

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: P941723

Luminaire Tested: **GALN-SB5B-927-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941723
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-SB5B-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17128 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

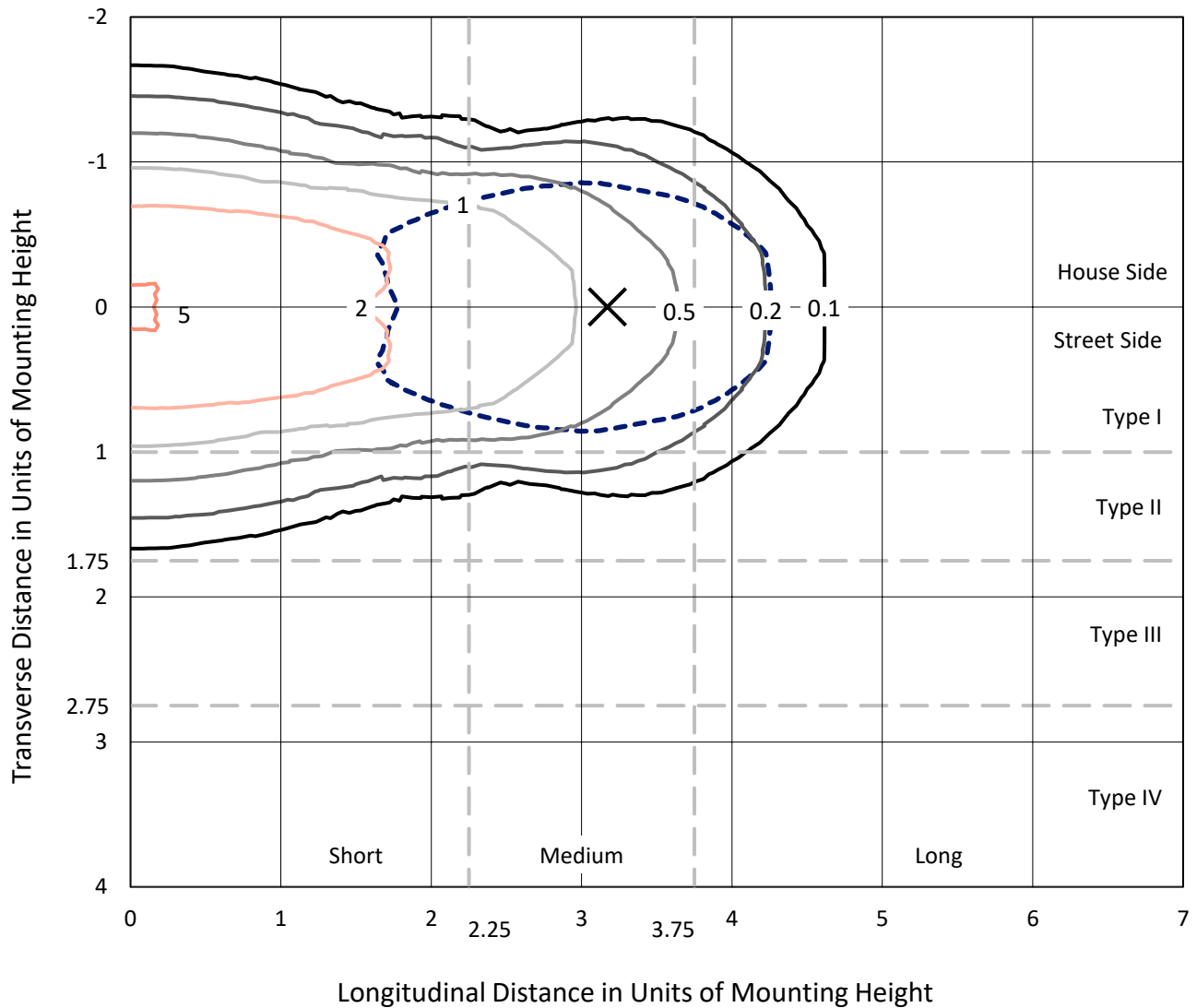
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

