

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: P939903

Luminaire Tested: **GALN-SB2D-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939903
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-SB2D-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 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: 16631 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 147.6
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

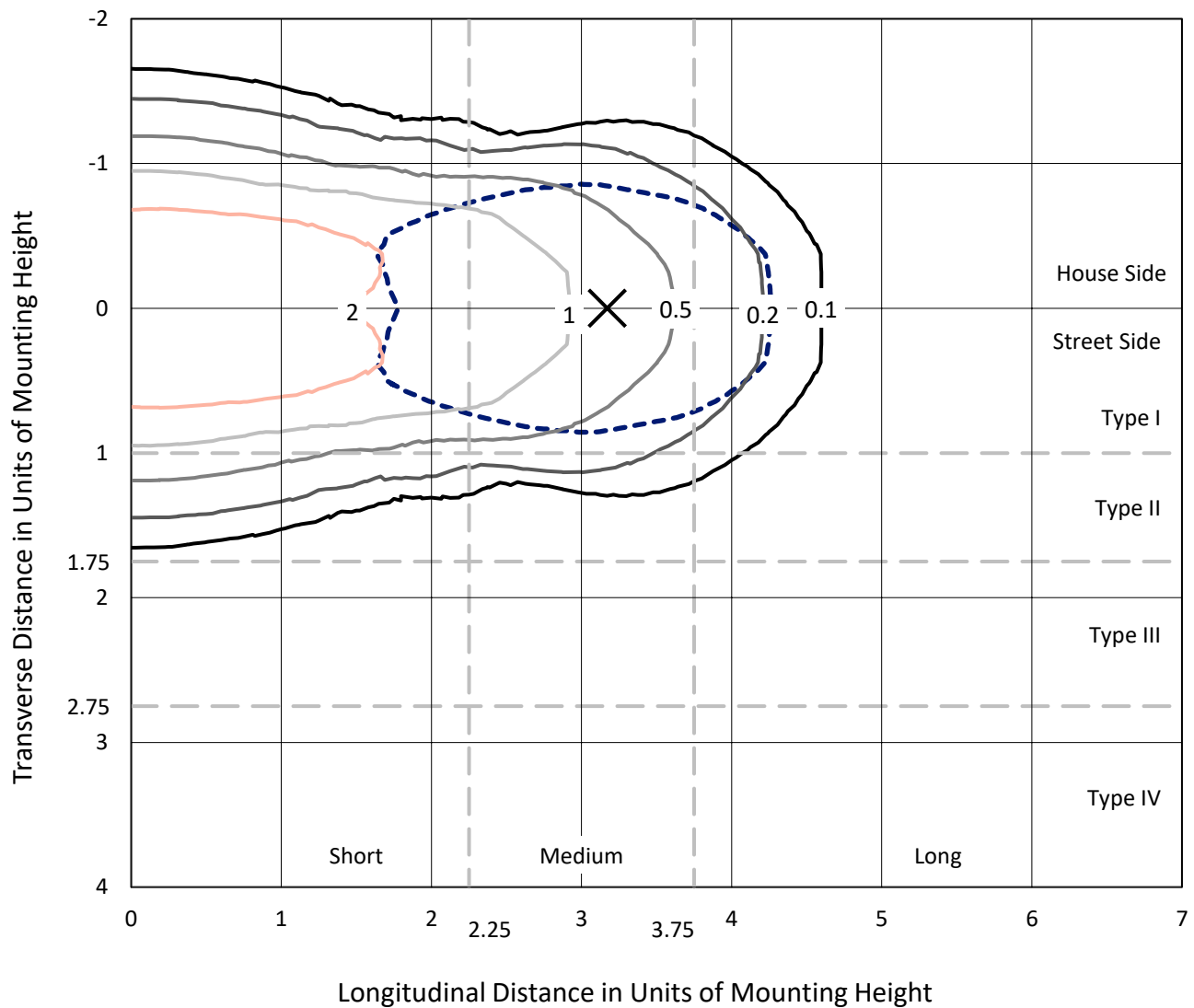


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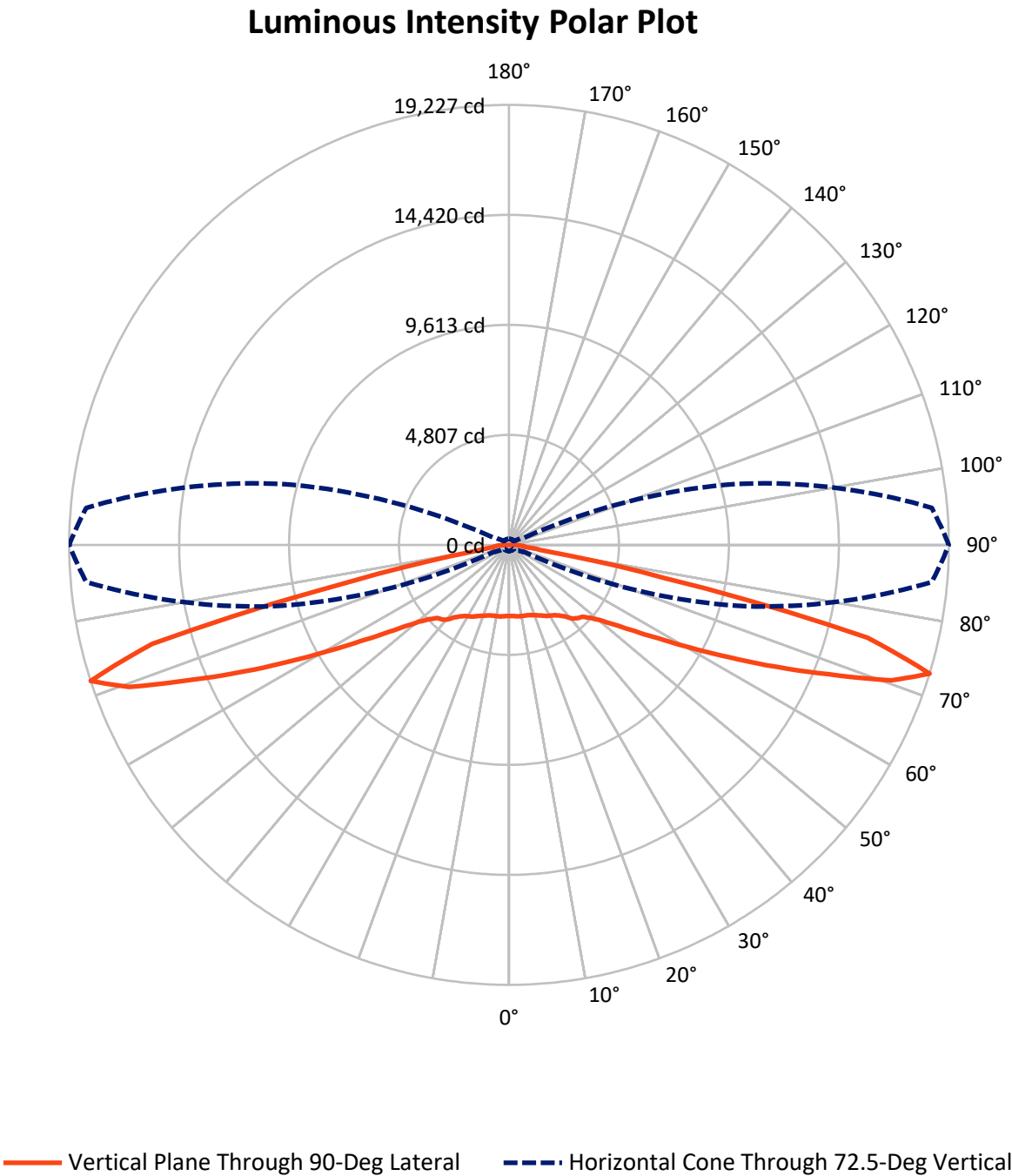
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
Type I - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8315.5	0.0	8315.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8315.5	0.0	8315.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16631.0	0.0	16631.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.3	1.8
10°-20°	921.3	5.5
20°-30°	1536.2	9.2
30°-40°	2112.8	12.7
40°-50°	2580.3	15.5
50°-60°	2984.4	17.9
60°-70°	3558.4	21.4
70°-80°	2483.6	14.9
80°-90°	152.5	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°	16631.0	100.0
