

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: STREETWORKS

Report Number: P847824

Luminaire Tested: **GLAN-SB4A-835-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847824  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4A-835-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14726 lumens  
Efficiency: N/A  
Efficacy: 129.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

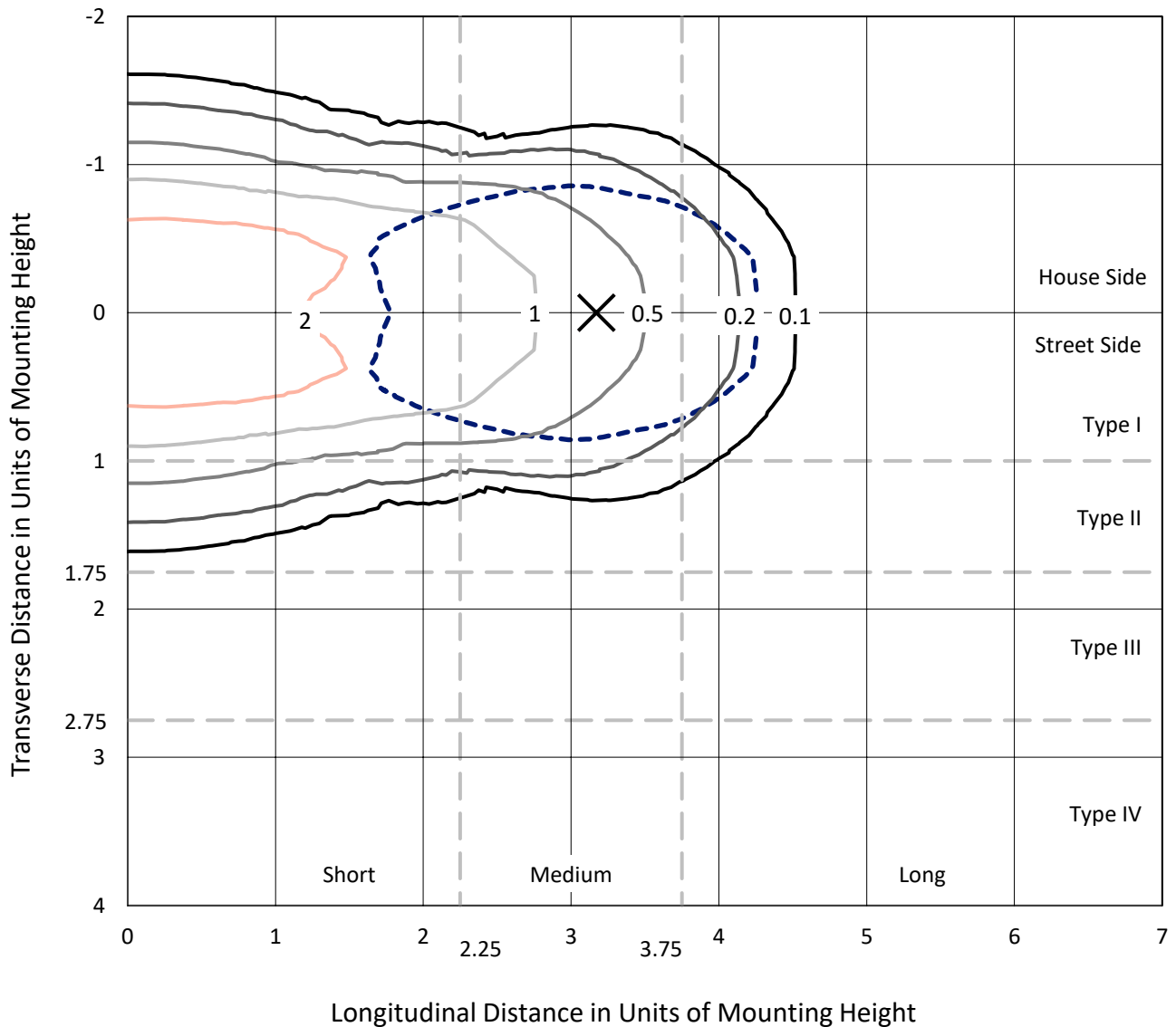
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

