

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: P940753

Luminaire Tested: **GALN-SB4A-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940753
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-SB4A-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14692 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 114
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



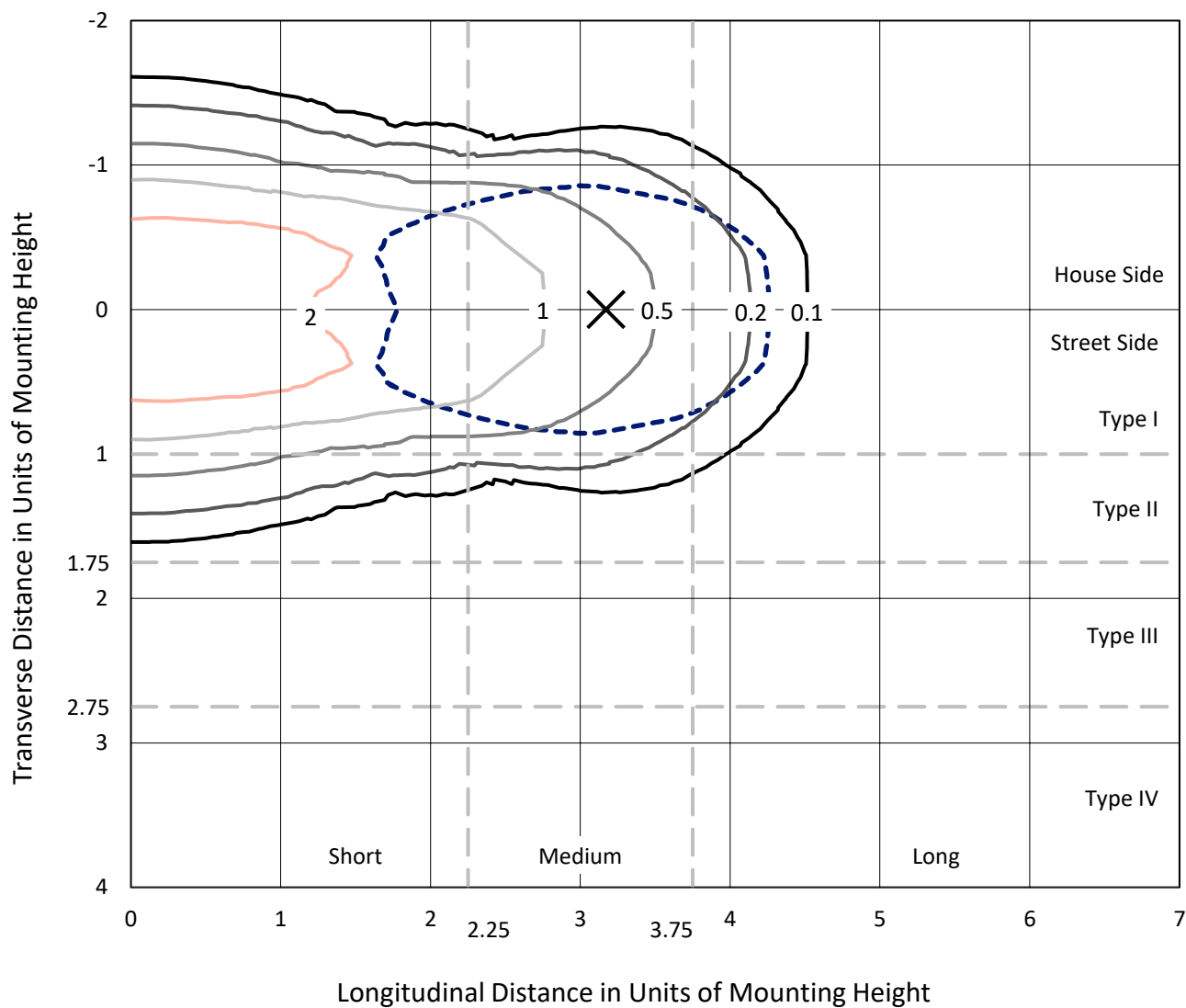
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

