

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: P940353

Luminaire Tested: **GALN-SB3B-850-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940353  
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-850-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15987 lumens  
Efficiency: N/A  
Efficacy: 146.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

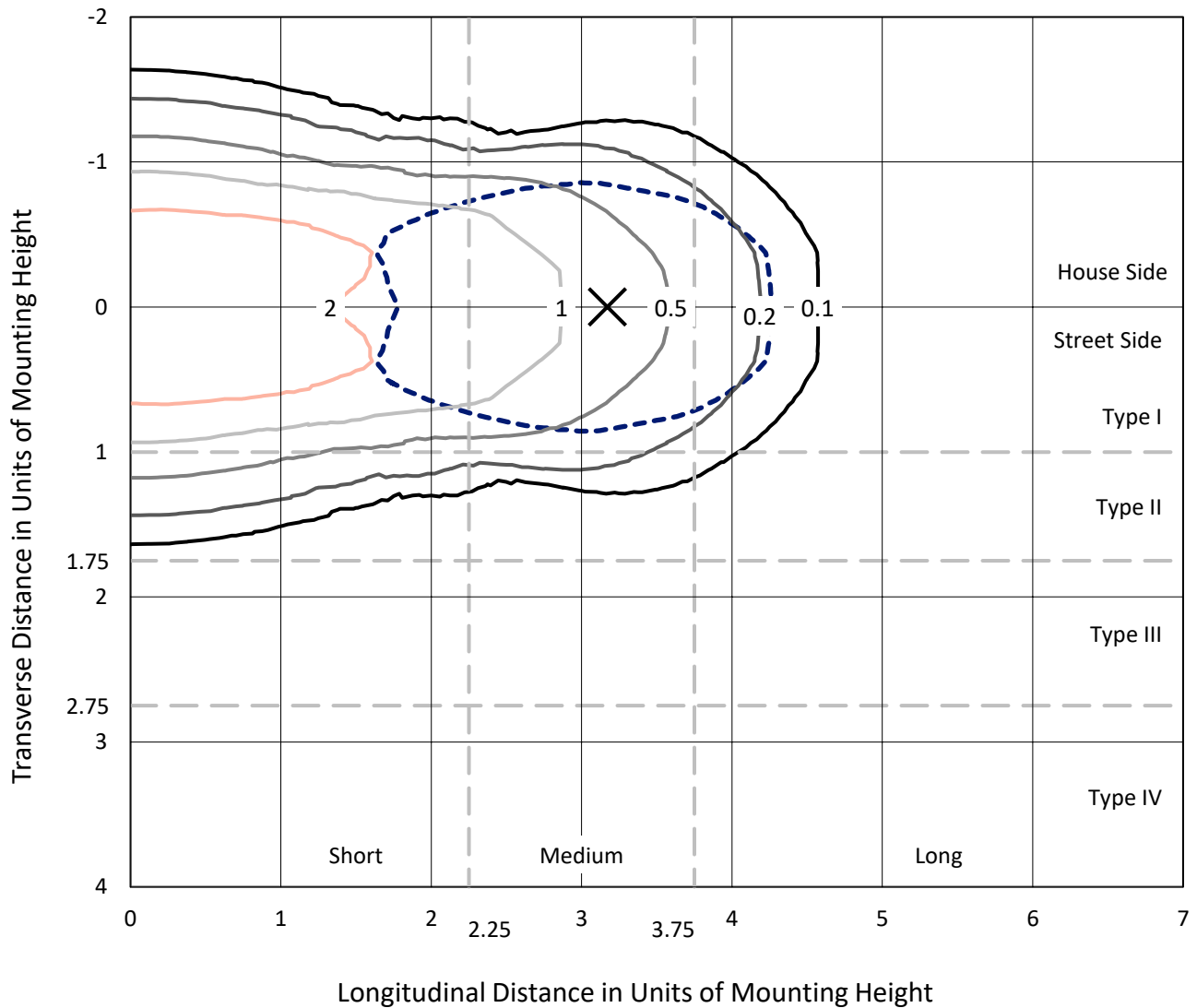
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

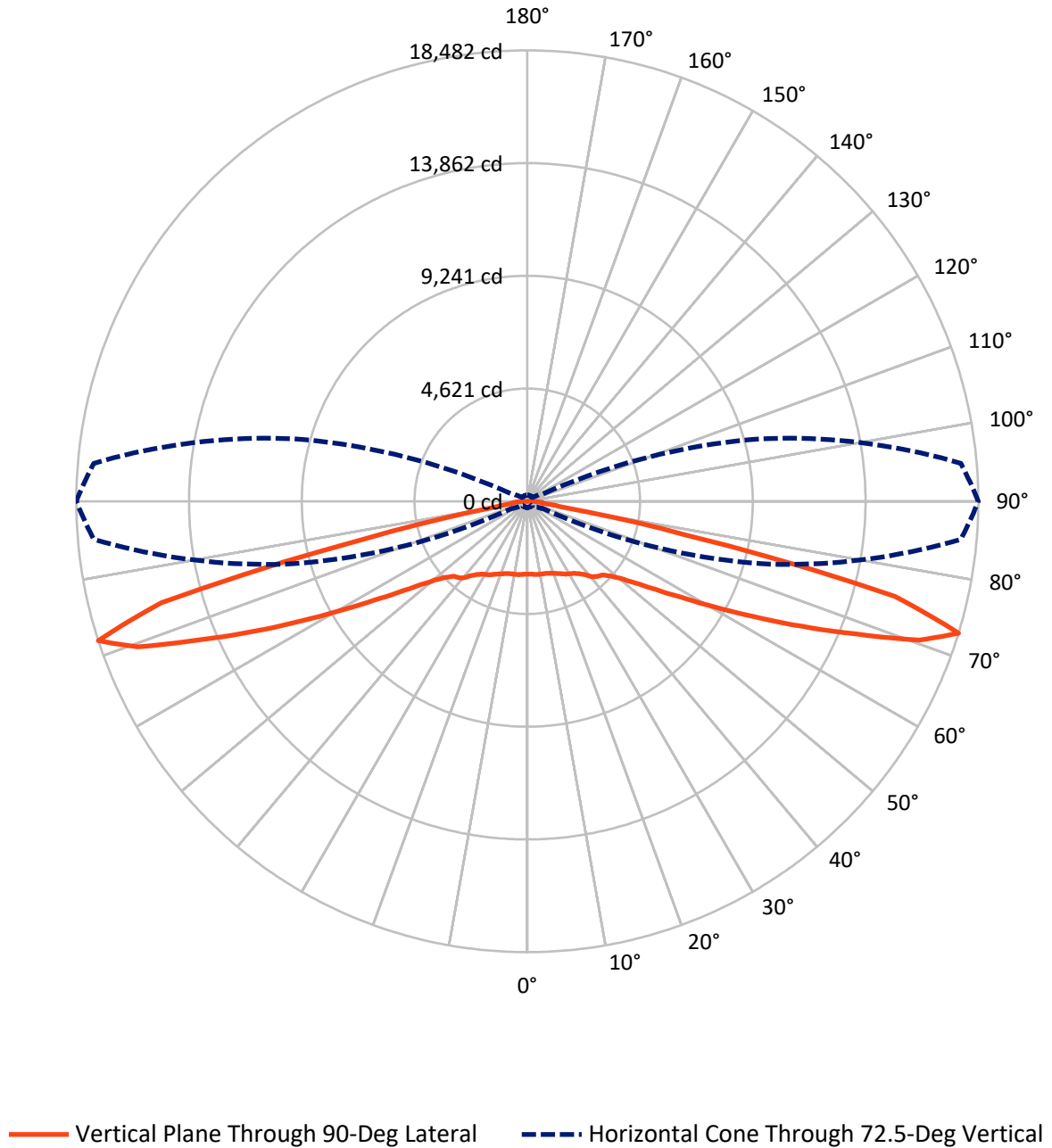
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



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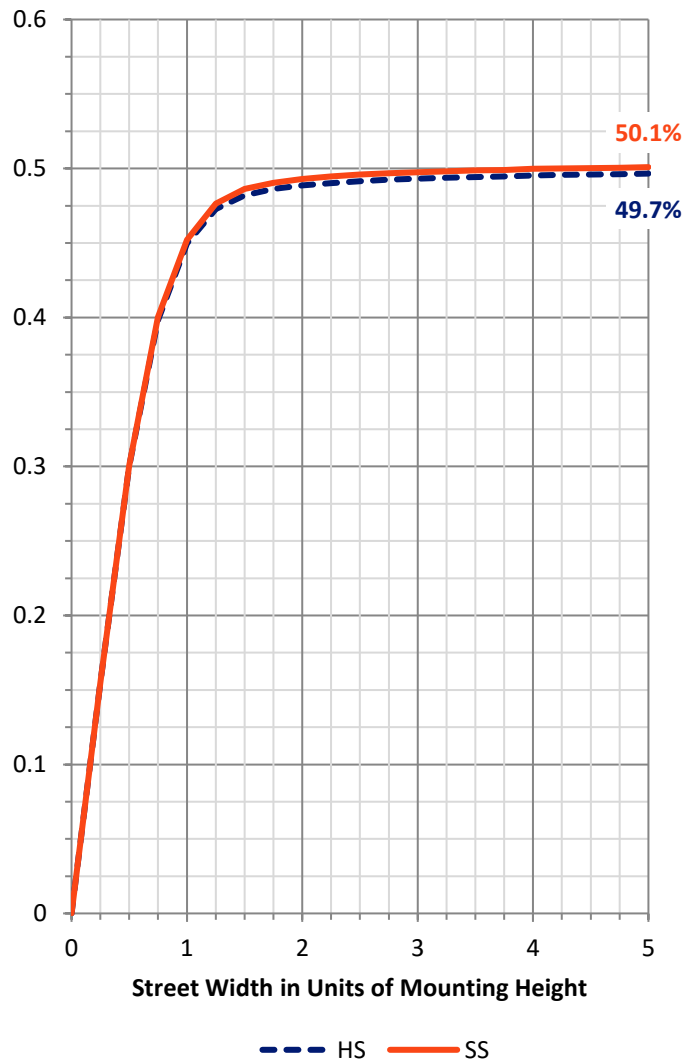
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7993.5	0.0	7993.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7993.5	0.0	7993.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15987.0	0.0	15987.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	289.7	1.8
