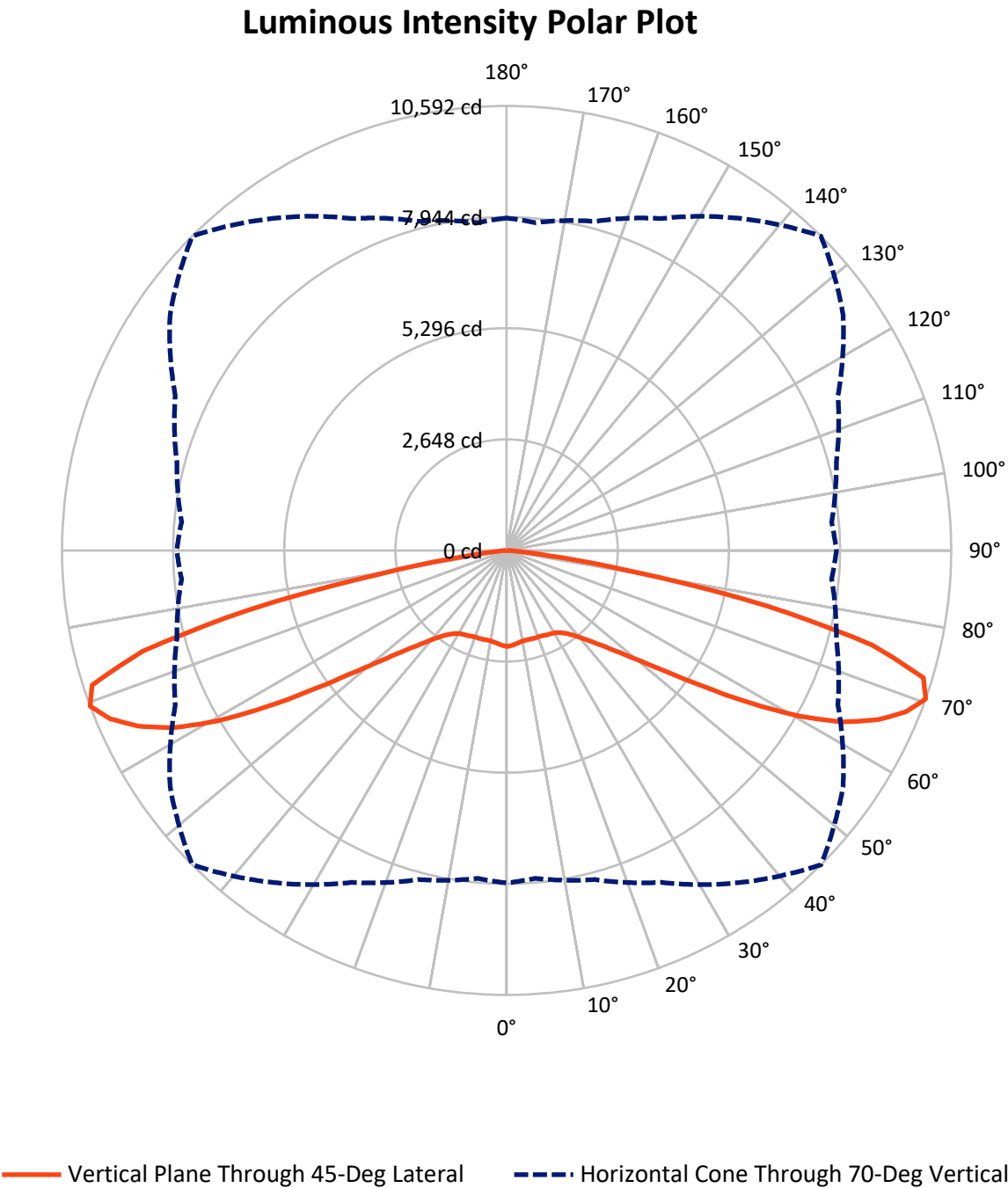
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
Type V - Short - N/A

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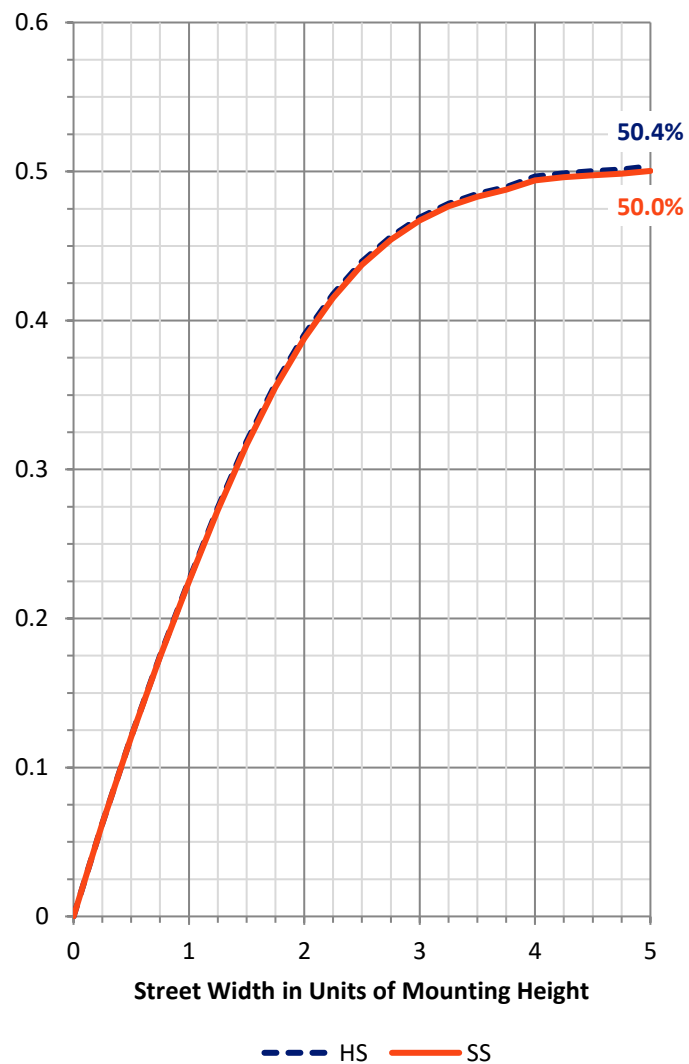
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12540.0	0.0	12540.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12540.0	0.0	12540.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25080.0	0.0	25080.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.8	0.8
10°-20°	624.9	2.5
20°-30°	1039.9	4.1
30°-40°	1572.7	6.3
40°-50°	2613.4	10.4
50°-60°	4931.4	19.7
60°-70°	8326.8	33.2
70°-80°	5471.6	21.8
80°-90°	286.7	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°	25080.0	100.0
0°-180°	25080.0	100.0

Coefficient of Utilization



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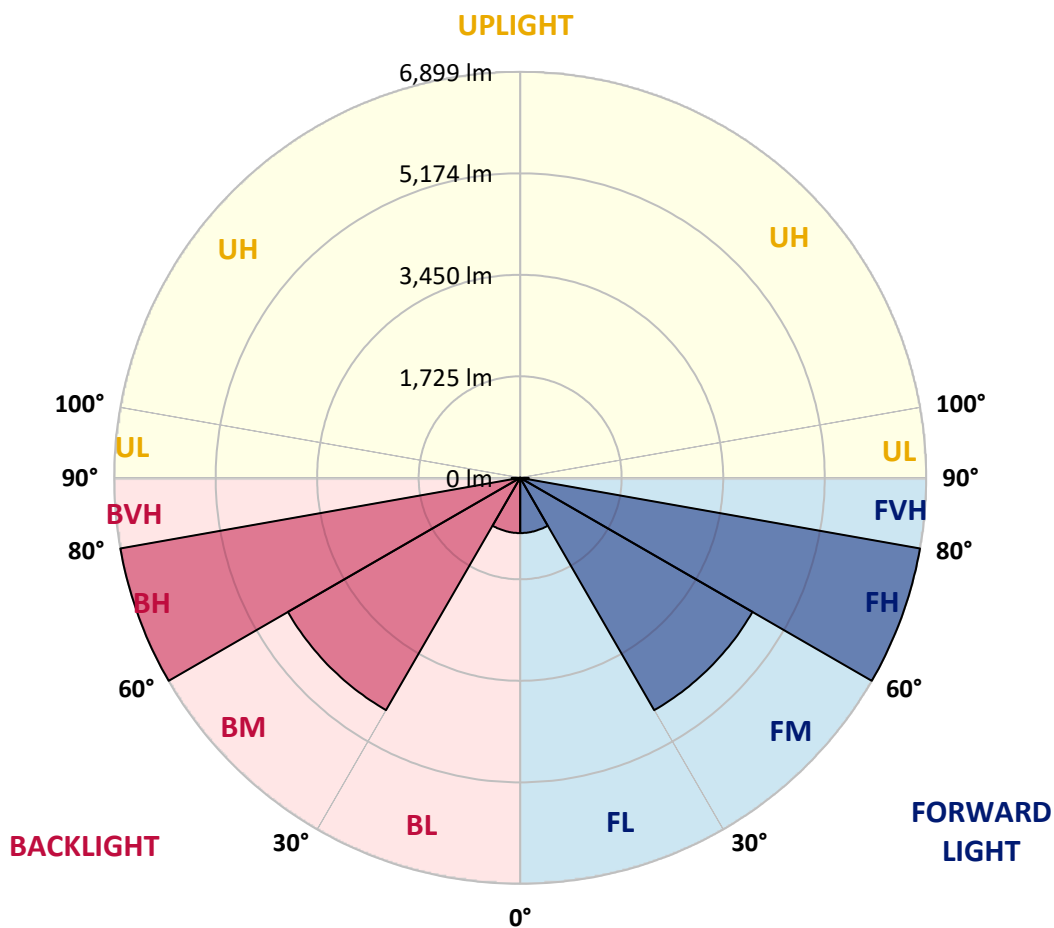
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	938.8	3.7			
FM	(30°-60°)	4558.7	18.2			
FH	(60°-80°)	6899.2	27.5			G3/7500
FVH	(80°-90°)	143.3	0.6			G2/225
BL	(0°-30°)	938.8	3.7	B2/1000		
