

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: P941553

Luminaire Tested: **GALN-SB5A-927-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941553  
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-SB5A-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13645 lumens  
Efficiency: N/A  
Efficacy: 96.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

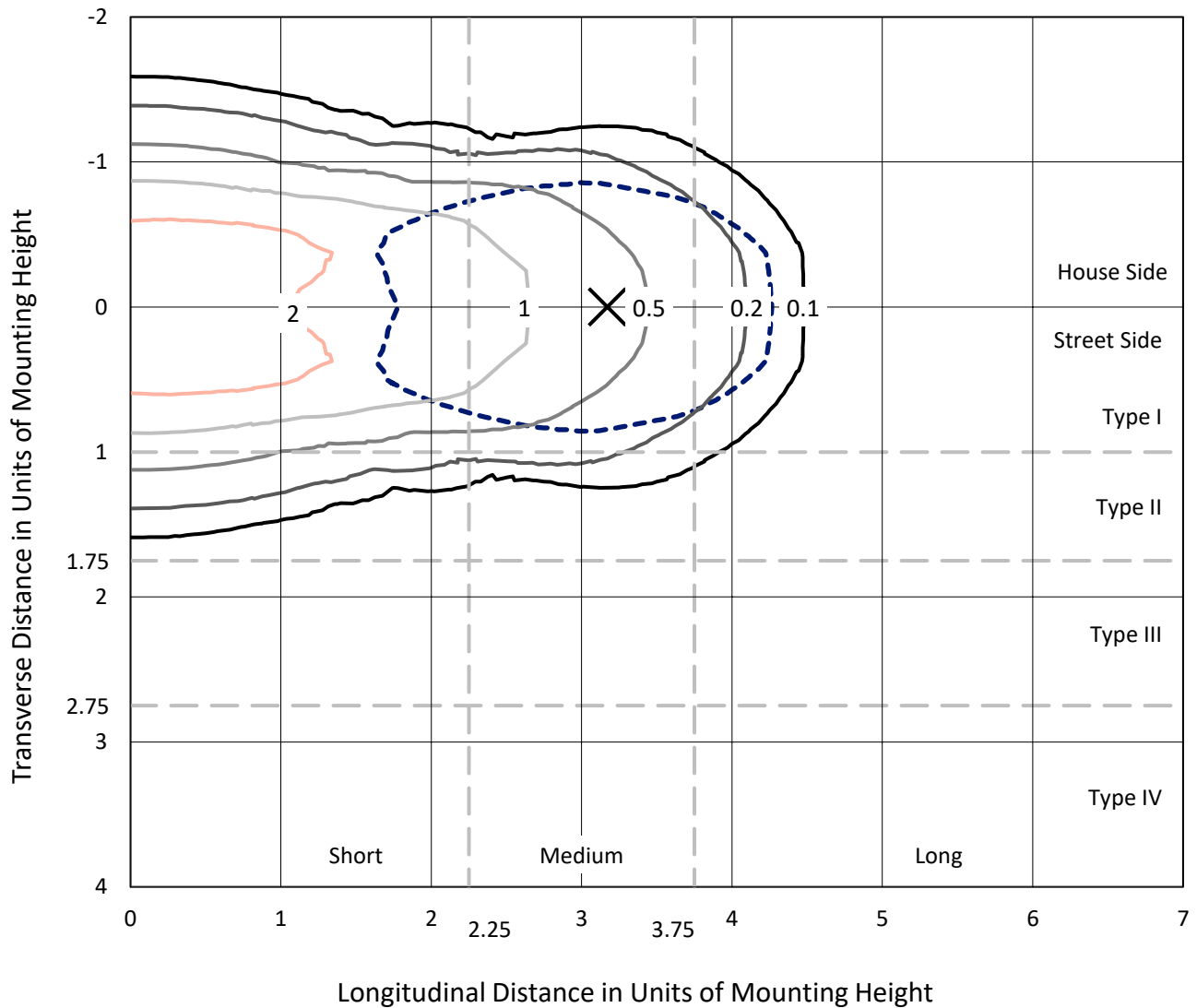
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

