

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: P847864

Luminaire Tested: **GLAN-SB4A-930-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847864  
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-930-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11999 lumens  
Efficiency: N/A  
Efficacy: 105.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

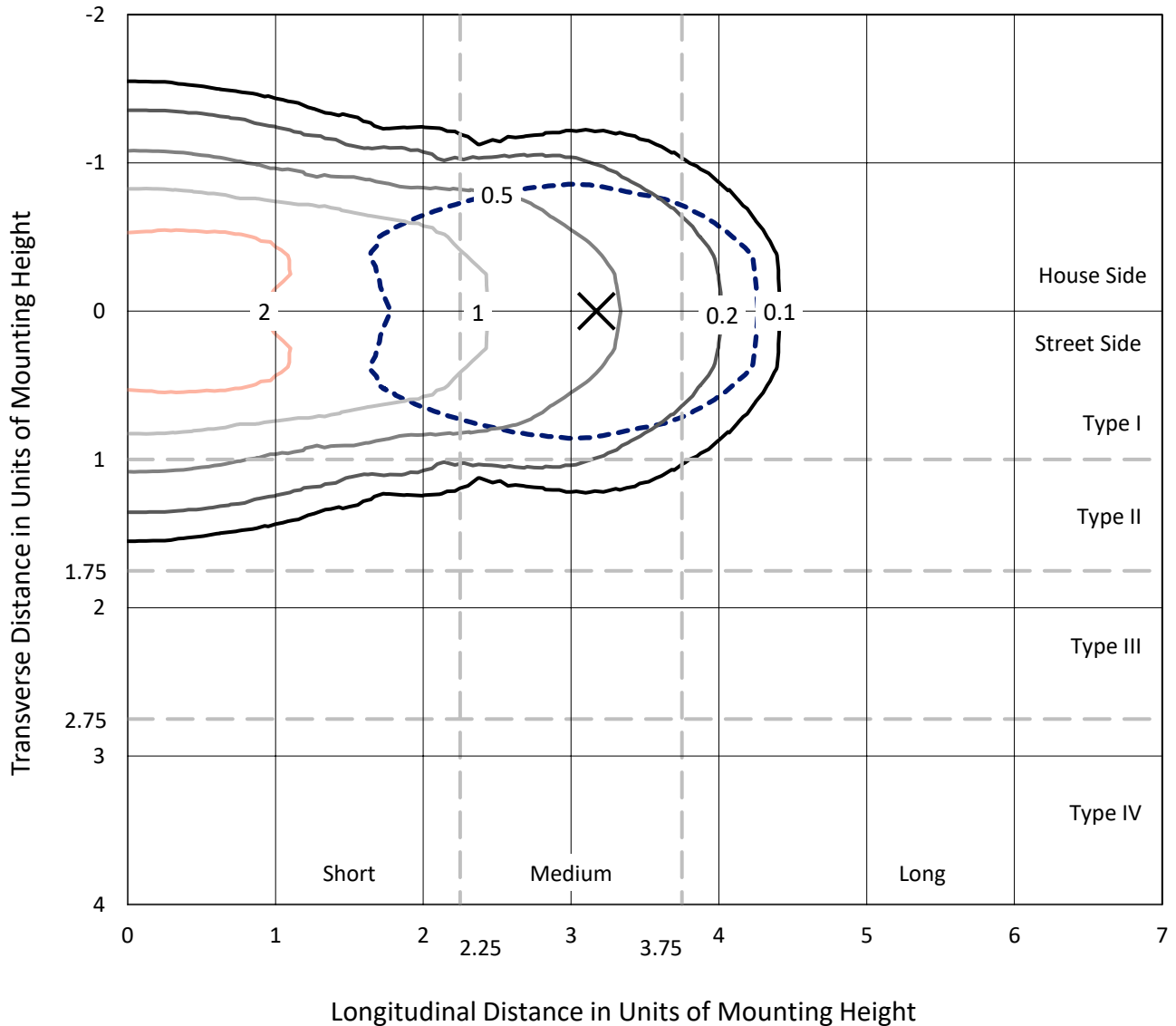
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

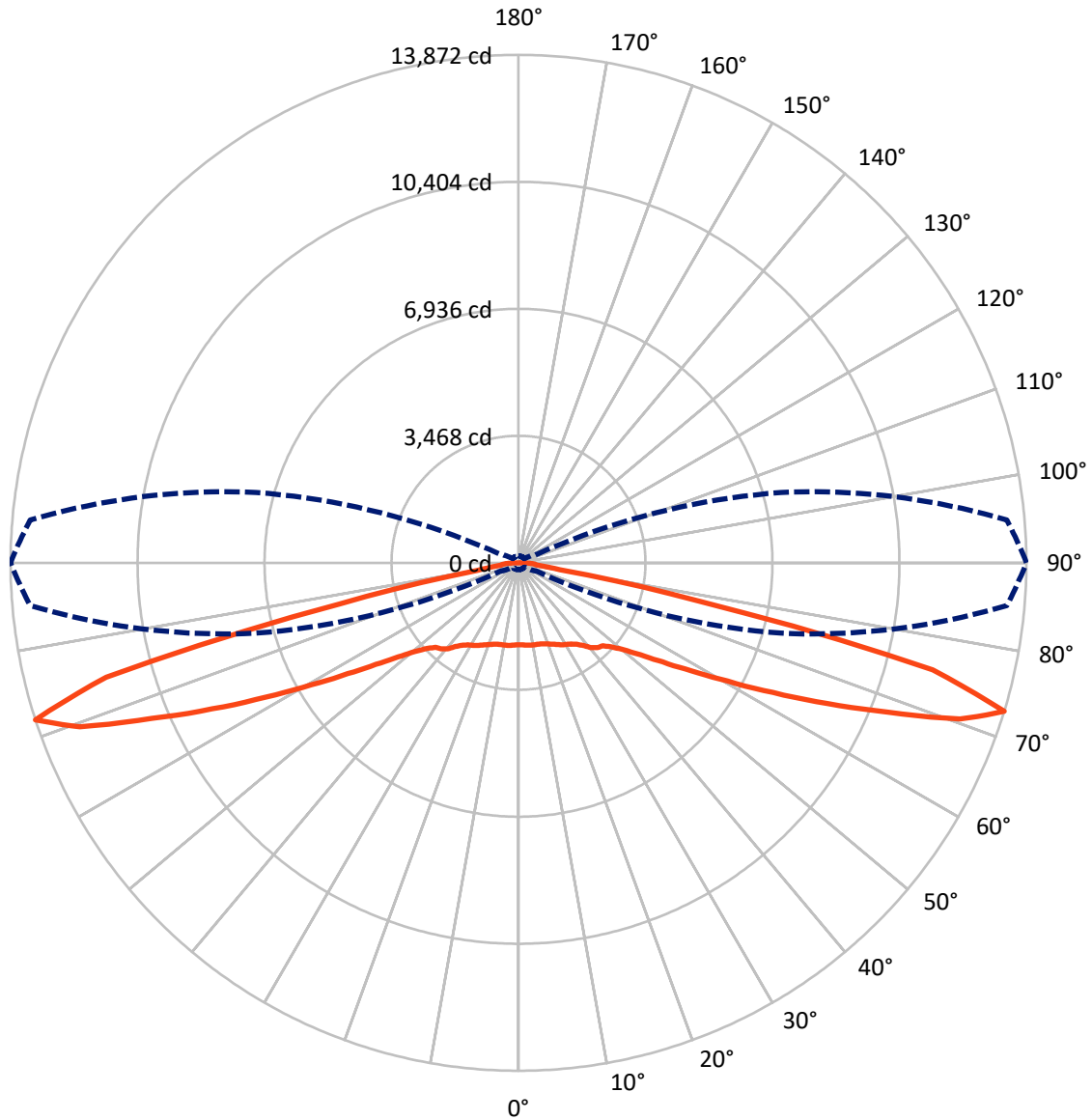
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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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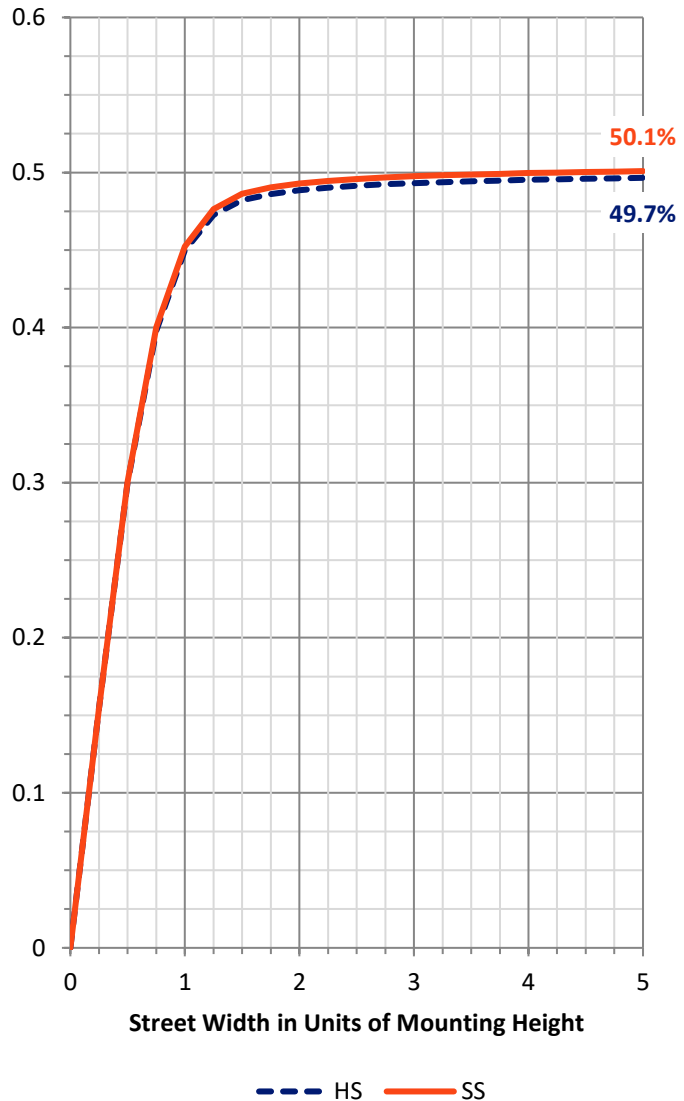
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5999.5	0.0	5999.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5999.5	0.0	5999.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11999.0	0.0	11999.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.4	1.8
