

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: P940323

Luminaire Tested: **GALN-SB3B-830-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940323
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-SB3B-830-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15018 lumens
Efficiency: N/A
Efficacy: 137.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

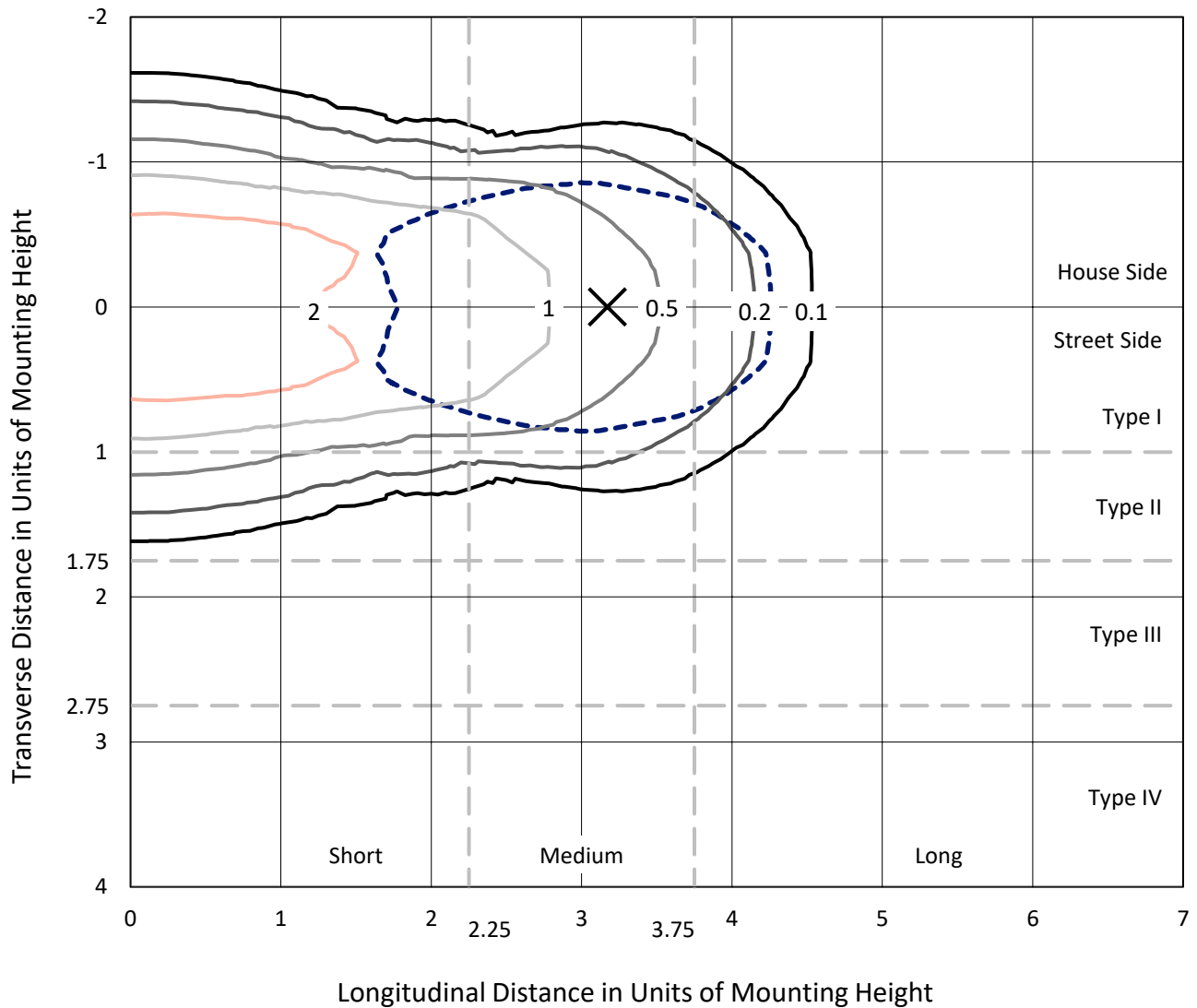
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

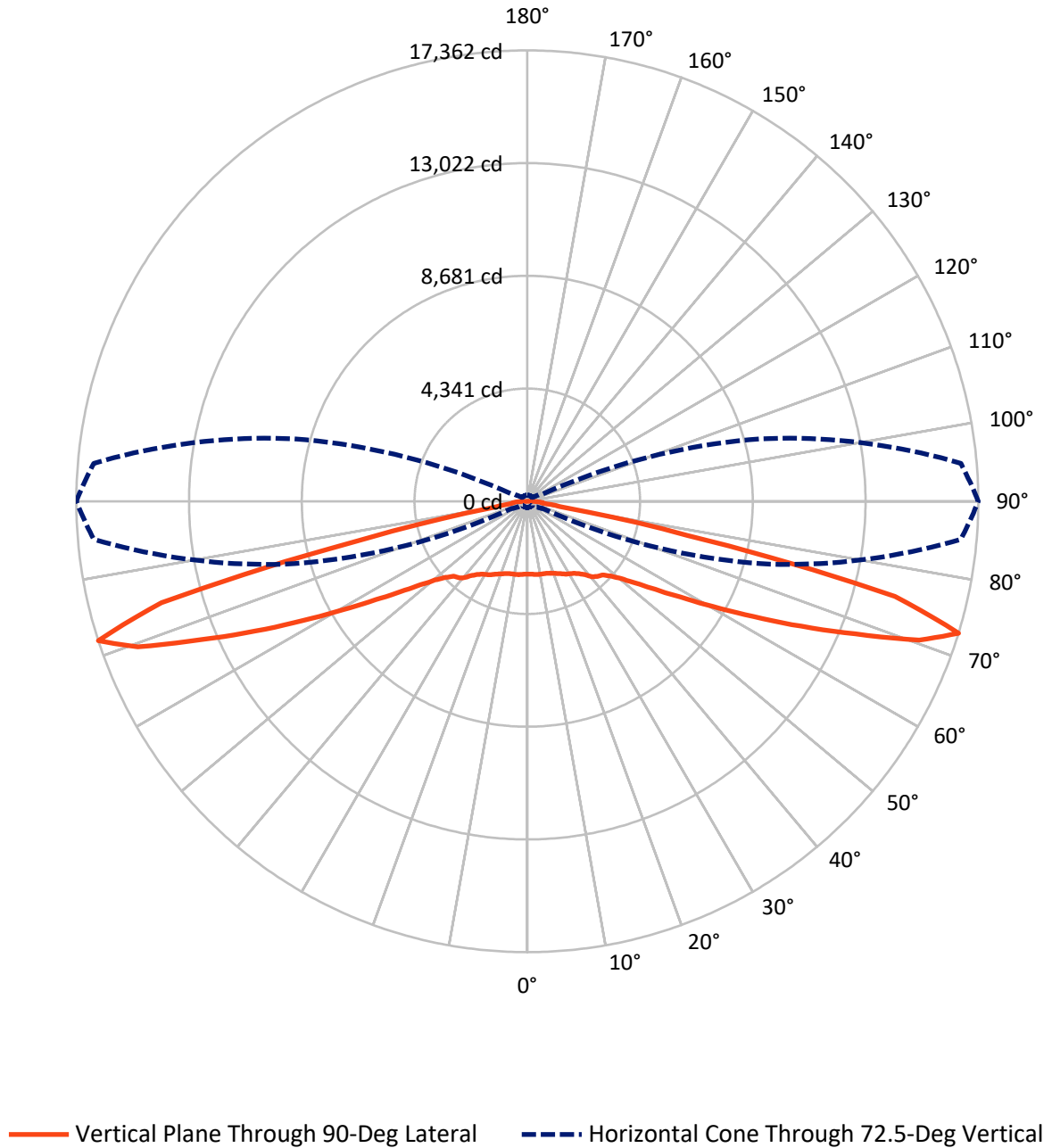
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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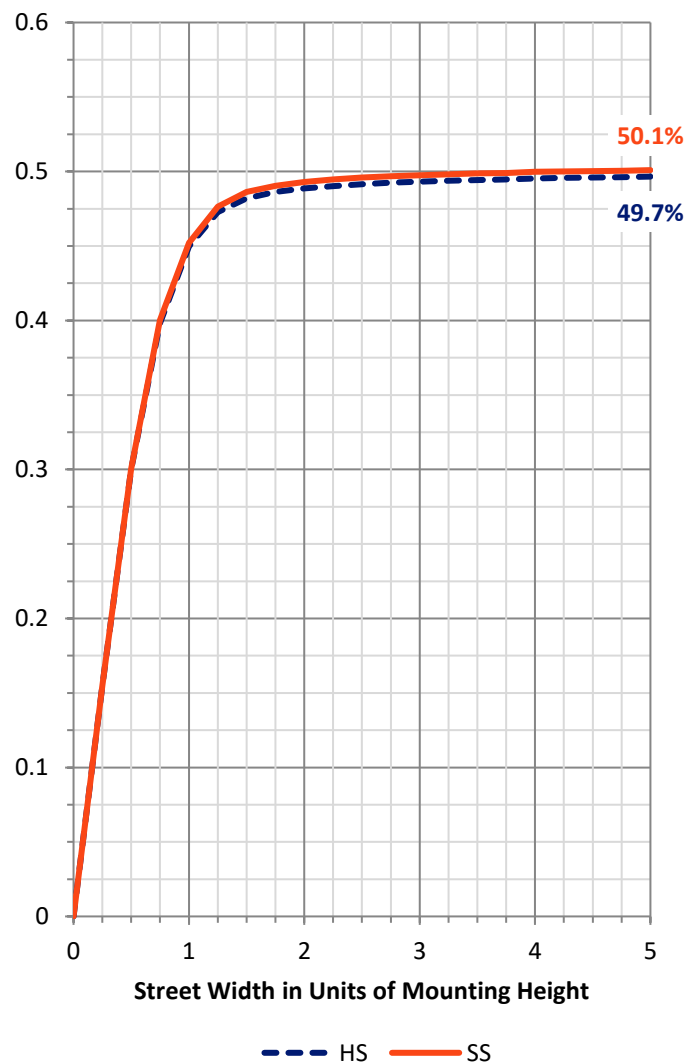
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7509.0	0.0	7509.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7509.0	0.0	7509.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	15018.0	0.0	15018.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.1	1.8
