

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: P950189

Luminaire Tested: **GALN-SB4D-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950189
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-SB4D-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 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: 34693 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

Input Watts (W): 293.6
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

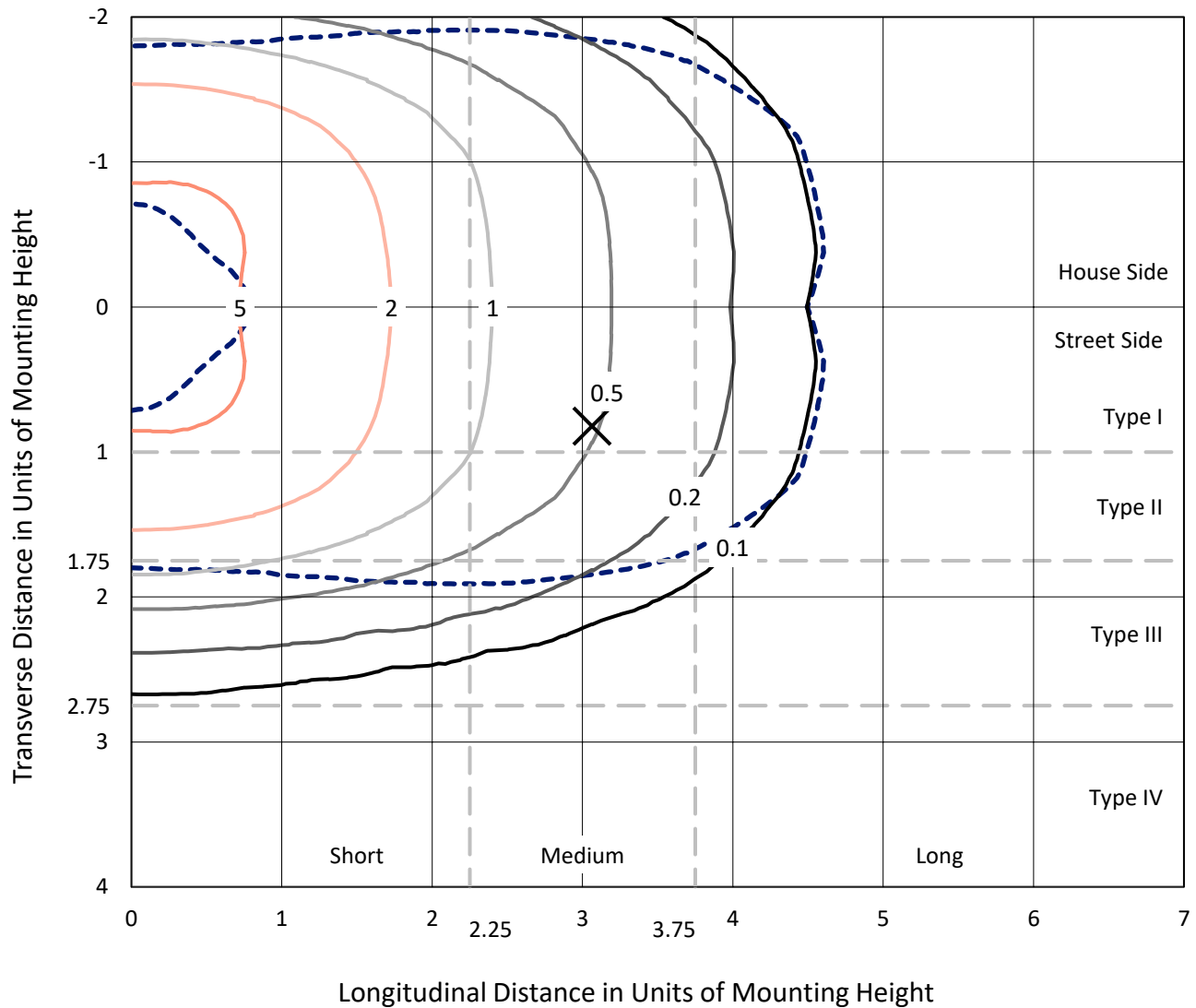


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
--- 1/2 Max cd

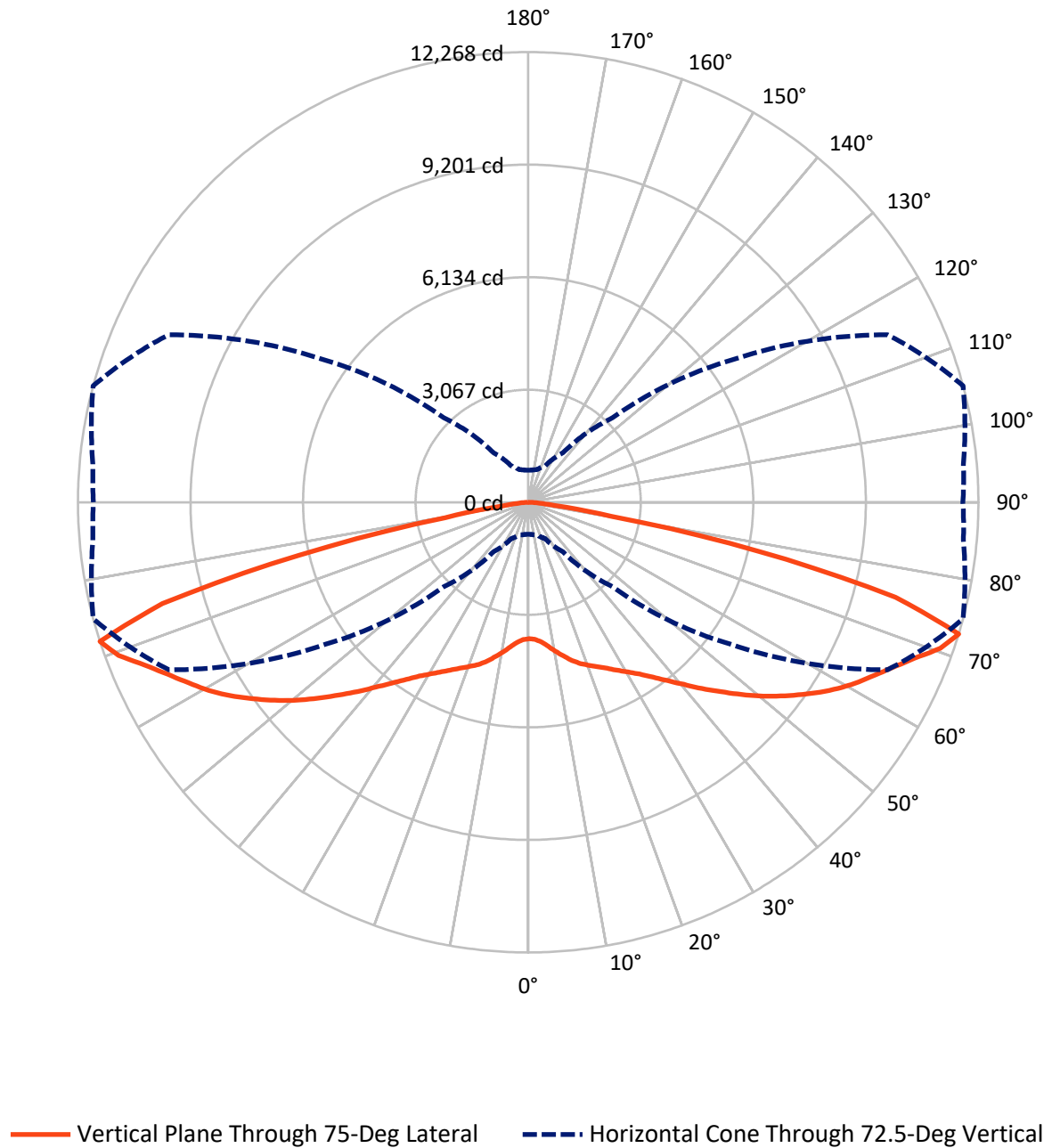


Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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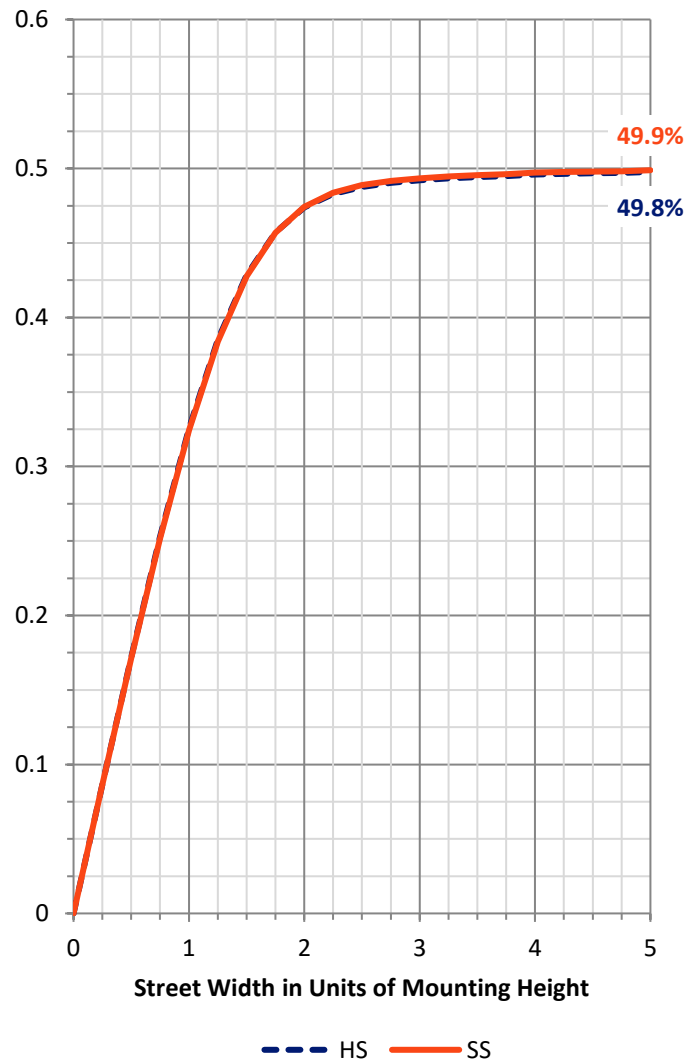
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17346.5	0.0	17346.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17346.5	0.0	17346.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	34693.0	0.0	34693.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.0	1.0
10°-20°	1200.7	3.5
20°-30°	2320.0	6.7
30°-40°	3917.5	11.3
40°-50°	6212.8	17.9
50°-60°	8318.2	24.0
60°-70°	7916.2	22.8
70°-80°	4130.8	11.9
80°-90°	312.7	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°	34693.0	100.0
0°-180°	34693.0	100.0