10°-20°	664.7	5.5
20°-30°	1108.4	9.2
30°-40°	1524.4	12.7
40°-50°	1861.7	15.5
50°-60°	2153.2	17.9
60°-70°	2567.3	21.4
70°-80°	1791.8	14.9
80°-90°	110.1	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°	11999.0	100.0
0°-180°	11999.0	100.0

**Coefficient of Utilization**

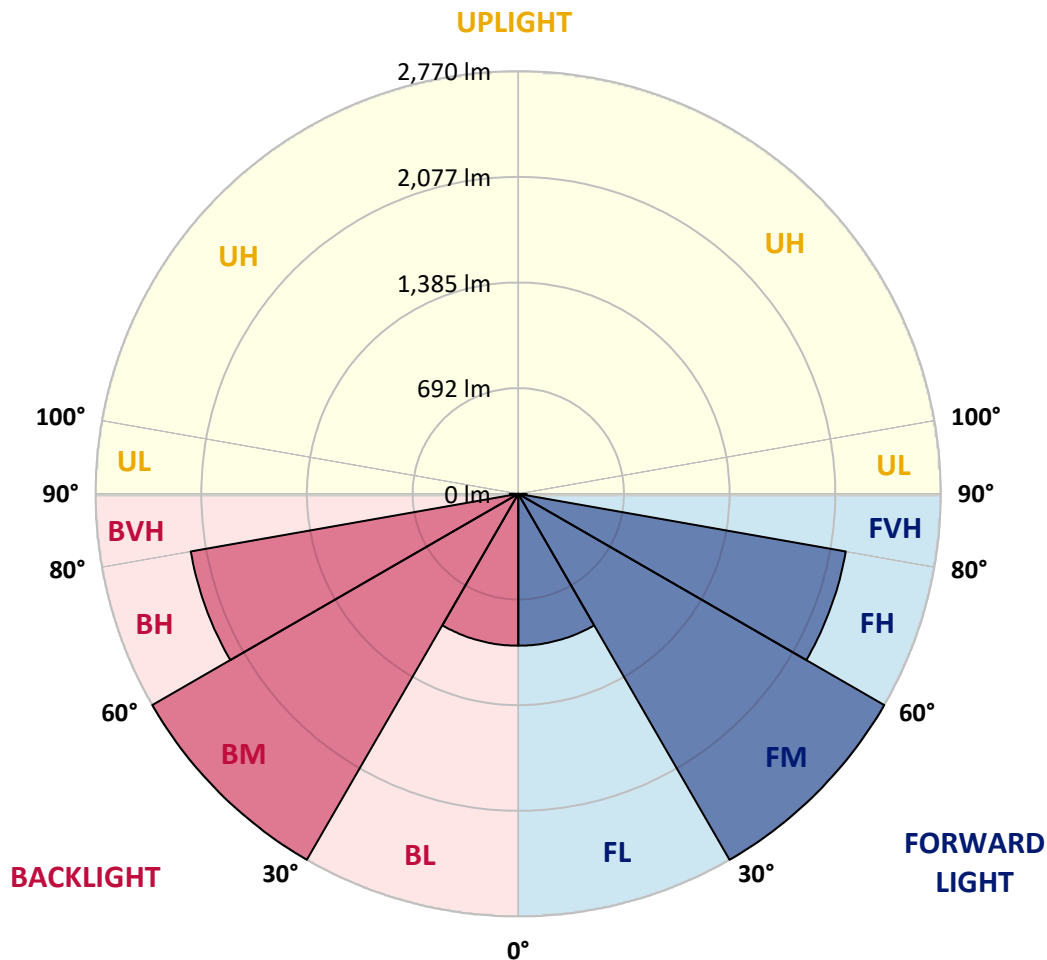


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	995.3	8.3			
FM (30°-60°)	2769.6	23.1			
FH (60°-80°)	2179.6	18.2			G2/5000
FVH (80°-90°)	55.0	0.5			G1/100
BL (0°-30°)	995.3	8.3	B2/1000		
BM (30°-60°)	2769.6	23.1	B3/5000		
BH (60°-80°)	2179.6	18.2	B3/2500		G3/2500
BVH (80°-90°)	55.0	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°	2242.1	2242.1	2242.1	2242.1	2242.1	2242.1	2242.1	2242.1	2242.1	2242.1
2.5°	2244.1	2246.6	2246.6	2244.7	2249.2	2245.3	2245.3	2243.4	2245.3	2243.4
5°	2255.5	2258.7	2260.0	2259.4	2265.1	2261.9	2261.9	2259.4	2260.0	2258.1