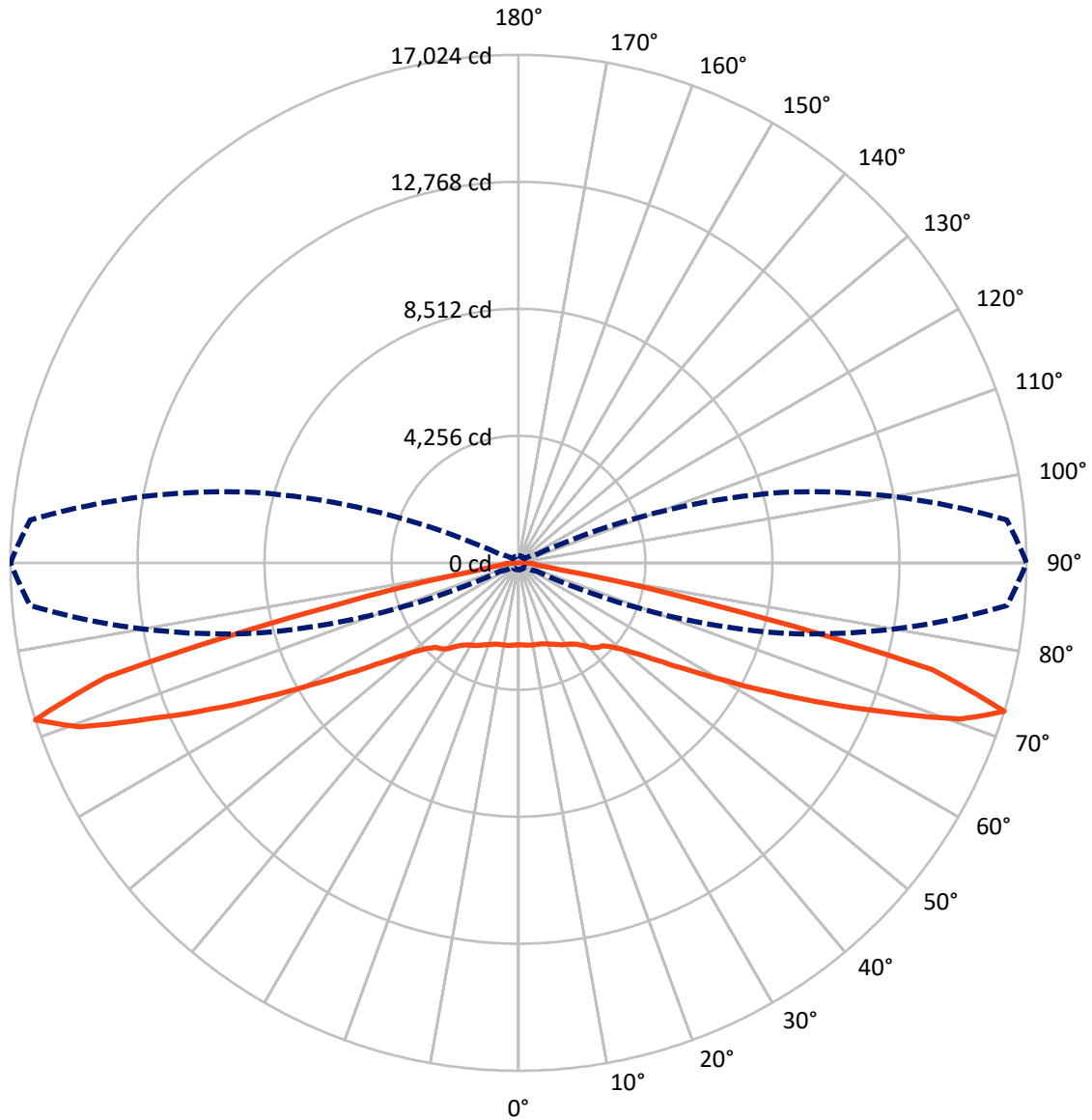
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7363.0	0.0	7363.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7363.0	0.0	7363.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14726.0	0.0	14726.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	266.8	1.8
10°-20°	815.8	5.5
20°-30°	1360.3	9.2
30°-40°	1870.8	12.7
40°-50°	2284.8	15.5
50°-60°	2642.6	17.9
60°-70°	3150.8	21.4
70°-80°	2199.1	14.9
80°-90°	135.1	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°	14726.0	100.0
0°-180°	14726.0	100.0