10°-20°	832.0	5.5
20°-30°	1387.3	9.2
30°-40°	1907.9	12.7
40°-50°	2330.1	15.5
50°-60°	2695.0	17.9
60°-70°	3213.3	21.4
70°-80°	2242.7	14.9
80°-90°	137.8	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°	15018.0	100.0
0°-180°	15018.0	100.0

Coefficient of Utilization



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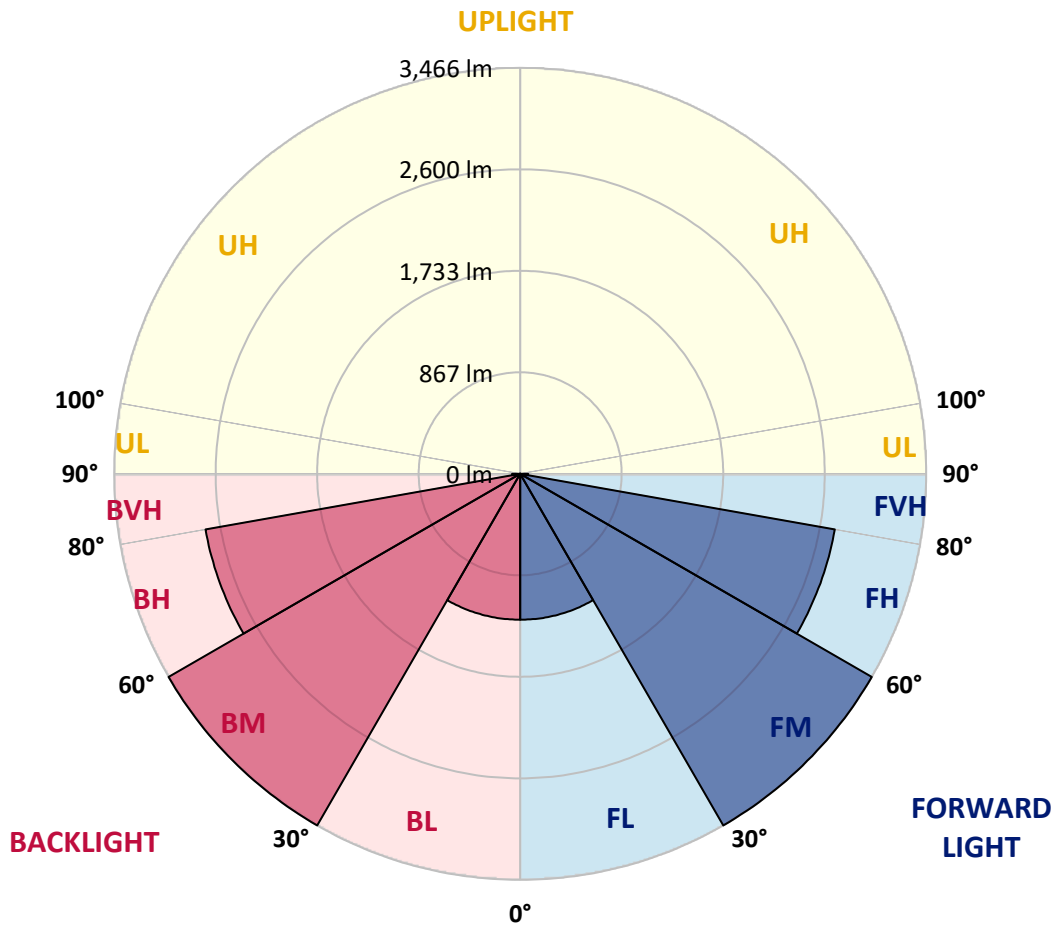
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1245.7	8.3			
FM (30°-60°)	3466.5	23.1			
FH (60°-80°)	2728.0	18.2			G2/5000
FVH (80°-90°)	68.9	0.5			G1/100
BL (0°-30°)	1245.7	8.3	B3/2500		
BM (30°-60°)	3466.5	23.1	B3/5000		
BH (60°-80°)	2728.0	18.2	B4/5000		G4/5000
BVH (80°-90°)	68.9	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°	2806.3	2806.3	2806.3	2806.3	2806.3	2806.3	2806.3	2806.3	2806.3	2806.3
2.5°	2808.7	2811.9	2811.9	2809.5	2815.1	2810.3	2810.3	2807.9	2810.3	2807.9
