

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: P940580

Luminaire Tested: **GALN-SB3D-722-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940580
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-SB3D-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25512 lumens
Efficiency: N/A
Efficacy: 117.0 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): 218.1
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



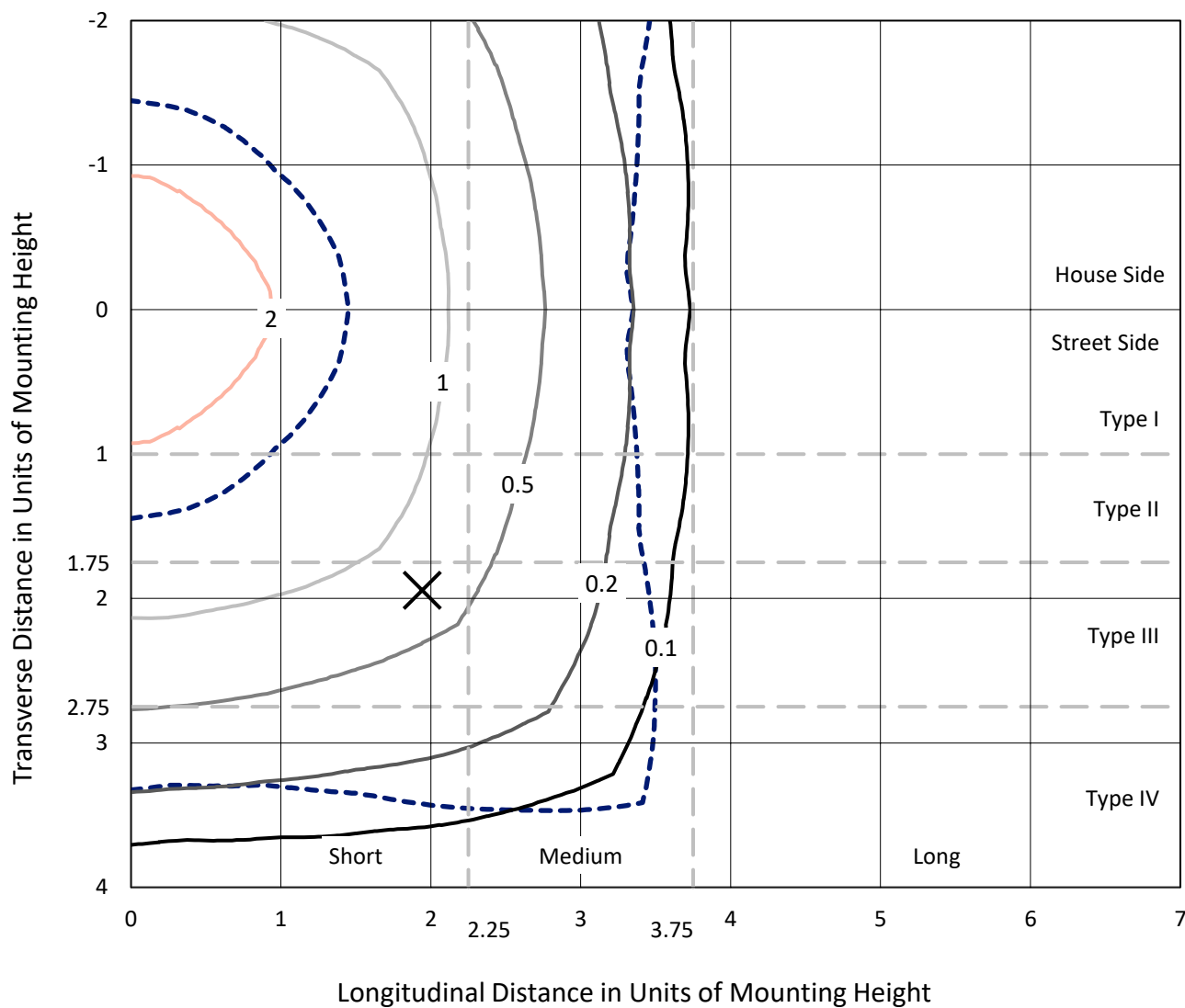
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

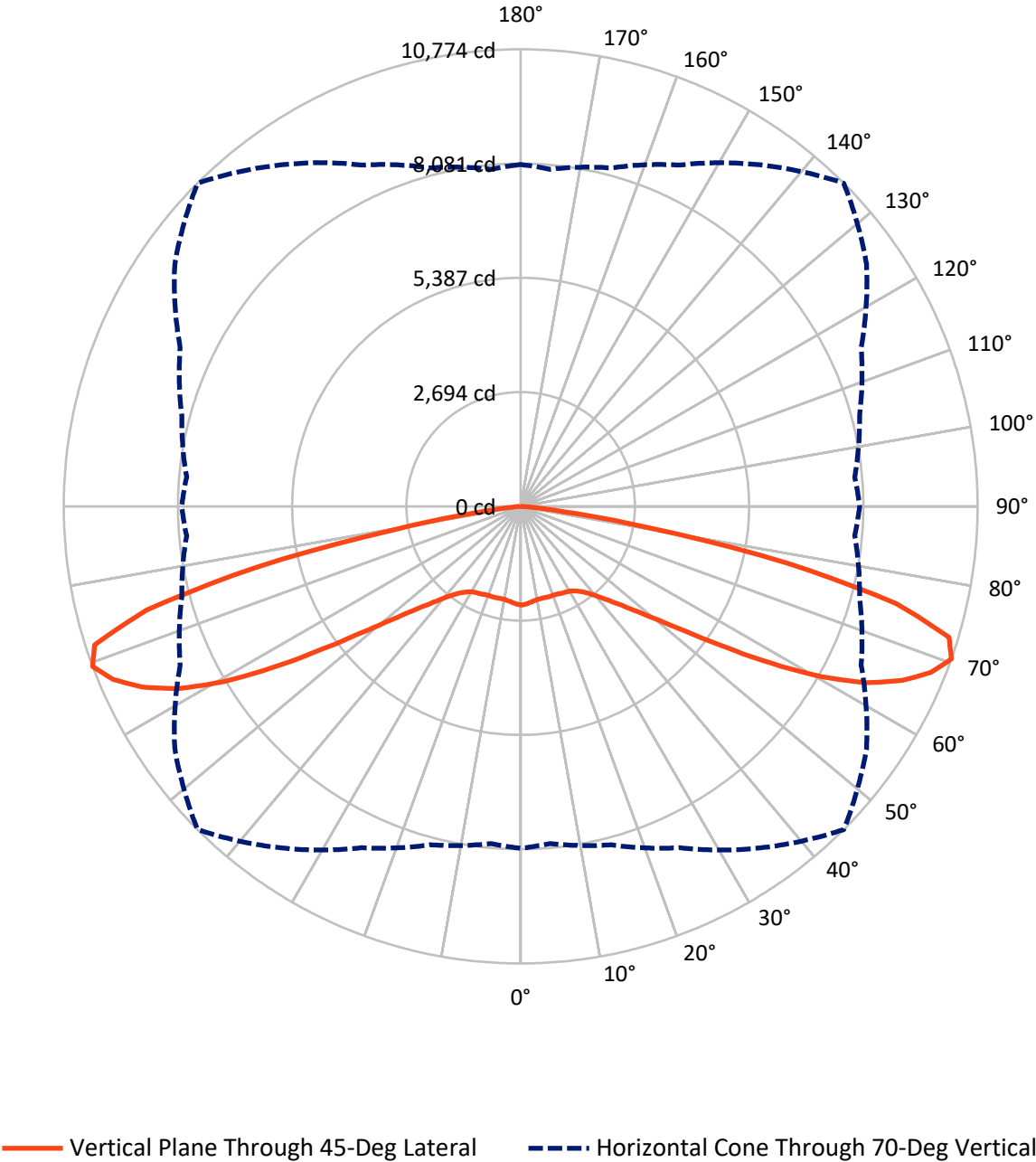


Based on 25 foot mounting height. Maximum calculated value = 3.7 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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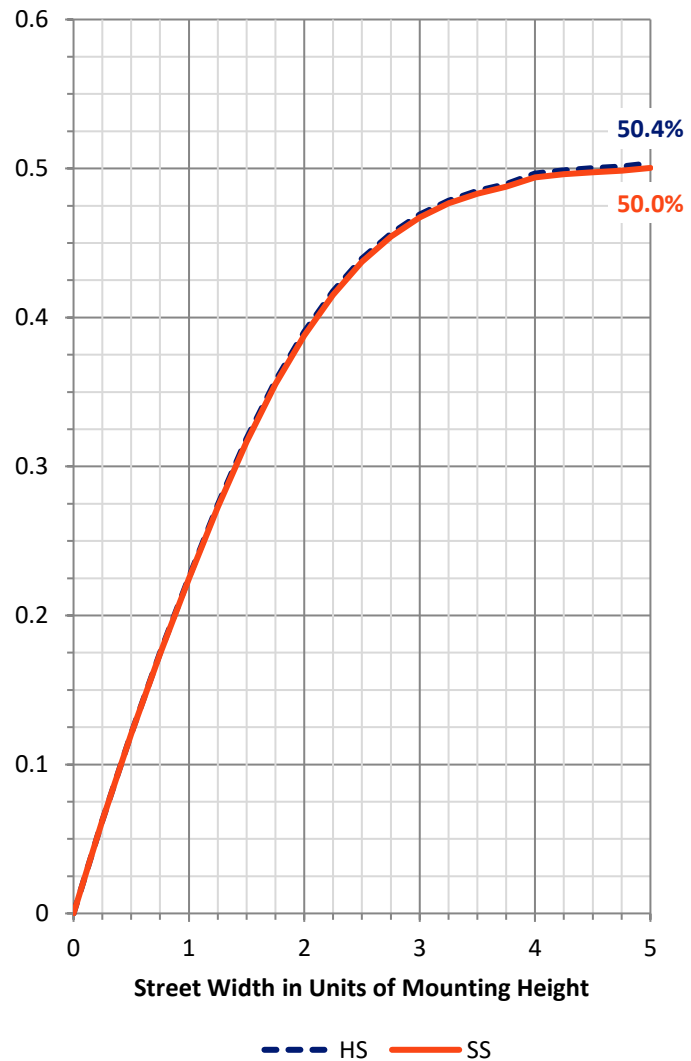
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12756.0	0.0	12756.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12756.0	0.0	12756.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25512.0	0.0	25512.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.5	0.8
