

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: P941263

Luminaire Tested: **GALN-SB4D-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941263
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
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-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33329 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
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

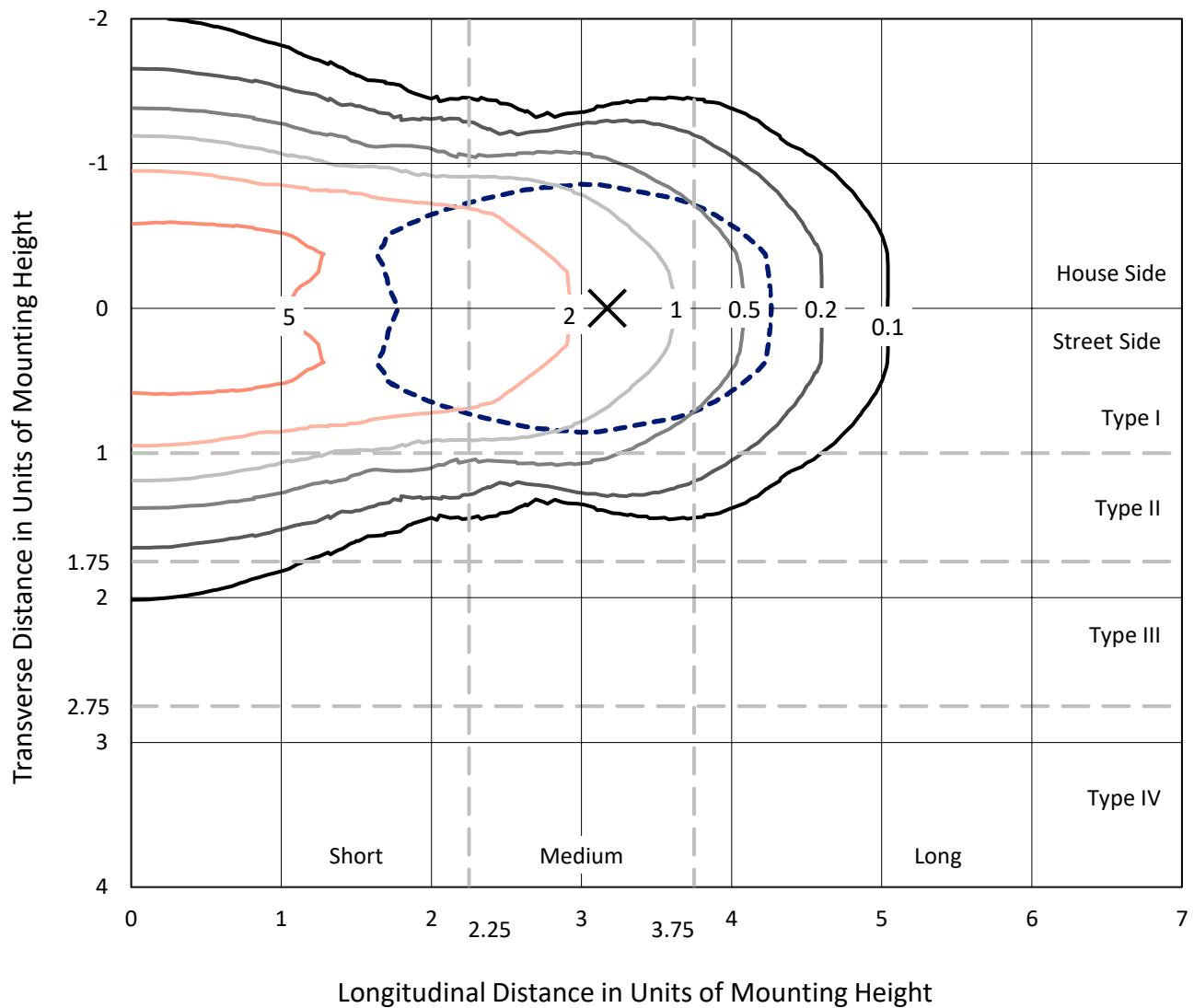


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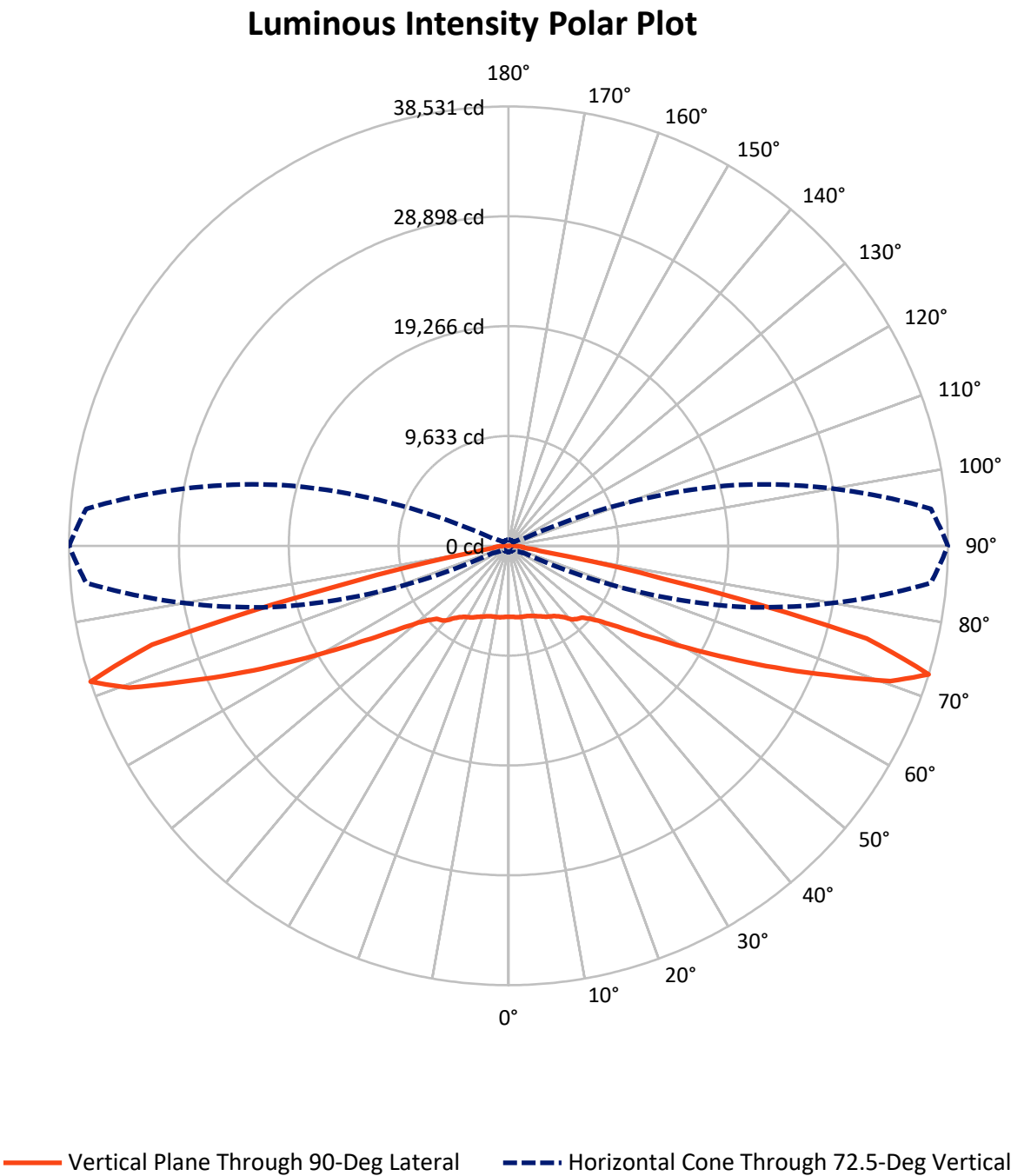
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc
 Type I - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16664.5	0.0	16664.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16664.5	0.0	16664.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	33329.0	0.0	33329.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	603.9	1.8
10°-20°	1846.4	5.5
20°-30°	3078.7	9.2
30°-40°	4234.1	12.7
40°-50°	5171.0	15.5
50°-60°	5980.9	17.9
60°-70°	7131.2	21.4
70°-80°	4977.1	14.9
80°-90°	305.7	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°	33329.0	100.0
0°-180°	33329.0	100.0