5°	2823.0	2827.0	2828.6	2827.8	2835.0	2831.0	2831.0	2827.8	2828.6	2826.2
7.5°	2850.2	2855.8	2858.9	2862.9	2873.3	2868.5	2865.3	2855.8	2851.8	2845.4
10°	2858.9	2865.3	2875.7	2896.5	2920.4	2921.2	2911.6	2887.7	2869.3	2855.0
12.5°	2831.8	2840.6	2862.1	2904.4	2957.9	2979.5	2964.3	2924.4	2888.5	2862.9
15°	2797.5	2807.1	2839.8	2903.6	2982.7	3032.9	3031.3	2978.7	2921.2	2881.3
17.5°	2744.0	2753.6	2800.7	2890.1	3001.8	3084.8	3107.2	3052.9	2972.3	2918.8
20°	2647.4	2656.2	2721.7	2847.0	3008.2	3139.9	3198.2	3150.3	3049.7	2977.1
22.5°	2522.1	2535.7	2612.3	2772.7	2993.0	3197.4	3301.9	3269.2	3139.9	3039.3
25°	2388.0	2402.4	2491.8	2681.8	2953.9	3238.9	3424.8	3404.1	3242.1	3116.7
27.5°	2272.3	2287.5	2384.9	2591.6	2893.3	3254.8	3546.2	3556.5	3365.8	3202.2
30°	2181.3	2195.7	2299.5	2518.9	2815.1	3238.9	3652.3	3724.1	3491.9	3276.4
32.5°	2081.6	2099.9	2209.3	2430.3	2722.5	3200.6	3744.9	3905.3	3637.9	3356.2
