

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: P942790

Luminaire Tested: **GALN-SB7A-722-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942790
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-SB7A-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26656 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 199.1
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



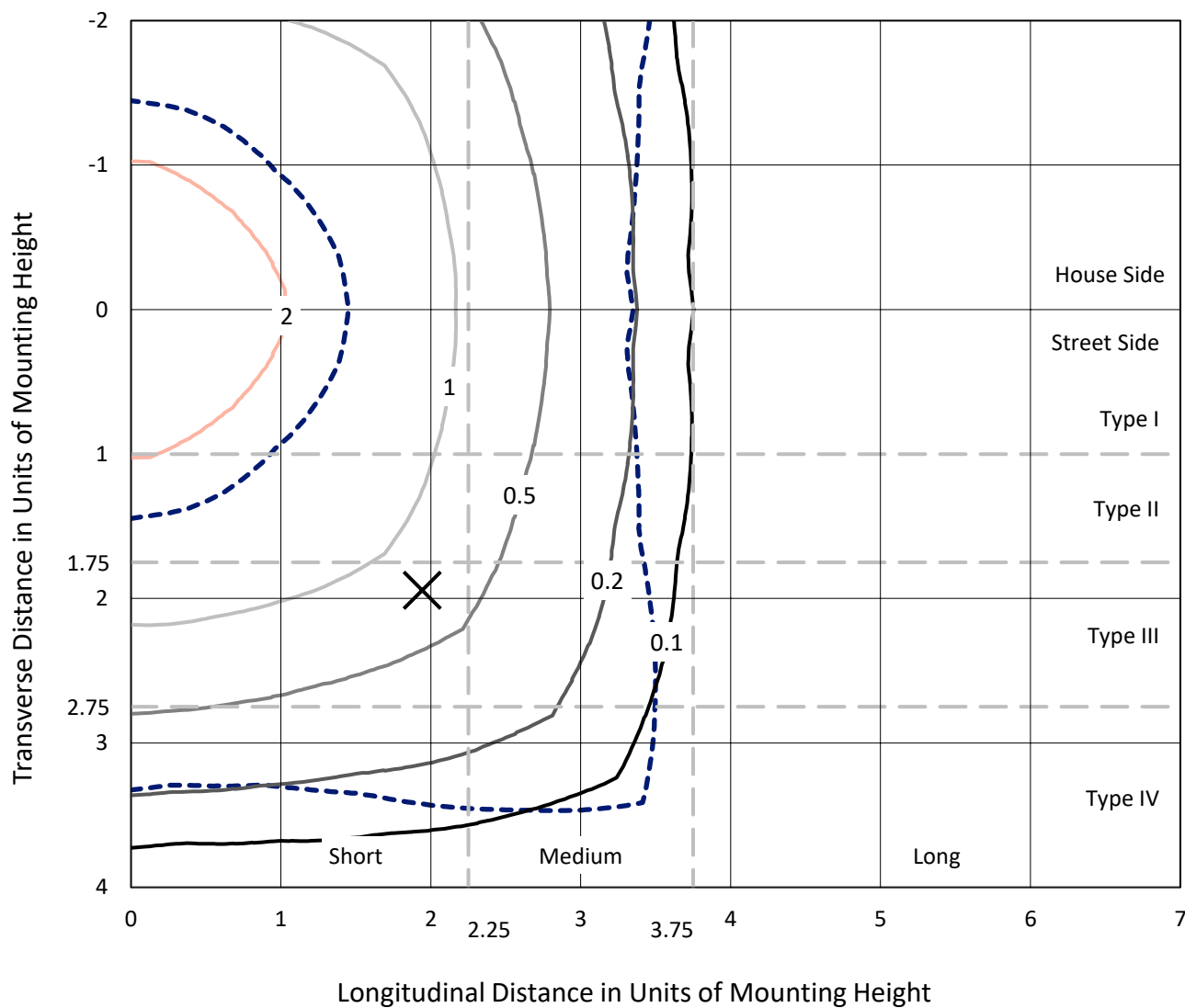
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

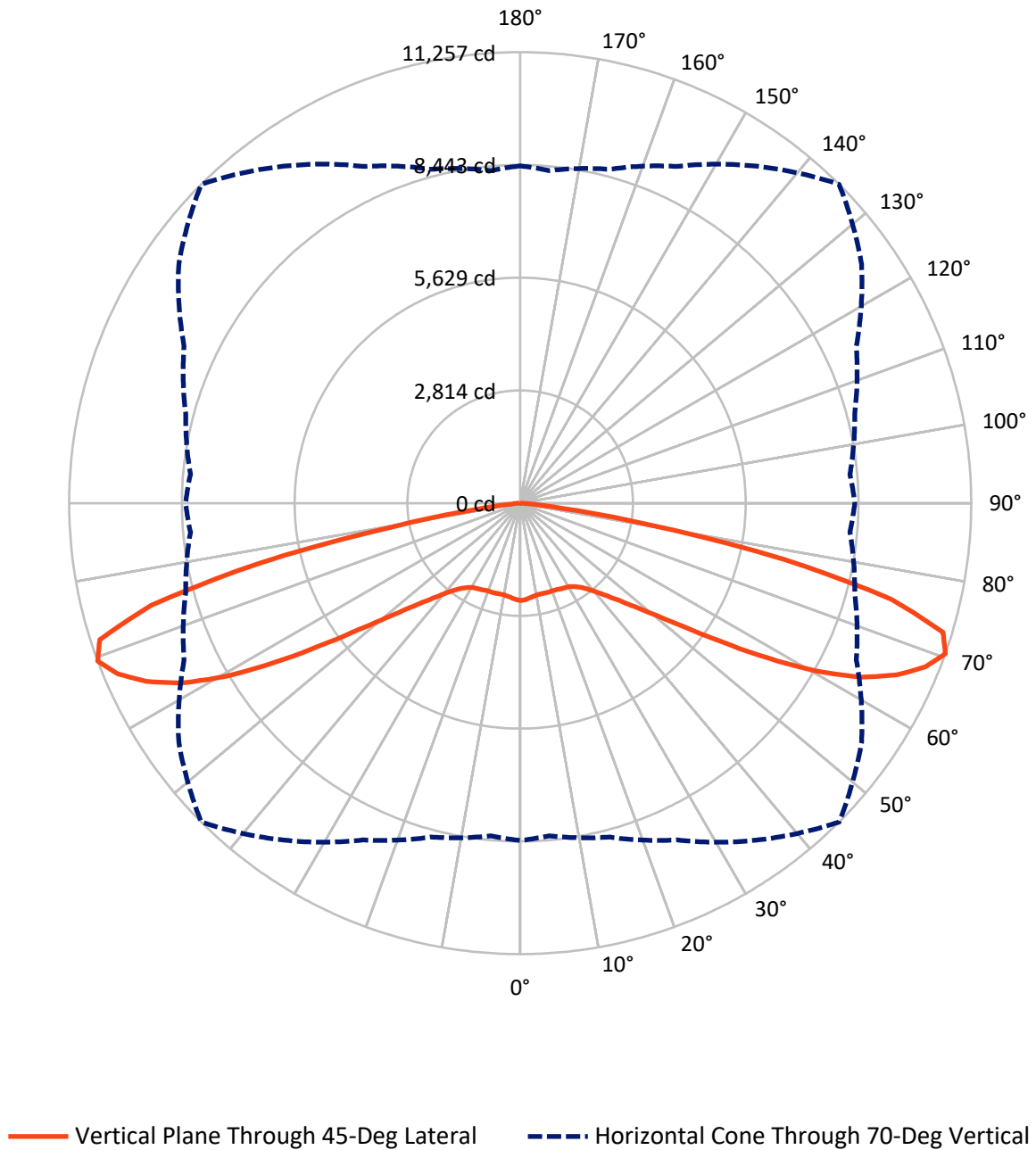


Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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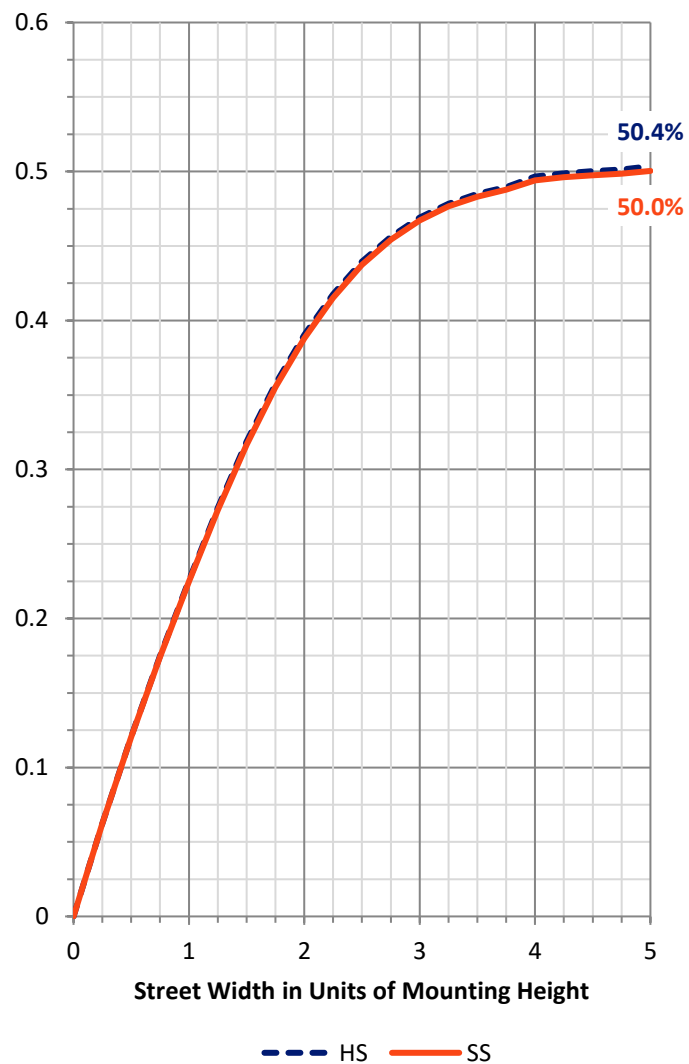
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13328.0	0.0	13328.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13328.0	0.0	13328.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26656.0	0.0	26656.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.2	0.8