7.5°	2277.2	2281.7	2284.2	2287.4	2295.7	2291.9	2289.3	2281.7	2278.5	2273.4
10°	2284.2	2289.3	2297.6	2314.2	2333.3	2334.0	2326.3	2307.2	2292.5	2281.0
12.5°	2262.5	2269.6	2286.8	2320.6	2363.3	2380.5	2368.4	2336.5	2307.8	2287.4
15°	2235.1	2242.8	2268.9	2319.9	2383.1	2423.2	2422.0	2379.9	2334.0	2302.1
17.5°	2192.4	2200.1	2237.7	2309.1	2398.4	2464.7	2482.6	2439.2	2374.8	2332.1
20°	2115.2	2122.3	2174.5	2274.7	2403.5	2508.7	2555.2	2517.0	2436.6	2378.6
22.5°	2015.1	2026.0	2087.2	2215.4	2391.4	2554.6	2638.1	2612.0	2508.7	2428.3
25°	1908.0	1919.5	1990.9	2142.7	2360.1	2587.8	2736.4	2719.8	2590.3	2490.2
27.5°	1815.5	1827.6	1905.4	2070.6	2311.6	2600.5	2833.3	2841.6	2689.2	2558.4
30°	1742.8	1754.3	1837.2	2012.6	2249.2	2587.8	2918.1	2975.5	2789.9	2617.7
32.5°	1663.1	1677.8	1765.1	1941.8	2175.2	2557.2	2992.1	3120.2	2906.6	2681.5
35°	1562.4	1575.7	1667.6	1844.9	2078.3	2508.1	3053.9	3280.9	3073.7	2778.4