10°-20°	885.7	5.5
20°-30°	1476.8	9.2
30°-40°	2031.0	12.7
40°-50°	2480.4	15.5
50°-60°	2868.9	17.9
60°-70°	3420.6	21.4
70°-80°	2387.4	14.9
80°-90°	146.6	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°	15987.0	100.0
0°-180°	15987.0	100.0

**Coefficient of Utilization**



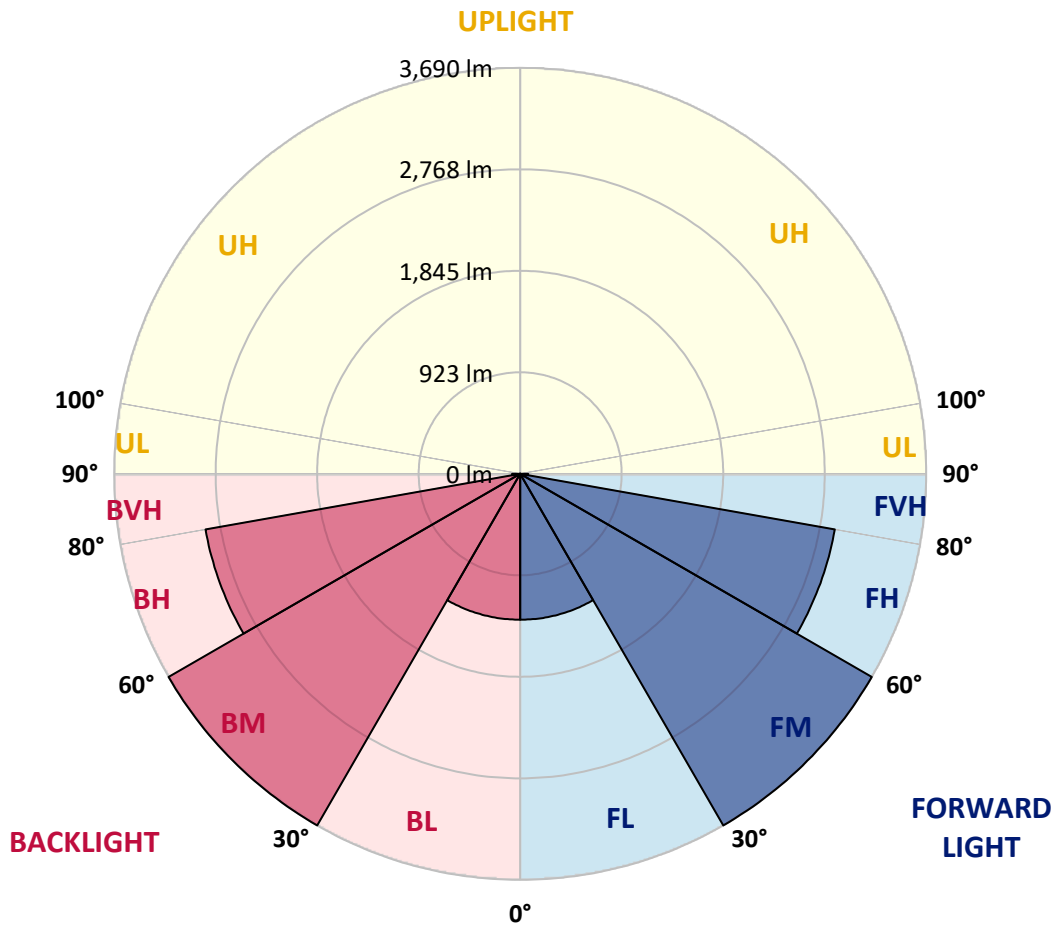
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1326.0	8.3			
FM (30°-60°)	3690.1	23.1			
FH (60°-80°)	2904.0	18.2			G2/5000
FVH (80°-90°)	73.3	0.5			G1/100
BL (0°-30°)	1326.0	8.3	B3/2500		
BM (30°-60°)	3690.1	23.1	B3/5000		
BH (60°-80°)	2904.0	18.2	B4/5000		G4/5000
BVH (80°-90°)	73.3	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°	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3
2.5°	2989.9	2993.3	2993.3	2990.7	2996.7	2991.6	2991.6	2989.0	2991.6	2989.0
5°	3005.2	3009.4	3011.1	3010.3	3017.9	3013.7	3013.7	3010.3	3011.1	3008.6