Coefficient of Utilization



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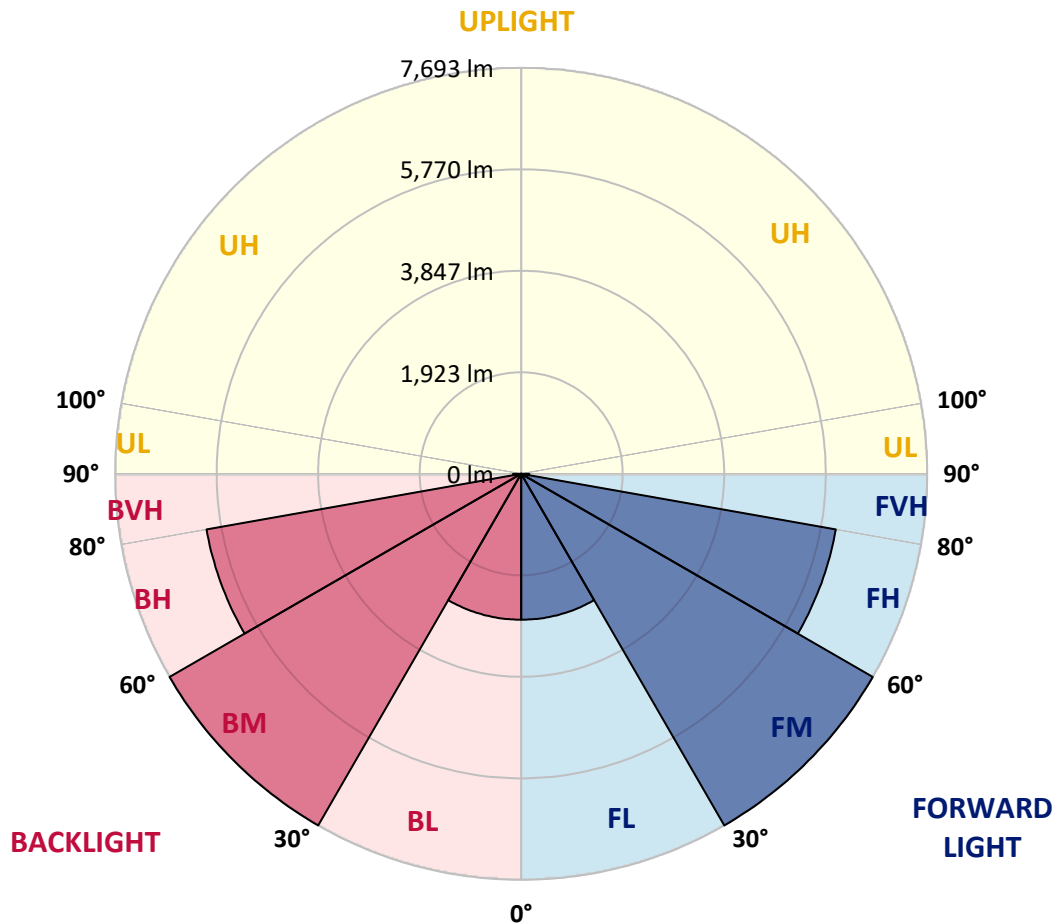
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2764.5	8.3			
FM	(30°-60°)	7693.0	23.1			
FH	(60°-80°)	6054.2	18.2			G3/7500
FVH	(80°-90°)	152.9	0.5			G2/225
BL	(0°-30°)	2764.5	8.3	B4/5000		
BM	(30°-60°)	7693.0	23.1	B4/8500		
BH	(60°-80°)	6054.2	18.2	B5		G5
BVH	(80°-90°)	152.9	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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6227.9	6227.9	6227.9	6227.9	6227.9	6227.9	6227.9	6227.9	6227.9	6227.9	6227.9
2.5°	6233.2	6240.3	6240.3	6235.0	6247.4	6236.7	6236.7	6231.4	6236.7	6231.4	6231.4
5°	6265.1	6273.9	6277.5	6275.7	6291.6	6282.8	6282.8	6275.7	6277.5	6272.2	6272.2
7.5°	6325.3	6337.7	6344.8	6353.6	6376.7	6366.0	6359.0	6337.7	6328.8	6314.7	6314.7
10°	6344.8	6359.0	6382.0	6428.0	6481.2	6482.9	6461.7	6408.5	6367.8	6335.9	6330.6
12.5°	6284.6	6304.0	6351.9	6445.7	6564.4	6612.2	6578.6	6490.0	6410.3	6353.6	6344.8
15°	6208.4	6229.6	6302.3	6444.0	6619.3	6730.9	6727.4	6610.5	6482.9	6394.4	6380.2
17.5°	6089.7	6111.0	6215.5	6413.9	6661.8	6846.1	6895.7	6775.2	6596.3	6477.6	6458.1
