

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: P940023

Luminaire Tested: **GALN-SB2D-927-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940023
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-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12254 lumens
Efficiency: N/A
Efficacy: 83.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

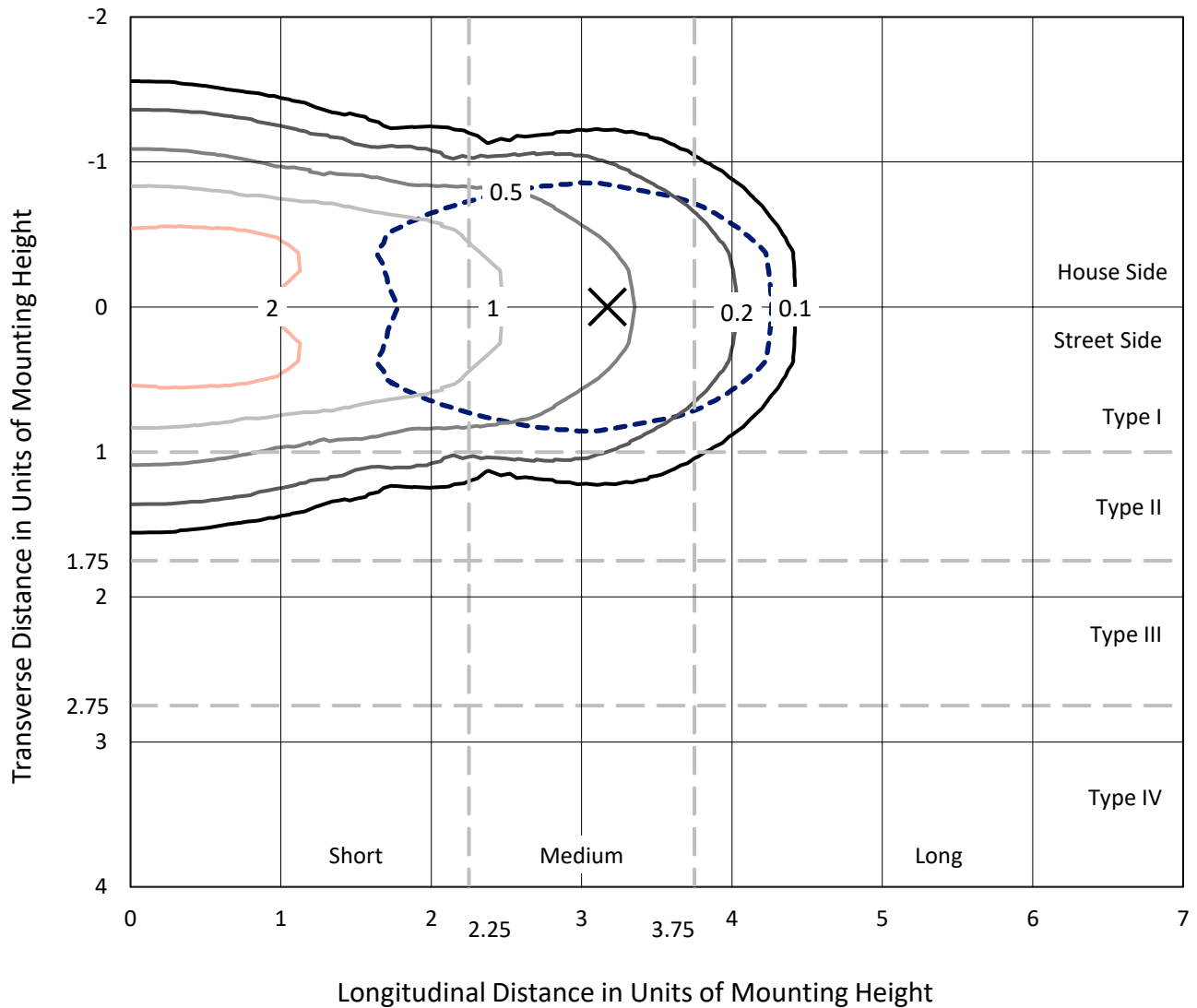
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