Coefficient of Utilization



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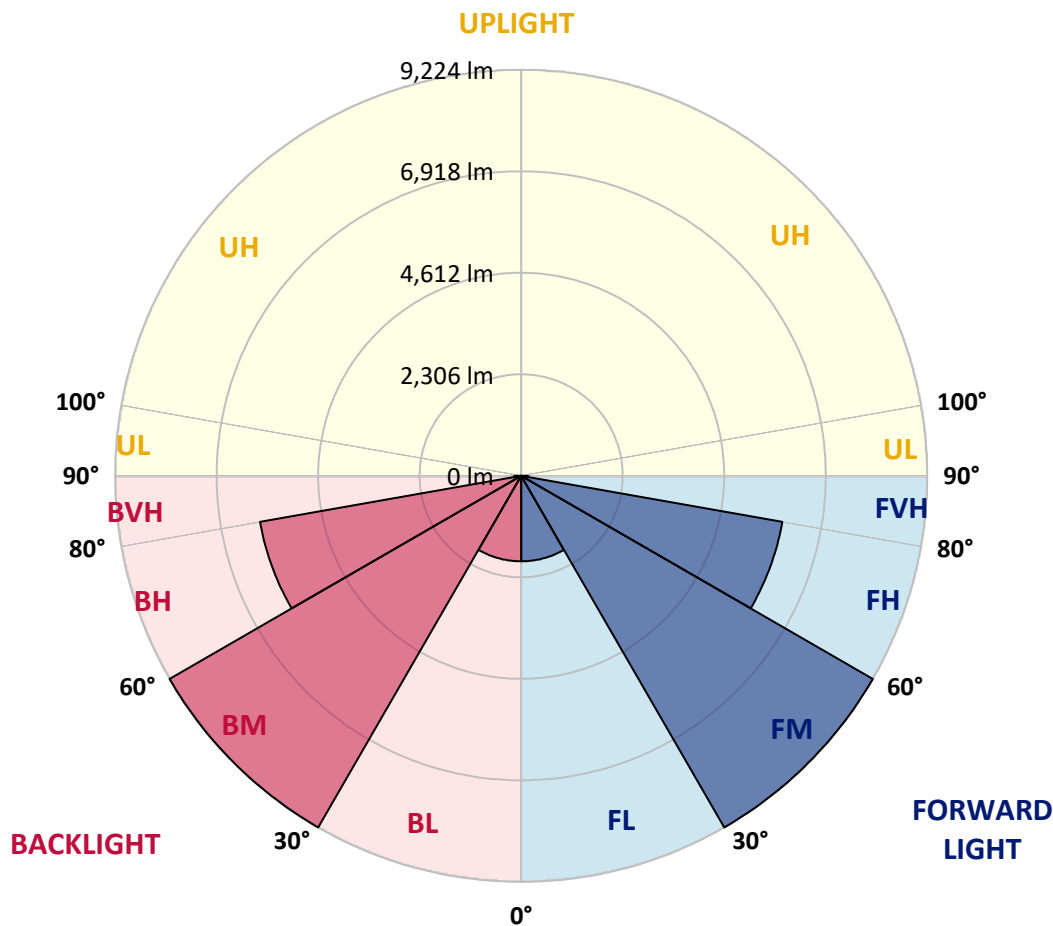
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1942.4	5.6			
FM	(30°-60°)	9224.2	26.6			
FH	(60°-80°)	6023.5	17.4			G3/7500
FVH	(80°-90°)	156.3	0.5			G2/225
BL	(0°-30°)	1942.4	5.6	B3/2500		
BM	(30°-60°)	9224.2	26.6	B5		
BH	(60°-80°)	6023.5	17.4	B5		G5
BVH	(80°-90°)	156.3	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3716.2	3716.2	3716.2	3716.2	3716.2	3716.2	3716.2	3716.2	3716.2	3716.2	3716.2
2.5°	3716.2	3712.7	3716.2	3719.8	3718.0	3718.0	3726.9	3732.2	3742.8	3741.0	3739.3
5°	3691.4	3689.7	3703.8	3719.8	3732.2	3753.4	3780.0	3799.5	3824.3	3829.6	3829.6
7.5°	3679.0	3673.7	3698.5	3726.9	3765.8	3819.0	3870.3	3923.5	3966.0	3980.2	3983.7
10°	3687.9	3689.7	3723.3	3776.5	3838.5	3912.9	3985.5	4075.8	4136.0	4150.2	4164.4
12.5°	3728.6	3725.1	3781.8	3866.8	3951.8	4045.7	4130.7	4229.9	4295.5	4329.1	4343.3
15°	3803.0	3796.0	3875.7	4001.4	4125.4	4235.2	4304.3	4398.2	4474.4	4516.9	4532.8
17.5°	3891.6	3895.1	3999.7	4162.6	4325.6	4449.6	4515.1	4562.9	4621.4	4658.6	4676.3
20°	4047.5	4054.6	4171.5	4364.5	4550.5	4692.2	4745.4	4727.7	4743.6	4772.0	4793.2
22.5°	4256.5	4260.0	4391.1	4600.1	4795.0	4950.9	4986.3	4913.7	4869.4	4888.9	4903.0
25°	4499.2	4522.2	4653.3	4867.6	5067.8	5216.6	5232.5	5122.7	5012.9	5018.2	5027.0
27.5°	4795.0	4816.2	4949.1	5161.6	5365.3	5494.7	5492.9	5345.9	5184.7	5143.9	5156.3
30°	5115.6	5138.6	5275.0	5494.7	5684.2	5797.5	5772.8	5597.4	5367.1	5290.9	5299.8
32.5°	5496.4	5510.6	5648.8	5868.4	6043.8	6134.1	6082.7	5866.6	5579.7	5492.9	5514.1
35°	5957.0	5978.2	6081.0	6288.2	6442.3	6516.7	6429.9	6174.8	5852.5	5755.0	5769.2