**Coefficient of Utilization**



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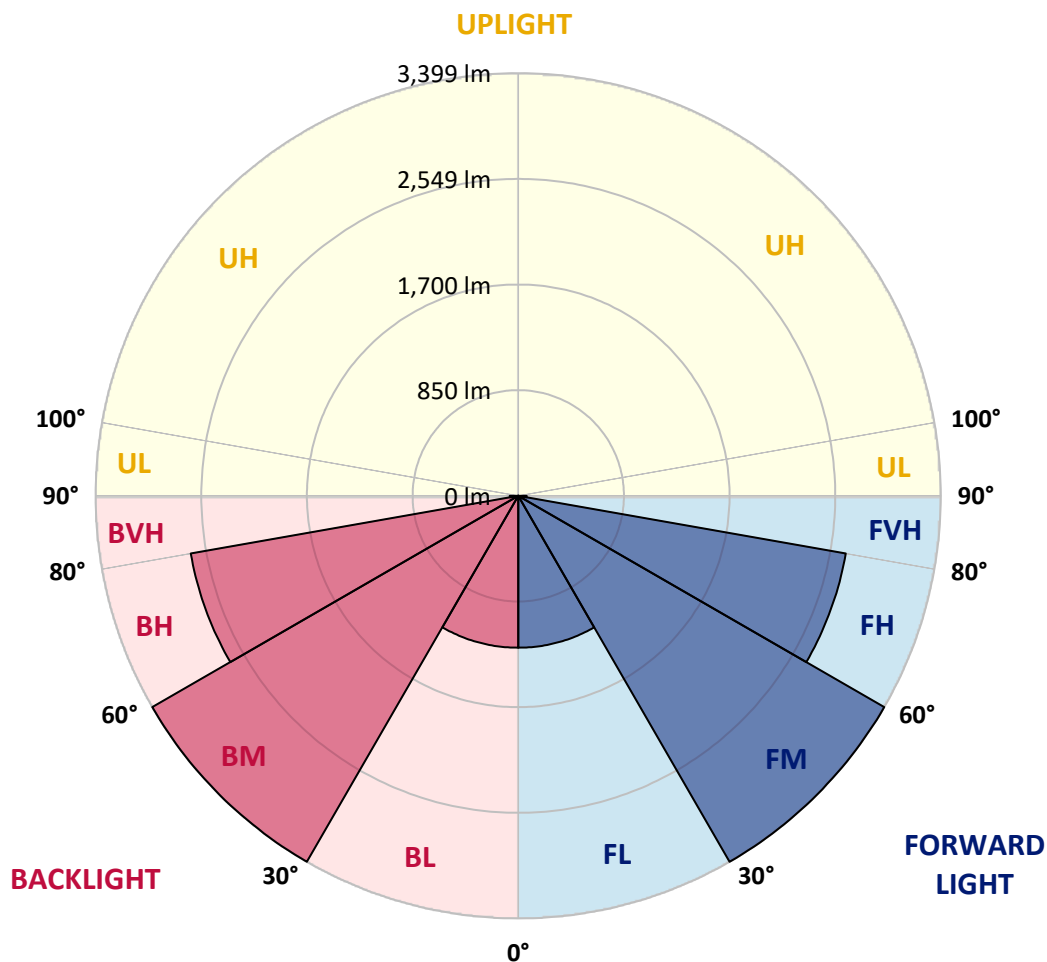
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1221.4	8.3			
FM (30°-60°)	3399.1	23.1			
FH (60°-80°)	2675.0	18.2			G2/5000
FVH (80°-90°)	67.5	0.5			G1/100
BL (0°-30°)	1221.4	8.3	B3/2500		
BM (30°-60°)	3399.1	23.1	B3/5000		
BH (60°-80°)	2675.0	18.2	B4/5000		G4/5000
BVH (80°-90°)	67.5	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°	2751.7	2751.7	2751.7	2751.7	2751.7	2751.7	2751.7	2751.7	2751.7	2751.7
2.5°	2754.1	2757.2	2757.2	2754.8	2760.3	2755.6	2755.6	2753.3	2755.6	2753.3
5°	2768.1	2772.1	2773.6	2772.8	2779.9	2776.0	2776.0	2772.8	2773.6	2771.3
7.5°	2794.8	2800.2	2803.4	2807.3	2817.4	2812.8	2809.6	2800.2	2796.3	2790.1
10°	2803.4	2809.6	2819.8	2840.1	2863.6	2864.4	2855.0	2831.5	2813.5	2799.4
12.5°	2776.8	2785.4	2806.5	2848.0	2900.4	2921.5	2906.7	2867.5	2832.3	2807.3
15°	2743.1	2752.5	2784.6	2847.2	2924.7	2974.0	2972.4	2920.8	2864.4	2825.3
17.5°	2690.7	2700.1	2746.2	2833.9	2943.5	3024.8	3046.8	2993.5	2914.5	2862.1
20°	2596.0	2604.6	2668.8	2791.6	2949.7	3078.8	3136.0	3089.0	2990.4	2919.2
22.5°	2473.1	2486.4	2561.5	2718.8	2934.8	3135.2	3237.7	3205.6	3078.8	2980.2
25°	2341.6	2355.7	2443.4	2629.6	2896.5	3175.9	3358.2	3337.9	3179.0	3056.1
27.5°	2228.1	2243.0	2338.5	2541.2	2837.0	3191.5	3477.2	3487.4	3300.3	3139.9
30°	2138.9	2153.0	2254.7	2470.0	2760.3	3175.9	3581.3	3651.7	3424.0	3212.7
32.5°	2041.1	2059.1	2166.3	2383.1	2669.5	3138.3	3672.1	3829.4	3567.2	3290.9
35°	1917.4	1933.9	2046.6	2264.1	2550.6	3078.1	3748.0	4026.6	3772.3	3409.9
37.5°	1767.2	1782.8	1894.7	2115.4	2432.4	2993.5	3805.9	4248.9	4016.4	3581.3
40°	1616.1	1631.0	1735.9	1949.5	2290.7	2885.5	3826.3	4466.4	4296.6	3816.9