10°-20°	664.2	2.5
20°-30°	1105.3	4.1
30°-40°	1671.5	6.3
40°-50°	2777.6	10.4
50°-60°	5241.2	19.7
60°-70°	8850.0	33.2
70°-80°	5815.4	21.8
80°-90°	304.7	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°	26656.0	100.0
0°-180°	26656.0	100.0

Coefficient of Utilization



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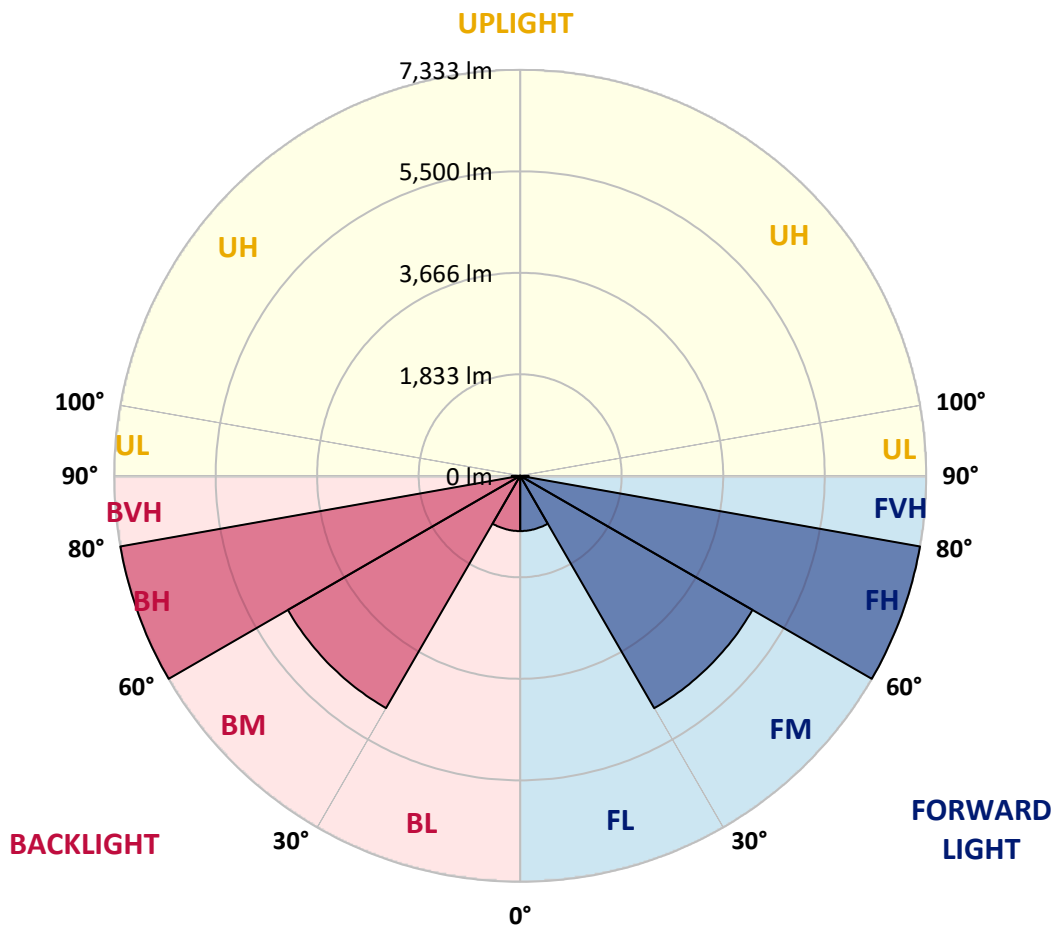
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	997.8	3.7			
FM	(30°-60°)	4845.2	18.2			
FH	(60°-80°)	7332.7	27.5			G3/7500
FVH	(80°-90°)	152.3	0.6			G2/225
BL	(0°-30°)	997.8	3.7	B2/1000		
BM	(30°-60°)	4845.2	18.2	B3/5000		
BH	(60°-80°)	7332.7	27.5	B5		G3/7500
BVH	(80°-90°)	152.3	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°	2431.6	2431.6	2431.6	2431.6	2431.6	2431.6	2431.6	2431.6	2431.6	2431.6	2431.6
2.5°	2416.3	2423.3	2420.5	2414.9	2414.9	2410.8	2414.9	2417.7	2421.9	2424.6	2423.3