BM	(30°-60°)	4558.7	18.2	B3/5000		
BH	(60°-80°)	6899.2	27.5	B5		G3/7500
BVH	(80°-90°)	143.3	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°	2287.8	2287.8	2287.8	2287.8	2287.8	2287.8	2287.8	2287.8	2287.8	2287.8	2287.8
2.5°	2273.5	2280.0	2277.4	2272.2	2272.2	2268.2	2272.2	2274.8	2278.7	2281.3	2280.0
5°	2243.5	2248.7	2247.4	2243.5	2244.8	2240.9	2243.5	2247.4	2250.0	2251.3	2251.3
7.5°	2217.4	2222.6	2220.0	2213.5	2213.5	2209.6	2210.9	2214.8	2218.7	2220.0	2220.0
10°	2210.9	2216.1	2208.3	2197.9	2193.9	2188.7	2190.0	2193.9	2201.8	2205.7	2205.7
12.5°	2213.5	2217.4	2209.6	2193.9	2190.0	2184.8	2184.8	2188.7	2199.2	2204.4	2205.7
15°	2221.3	2225.2	2213.5	2196.5	2192.6	2188.7	2187.4	2192.6	2204.4	2213.5	2214.8
17.5°	2235.7	2239.6	2221.3	2197.9	2192.6	2193.9	2192.6	2196.5	2214.8	2231.7	2231.7
20°	2248.7	2251.3	2226.5	2197.9	2192.6	2193.9	2192.6	2200.5	2223.9	2247.4	2248.7
22.5°	2252.6	2255.2	2231.7	2207.0	2203.1	2204.4	2203.1	2210.9	2233.1	2256.5	2256.5
25°	2253.9	2257.8	2239.6	2220.0	2226.5	2229.1	2226.5	2227.8	2244.8	2265.6	2264.3