35°	1955.5	1972.2	2087.1	2309.0	2601.1	3139.1	3822.3	4106.4	3847.1	3477.5
37.5°	1802.2	1818.2	1932.3	2157.4	2480.6	3052.9	3881.4	4333.1	4096.1	3652.3
40°	1648.2	1663.3	1770.3	1988.2	2336.2	2942.8	3902.1	4555.0	4381.8	3892.5
42.5°	1506.9	1520.5	1618.6	1821.4	2174.1	2802.3	3875.0	4748.2	4638.0	4060.2
45°	1376.8	1388.8	1475.8	1664.9	2005.7	2631.5	3793.6	4955.7	4942.9	4179.9
47.5°	1228.3	1240.3	1330.5	1513.3	1837.3	2431.1	3655.5	5160.0	5366.7	4451.2
50°	1047.2	1057.5	1150.1	1338.5	1662.5	2218.0	3463.9	5320.4	5901.5	4862.3
52.5°	832.5	843.6	933.8	1122.2	1455.0	1989.0	3211.7	5425.0	6519.2	5462.5
55°	619.4	627.3	705.6	874.8	1198.0	1728.0	2895.7	5454.5	7220.0	6283.0
57.5°	449.4	454.1	504.4	630.5	908.3	1401.5	2511.8	5377.9	8054.1	7334.9
60°	364.0	365.5	380.7	436.6	631.3	1032.8	2048.0	5114.5	8959.2	8691.0
62.5°	330.4	330.4	334.4	349.6	427.0	681.6	1486.9	4568.6	9929.7	10404.6
65°	307.3	307.3	308.9	316.1	336.8	434.2	938.6	3679.4	10747.8	12411.9