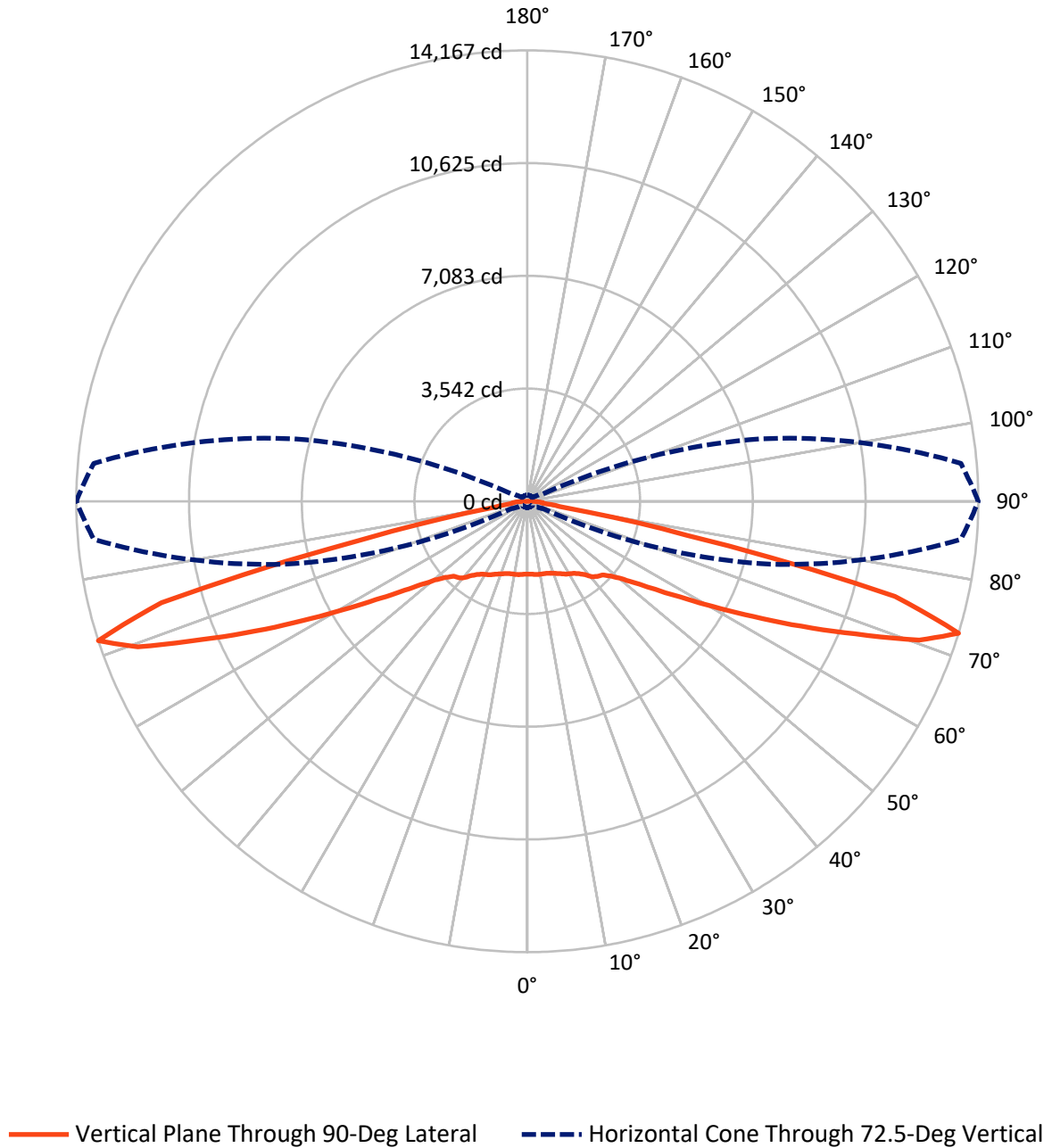
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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	6127.0	0.0	6127.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6127.0	0.0	6127.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12254.0	0.0	12254.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.0	1.8
10°-20°	678.9	5.5
20°-30°	1131.9	9.2
30°-40°	1556.8	12.7
40°-50°	1901.2	15.5
50°-60°	2199.0	17.9
60°-70°	2621.9	21.4
70°-80°	1829.9	14.9
80°-90°	112.4	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°	12254.0	100.0
0°-180°	12254.0	100.0

