

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: P948761

Luminaire Tested: **GALN-SB3D-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948761
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
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-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25972 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

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



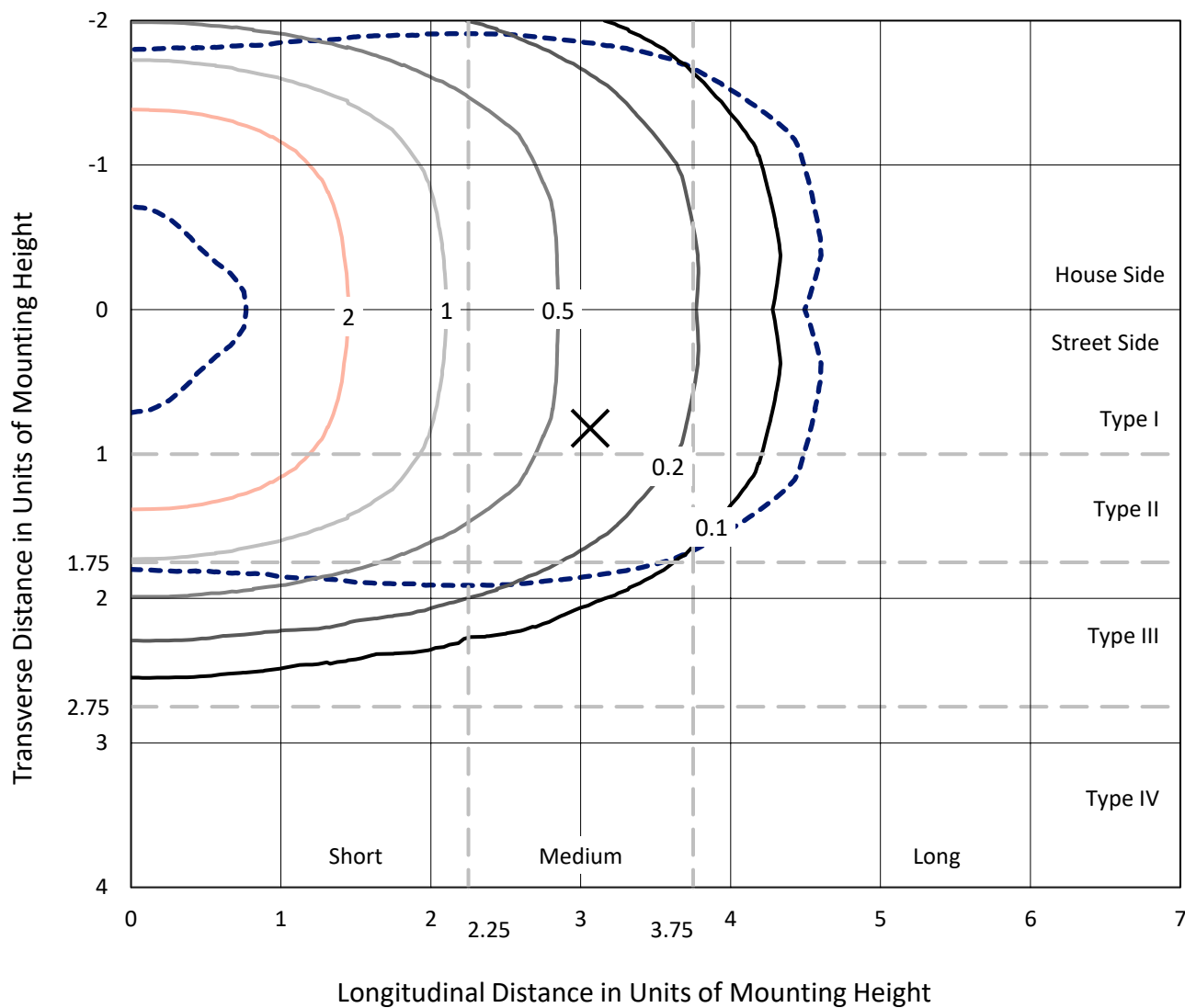
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Iso-Footcandle Lines of Horizontal Illumination

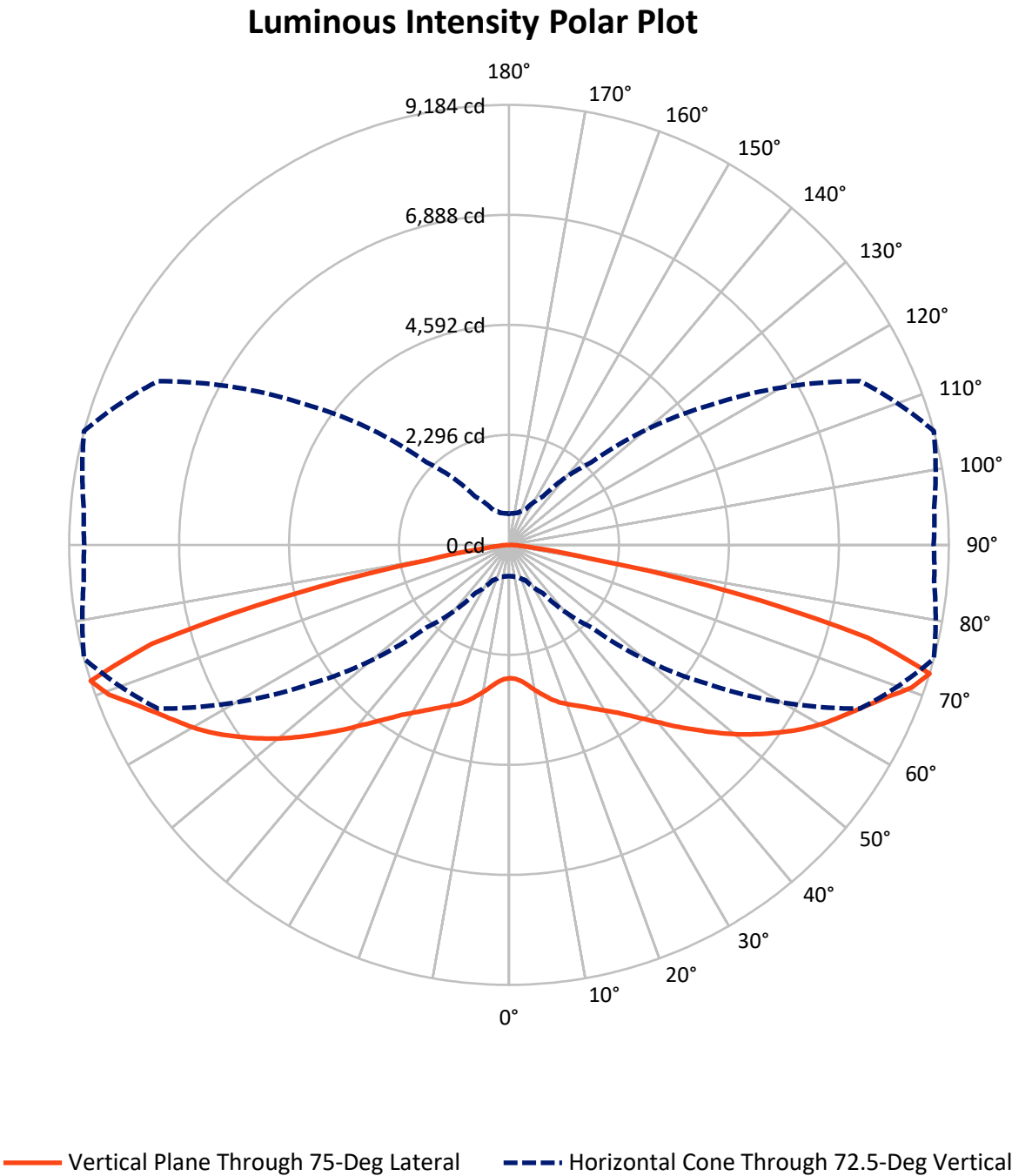
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
Type III - Medium - N/A

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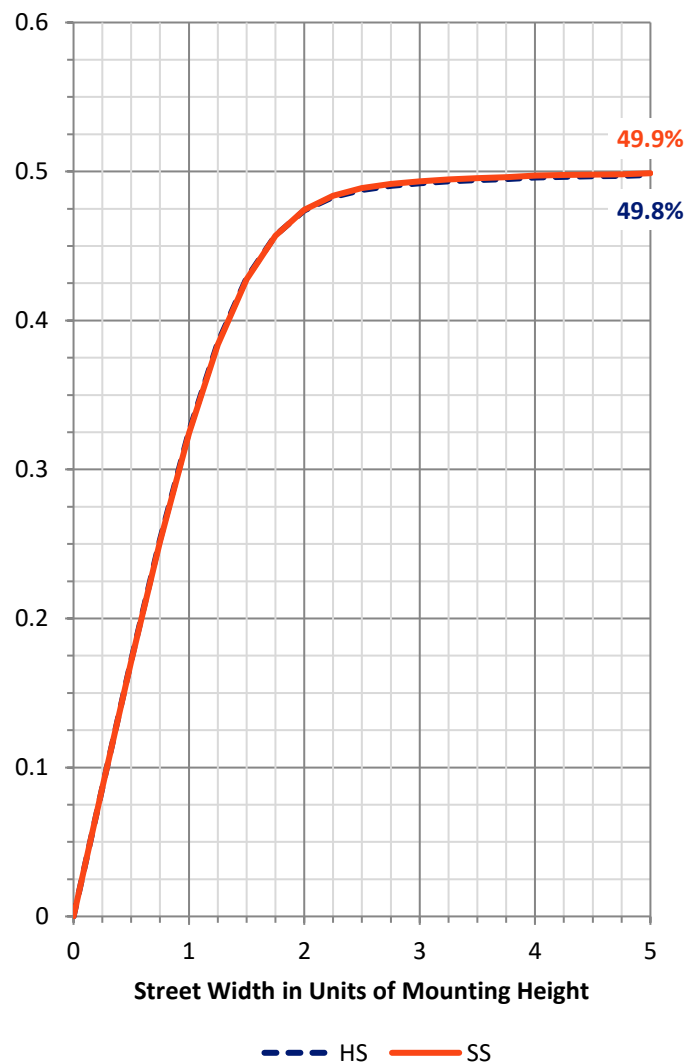
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12986.0	0.0	12986.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12986.0	0.0	12986.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25972.0	0.0	25972.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.5	1.0