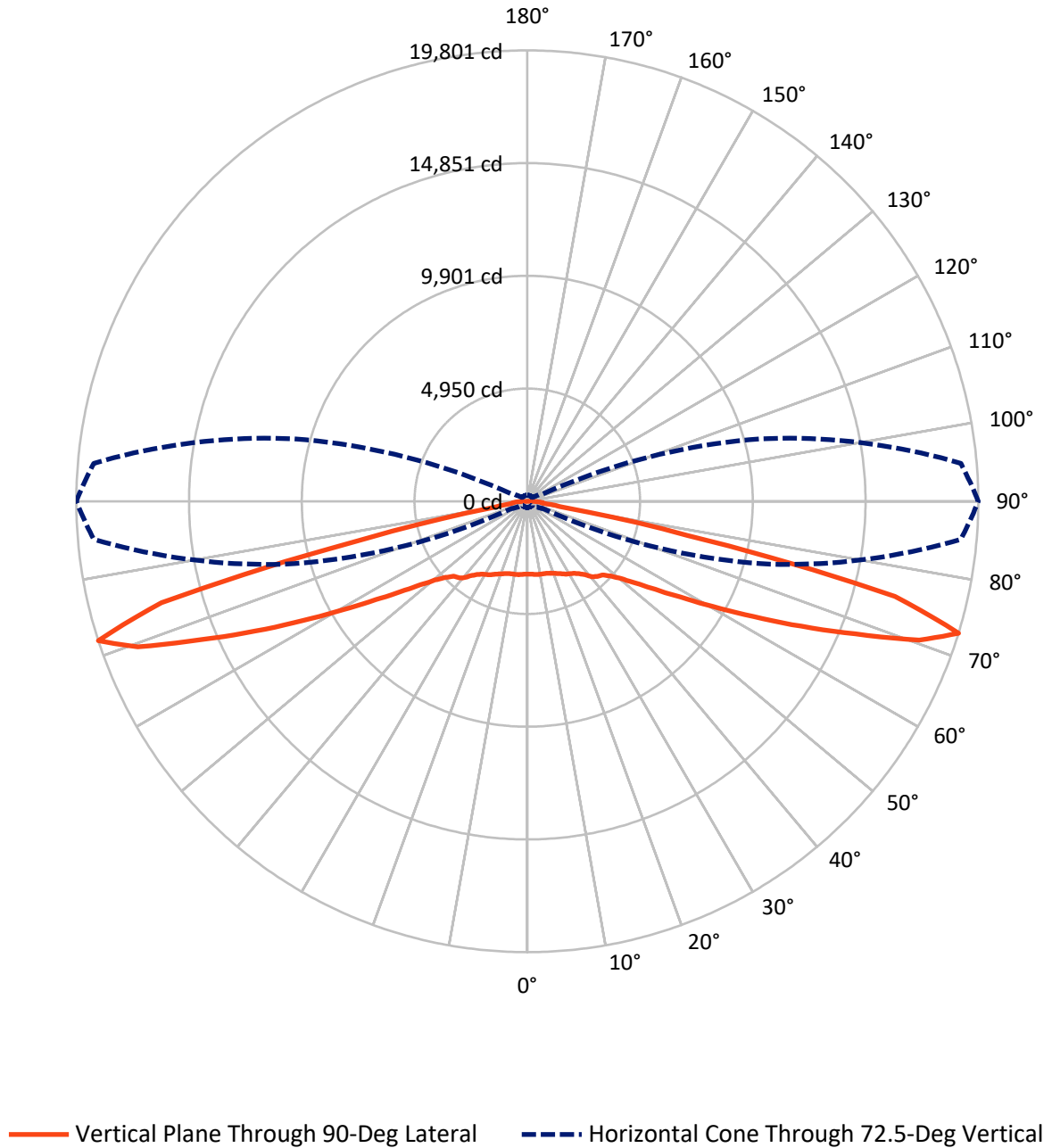
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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	8564.0	0.0	8564.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8564.0	0.0	8564.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17128.0	0.0	17128.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.3	1.8
10°-20°	948.9	5.5
20°-30°	1582.2	9.2
30°-40°	2176.0	12.7
40°-50°	2657.4	15.5
50°-60°	3073.6	17.9
60°-70°	3664.8	21.4
70°-80°	2557.8	14.9
80°-90°	157.1	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°	17128.0	100.0
0°-180°	17128.0	100.0

