

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: P847814

Luminaire Tested: **GLAN-SB4A-830-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847814  
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-830-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15271 lumens  
Efficiency: N/A  
Efficacy: 134.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

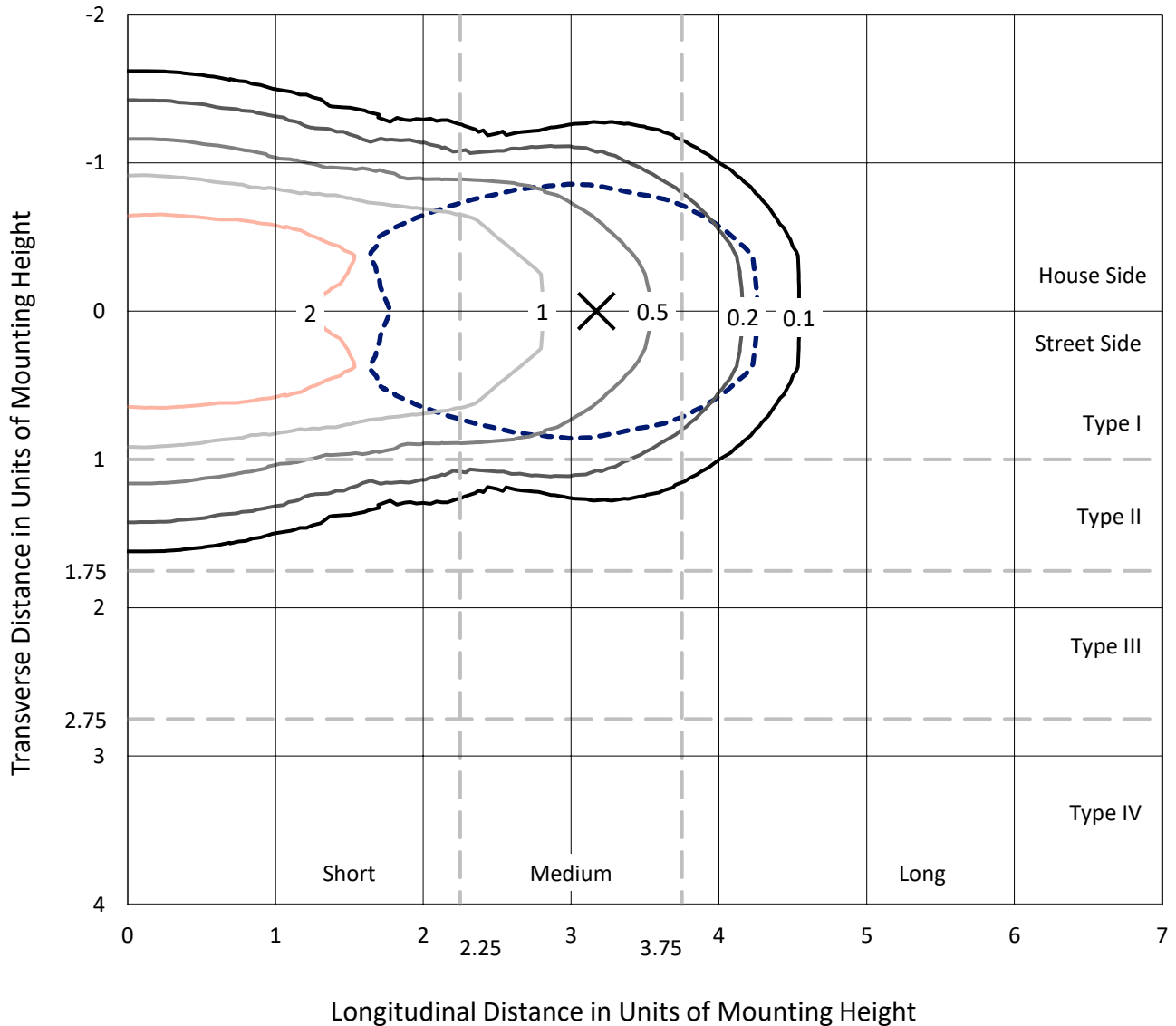
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

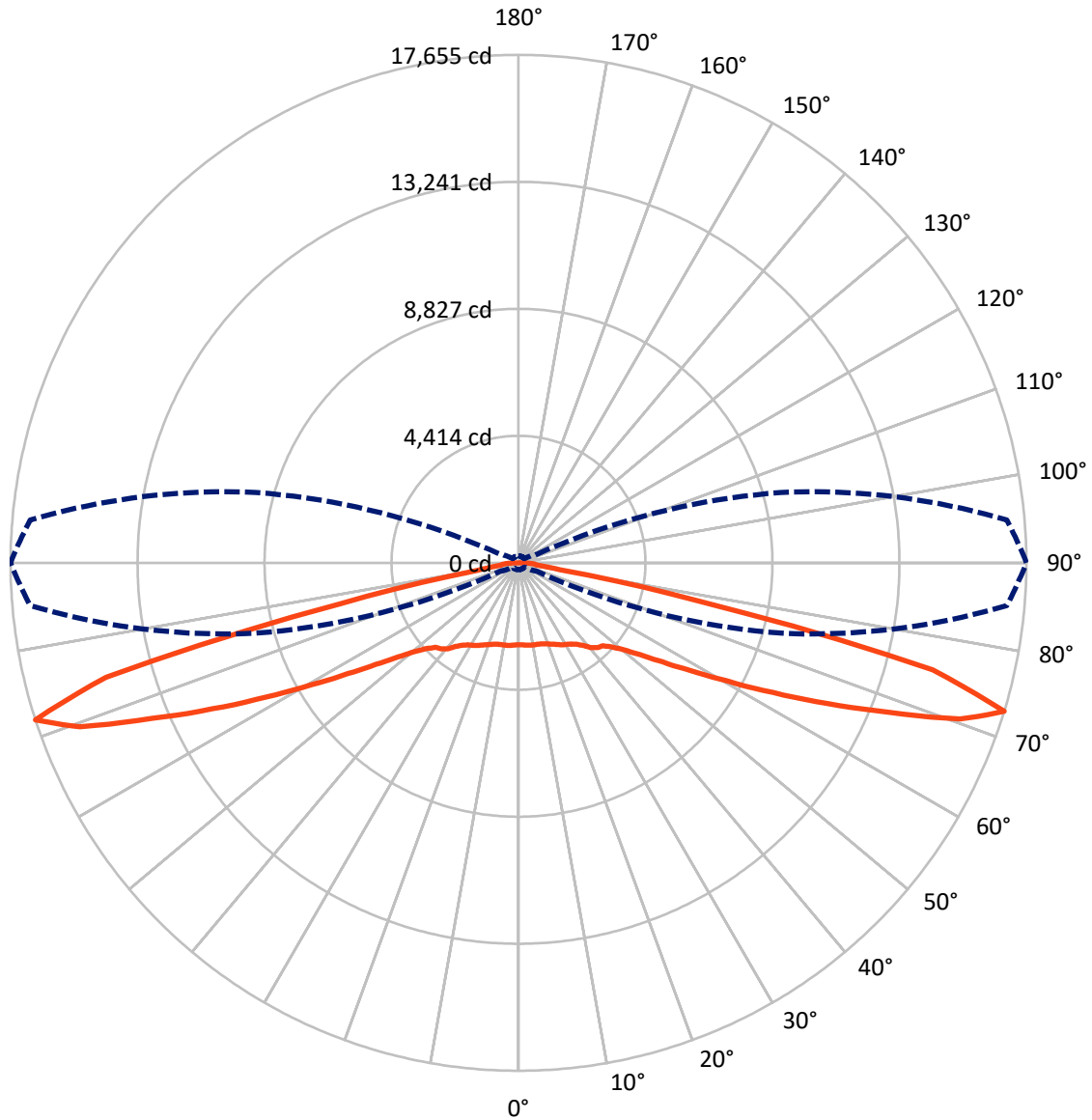
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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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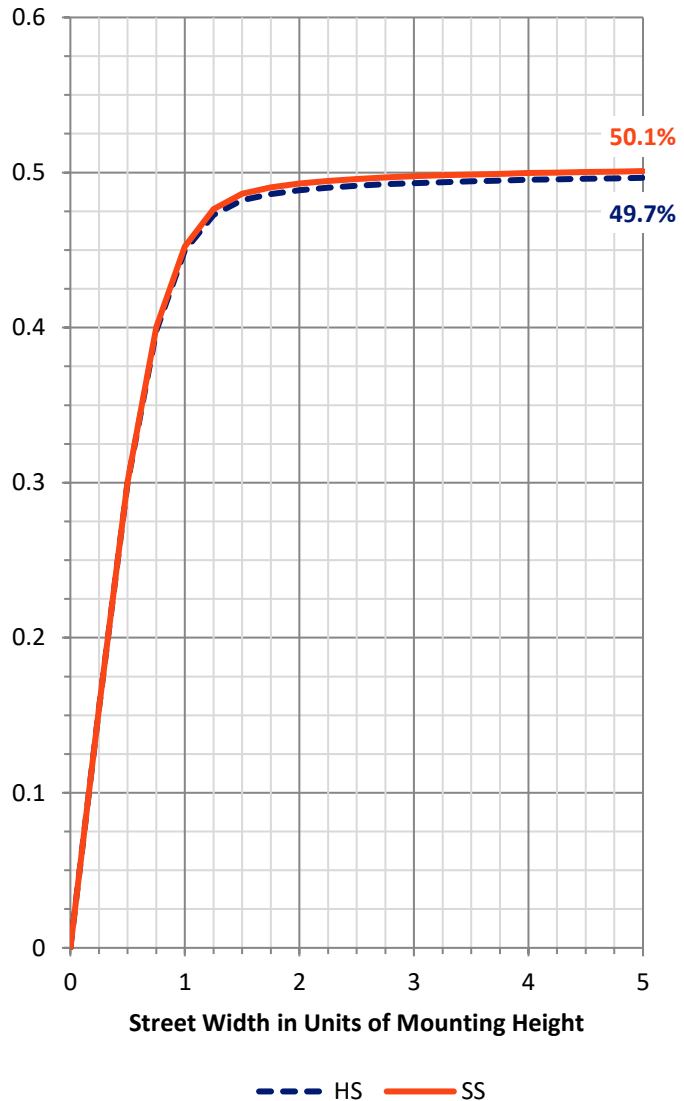
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7635.5	0.0	7635.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7635.5	0.0	7635.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15271.0	0.0	15271.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	276.7	1.8