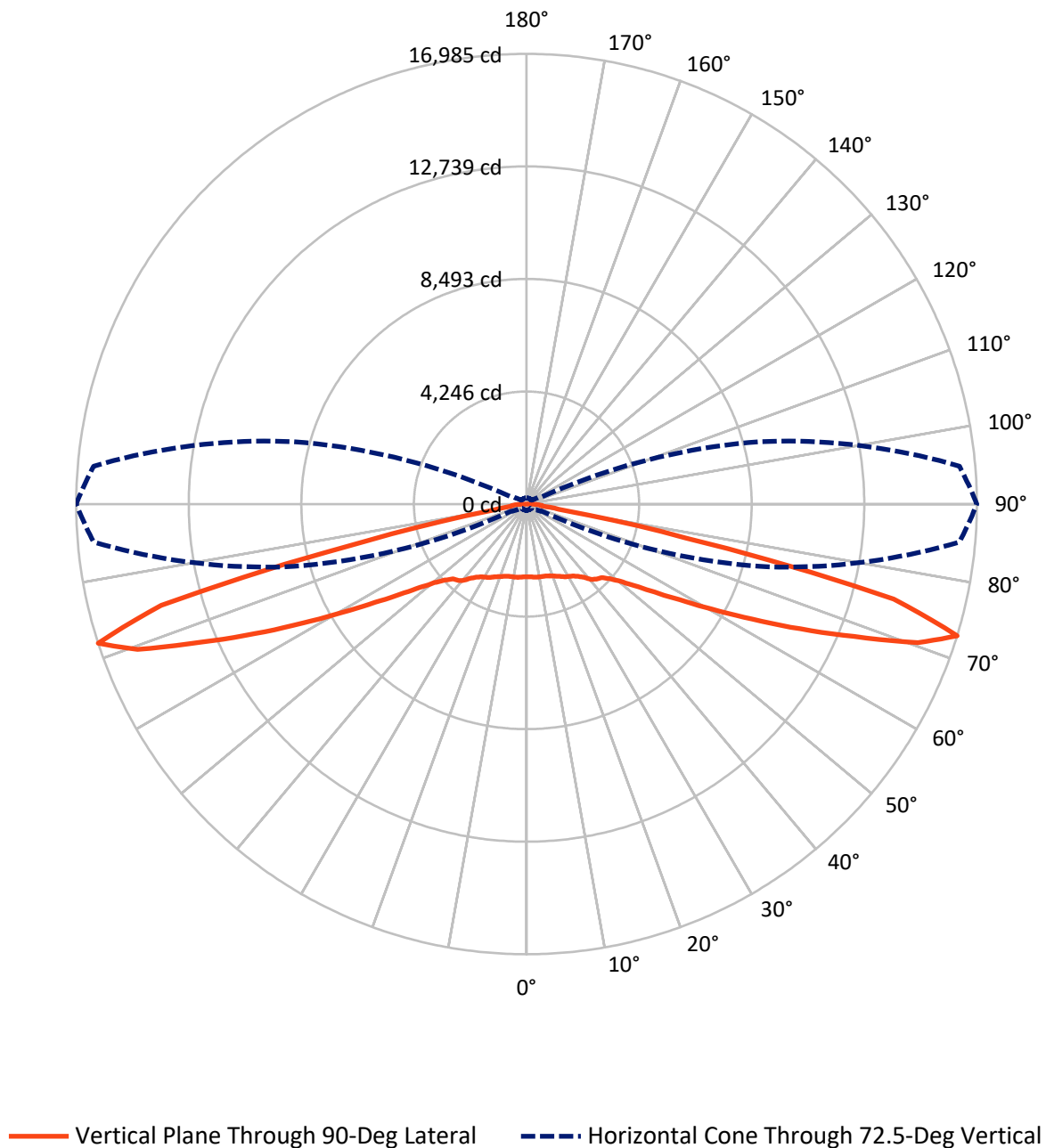


Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
Type I - Short - N/A

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Luminous Intensity Polar Plot