7.5°	3034.1	3040.0	3043.4	3047.7	3058.7	3053.6	3050.2	3040.0	3035.8	3029.0
10°	3043.4	3050.2	3061.3	3083.3	3108.8	3109.7	3099.5	3074.0	3054.5	3039.2
12.5°	3014.5	3023.9	3046.8	3091.8	3148.8	3171.7	3155.6	3113.1	3074.9	3047.7
15°	2978.0	2988.2	3023.0	3091.0	3175.1	3228.6	3226.9	3170.9	3109.7	3067.2
17.5°	2921.1	2931.3	2981.4	3076.6	3195.5	3283.9	3307.7	3249.9	3164.1	3107.1
20°	2818.3	2827.6	2897.3	3030.7	3202.3	3342.5	3404.5	3353.5	3246.5	3169.2
22.5°	2684.9	2699.3	2780.9	2951.7	3186.2	3403.7	3515.0	3480.1	3342.5	3235.4
25°	2542.1	2557.4	2652.6	2854.8	3144.5	3447.8	3645.8	3623.7	3451.2	3317.9
27.5°	2418.9	2435.1	2538.7	2758.8	3080.0	3464.8	3775.0	3786.0	3582.9	3408.8
30°	2322.1	2337.4	2447.8	2681.5	2996.7	3447.8	3888.0	3964.4	3717.2	3487.8
32.5°	2215.9	2235.4	2351.8	2587.2	2898.1	3407.1	3986.5	4157.3	3872.7	3572.7
35°	2081.6	2099.5	2221.8	2458.0	2769.0	3341.6	4068.9	4371.4	4095.3	3701.9