10°-20°	898.9	3.5
20°-30°	1736.8	6.7
30°-40°	2932.8	11.3
40°-50°	4651.0	17.9
50°-60°	6227.2	24.0
60°-70°	5926.3	22.8
70°-80°	3092.4	11.9
80°-90°	234.1	0.9
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°	25972.0	100.0
0°-180°	25972.0	100.0

Coefficient of Utilization



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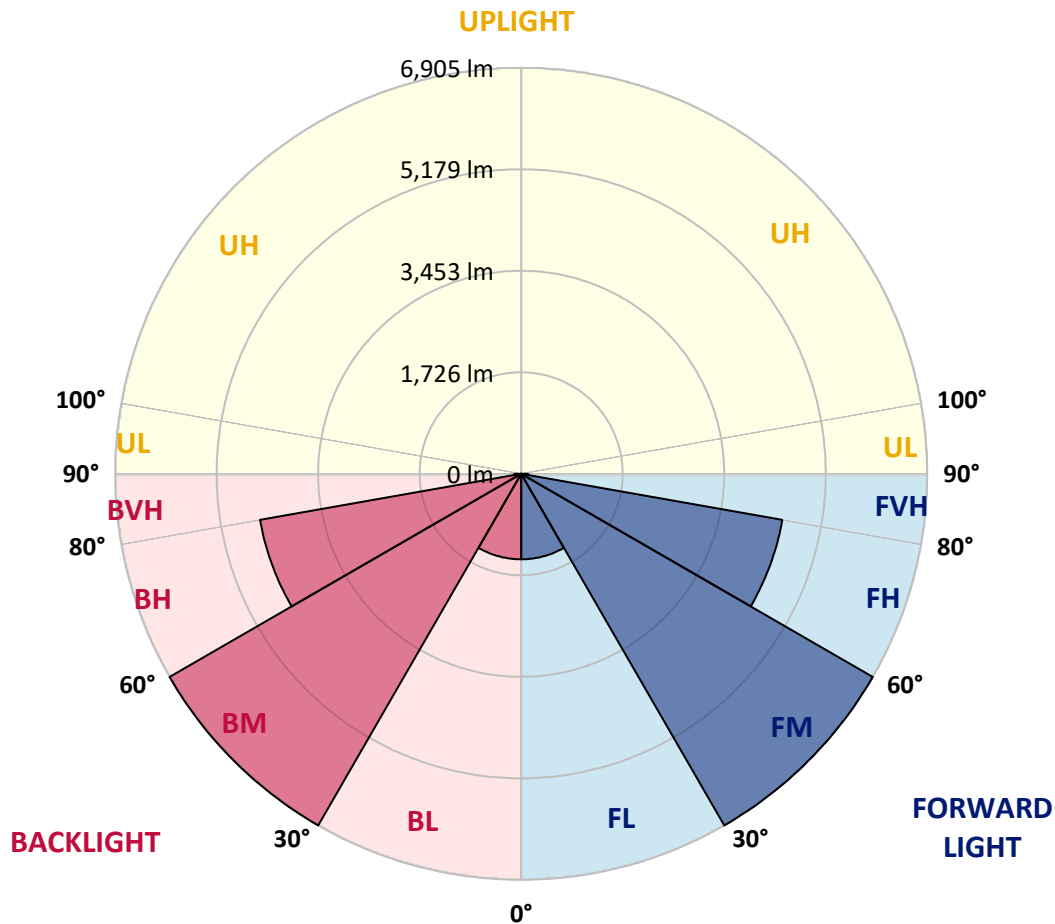
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1454.1	5.6			
FM	(30°-60°)	6905.5	26.6			
FH	(60°-80°)	4509.4	17.4			G2/5000
FVH	(80°-90°)	117.0	0.5			G2/225
BL	(0°-30°)	1454.1	5.6	B3/2500		
BM	(30°-60°)	6905.5	26.6	B4/8500		
BH	(60°-80°)	4509.4	17.4	B4/5000		G4/5000
BVH	(80°-90°)	117.0	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2782.1	2782.1	2782.1	2782.1	2782.1	2782.1	2782.1	2782.1	2782.1	2782.1	2782.1