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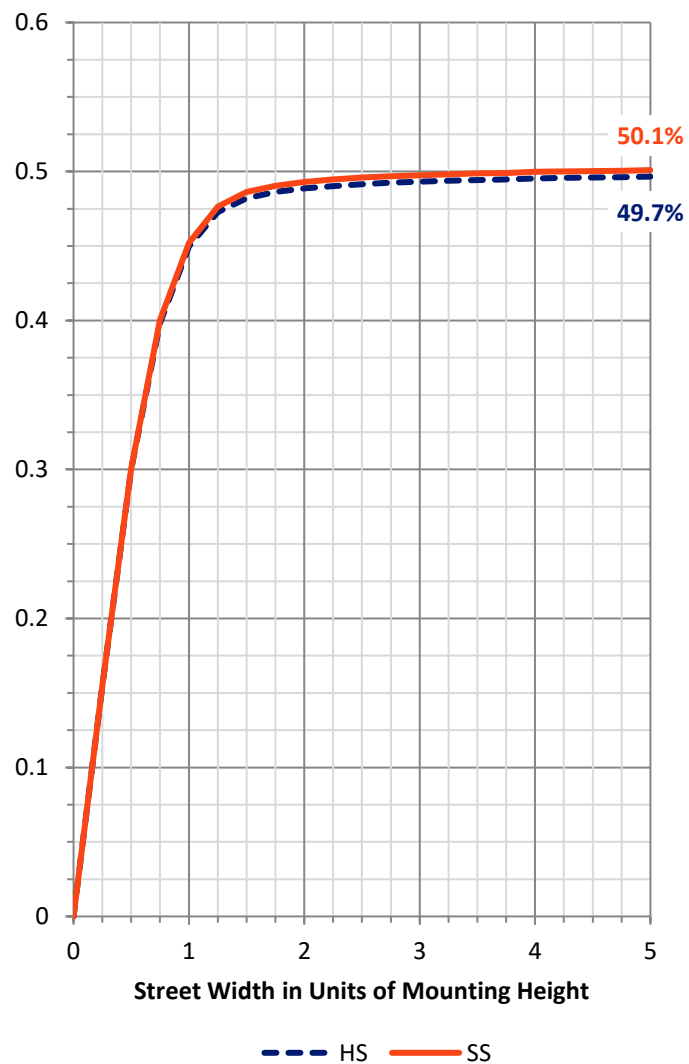
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7346.0	0.0	7346.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7346.0	0.0	7346.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14692.0	0.0	14692.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.2	1.8
10°-20°	813.9	5.5
20°-30°	1357.1	9.2
30°-40°	1866.5	12.7
40°-50°	2279.5	15.5
50°-60°	2636.5	17.9
60°-70°	3143.6	21.4
70°-80°	2194.0	14.9
80°-90°	134.8	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°	14692.0	100.0
0°-180°	14692.0	100.0