27.5°	2273.5	2278.7	2261.7	2244.8	2248.7	2247.4	2251.3	2255.2	2268.2	2289.1	2283.9
30°	2313.9	2317.8	2303.4	2286.5	2283.9	2274.8	2286.5	2299.5	2313.9	2332.1	2328.2
32.5°	2380.4	2388.2	2369.9	2351.7	2339.9	2334.7	2343.9	2366.0	2385.6	2405.1	2397.3
35°	2491.2	2496.4	2479.4	2445.5	2424.7	2424.7	2432.5	2461.2	2492.5	2517.2	2508.1
37.5°	2647.6	2654.1	2624.1	2583.7	2552.4	2552.4	2562.9	2592.8	2639.8	2675.0	2661.9
40°	2837.9	2847.0	2809.2	2767.5	2737.5	2732.3	2745.4	2779.3	2823.6	2867.9	2853.6
42.5°	3067.3	3077.8	3028.2	2991.7	2968.3	2968.3	2974.8	3006.1	3046.5	3101.2	3097.3
45°	3360.7	3378.9	3311.1	3274.6	3252.5	3257.7	3261.6	3289.0	3325.5	3388.0	3385.4
47.5°	3710.0	3728.3	3656.6	3618.8	3614.9	3639.6	3624.0	3643.5	3663.1	3734.8	3713.9
50°	4106.3	4137.6	4088.1	4085.5	4093.3	4138.9	4102.4	4112.8	4090.7	4136.3	4108.9
52.5°	4591.2	4636.9	4627.7	4643.4	4730.7	4824.6	4741.2	4704.7	4621.2	4635.6	4587.3
55°	5179.2	5248.3	5261.3	5355.1	5553.3	5744.9	5567.6	5420.3	5243.0	5210.5	5159.6