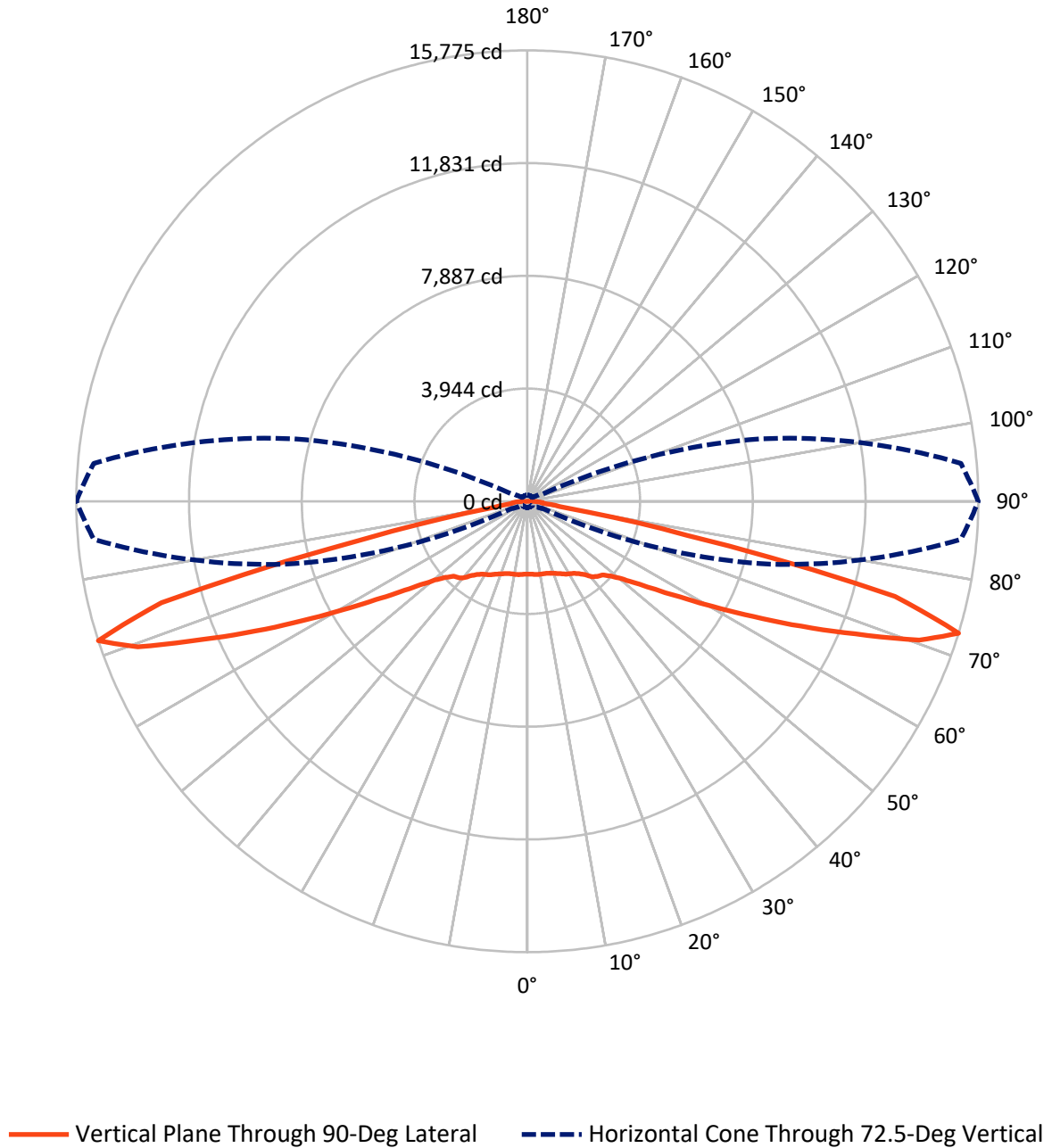
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6822.5	0.0	6822.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6822.5	0.0	6822.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13645.0	0.0	13645.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	247.2	1.8
10°-20°	755.9	5.5
20°-30°	1260.4	9.2
30°-40°	1733.5	12.7
40°-50°	2117.1	15.5
50°-60°	2448.6	17.9
60°-70°	2919.5	21.4
70°-80°	2037.6	14.9
80°-90°	125.2	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°	13645.0	100.0
0°-180°	13645.0	100.0