20°	5875.4	5894.9	6040.1	6318.2	6676.0	6968.3	7097.6	6991.3	6768.1	6606.9	6576.8
22.5°	5597.3	5627.4	5797.5	6153.5	6642.4	7095.8	7327.9	7255.2	6968.3	6745.1	6704.4
25°	5299.7	5331.6	5530.0	5951.6	6555.6	7187.9	7600.6	7554.6	7195.0	6916.9	6860.2
27.5°	5042.9	5076.5	5292.6	5751.4	6420.9	7223.3	7869.9	7892.9	7469.6	7106.4	7046.2
30°	4841.0	4872.8	5103.1	5590.2	6247.4	7187.9	8105.4	8264.9	7749.4	7271.2	7184.4
32.5°	4619.5	4660.3	4902.9	5393.6	6041.9	7102.9	8310.9	8666.9	8073.6	7448.3	7338.5
35°	4339.7	4376.9	4631.9	5124.4	5772.7	6966.5	8482.7	9113.3	8537.6	7717.5	7595.3
37.5°	3999.6	4035.0	4288.3	4787.8	5505.2	6775.2	8613.8	9616.4	9090.3	8105.4	7942.5
40°	3657.7	3691.4	3928.7	4412.3	5184.6	6530.8	8659.9	10108.8	9724.4	8638.6	8465.0
42.5°	3344.2	3374.3	3592.2	4042.1	4825.0	6219.0	8599.6	10537.4	10293.0	9010.6	8787.4
45°	3055.5	3082.1	3275.1	3694.9	4451.3	5840.0	8419.0	10998.0	10969.6	9276.3	8975.2
47.5°	2726.0	2752.6	2952.7	3358.4	4077.5	5395.4	8112.5	11451.4	11910.2	9878.5	9531.3
50°	2323.9	2347.0	2552.4	2970.5	3689.6	4922.4	7687.4	11807.5	13097.0	10790.7	10355.0
52.5°	1847.5	1872.3	2072.4	2490.4	3229.1	4414.1	7127.7	12039.5	14467.9	12122.7	11586.0