Coefficient of Utilization



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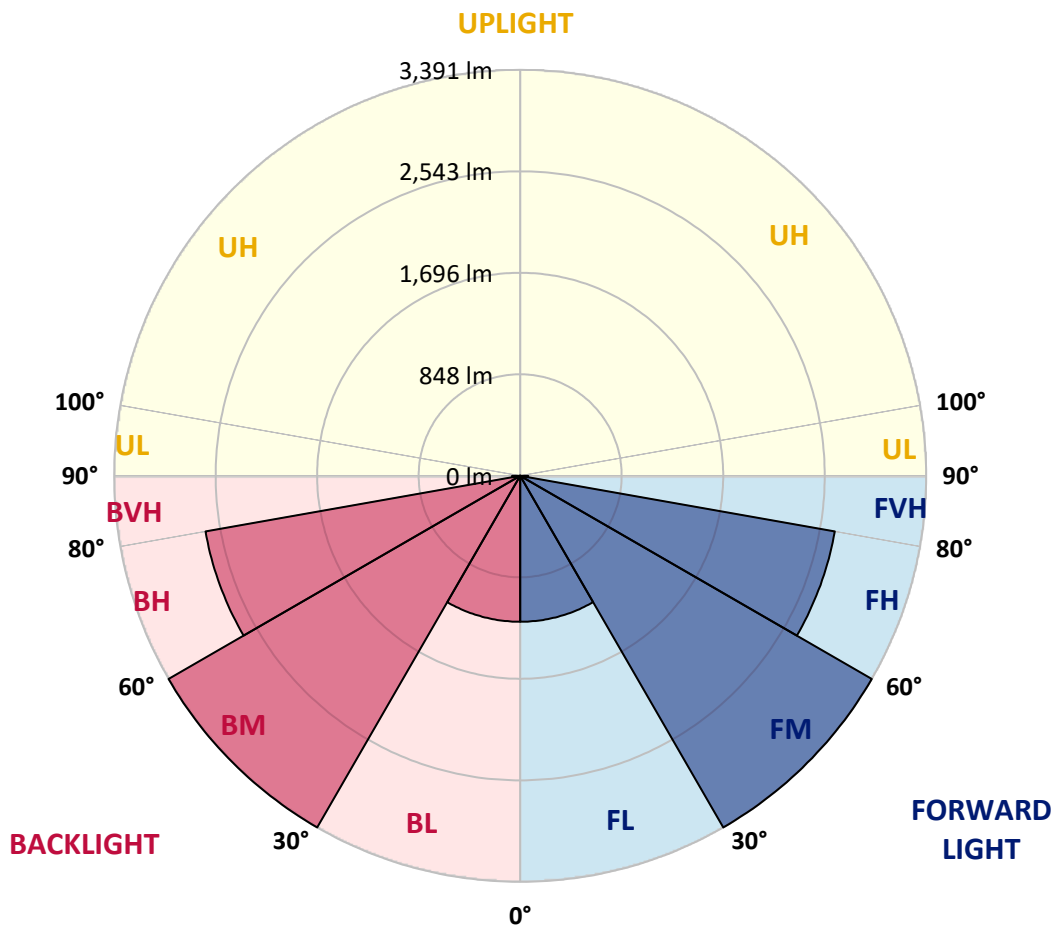
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1218.6	8.3			
FM	(30°-60°)	3391.2	23.1			
FH	(60°-80°)	2668.8	18.2			G2/5000
FVH	(80°-90°)	67.4	0.5			G1/100
BL	(0°-30°)	1218.6	8.3	B3/2500		
BM	(30°-60°)	3391.2	23.1	B3/5000		
BH	(60°-80°)	2668.8	18.2	B4/5000		G4/5000
BVH	(80°-90°)	67.4	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°	2745.4	2745.4	2745.4	2745.4	2745.4	2745.4	2745.4	2745.4	2745.4	2745.4	2745.4
2.5°	2747.7	2750.8	2750.8	2748.5	2753.9	2749.3	2749.3	2746.9	2749.3	2746.9	2746.9
5°	2761.8	2765.7	2767.2	2766.4	2773.5	2769.6	2769.6	2766.4	2767.2	2764.9	2764.9
7.5°	2788.3	2793.8	2796.9	2800.8	2810.9	2806.3	2803.1	2793.8	2789.9	2783.6	2783.6
10°	2796.9	2803.1	2813.3	2833.6	2857.0	2857.8	2848.4	2825.0	2807.0	2793.0	2790.6
12.5°	2770.3	2778.9	2800.0	2841.4	2893.7	2914.8	2900.0	2860.9	2825.8	2800.8	2796.9
15°	2736.8	2746.1	2778.1	2840.6	2917.9	2967.1	2965.5	2914.0	2857.8	2818.8	2812.5
17.5°	2684.5	2693.8	2739.9	2827.3	2936.7	3017.9	3039.7	2986.6	2907.8	2855.5	2846.9
20°	2590.0	2598.6	2662.6	2785.2	2942.9	3071.7	3128.7	3081.9	2983.5	2912.5	2899.2
22.5°	2467.4	2480.7	2555.6	2712.6	2928.1	3128.0	3230.2	3198.2	3071.7	2973.4	2955.4
25°	2336.2	2350.3	2437.7	2623.5	2889.8	3168.6	3350.5	3330.2	3171.7	3049.1	3024.1
27.5°	2223.0	2237.8	2333.1	2535.3	2830.5	3184.2	3469.2	3479.3	3292.7	3132.6	3106.1
30°	2134.0	2148.0	2249.5	2464.3	2753.9	3168.6	3573.0	3643.3	3416.1	3205.3	3167.0
32.5°	2036.4	2054.3	2161.3	2377.6	2663.4	3131.1	3663.6	3820.5	3559.0	3283.3	3234.9
35°	1913.0	1929.4	2041.8	2258.9	2544.7	3071.0	3739.3	4017.3	3763.5	3402.0	3348.1