37.5°	1918.5	1935.5	2057.0	2296.6	2640.7	3249.9	4131.8	4612.7	4360.4	3888.0
40°	1754.5	1770.7	1884.5	2116.5	2486.9	3132.6	4153.9	4848.9	4664.5	4143.7
42.5°	1604.1	1618.6	1723.1	1938.9	2314.4	2983.1	4125.0	5054.5	4937.3	4322.1
45°	1465.6	1478.4	1571.0	1772.4	2135.1	2801.3	4038.3	5275.4	5261.8	4449.6
47.5°	1307.6	1320.3	1416.4	1610.9	1955.9	2588.0	3891.4	5492.9	5713.0	4738.5
50°	1114.7	1125.8	1224.3	1424.8	1769.8	2361.2	3687.4	5663.7	6282.2	5176.0
52.5°	886.2	898.1	994.1	1194.6	1548.9	2117.3	3419.0	5775.0	6939.9	5814.9
55°	659.3	667.8	751.1	931.2	1275.3	1839.5	3082.5	5806.5	7685.9	6688.4
57.5°	478.3	483.4	537.0	671.2	966.9	1492.0	2673.8	5724.9	8573.7	7808.2
60°	387.4	389.1	405.3	464.8	672.1	1099.4	2180.2	5444.5	9537.2	9251.7
62.5°	351.8	351.8	356.0	372.1	454.6	725.6	1582.9	4863.3	10570.4	11075.9
65°	327.1	327.1	328.8	336.5	358.5	462.2	999.2	3916.8	11441.3	13212.8
67.5°	305.0	305.9	305.0	307.6	320.3	341.6	579.5	2705.3	11910.3	15426.9