57.5°	5847.9	5902.7	5965.2	6156.9	6527.1	6867.3	6527.1	6201.2	5922.2	5855.7	5808.8
60°	6567.5	6635.3	6695.2	6978.1	7528.2	8006.7	7517.8	7000.3	6631.4	6541.4	6463.2
62.5°	7340.5	7427.9	7469.6	7783.7	8425.1	8996.1	8434.2	7807.2	7397.9	7301.4	7223.2
65°	8082.3	8154.0	8200.9	8535.9	9148.6	9720.9	9190.3	8572.4	8151.4	8024.9	7962.3
67.5°	8427.7	8466.8	8581.5	8960.9	9607.5	10260.6	9717.0	9001.3	8530.7	8309.1	8311.7
70°	7921.9	7842.4	8118.8	8726.2	9662.2	10591.7	9787.4	8708.0	8131.8	7772.0	7858.0
72.5°	6121.7	5984.8	6464.5	7503.5	9036.5	10380.5	9099.1	7562.1	6763.0	6033.0	6214.2
75°	3330.7	3175.5	3837.8	5151.8	7206.2	8997.4	7371.8	5299.1	4273.2	3305.9	3521.0
77.5°	939.9	881.2	1415.7	2492.5	4334.4	6317.2	4501.3	2547.2	1679.0	995.9	1106.7
80°	288.1	279.0	378.0	750.9	1840.7	3025.6	1769.0	760.0	481.0	303.7	320.7
82.5°	170.8	156.4	187.7	273.8	469.3	950.3	456.3	285.5	229.4	153.8	166.9
85°	97.8	91.3	110.8	133.0	157.7	202.1	131.7	135.6	122.5	82.1	86.0
87.5°	40.4	36.5	43.0	41.7	36.5	46.9	35.2	41.7	49.5	32.6	30.0
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)