

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: P940903

Luminaire Tested: **GALN-SB4A-940-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940903
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-940-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12888 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

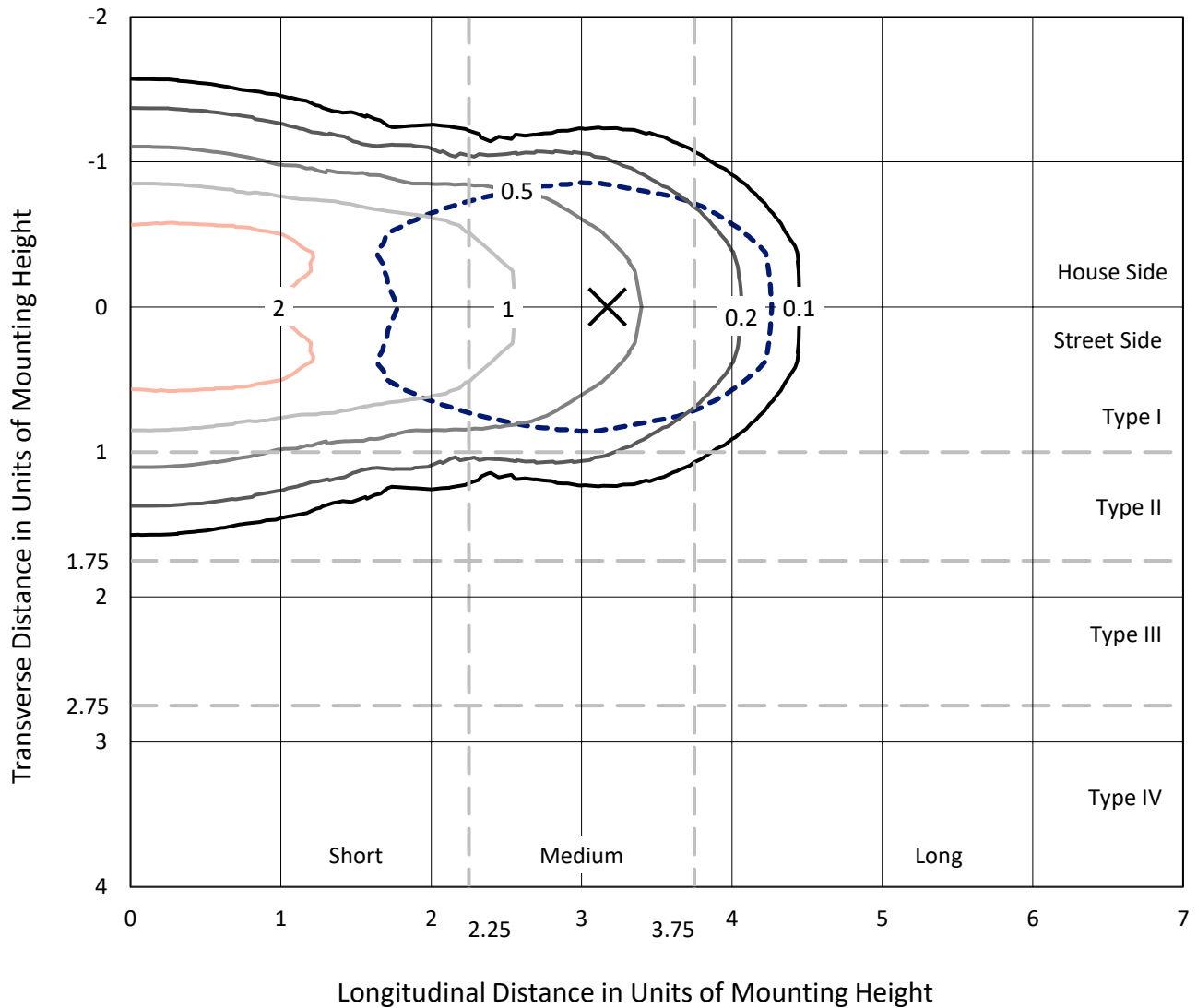
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

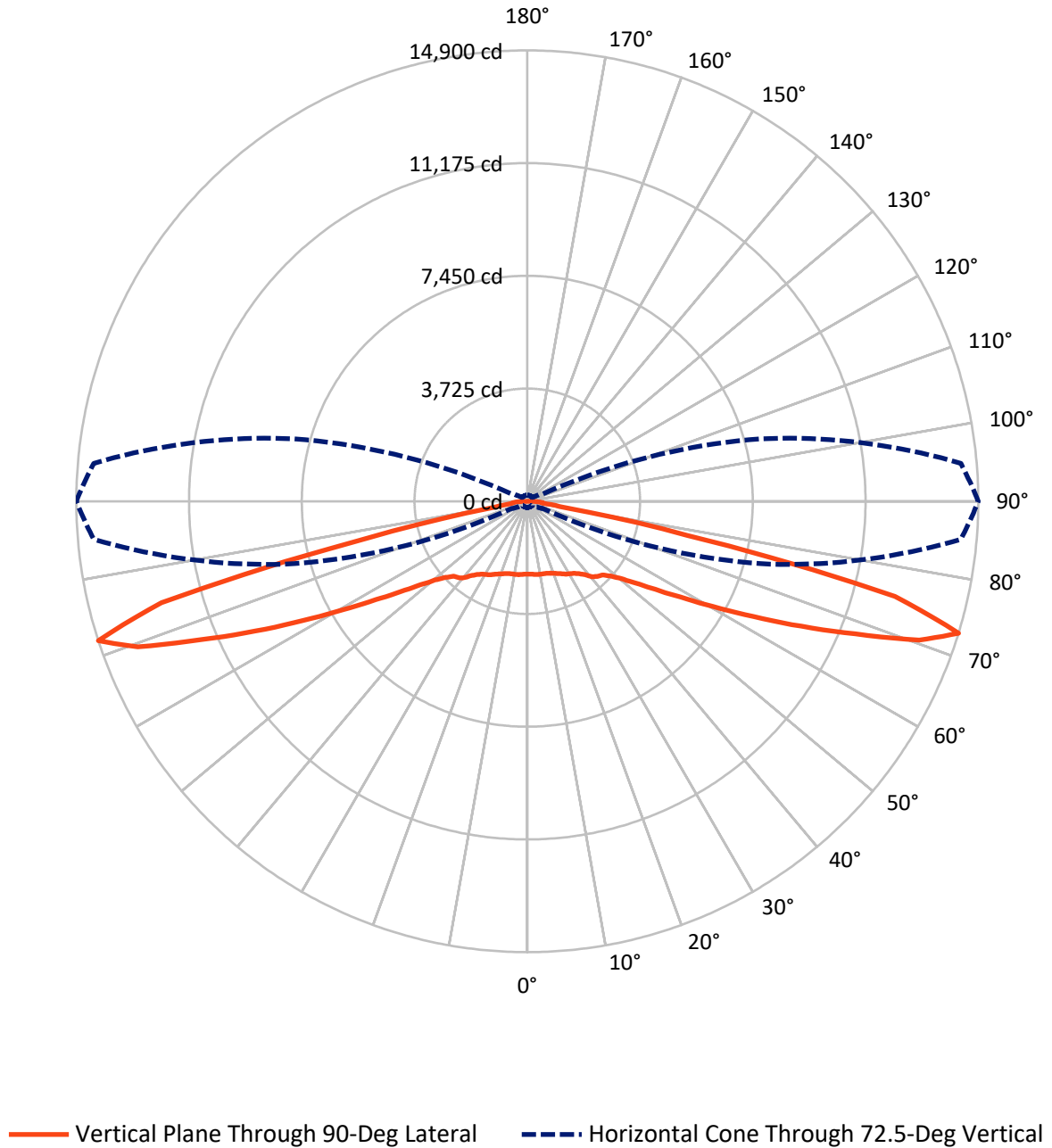
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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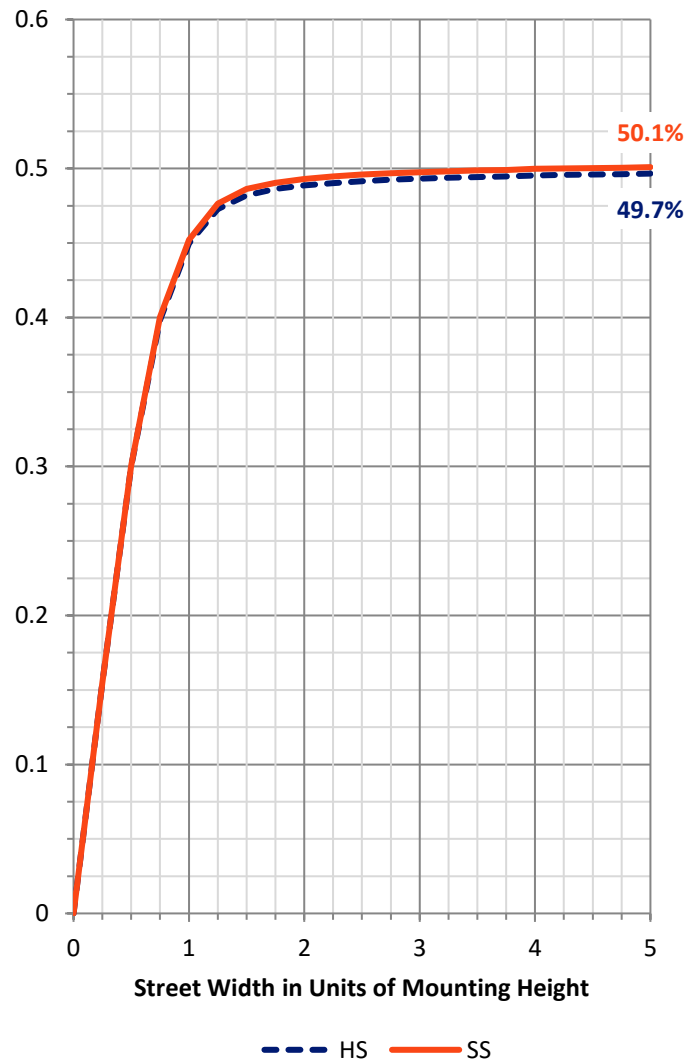
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6444.0	0.0	6444.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6444.0	0.0	6444.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12888.0	0.0	12888.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.5	1.8