10°-20°	846.0	5.5
20°-30°	1410.6	9.2
30°-40°	1940.0	12.7
40°-50°	2369.3	15.5
50°-60°	2740.4	17.9
60°-70°	3267.4	21.4
70°-80°	2280.5	14.9
80°-90°	140.1	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°	15271.0	100.0
0°-180°	15271.0	100.0

**Coefficient of Utilization**

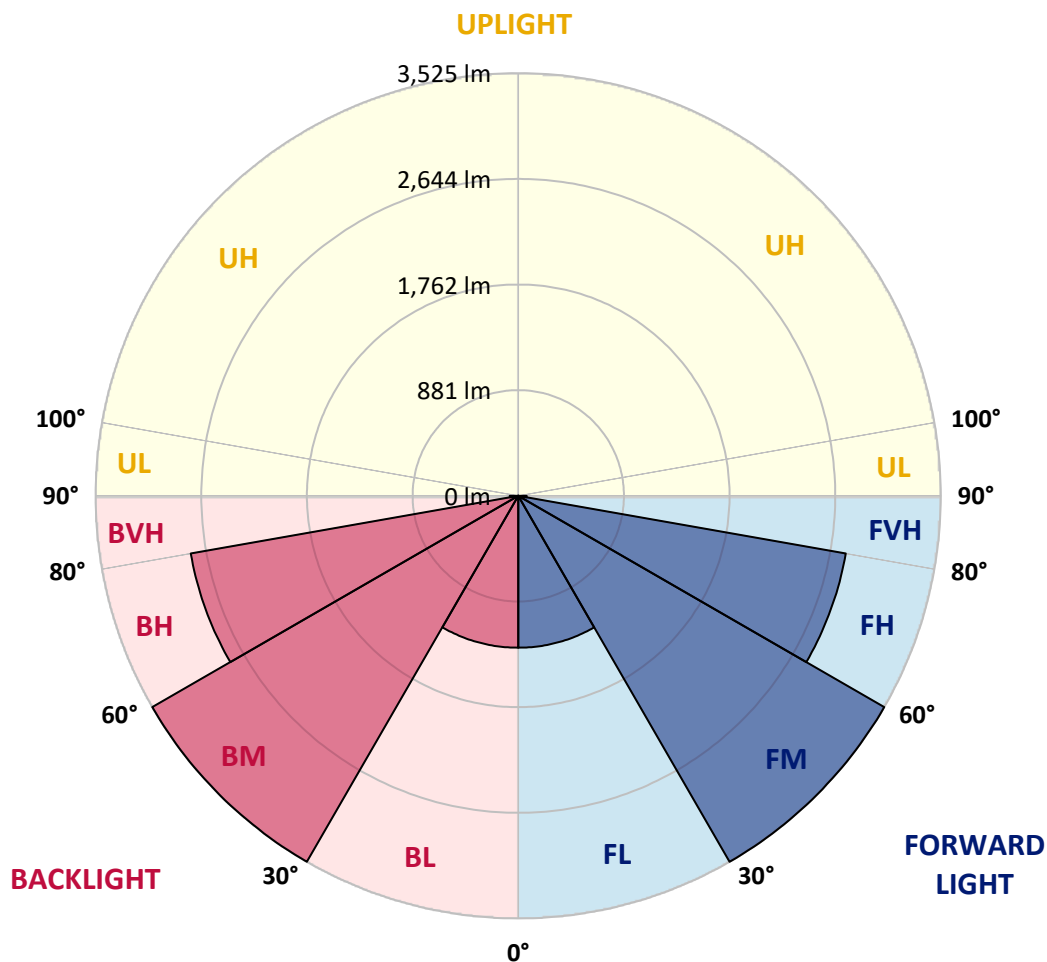


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1266.7	8.3			
FM (30°-60°)	3524.9	23.1			
FH (60°-80°)	2774.0	18.2			G2/5000
FVH (80°-90°)	70.0	0.5			G1/100
BL (0°-30°)	1266.7	8.3	B3/2500		
BM (30°-60°)	3524.9	23.1	B3/5000		
BH (60°-80°)	2774.0	18.2	B4/5000		G4/5000
BVH (80°-90°)	70.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**  
 Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2853.5	2853.5	2853.5	2853.5	2853.5	2853.5	2853.5	2853.5	2853.5	2853.5
2.5°	2856.0	2859.2	2859.2	2856.8	2862.5	2857.6	2857.6	2855.2	2857.6	2855.2