10°-20°	635.7	2.5
20°-30°	1057.8	4.1
30°-40°	1599.7	6.3
40°-50°	2658.4	10.4
50°-60°	5016.3	19.7
60°-70°	8470.2	33.2
70°-80°	5565.8	21.8
80°-90°	291.6	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°	25512.0	100.0
0°-180°	25512.0	100.0

Coefficient of Utilization



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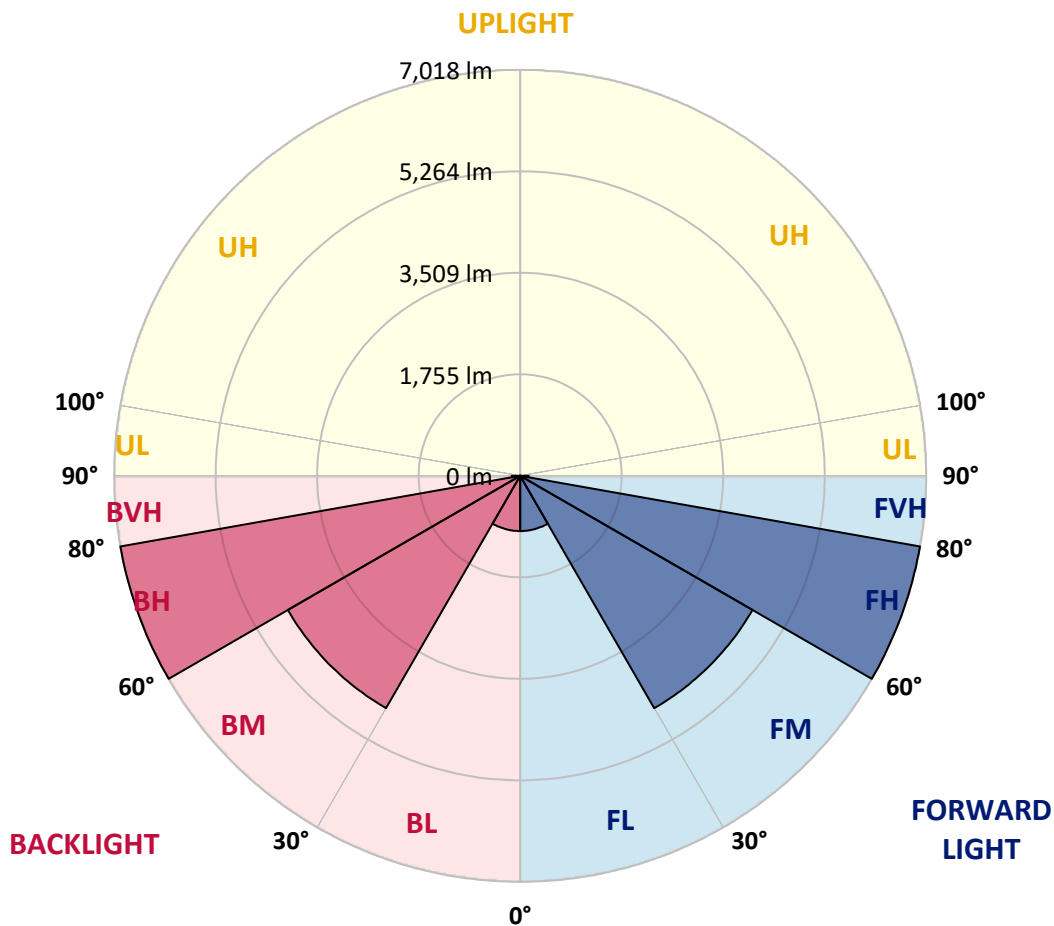
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	955.0	3.7			
FM	(30°-60°)	4637.2	18.2			
FH	(60°-80°)	7018.0	27.5			G3/7500
FVH	(80°-90°)	145.8	0.6			G2/225
BL	(0°-30°)	955.0	3.7	B2/1000		
BM	(30°-60°)	4637.2	18.2	B3/5000		
BH	(60°-80°)	7018.0	27.5	B5		G3/7500
BVH	(80°-90°)	145.8	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°	2327.2	2327.2	2327.2	2327.2	2327.2	2327.2	2327.2	2327.2	2327.2	2327.2	2327.2