10°-20°	714.0	5.5
20°-30°	1190.5	9.2
30°-40°	1637.3	12.7
40°-50°	1999.6	15.5
50°-60°	2312.7	17.9
60°-70°	2757.6	21.4
70°-80°	1924.6	14.9
80°-90°	118.2	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°	12888.0	100.0
0°-180°	12888.0	100.0



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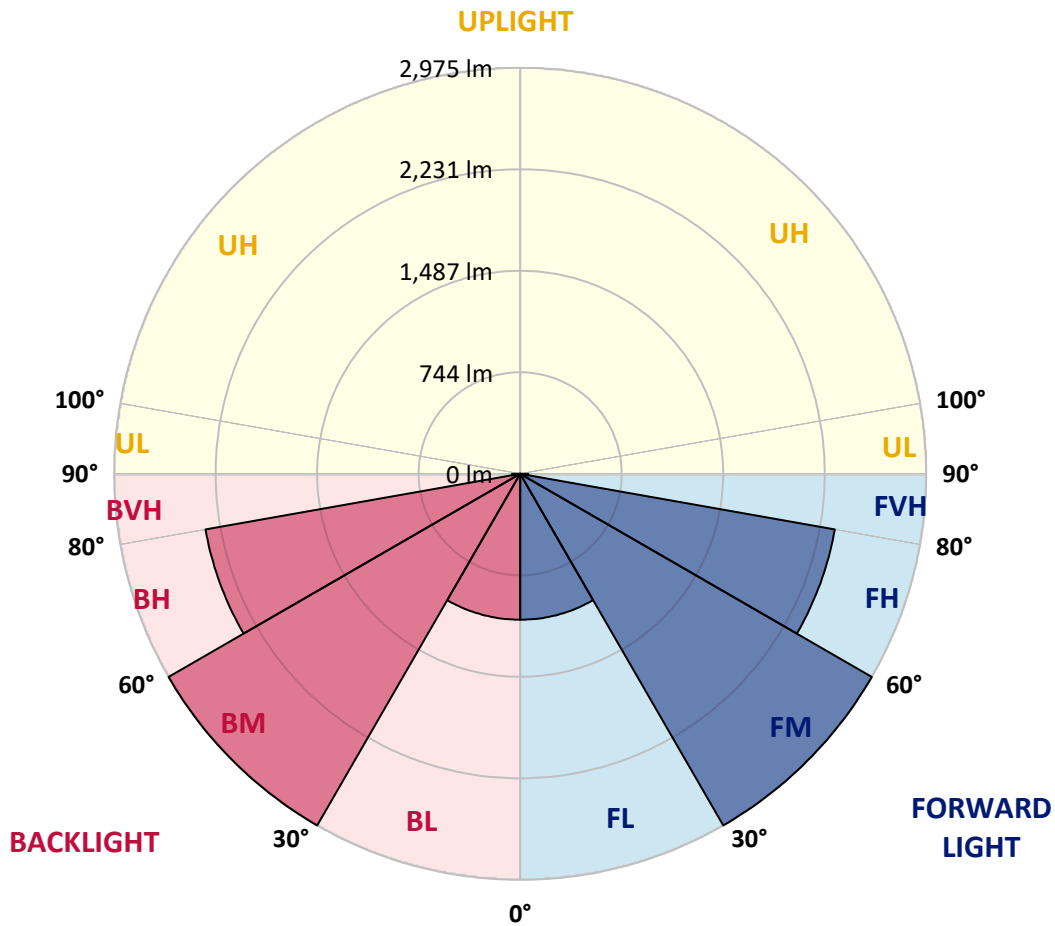
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1069.0	8.3			
FM (30°-60°)	2974.8	23.1			
FH (60°-80°)	2341.1	18.2			G2/5000
FVH (80°-90°)	59.1	0.5			G1/100
BL (0°-30°)	1069.0	8.3	B3/2500		
BM (30°-60°)	2974.8	23.1	B3/5000		
BH (60°-80°)	2341.1	18.2	B3/2500		G3/2500
BVH (80°-90°)	59.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2408.3	2408.3	2408.3	2408.3	2408.3	2408.3	2408.3	2408.3	2408.3	2408.3
2.5°	2410.3	2413.1	2413.1	2411.0	2415.8	2411.7	2411.7	2409.6	2411.7	2409.6
5°	2422.6	2426.1	2427.4	2426.8	2432.9	2429.5	2429.5	2426.8	2427.4	2425.4