5°	2870.6	2874.6	2876.3	2875.5	2882.8	2878.7	2878.7	2875.5	2876.3	2873.8
7.5°	2898.2	2903.9	2907.1	2911.2	2921.7	2916.9	2913.6	2903.9	2899.8	2893.3
10°	2907.1	2913.6	2924.2	2945.3	2969.6	2970.4	2960.7	2936.3	2917.7	2903.1
12.5°	2879.5	2888.4	2910.4	2953.4	3007.7	3029.7	3014.2	2973.7	2937.1	2911.2
15°	2844.6	2854.4	2887.6	2952.6	3032.9	3084.0	3082.4	3028.9	2970.4	2929.8
17.5°	2790.2	2800.0	2847.9	2938.8	3052.4	3136.8	3159.5	3104.3	3022.4	2968.0
20°	2692.0	2701.0	2767.5	2894.9	3058.9	3192.8	3252.0	3203.3	3101.1	3027.2
22.5°	2564.6	2578.4	2656.3	2819.5	3043.5	3251.2	3357.5	3324.3	3192.8	3090.5
25°	2428.3	2442.9	2533.8	2726.9	3003.7	3293.4	3482.5	3461.4	3296.7	3169.3
27.5°	2310.6	2326.0	2425.0	2635.2	2942.0	3309.7	3605.9	3616.4	3422.5	3256.1
30°	2218.1	2232.7	2338.2	2561.4	2862.5	3293.4	3713.8	3786.9	3550.7	3331.6
32.5°	2116.6	2135.3	2246.5	2471.3	2768.3	3254.5	3808.0	3971.1	3699.2	3412.7