0°-180°	16631.0	100.0

Coefficient of Utilization



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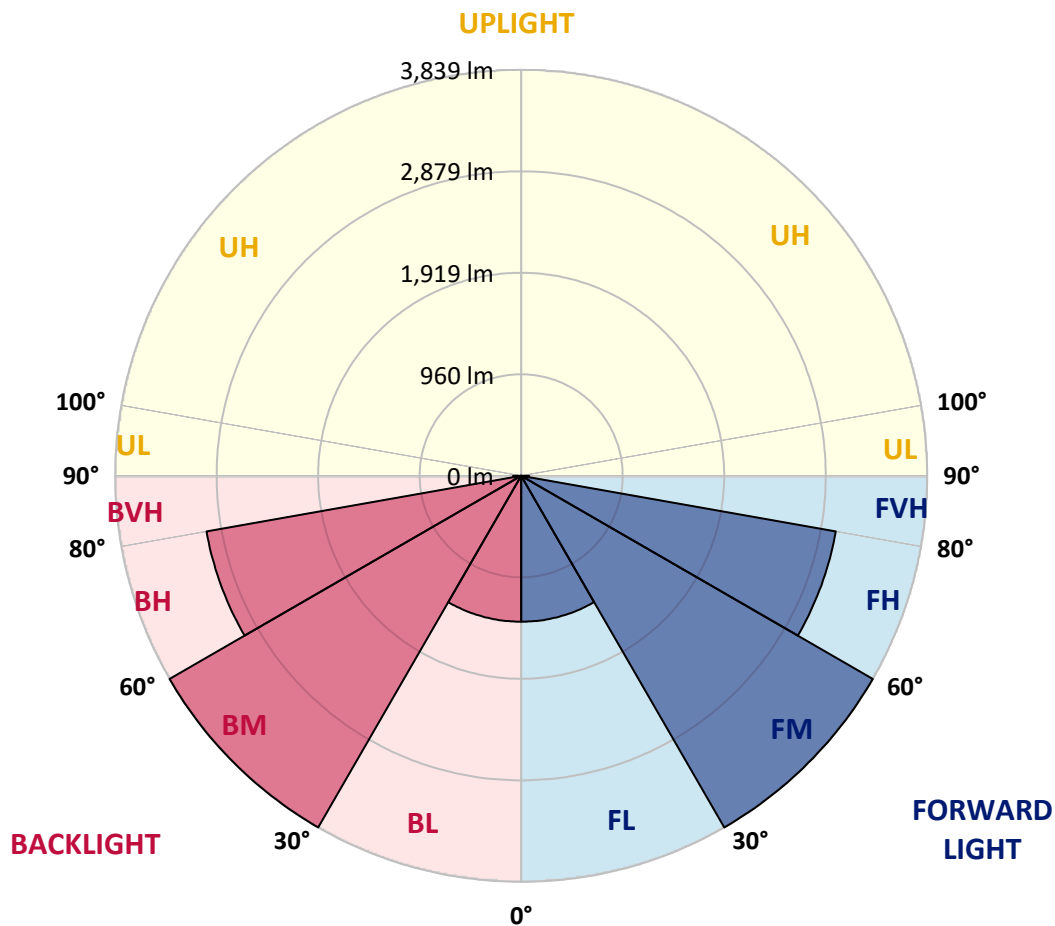
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1379.5	8.3			
FM	(30°-60°)	3838.8	23.1			
FH	(60°-80°)	3021.0	18.2			G2/5000
FVH	(80°-90°)	76.3	0.5			G1/100
BL	(0°-30°)	1379.5	8.3	B3/2500		
BM	(30°-60°)	3838.8	23.1	B3/5000		
BH	(60°-80°)	3021.0	18.2	B4/5000		G4/5000
BVH	(80°-90°)	76.3	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3107.7	3107.7	3107.7	3107.7	3107.7	3107.7	3107.7	3107.7	3107.7	3107.7	3107.7
2.5°	3110.3	3113.9	3113.9	3111.2	3117.4	3112.1	3112.1	3109.4	3112.1	3109.4	3109.4
5°	3126.2	3130.7	3132.4	3131.5	3139.5	3135.1	3135.1	3131.5	3132.4	3129.8	3129.8
7.5°	3156.3	3162.5	3166.0	3170.4	3181.9	3176.6	3173.1	3162.5	3158.1	3151.0	3151.0
10°	3166.0	3173.1	3184.6	3207.6	3234.1	3235.0	3224.3	3197.8	3177.5	3161.6	3158.9
12.5°	3136.0	3145.7	3169.5	3216.4	3275.6	3299.5	3282.7	3238.5	3198.7	3170.4	3166.0
15°	3098.0	3108.6	3144.8	3215.5	3303.0	3358.7	3356.9	3298.6	3235.0	3190.8	3183.7
17.5°	3038.7	3049.3	3101.5	3200.5	3324.2	3416.1	3440.9	3380.8	3291.5	3232.3	3222.6