**Coefficient of Utilization**



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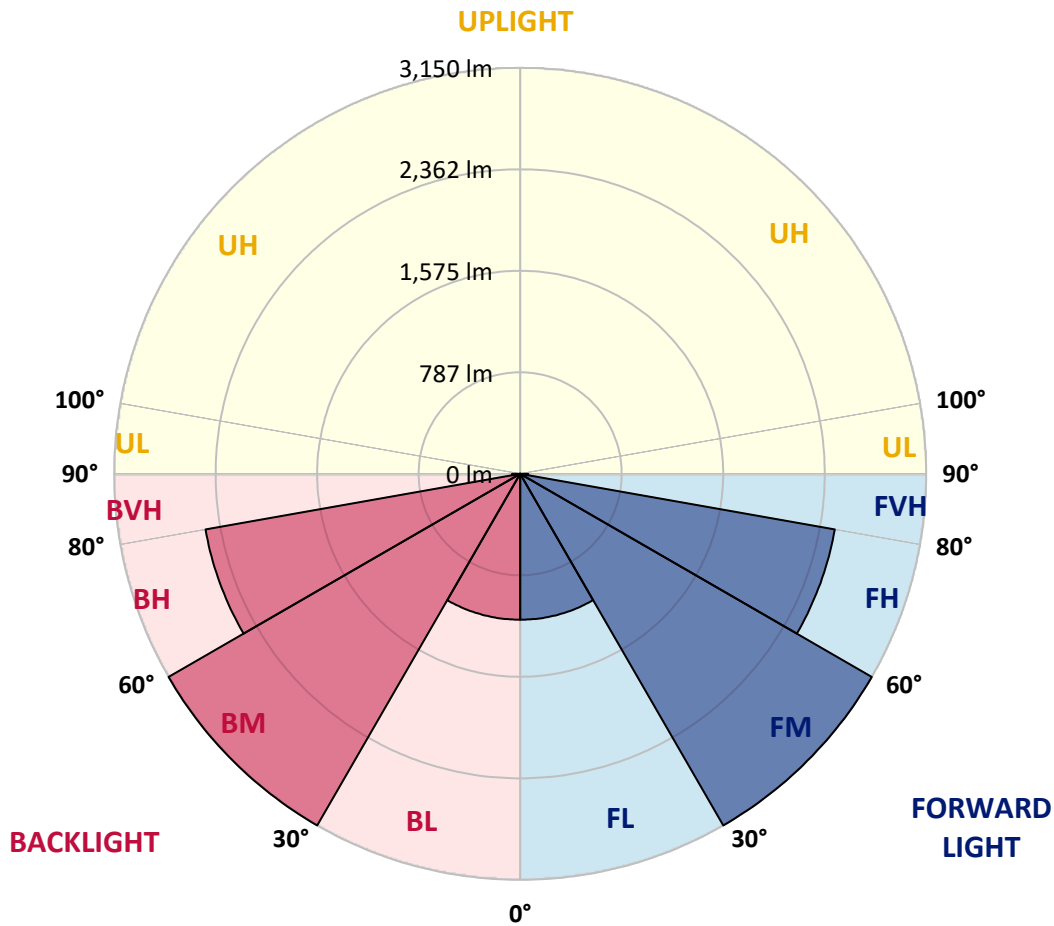
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1131.8	8.3			
FM (30°-60°)	3149.6	23.1			
FH (60°-80°)	2478.6	18.2			G2/5000
FVH (80°-90°)	62.6	0.5			G1/100
BL (0°-30°)	1131.8	8.3	B3/2500		
BM (30°-60°)	3149.6	23.1	B3/5000		
BH (60°-80°)	2478.6	18.2	B3/2500		G3/2500
BVH (80°-90°)	62.6	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°	2549.7	2549.7	2549.7	2549.7	2549.7	2549.7	2549.7	2549.7	2549.7	2549.7
2.5°	2551.9	2554.8	2554.8	2552.6	2557.7	2553.3	2553.3	2551.2	2553.3	2551.2
5°	2564.9	2568.6	2570.0	2569.3	2575.8	2572.2	2572.2	2569.3	2570.0	2567.8
7.5°	2589.6	2594.7	2597.6	2601.2	2610.6	2606.3	2603.4	2594.7	2591.0	2585.2
10°	2597.6	2603.4	2612.8	2631.7	2653.4	2654.1	2645.4	2623.7	2607.0	2593.9
12.5°	2572.9	2580.9	2600.5	2638.9	2687.5	2707.1	2693.3	2657.0	2624.4	2601.2
15°	2541.7	2550.4	2580.2	2638.2	2710.0	2755.7	2754.2	2706.3	2654.1	2617.9
17.5°	2493.1	2501.9	2544.6	2625.9	2727.4	2802.8	2823.1	2773.8	2700.5	2652.0
20°	2405.4	2413.4	2472.8	2586.7	2733.2	2852.8	2905.8	2862.3	2770.9	2704.9
22.5°	2291.6	2303.9	2373.5	2519.3	2719.4	2905.0	3000.0	2970.3	2852.8	2761.5
25°	2169.7	2182.8	2264.0	2436.6	2683.9	2942.8	3111.7	3092.9	2945.7	2831.8
27.5°	2064.6	2078.3	2166.8	2354.6	2628.8	2957.3	3221.9	3231.4	3058.1	2909.4
30°	1981.9	1995.0	2089.2	2288.6	2557.7	2942.8	3318.4	3383.7	3172.6	2976.8
32.5°	1891.3	1907.9	2007.3	2208.2	2473.6	2907.9	3402.5	3548.3	3305.3	3049.4
35°	1776.7	1791.9	1896.3	2097.9	2363.3	2852.1	3472.9	3731.0	3495.3	3159.6
37.5°	1637.4	1651.9	1755.6	1960.1	2253.8	2773.8	3526.5	3937.0	3721.6	3318.4
40°	1497.5	1511.3	1608.4	1806.4	2122.6	2673.7	3545.4	4138.6	3981.2	3536.7