42.5°	1477.6	1490.9	1587.2	1785.9	2131.9	2747.8	3799.6	4655.8	4547.8	3981.2
45°	1350.0	1361.8	1447.1	1632.6	1966.7	2580.3	3719.8	4859.3	4846.8	4098.6
47.5°	1204.5	1216.2	1304.6	1483.9	1801.6	2383.9	3584.4	5059.7	5262.4	4364.7
50°	1026.8	1037.0	1127.8	1312.5	1630.2	2174.9	3396.6	5217.0	5786.7	4767.7
52.5°	816.3	827.2	915.7	1100.4	1426.7	1950.3	3149.3	5319.5	6392.5	5356.3
55°	607.3	615.1	691.8	857.8	1174.7	1694.4	2839.4	5348.5	7079.6	6160.8
57.5°	440.6	445.3	494.6	618.3	890.6	1374.3	2462.9	5273.3	7897.5	7192.3
60°	356.9	358.4	373.3	428.1	619.1	1012.7	2008.2	5015.1	8785.0	8522.0
62.5°	324.0	324.0	327.9	342.8	418.7	668.4	1458.0	4479.7	9736.6	10202.3
65°	301.3	301.3	302.9	309.9	330.3	425.7	920.4	3607.9	10538.8	12170.6
67.5°	281.0	281.7	281.0	283.3	295.0	314.6	533.8	2491.9	10970.8	14210.1
70°	259.8	261.4	257.5	257.5	266.9	267.7	334.2	1366.5	10612.4	15919.4
72.5°	234.8	237.1	230.9	229.3	236.4	233.2	251.2	655.8	9111.3	16429.6
75°	212.9	216.0	201.9	198.0	198.0	195.7	204.3	336.5	5913.5	13402.4
77.5°	193.3	199.6	176.9	164.4	161.2	154.2	166.7	205.8	2586.6	6292.3
80°	159.7	168.3	145.6	130.7	125.2	117.4	131.5	144.0	769.3	1461.2
82.5°	119.0	122.9	103.3	93.1	88.4	83.0	98.6	100.2	250.4	517.3
85°	75.9	77.5	63.4	54.8	52.4	50.1	62.6	54.8	95.5	380.4
87.5°	26.6	30.5	24.3	21.9	23.5	19.6	29.0	16.4	26.6	268.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2751.7  
2753.3  
2771.3  
2790.1  
2797.1  
2803.4  
2819.0  
2853.4  
2905.9  
2962.2  
3031.1  
3113.3  
3174.3  
3242.4  
3355.9  
3509.3  
3740.2  
3882.6  
3965.6  
4211.3  
4575.2  
5119.1  
5864.2  
6819.0  
8051.6  
9572.3  
11373.9  
13350.0  
15693.2  
17024.4  
14335.3  
6161.6  
1399.3  
584.6  
552.5  
332.6  
0.0

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