37.5°	1439.9	1452.7	1543.9	1723.7	1982.0	2439.2	3101.1	3462.1	3272.7	2918.1
40°	1316.8	1329.0	1414.4	1588.5	1866.5	2351.2	3117.7	3639.3	3501.0	3110.0
42.5°	1204.0	1214.8	1293.2	1455.2	1737.1	2239.0	3096.0	3793.7	3705.7	3244.0
45°	1100.0	1109.6	1179.1	1330.2	1602.5	2102.5	3031.0	3959.5	3949.3	3339.6
47.5°	981.4	991.0	1063.0	1209.1	1468.0	1942.4	2920.6	4122.7	4287.9	3556.4
50°	836.7	844.9	918.9	1069.4	1328.3	1772.2	2767.6	4250.9	4715.1	3884.8
52.5°	665.1	674.0	746.1	896.6	1162.5	1589.1	2566.1	4334.4	5208.7	4364.4
55°	494.9	501.2	563.7	698.9	957.2	1380.6	2313.6	4358.0	5768.6	5019.9
57.5°	359.0	362.8	403.0	503.8	725.7	1119.8	2006.8	4296.8	6435.0	5860.4
60°	290.8	292.1	304.2	348.8	504.4	825.2	1636.3	4086.4	7158.1	6943.9
62.5°	264.0	264.0	267.2	279.3	341.2	544.6	1188.0	3650.2	7933.6	8313.0
65°	245.5	245.5	246.8	252.5	269.1	346.9	749.9	2939.8	8587.2	9916.8
67.5°	228.9	229.6	228.9	230.8	240.4	256.4	434.9	2030.4	8939.2	11578.6