5°	2384.5	2390.0	2388.6	2384.5	2385.8	2381.7	2384.5	2388.6	2391.4	2392.8	2392.8
7.5°	2356.7	2362.3	2359.5	2352.6	2352.6	2348.4	2349.8	2354.0	2358.1	2359.5	2359.5
10°	2349.8	2355.4	2347.0	2336.0	2331.8	2326.3	2327.7	2331.8	2340.1	2344.3	2344.3
12.5°	2352.6	2356.7	2348.4	2331.8	2327.7	2322.1	2322.1	2326.3	2337.3	2342.9	2344.3
15°	2360.9	2365.1	2352.6	2334.6	2330.4	2326.3	2324.9	2330.4	2342.9	2352.6	2354.0
17.5°	2376.1	2380.3	2360.9	2336.0	2330.4	2331.8	2330.4	2334.6	2354.0	2372.0	2372.0
20°	2390.0	2392.8	2366.4	2336.0	2330.4	2331.8	2330.4	2338.7	2363.7	2388.6	2390.0
22.5°	2394.2	2396.9	2372.0	2345.7	2341.5	2342.9	2341.5	2349.8	2373.4	2398.3	2398.3
25°	2395.5	2399.7	2380.3	2359.5	2366.4	2369.2	2366.4	2367.8	2385.8	2408.0	2406.6
27.5°	2416.3	2421.9	2403.9	2385.8	2390.0	2388.6	2392.8	2396.9	2410.8	2432.9	2427.4
30°	2459.3	2463.4	2448.2	2430.2	2427.4	2417.7	2430.2	2444.0	2459.3	2478.7	2474.5
32.5°	2529.9	2538.2	2518.9	2499.5	2487.0	2481.4	2491.1	2514.7	2535.5	2556.3	2547.9