42.5°	1369.1	1381.5	1470.7	1654.8	1975.4	2546.1	3520.7	4314.1	4214.0	3689.0
45°	1250.9	1261.8	1340.8	1512.7	1822.4	2390.9	3446.8	4502.6	4491.0	3797.7
47.5°	1116.0	1126.9	1208.9	1374.9	1669.4	2208.9	3321.3	4688.3	4876.1	4044.3
50°	951.4	960.9	1045.0	1216.1	1510.5	2015.3	3147.3	4834.0	5361.9	4417.8
52.5°	756.4	766.5	848.5	1019.6	1322.0	1807.1	2918.1	4929.0	5923.2	4963.1
55°	562.7	570.0	641.1	794.8	1088.5	1570.0	2630.9	4955.8	6559.9	5708.6
57.5°	408.3	412.6	458.3	572.9	825.2	1273.4	2282.1	4886.2	7317.7	6664.4
60°	330.7	332.1	345.9	396.7	573.6	938.4	1860.8	4646.9	8140.1	7896.4
62.5°	300.2	300.2	303.8	317.6	388.0	619.3	1351.0	4150.9	9021.9	9453.4
65°	279.2	279.2	280.6	287.2	306.0	394.5	852.8	3343.1	9765.2	11277.2
67.5°	260.3	261.1	260.3	262.5	273.4	291.5	494.6	2309.0	10165.5	13167.0
70°	240.8	242.2	238.6	238.6	247.3	248.0	309.6	1266.2	9833.4	14750.8
72.5°	217.6	219.7	213.9	212.5	219.0	216.1	232.8	607.7	8442.5	15223.6
75°	197.2	200.1	187.1	183.5	183.5	181.3	189.3	311.8	5479.4	12418.6
77.5°	179.1	184.9	163.9	152.3	149.4	142.9	154.5	190.7	2396.7	5830.4
80°	147.9	155.9	134.9	121.1	116.0	108.8	121.8	133.4	712.8	1353.9
82.5°	110.2	113.9	95.7	86.3	81.9	76.9	91.4	92.8	232.1	479.3
85°	70.3	71.8	58.7	50.8	48.6	46.4	58.0	50.8	88.5	352.4
87.5°	24.7	28.3	22.5	20.3	21.8	18.1	26.8	15.2	24.7	248.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2549.7  
2551.2  
2567.8  
2585.2  
2591.8  
2597.6  
2612.1  
2644.0  
2692.6  
2744.8  
2808.6  
2884.7  
2941.3  
3004.4  
3109.5  
3251.7  
3465.6  
3597.6  
3674.5  
3902.2  
4239.4  
4743.4  
5433.7  
6318.4  
7460.6  
8869.6  
10539.0  
12370.0  
14541.2  
15774.7  
13283.0  
5709.3  
1296.6  
541.7  
512.0  
308.2  
0.0

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