2.5°	2312.6	2319.3	2316.6	2311.3	2311.3	2307.3	2311.3	2313.9	2317.9	2320.6	2319.3
5°	2282.1	2287.4	2286.1	2282.1	2283.4	2279.5	2282.1	2286.1	2288.8	2290.1	2290.1
7.5°	2255.6	2260.9	2258.3	2251.6	2251.6	2247.6	2249.0	2252.9	2256.9	2258.3	2258.3
10°	2249.0	2254.3	2246.3	2235.7	2231.7	2226.4	2227.8	2231.7	2239.7	2243.7	2243.7
12.5°	2251.6	2255.6	2247.6	2231.7	2227.8	2222.5	2222.5	2226.4	2237.0	2242.3	2243.7
15°	2259.6	2263.6	2251.6	2234.4	2230.4	2226.4	2225.1	2230.4	2242.3	2251.6	2252.9
17.5°	2274.2	2278.1	2259.6	2235.7	2230.4	2231.7	2230.4	2234.4	2252.9	2270.2	2270.2
20°	2287.4	2290.1	2264.9	2235.7	2230.4	2231.7	2230.4	2238.4	2262.2	2286.1	2287.4
22.5°	2291.4	2294.1	2270.2	2245.0	2241.0	2242.3	2241.0	2249.0	2271.5	2295.4	2295.4
25°	2292.7	2296.7	2278.1	2258.3	2264.9	2267.5	2264.9	2266.2	2283.4	2304.7	2303.3
27.5°	2312.6	2317.9	2300.7	2283.4	2287.4	2286.1	2290.1	2294.1	2307.3	2328.5	2323.2
30°	2353.7	2357.7	2343.1	2325.9	2323.2	2313.9	2325.9	2339.1	2353.7	2372.3	2368.3