35°	2647.7	2653.2	2635.2	2599.2	2577.0	2577.0	2585.4	2615.8	2649.1	2675.4	2665.7
37.5°	2814.0	2820.9	2789.0	2746.1	2712.8	2712.8	2723.9	2755.8	2805.7	2843.1	2829.2
40°	3016.2	3025.9	2985.8	2941.4	2909.6	2904.0	2917.9	2953.9	3001.0	3048.1	3032.9
42.5°	3260.1	3271.2	3218.5	3179.7	3154.8	3154.8	3161.7	3195.0	3237.9	3296.1	3292.0
45°	3571.8	3591.2	3519.2	3480.4	3456.8	3462.4	3466.5	3495.6	3534.4	3600.9	3598.2
47.5°	3943.2	3962.5	3886.3	3846.2	3842.0	3868.3	3851.7	3872.5	3893.3	3969.5	3947.3
50°	4364.3	4397.6	4344.9	4342.2	4350.5	4399.0	4360.2	4371.3	4347.7	4396.2	4367.1
52.5°	4879.8	4928.2	4918.5	4935.2	5028.0	5127.8	5039.1	5000.3	4911.6	4926.9	4875.6
55°	5504.6	5578.0	5591.9	5691.7	5902.3	6105.9	5917.5	5760.9	5572.5	5537.9	5483.8
57.5°	6215.4	6273.6	6340.1	6543.7	6937.2	7298.8	6937.2	6590.9	6294.4	6223.7	6173.8
60°	6980.2	7052.2	7116.0	7416.6	8001.3	8509.8	7990.2	7440.2	7048.1	6952.5	6869.3