Coefficient of Utilization



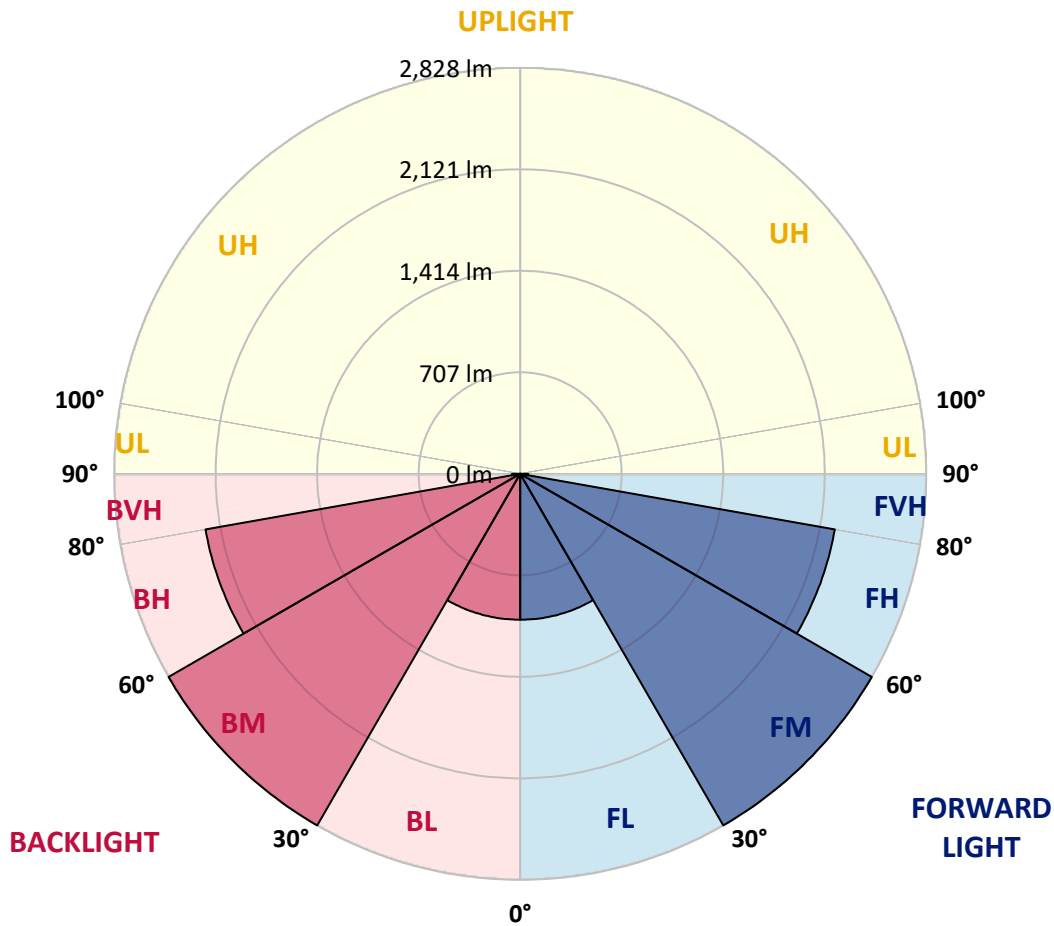
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1016.4	8.3			
FM	(30°-60°)	2828.5	23.1			
FH	(60°-80°)	2225.9	18.2			G2/5000
FVH	(80°-90°)	56.2	0.5			G1/100
BL	(0°-30°)	1016.4	8.3	B3/2500		
BM	(30°-60°)	2828.5	23.1	B3/5000		
BH	(60°-80°)	2225.9	18.2	B3/2500		G3/2500
BVH	(80°-90°)	56.2	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°	2289.8	2289.8	2289.8	2289.8	2289.8	2289.8	2289.8	2289.8	2289.8	2289.8
2.5°	2291.7	2294.3	2294.3	2292.4	2297.0	2293.0	2293.0	2291.1	2293.0	2291.1
5°	2303.5	2306.7	2308.0	2307.4	2313.2	2310.0	2310.0	2307.4	2308.0	2306.1
7.5°	2325.6	2330.2	2332.8	2336.0	2344.5	2340.6	2338.0	2330.2	2326.9	2321.7
10°	2332.8	2338.0	2346.4	2363.4	2382.9	2383.6	2375.8	2356.2	2341.2	2329.5
12.5°	2310.6	2317.8	2335.4	2369.9	2413.5	2431.1	2418.7	2386.2	2356.9	2336.0
15°	2282.6	2290.4	2317.1	2369.2	2433.7	2474.7	2473.4	2430.5	2383.6	2351.0
17.5°	2239.0	2246.8	2285.2	2358.2	2449.3	2517.1	2535.3	2491.0	2425.2	2381.6
20°	2160.2	2167.4	2220.8	2323.0	2454.6	2562.0	2609.6	2570.5	2488.4	2429.2
22.5°	2057.9	2069.0	2131.5	2262.4	2442.2	2608.9	2694.2	2667.5	2562.0	2480.0
25°	1948.5	1960.3	2033.2	2188.2	2410.3	2642.8	2794.5	2777.6	2645.4	2543.1
27.5°	1854.1	1866.5	1945.9	2114.6	2360.8	2655.8	2893.5	2902.0	2746.3	2612.8
30°	1779.9	1791.6	1876.2	2055.3	2297.0	2642.8	2980.1	3038.7	2849.2	2673.4
32.5°	1698.5	1713.4	1802.7	1983.1	2221.4	2611.5	3055.7	3186.6	2968.4	2738.5
35°	1595.6	1609.2	1703.0	1884.1	2122.4	2561.4	3118.8	3350.7	3139.0	2837.5
37.5°	1470.5	1483.5	1576.7	1760.3	2024.1	2491.0	3167.0	3535.6	3342.2	2980.1
40°	1344.8	1357.2	1444.5	1622.3	1906.2	2401.2	3184.0	3716.7	3575.4	3176.1