2.5°	2782.1	2779.4	2782.1	2784.7	2783.4	2783.4	2790.0	2794.0	2802.0	2800.6	2799.3
5°	2763.5	2762.2	2772.8	2784.7	2794.0	2809.9	2829.8	2844.4	2863.0	2866.9	2866.9
7.5°	2754.2	2750.2	2768.8	2790.0	2819.2	2859.0	2897.4	2937.2	2969.0	2979.6	2982.3
10°	2760.8	2762.2	2787.4	2827.2	2873.6	2929.3	2983.6	3051.3	3096.3	3106.9	3117.6
12.5°	2791.3	2788.7	2831.1	2894.8	2958.4	3028.7	3092.4	3166.6	3215.7	3240.9	3251.5
15°	2847.0	2841.7	2901.4	2995.6	3088.4	3170.6	3222.3	3292.6	3349.6	3381.4	3393.4
17.5°	2913.3	2916.0	2994.2	3116.2	3238.2	3331.1	3380.1	3415.9	3459.7	3487.5	3500.8
20°	3030.0	3035.3	3122.9	3267.4	3406.6	3512.7	3552.5	3539.2	3551.2	3572.4	3588.3
22.5°	3186.5	3189.2	3287.3	3443.8	3589.6	3706.3	3732.8	3678.5	3645.3	3659.9	3670.5
25°	3368.2	3385.4	3483.5	3644.0	3793.8	3905.2	3917.2	3835.0	3752.7	3756.7	3763.3
27.5°	3589.6	3605.5	3705.0	3864.1	4016.6	4113.4	4112.1	4002.0	3881.4	3850.9	3860.1
30°	3829.7	3846.9	3949.0	4113.4	4255.3	4340.2	4321.6	4190.3	4018.0	3960.9	3967.6