20°	2931.8	2941.5	3014.0	3152.8	3331.3	3477.1	3541.7	3488.6	3377.3	3296.8	3281.8
22.5°	2793.0	2808.0	2892.9	3070.6	3314.5	3540.8	3656.6	3620.3	3477.1	3365.8	3345.4
25°	2644.5	2660.4	2759.4	2969.8	3271.2	3586.7	3792.7	3769.7	3590.3	3451.5	3423.2
27.5°	2516.4	2533.2	2641.0	2869.9	3204.0	3604.4	3927.0	3938.5	3727.3	3546.1	3516.0
30°	2415.6	2431.5	2546.4	2789.5	3117.4	3586.7	4044.6	4124.1	3866.9	3628.3	3585.0
32.5°	2305.1	2325.5	2446.5	2691.4	3014.9	3544.3	4147.1	4324.8	4028.7	3716.7	3661.9
35°	2165.5	2184.0	2311.3	2557.0	2880.5	3476.3	4232.8	4547.5	4260.2	3851.0	3790.0
37.5°	1995.8	2013.5	2139.8	2389.1	2747.1	3380.8	4298.2	4798.5	4536.0	4044.6	3963.3
40°	1825.2	1842.0	1960.4	2201.7	2587.1	3258.8	4321.2	5044.2	4852.4	4310.6	4224.0
42.5°	1668.7	1683.8	1792.5	2017.0	2407.7	3103.3	4291.2	5258.1	5136.2	4496.2	4384.9
45°	1524.7	1537.9	1634.3	1843.7	2221.2	2914.1	4201.0	5487.9	5473.8	4628.8	4478.6
47.5°	1360.3	1373.5	1473.4	1675.8	2034.7	2692.3	4048.1	5714.2	5943.1	4929.3	4756.1
50°	1159.6	1171.1	1273.7	1482.2	1841.1	2456.3	3836.0	5891.9	6535.3	5384.5	5167.1
52.5°	921.9	934.2	1034.1	1242.7	1611.3	2202.6	3556.7	6007.6	7219.4	6049.2	5781.4