70°	282.1	283.8	279.5	279.5	289.7	290.6	362.8	1483.5	11521.1	17282.6
72.5°	254.9	257.4	250.6	248.9	256.6	253.2	272.7	712.0	9891.5	17836.5
75°	231.1	234.5	219.2	215.0	215.0	212.4	221.8	365.3	6419.9	14550.1
77.5°	209.9	216.7	192.0	178.4	175.0	167.4	181.0	223.5	2808.1	6831.1
80°	173.3	182.7	158.0	141.9	135.9	127.4	142.7	156.3	835.2	1586.3
82.5°	129.1	133.4	112.2	101.1	96.0	90.1	107.1	108.8	271.9	561.6
85°	82.4	84.1	68.8	59.5	56.9	54.4	68.0	59.5	103.7	412.9
87.5°	28.9	33.1	26.3	23.8	25.5	21.2	31.4	17.8	28.9	291.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2987.3  
2989.0  
3008.6  
3029.0  
3036.6  
3043.4  
3060.4  
3097.8  
3154.7  
3215.9  
3290.7  
3379.9  
3446.1  
3520.1  
3643.3  
3809.8  
4060.4  
4215.1  
4305.1  
4571.9  
4967.0  
5557.5  
6366.4  
7402.9  
8741.1  
10392.0  
12347.8  
14493.2  
17037.0  
18482.3  
15562.9  
6689.2  
1519.2  
634.7  
599.8  
361.1  
0.0

OF REPORT)