67.5°	286.5	287.3	286.5	288.9	300.9	320.9	544.3	2541.3	11188.4	14491.9
70°	265.0	266.6	262.6	262.6	272.2	273.0	340.8	1393.6	10822.8	16235.0
72.5°	239.4	241.8	235.5	233.9	241.0	237.8	256.2	668.8	9292.0	16755.4
75°	217.1	220.3	205.9	201.9	201.9	199.5	208.3	343.2	6030.8	13668.2
77.5°	197.1	203.5	180.4	167.6	164.4	157.2	170.0	209.9	2637.9	6417.1
80°	162.8	171.6	148.5	133.3	127.7	119.7	134.1	146.9	784.6	1490.1
82.5°	121.3	125.3	105.4	95.0	90.2	84.6	100.6	102.2	255.4	527.6
85°	77.4	79.0	64.6	55.9	53.5	51.1	63.9	55.9	97.4	387.9
87.5°	27.1	31.1	24.7	22.3	23.9	20.0	29.5	16.8	27.1	273.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2806.3
2807.9
2826.2
2845.4
2852.6
2858.9
2874.9
2910.0
2963.5
3021.0
3091.2
3175.0
3237.3
3306.7
3422.4
3578.9
3814.3
3959.6
4044.2
4294.8
4665.9
5220.7
5980.5
6954.2
8211.3
9762.1
11599.4
13614.7
16004.4
17362.0
14619.6
6283.8
1427.1
596.2
563.5
339.2
0.0

OF REPORT)