70°	211.7	213.0	209.8	209.8	217.5	218.1	272.3	1113.4	8647.2	12971.4
72.5°	191.3	193.2	188.1	186.8	192.6	190.0	204.7	534.4	7424.1	13387.2
75°	173.5	176.0	164.5	161.3	161.3	159.4	166.4	274.2	4818.4	10920.5
77.5°	157.5	162.6	144.1	133.9	131.4	125.6	135.8	167.7	2107.6	5127.1
80°	130.1	137.1	118.6	106.5	102.0	95.7	107.1	117.3	626.9	1190.6
82.5°	96.9	100.1	84.2	75.9	72.1	67.6	80.3	81.6	204.1	421.5
85°	61.9	63.1	51.7	44.6	42.7	40.8	51.0	44.6	77.8	309.9
87.5°	21.7	24.9	19.8	17.9	19.1	15.9	23.6	13.4	21.7	218.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2242.1  
2243.4  
2258.1  
2273.4  
2279.1  
2284.2  
2297.0  
2325.0  
2367.8  
2413.7  
2469.8  
2536.8  
2586.5  
2642.0  
2734.4  
2859.4  
3047.6  
3163.6  
3231.2  
3431.4  
3728.0  
4171.2  
4778.3  
5556.2  
6560.6  
7799.7  
9267.6  
10877.8  
12787.1  
13871.8  
11680.7  
5020.6  
1140.2  
476.4  
450.2  
271.0  
0.0

OF REPORT)