32.5°	4114.8	4125.4	4228.8	4393.2	4524.5	4592.1	4553.7	4391.9	4177.1	4112.1	4128.0
35°	4459.5	4475.4	4552.4	4707.5	4822.9	4878.6	4813.6	4622.6	4381.3	4308.4	4319.0
37.5°	4853.4	4842.8	4930.3	5068.2	5163.7	5198.1	5109.3	4882.5	4614.7	4528.5	4544.4
40°	5264.4	5259.1	5354.6	5487.2	5538.9	5560.2	5428.9	5180.9	4883.9	4791.0	4821.5
42.5°	5637.1	5633.1	5761.7	5908.9	5971.2	5947.4	5781.6	5497.8	5195.5	5089.4	5115.9
45°	5935.4	5930.1	6087.9	6294.8	6416.8	6377.0	6154.2	5847.9	5511.1	5401.0	5426.2
47.5°	6164.8	6167.5	6337.2	6593.2	6806.6	6821.2	6534.8	6204.6	5858.5	5733.9	5771.0
50°	6330.6	6338.5	6520.2	6804.0	7095.7	7224.4	6923.3	6570.6	6217.9	6077.3	6119.7
52.5°	6371.7	6386.3	6605.1	6937.9	7281.4	7526.7	7318.5	6922.0	6558.7	6424.7	6459.2
55°	6152.9	6182.1	6459.2	6927.3	7395.4	7725.6	7665.9	7278.7	6902.1	6764.2	6802.7
57.5°	5650.3	5691.4	6015.0	6626.3	7370.2	7862.2	7935.1	7620.8	7245.6	7113.0	7143.5