62.5°	7801.8	7894.6	7939.0	8272.9	8954.5	9561.4	8964.2	8297.8	7862.7	7760.2	7677.1
65°	8590.1	8666.3	8716.2	9072.3	9723.5	10331.7	9767.8	9111.1	8663.6	8529.2	8462.7
67.5°	8957.3	8998.9	9120.8	9524.0	10211.2	10905.3	10327.6	9566.9	9066.8	8831.2	8834.0
70°	8419.7	8335.2	8628.9	9274.6	10269.4	11257.2	10402.4	9255.2	8642.8	8260.4	8351.8
72.5°	6506.3	6360.9	6870.7	7975.0	9604.3	11032.8	9670.8	8037.3	7188.0	6412.1	6604.7
75°	3540.0	3375.1	4078.9	5475.5	7659.1	9562.8	7835.0	5632.1	4541.7	3513.6	3742.3
77.5°	999.0	936.6	1504.7	2649.1	4606.8	6714.2	4784.2	2707.3	1784.5	1058.5	1176.3
80°	306.2	296.5	401.8	798.1	1956.3	3215.8	1880.1	807.8	511.3	322.8	340.8
82.5°	181.5	166.3	199.5	291.0	498.8	1010.0	484.9	303.4	243.8	163.5	177.3
85°	103.9	97.0	117.8	141.3	167.6	214.8	139.9	144.1	130.2	87.3	91.4
87.5°	43.0	38.8	45.7	44.3	38.8	49.9	37.4	44.3	52.6	34.6	31.9
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)