55°	1374.5	1392.2	1565.8	1941.3	2658.7	3834.9	6426.3	12105.0	16023.1	13943.6	13272.3
57.5°	997.2	1007.9	1119.5	1399.3	2015.7	3110.4	5574.3	11935.0	17874.1	16278.2	15433.3
60°	807.7	811.3	844.9	968.9	1401.1	2292.1	4545.1	11350.5	19882.8	19287.6	18223.1
62.5°	733.3	733.3	742.2	775.8	947.6	1512.7	3299.9	10138.9	22036.7	23090.6	21664.7
65°	681.9	681.9	685.5	701.4	747.5	963.6	2083.0	8165.7	23852.3	27545.4	25742.2
67.5°	635.9	637.7	635.9	641.2	667.8	712.1	1208.0	5639.8	24830.0	32161.4	30214.8
70°	588.1	591.6	582.8	582.8	604.0	605.8	756.3	3092.7	24018.8	36029.9	35518.0
72.5°	531.4	536.7	522.5	519.0	534.9	527.8	568.6	1484.3	20621.4	37184.8	38531.0
75°	481.8	488.9	457.0	448.1	448.1	442.8	462.3	761.7	13383.9	30333.4	32444.8
77.5°	437.5	451.7	400.3	372.0	364.9	348.9	377.3	465.9	5854.1	14241.2	13945.4
80°	361.3	380.8	329.5	295.8	283.4	265.7	297.6	325.9	1741.2	3307.0	3167.1
82.5°	269.2	278.1	233.8	210.8	200.2	187.8	223.2	226.7	566.8	1170.8	1323.2
85°	171.8	175.4	143.5	124.0	118.7	113.4	141.7	124.0	216.1	860.8	1250.5
87.5°	60.2	69.1	54.9	49.6	53.1	44.3	65.5	37.2	60.2	607.6	752.8
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)