Coefficient of Utilization



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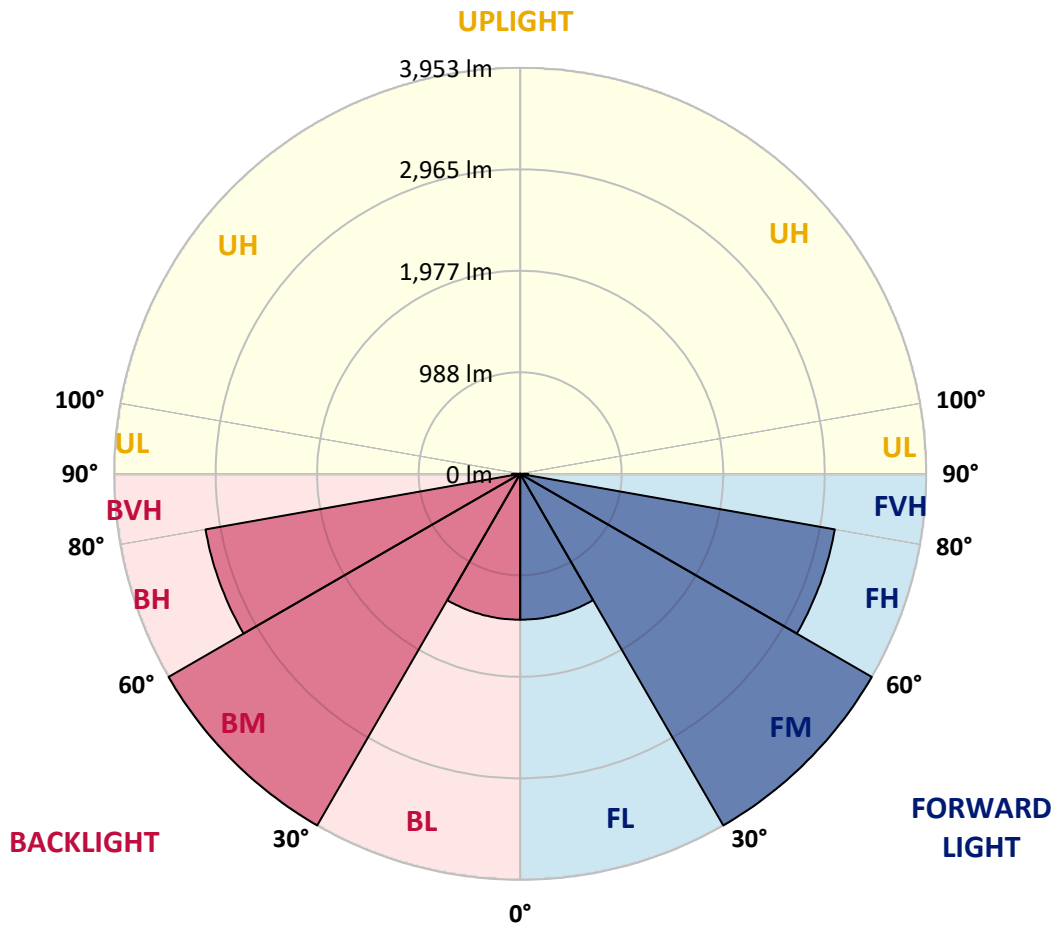
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1420.7	8.3			
FM (30°-60°)	3953.5	23.1			
FH (60°-80°)	3111.3	18.2			G2/5000
FVH (80°-90°)	78.5	0.5			G1/100
BL (0°-30°)	1420.7	8.3	B3/2500		
BM (30°-60°)	3953.5	23.1	B3/5000		
BH (60°-80°)	3111.3	18.2	B4/5000		G4/5000
BVH (80°-90°)	78.5	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°
0°	3200.5	3200.5	3200.5	3200.5	3200.5	3200.5	3200.5	3200.5	3200.5	3200.5
2.5°	3203.3	3206.9	3206.9	3204.2	3210.6	3205.1	3205.1	3202.4	3205.1	3202.4
5°	3219.7	3224.2	3226.0	3225.1	3233.3	3228.8	3228.8	3225.1	3226.0	3223.3
7.5°	3250.6	3257.0	3260.6	3265.2	3277.0	3271.5	3267.9	3257.0	3252.4	3245.2
10°	3260.6	3267.9	3279.7	3303.4	3330.7	3331.6	3320.7	3293.4	3272.5	3256.1
12.5°	3229.7	3239.7	3264.3	3312.5	3373.5	3398.1	3380.8	3335.3	3294.3	3265.2
15°	3190.5	3201.5	3238.8	3311.6	3401.7	3459.1	3457.2	3397.2	3331.6	3286.1
17.5°	3129.5	3140.5	3194.2	3296.1	3423.6	3518.2	3543.7	3481.8	3389.9	3328.9
20°	3019.4	3029.4	3104.1	3247.0	3430.8	3581.0	3647.5	3592.9	3478.2	3395.3
22.5°	2876.5	2892.0	2979.3	3162.3	3413.6	3646.6	3765.8	3728.5	3581.0	3466.3
25°	2723.6	2739.9	2841.9	3058.5	3368.9	3693.9	3906.0	3882.3	3697.6	3554.6
27.5°	2591.6	2608.9	2719.9	2955.7	3299.8	3712.1	4044.4	4056.2	3838.7	3652.0
30°	2487.8	2504.2	2622.5	2872.8	3210.6	3693.9	4165.4	4247.4	3982.5	3736.7
32.5°	2374.0	2394.9	2519.7	2771.8	3105.0	3650.2	4271.0	4454.0	4149.1	3827.7
35°	2230.2	2249.3	2380.4	2633.4	2966.6	3580.1	4359.3	4683.4	4387.6	3966.1
37.5°	2055.4	2073.6	2203.8	2460.5	2829.2	3481.8	4426.7	4941.9	4671.6	4165.4