60°	4946.2	4995.3	5305.6	5972.6	7014.8	7912.6	8124.7	7953.7	7561.2	7432.5	7460.4
62.5°	3884.0	3947.7	4319.0	5101.3	6264.3	7677.9	8286.5	8254.7	7844.9	7684.5	7703.1
65°	2491.7	2559.3	2950.5	3874.7	5263.1	6959.1	8336.9	8547.8	8144.6	7920.5	7948.4
67.5°	1502.4	1532.9	1726.5	2348.4	3846.9	5875.8	7909.9	8872.6	8494.7	8216.2	8237.5
70°	961.4	978.6	1094.0	1379.1	2174.7	4287.1	6851.7	8933.6	8919.1	8519.9	8517.3
72.5°	652.4	657.7	688.2	816.9	1230.6	2436.0	5053.6	8087.6	9184.3	8911.1	8868.7
75°	477.4	506.6	555.6	578.2	698.8	1217.3	2896.1	5682.2	7740.2	7859.5	7570.5
77.5°	355.4	356.7	424.3	450.9	498.6	648.4	1225.3	3171.9	4805.6	5045.6	4500.6
80°	301.0	285.1	283.8	363.3	375.3	404.4	547.7	1095.3	1721.2	1043.6	789.0
82.5°	250.6	233.4	210.8	283.8	255.9	248.0	237.4	445.6	547.7	269.2	229.4
85°	175.0	167.1	159.1	185.6	145.9	124.6	114.0	208.2	230.7	114.0	100.8
87.5°	75.6	78.2	79.6	82.2	61.0	43.8	43.8	58.3	58.3	45.1	33.2
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)