35°	1988.4	2005.4	2122.3	2347.9	2645.0	3192.0	3886.7	4175.6	3911.9	3536.1
37.5°	1832.6	1848.8	1964.9	2193.7	2522.4	3104.3	3946.8	4406.1	4165.1	3713.8
40°	1675.9	1691.4	1800.1	2021.7	2375.5	2992.3	3967.9	4631.7	4455.6	3958.1
42.5°	1532.3	1546.1	1645.9	1852.0	2210.8	2849.5	3940.3	4828.1	4716.1	4128.6
45°	1400.0	1412.2	1500.6	1693.0	2039.5	2675.8	3857.5	5039.2	5026.2	4250.3
47.5°	1249.0	1261.2	1352.9	1538.8	1868.3	2472.1	3717.1	5246.9	5457.1	4526.2
50°	1064.8	1075.4	1169.5	1361.0	1690.5	2255.4	3522.3	5410.1	6000.9	4944.2
52.5°	846.5	857.8	949.6	1141.1	1479.5	2022.5	3265.8	5516.4	6629.1	5554.5
55°	629.8	637.9	717.4	889.5	1218.2	1757.1	2944.4	5546.4	7341.6	6388.8
57.5°	456.9	461.8	512.9	641.2	923.6	1425.2	2554.1	5468.5	8189.7	7458.5
60°	370.1	371.7	387.1	443.9	642.0	1050.2	2082.5	5200.7	9110.1	8837.4
62.5°	336.0	336.0	340.1	355.5	434.2	693.1	1512.0	4645.5	10097.0	10579.9
65°	312.5	312.5	314.1	321.4	342.5	441.5	954.4	3741.4	10928.9	12621.0