40°	1879.7	1897.0	2019.0	2267.5	2664.4	3356.2	4450.4	5195.0	4997.4	4439.4
42.5°	1718.6	1734.1	1846.0	2077.3	2479.6	3196.0	4419.4	5415.3	5289.6	4630.6
45°	1570.2	1583.9	1683.1	1898.8	2287.5	3001.2	4326.6	5651.9	5637.4	4767.1
47.5°	1400.9	1414.6	1517.4	1725.9	2095.5	2772.7	4169.1	5885.0	6120.7	5076.6
50°	1194.3	1206.1	1311.7	1526.5	1896.1	2529.7	3950.6	6067.9	6730.6	5545.4
52.5°	949.4	962.2	1065.0	1279.9	1659.4	2268.4	3663.0	6187.2	7435.2	6230.0
55°	706.4	715.5	804.7	997.7	1366.3	1970.8	3302.5	6220.9	8234.4	7165.7
57.5°	512.5	517.9	575.3	719.1	1035.9	1598.5	2864.7	6133.5	9185.6	8365.5
60°	415.1	416.9	434.2	497.9	720.0	1177.9	2335.8	5833.1	10217.9	9912.0
62.5°	376.9	376.9	381.4	398.7	487.0	777.4	1695.9	5210.4	11324.8	11866.4
65°	350.5	350.5	352.3	360.5	384.1	495.2	1070.5	4196.4	12257.8	14155.8
67.5°	326.8	327.7	326.8	329.5	343.2	365.9	620.8	2898.3	12760.3	16528.0
70°	302.2	304.0	299.5	299.5	310.4	311.3	388.7	1589.4	12343.4	18516.0
72.5°	273.1	275.8	268.5	266.7	274.9	271.3	292.2	762.8	10597.5	19109.5
75°	247.6	251.2	234.9	230.3	230.3	227.6	237.6	391.4	6878.1	15588.6
77.5°	224.8	232.1	205.7	191.2	187.5	179.3	193.9	239.4	3008.5	7318.7
80°	185.7	195.7	169.3	152.0	145.6	136.5	152.9	167.5	894.8	1699.5
82.5°	138.4	142.9	120.2	108.3	102.9	96.5	114.7	116.5	291.3	601.7
85°	88.3	90.1	73.7	63.7	61.0	58.3	72.8	63.7	111.1	442.4
87.5°	30.9	35.5	28.2	25.5	27.3	22.8	33.7	19.1	30.9	312.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3200.5
3202.4
3223.3
3245.2
3253.3
3260.6
3278.8
3318.9
3379.9
3445.4
3525.5
3621.1
3692.1
3771.3
3903.3
4081.7
4350.2
4515.9
4612.4
4898.2
5321.5
5954.1
6820.7
7931.3
9365.0
11133.6
13229.1
15527.6
18253.0
19801.3
16673.6
7166.6
1627.6
680.0
642.7
386.9
0.0

OF REPORT)