7.5°	2445.9	2450.7	2453.5	2456.9	2465.8	2461.7	2458.9	2450.7	2447.3	2441.8
10°	2453.5	2458.9	2467.8	2485.7	2506.2	2506.9	2498.7	2478.1	2462.4	2450.0
12.5°	2430.2	2437.7	2456.2	2492.5	2538.4	2556.9	2543.9	2509.6	2478.8	2456.9
15°	2400.7	2408.9	2437.0	2491.8	2559.6	2602.8	2601.4	2556.2	2506.9	2472.6
17.5°	2354.8	2363.1	2403.5	2480.2	2576.1	2647.3	2666.5	2619.9	2550.7	2504.8
20°	2272.0	2279.5	2335.7	2443.2	2581.5	2694.6	2744.6	2703.5	2617.2	2554.8
22.5°	2164.4	2176.1	2241.8	2379.5	2568.5	2743.9	2833.6	2805.5	2694.6	2608.3
25°	2049.3	2061.7	2138.4	2301.4	2535.0	2779.5	2939.1	2921.3	2782.2	2674.7
27.5°	1950.0	1963.0	2046.6	2224.0	2482.9	2793.2	3043.2	3052.1	2888.4	2748.0
30°	1871.9	1884.3	1973.3	2161.7	2415.8	2779.5	3134.3	3195.9	2996.6	2811.7
32.5°	1786.3	1802.1	1895.9	2085.7	2336.3	2746.6	3213.8	3351.4	3122.0	2880.2
35°	1678.1	1692.5	1791.1	1981.5	2232.2	2693.9	3280.2	3524.0	3301.4	2984.3