42.5°	1229.6	1240.6	1320.7	1486.1	1774.0	2286.5	3161.8	3874.3	3784.4	3312.9
45°	1123.4	1133.2	1204.2	1358.5	1636.6	2147.2	3095.4	4043.6	4033.2	3410.6
47.5°	1002.3	1012.0	1085.6	1234.8	1499.2	1983.7	2982.7	4210.3	4379.0	3632.0
50°	854.4	862.9	938.4	1092.1	1356.6	1809.8	2826.4	4341.2	4815.3	3967.4
52.5°	679.3	688.4	762.0	915.7	1187.2	1622.9	2620.6	4426.5	5319.4	4457.1
55°	505.4	511.9	575.7	713.8	977.5	1410.0	2362.7	4450.6	5891.2	5126.6
57.5°	366.7	370.6	411.6	514.5	741.1	1143.6	2049.5	4388.1	6571.7	5985.0
60°	297.0	298.3	310.6	356.2	515.1	842.7	1671.1	4173.2	7310.3	7091.4
62.5°	269.6	269.6	272.9	285.2	348.4	556.2	1213.3	3727.7	8102.2	8489.7
65°	250.7	250.7	252.0	257.9	274.8	354.3	765.9	3002.3	8769.7	10127.6
67.5°	233.8	234.4	233.8	235.8	245.5	261.8	444.2	2073.6	9129.2	11824.7
70°	216.2	217.5	214.3	214.3	222.1	222.7	278.1	1137.1	8830.9	13247.0
72.5°	195.4	197.3	192.1	190.8	196.7	194.1	209.1	545.7	7581.8	13671.7
75°	177.1	179.7	168.0	164.8	164.8	162.8	170.0	280.0	4920.8	11152.6
77.5°	160.9	166.1	147.2	136.8	134.2	128.3	138.7	171.3	2152.4	5236.0
80°	132.9	140.0	121.1	108.8	104.2	97.7	109.4	119.8	640.2	1215.9
82.5°	99.0	102.2	86.0	77.5	73.6	69.0	82.1	83.4	208.4	430.5
85°	63.2	64.5	52.8	45.6	43.6	41.7	52.1	45.6	79.5	316.5
87.5°	22.1	25.4	20.2	18.2	19.5	16.3	24.1	13.7	22.1	223.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2289.8
2291.1
2306.1
2321.7
2327.6
2332.8
2345.8
2374.5
2418.1
2465.0
2522.3
2590.7
2641.5
2698.1
2792.6
2920.2
3112.3
3230.8
3299.9
3504.4
3807.2
4259.8
4879.8
5674.3
6700.0
7965.4
9464.6
11109.0
13058.8
14166.6
11928.9
5127.3
1164.4
486.5
459.8
276.8
0.0

OF REPORT)