32.5°	2421.4	2429.3	2410.7	2392.2	2380.2	2374.9	2384.2	2406.8	2426.7	2446.6	2438.6
35°	2534.1	2539.4	2522.1	2487.7	2466.4	2466.4	2474.4	2503.6	2535.4	2560.6	2551.3
37.5°	2693.2	2699.8	2669.3	2628.2	2596.4	2596.4	2607.0	2637.5	2685.2	2721.0	2707.8
40°	2886.8	2896.1	2857.6	2815.2	2784.7	2779.4	2792.6	2827.1	2872.2	2917.3	2902.7
42.5°	3120.2	3130.8	3080.4	3043.3	3019.4	3019.4	3026.0	3057.9	3099.0	3154.7	3150.7
45°	3418.5	3437.1	3368.2	3331.0	3308.5	3313.8	3317.8	3345.6	3382.7	3446.4	3443.7
47.5°	3773.9	3792.5	3719.6	3681.1	3677.1	3702.3	3686.4	3706.3	3726.2	3799.1	3777.9
50°	4177.0	4208.9	4158.5	4155.8	4163.8	4210.2	4173.1	4183.7	4161.1	4207.5	4179.7
52.5°	4670.3	4716.7	4707.5	4723.4	4812.2	4907.7	4822.8	4785.7	4700.8	4715.4	4666.4
55°	5268.4	5338.7	5351.9	5447.4	5648.9	5843.9	5663.5	5513.7	5333.4	5300.2	5248.5
57.5°	5948.6	6004.3	6068.0	6262.9	6639.5	6985.6	6639.5	6308.0	6024.2	5956.6	5908.9
60°	6680.6	6749.6	6810.6	7098.3	7657.9	8144.6	7647.3	7120.9	6745.6	6654.1	6574.5