55°	685.9	694.7	781.3	968.7	1326.7	1913.6	3206.7	6040.4	7995.5	6957.8	6622.8
57.5°	497.6	502.9	558.6	698.3	1005.8	1552.1	2781.5	5955.5	8919.1	8122.7	7701.1
60°	403.0	404.8	421.6	483.5	699.1	1143.7	2268.0	5663.8	9921.4	9624.4	9093.2
62.5°	365.9	365.9	370.3	387.1	472.9	754.8	1646.6	5059.3	10996.2	11522.1	10810.6
65°	340.3	340.3	342.1	350.0	373.0	480.8	1039.4	4074.6	11902.2	13745.0	12845.2
67.5°	317.3	318.2	317.3	320.0	333.2	355.3	602.8	2814.2	12390.1	16048.4	15077.0
70°	293.4	295.2	290.8	290.8	301.4	302.3	377.4	1543.2	11985.2	17978.7	17723.3
72.5°	265.2	267.8	260.7	259.0	266.9	263.4	283.7	740.7	10290.0	18555.0	19226.8
75°	240.4	243.9	228.0	223.6	223.6	221.0	230.7	380.1	6678.5	15136.2	16189.8
77.5°	218.3	225.4	199.8	185.6	182.1	174.1	188.3	232.5	2921.2	7106.3	6958.7
80°	180.3	190.0	164.4	147.6	141.4	132.6	148.5	162.6	868.8	1650.2	1580.4
82.5°	134.3	138.8	116.7	105.2	99.9	93.7	111.4	113.1	282.8	584.2	660.2
85°	85.7	87.5	71.6	61.9	59.2	56.6	70.7	61.9	107.8	429.6	624.0
87.5°	30.1	34.5	27.4	24.7	26.5	22.1	32.7	18.6	30.1	303.2	375.6
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)