37.5°	1763.1	1778.7	1890.4	2110.6	2426.8	2986.6	3797.1	4239.1	4007.2	3573.0	3501.2
40°	1612.4	1627.2	1731.9	1945.0	2285.5	2878.9	3817.4	4456.1	4286.7	3808.0	3731.5
42.5°	1474.2	1487.5	1583.5	1781.8	2126.9	2741.5	3790.9	4645.1	4537.3	3972.0	3873.6
45°	1346.9	1358.6	1443.7	1628.8	1962.2	2574.4	3711.2	4848.1	4835.6	4089.1	3956.4
47.5°	1201.7	1213.4	1301.6	1480.4	1797.4	2378.4	3576.1	5048.0	5250.2	4354.6	4201.6
50°	1024.4	1034.6	1125.2	1309.4	1626.4	2169.9	3388.7	5204.9	5773.4	4756.7	4564.7
52.5°	814.4	825.3	913.6	1097.8	1423.4	1945.8	3142.0	5307.2	6377.7	5343.9	5107.3
55°	605.9	613.7	690.2	855.8	1172.0	1690.5	2832.8	5336.1	7063.3	6146.6	5850.7
57.5°	439.6	444.3	493.5	616.8	888.6	1371.1	2457.2	5261.2	7879.2	7175.7	6803.3
60°	356.1	357.6	372.5	427.1	617.6	1010.4	2003.6	5003.5	8764.7	8502.3	8033.1
62.5°	323.3	323.3	327.2	342.0	417.7	666.8	1454.7	4469.4	9714.2	10178.7	9550.2
65°	300.6	300.6	302.2	309.2	329.5	424.8	918.2	3599.6	10514.5	12142.5	11347.6
67.5°	280.3	281.1	280.3	282.7	294.4	313.9	532.5	2486.1	10945.5	14177.3	13319.2
70°	259.2	260.8	256.9	256.9	266.3	267.0	333.4	1363.3	10587.9	15882.6	15657.0
72.5°	234.2	236.6	230.3	228.8	235.8	232.7	250.6	654.3	9090.3	16391.7	16985.1
75°	212.4	215.5	201.5	197.5	197.5	195.2	203.8	335.8	5899.9	13371.5	14302.2
77.5°	192.9	199.1	176.5	164.0	160.8	153.8	166.3	205.4	2580.6	6277.8	6147.4
80°	159.3	167.9	145.2	130.4	124.9	117.1	131.2	143.7	767.5	1457.8	1396.1
82.5°	118.7	122.6	103.1	92.9	88.2	82.8	98.4	99.9	249.9	516.1	583.3
85°	75.7	77.3	63.2	54.7	52.3	50.0	62.5	54.7	95.3	379.5	551.3
87.5°	26.5	30.5	24.2	21.9	23.4	19.5	28.9	16.4	26.5	267.8	331.8
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)