37.5°	1546.6	1560.3	1658.2	1851.4	2128.8	2619.9	3330.9	3718.6	3515.1	3134.3
40°	1414.4	1427.4	1519.2	1706.2	2004.8	2525.4	3348.7	3909.0	3760.3	3340.5
42.5°	1293.2	1304.8	1389.1	1563.0	1865.8	2404.8	3325.4	4074.7	3980.2	3484.3
45°	1181.5	1191.8	1266.5	1428.8	1721.3	2258.3	3255.5	4252.8	4241.9	3587.0
47.5°	1054.1	1064.4	1141.8	1298.7	1576.7	2086.3	3137.0	4428.2	4605.6	3819.9
50°	898.6	907.5	987.0	1148.6	1426.7	1903.5	2972.7	4565.8	5064.5	4172.7
52.5°	714.4	724.0	801.4	963.0	1248.7	1706.9	2756.2	4655.6	5594.6	4687.7
55°	531.5	538.4	605.5	750.7	1028.1	1482.9	2485.0	4680.9	6196.0	5391.9
57.5°	385.6	389.7	432.9	541.1	779.5	1202.8	2155.5	4615.1	6911.8	6294.6
60°	312.3	313.7	326.7	374.7	541.8	886.3	1757.6	4389.1	7688.5	7458.3
62.5°	283.6	283.6	287.0	300.0	366.4	584.9	1276.0	3920.6	8521.4	8928.9
65°	263.7	263.7	265.1	271.2	289.0	372.6	805.5	3157.6	9223.4	10651.5