37.5°	6483.1	6468.9	6585.8	6770.0	6897.5	6943.6	6824.9	6522.0	6164.2	6049.1	6070.3
40°	7032.2	7025.1	7152.6	7329.7	7398.8	7427.2	7251.8	6920.6	6523.8	6399.8	6440.5
42.5°	7529.9	7524.6	7696.4	7893.0	7976.3	7944.4	7723.0	7343.9	6940.1	6798.3	6833.8
45°	7928.5	7921.4	8132.2	8408.5	8571.4	8518.3	8220.7	7811.5	7361.6	7214.6	7248.3
47.5°	8234.9	8238.4	8465.2	8807.0	9092.2	9111.7	8729.1	8288.0	7825.7	7659.2	7708.8
50°	8456.3	8466.9	8709.6	9088.7	9478.4	9650.2	9248.1	8776.9	8305.7	8118.0	8174.7
52.5°	8511.2	8530.7	8823.0	9267.6	9726.3	10054.0	9775.9	9246.3	8761.0	8582.1	8628.1
55°	8219.0	8257.9	8628.1	9253.4	9878.7	10319.7	10240.0	9722.8	9219.8	9035.5	9086.9
57.5°	7547.6	7602.5	8034.7	8851.3	9845.0	10502.2	10599.6	10179.8	9678.5	9501.4	9542.1
60°	6607.0	6672.6	7087.1	7978.1	9370.3	10569.5	10852.9	10624.4	10100.1	9928.3	9965.5
62.5°	5188.2	5273.2	5769.2	6814.3	8367.7	10256.0	11069.0	11026.5	10479.2	10264.8	10289.6
65°	3328.3	3418.7	3941.2	5175.8	7030.4	9295.9	11136.3	11418.0	10879.5	10580.1	10617.3
67.5°	2006.9	2047.7	2306.3	3137.0	5138.6	7848.7	10566.0	11851.9	11347.1	10975.1	11003.5
70°	1284.2	1307.2	1461.3	1842.2	2905.0	5726.7	9152.4	11933.4	11913.9	11380.8	11377.2
72.5°	871.5	878.6	919.3	1091.1	1643.8	3253.9	6750.5	10803.3	12268.2	11903.3	11846.6
75°	637.7	676.6	742.2	772.3	933.5	1626.1	3868.6	7590.1	10339.2	10498.6	10112.5
77.5°	474.7	476.5	566.8	602.3	666.0	866.2	1636.7	4237.0	6419.3	6739.9	6011.9
80°	402.1	380.8	379.1	485.3	501.3	540.3	731.6	1463.1	2299.2	1394.0	1053.9
82.5°	334.8	311.8	281.6	379.1	341.9	331.2	317.1	595.2	731.6	359.6	306.4
85°	233.8	223.2	212.6	248.0	194.8	166.5	152.3	278.1	308.2	152.3	134.6
87.5°	101.0	104.5	106.3	109.8	81.5	58.5	58.5	77.9	77.9	60.2	44.3
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)