62.5°	7467.0	7555.8	7598.2	7917.8	8570.2	9151.0	8579.5	7941.7	7525.3	7427.2	7347.6
65°	8221.5	8294.4	8342.1	8682.9	9306.2	9888.3	9348.6	8720.1	8291.8	8163.1	8099.5
67.5°	8572.9	8612.7	8729.4	9115.2	9772.9	10437.3	9884.3	9156.3	8677.6	8452.2	8454.9
70°	8058.4	7977.5	8258.6	8876.5	9828.6	10774.1	9955.9	8858.0	8271.9	7905.9	7993.4
72.5°	6227.1	6087.9	6575.9	7632.7	9192.1	10559.3	9255.8	7692.4	6879.5	6136.9	6321.3
75°	3388.0	3230.2	3903.9	5240.5	7330.4	9152.4	7498.8	5390.4	4346.8	3362.8	3581.6
77.5°	956.1	896.4	1440.1	2535.4	4409.1	6426.0	4578.8	2591.1	1707.9	1013.1	1125.8
80°	293.1	283.8	384.6	763.8	1872.4	3077.7	1799.4	773.1	489.3	309.0	326.2
82.5°	173.7	159.1	191.0	278.5	477.4	966.7	464.1	290.4	233.4	156.5	169.7
85°	99.5	92.8	112.7	135.3	160.5	205.5	133.9	137.9	124.6	83.5	87.5
87.5°	41.1	37.1	43.8	42.4	37.1	47.7	35.8	42.4	50.4	33.2	30.5
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)