67.5°	245.9	246.6	245.9	247.9	258.2	275.3	467.1	2180.9	9601.5	12436.5
70°	227.4	228.8	225.3	225.3	233.6	234.3	292.5	1195.9	9287.8	13932.4
72.5°	205.5	207.5	202.1	200.7	206.9	204.1	219.9	574.0	7974.1	14379.0
75°	186.3	189.0	176.7	173.3	173.3	171.2	178.8	294.5	5175.4	11729.6
77.5°	169.2	174.7	154.8	143.8	141.1	134.9	145.9	180.1	2263.7	5506.9
80°	139.7	147.3	127.4	114.4	109.6	102.7	115.1	126.0	673.3	1278.8
82.5°	104.1	107.5	90.4	81.5	77.4	72.6	86.3	87.7	219.2	452.7
85°	66.4	67.8	55.5	47.9	45.9	43.8	54.8	47.9	83.6	332.9
87.5°	23.3	26.7	21.2	19.2	20.5	17.1	25.3	14.4	23.3	234.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2408.3
2409.6
2425.4
2441.8
2448.0
2453.5
2467.2
2497.3
2543.2
2592.5
2652.8
2724.7
2778.1
2837.7
2937.0
3071.3
3273.3
3398.0
3470.6
3685.7
4004.2
4480.2
5132.3
5967.9
7046.7
8377.5
9954.3
11683.8
13734.5
14899.6
12546.1
5392.6
1224.7
511.7
483.6
291.1
0.0

OF REPORT)