67.5°	291.4	292.2	291.4	293.8	306.0	326.3	553.5	2584.1	11376.9	14736.0
70°	269.4	271.1	267.0	267.0	276.8	277.6	346.5	1417.0	11005.1	16508.5
72.5°	243.5	245.9	239.4	237.8	245.1	241.9	260.5	680.1	9448.5	17037.7
75°	220.8	224.0	209.4	205.3	205.3	202.9	211.8	349.0	6132.4	13898.5
77.5°	200.5	207.0	183.4	170.4	167.2	159.9	172.9	213.4	2682.3	6525.2
80°	165.6	174.5	151.0	135.5	129.9	121.7	136.3	149.3	797.8	1515.2
82.5°	123.4	127.4	107.1	96.6	91.7	86.0	102.3	103.9	259.7	536.5
85°	78.7	80.3	65.7	56.8	54.4	51.9	64.9	56.8	99.0	394.4
87.5°	27.6	31.7	25.2	22.7	24.3	20.3	30.0	17.0	27.6	278.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2853.5  
2855.2  
2873.8  
2893.3  
2900.6  
2907.1  
2923.3  
2959.1  
3013.4  
3071.9  
3143.3  
3228.5  
3291.8  
3362.4  
3480.1  
3639.2  
3878.6  
4026.3  
4112.3  
4367.2  
4744.6  
5308.6  
6081.2  
7071.4  
8349.6  
9926.5  
11794.8  
13844.1  
16274.0  
17654.5  
14865.9  
6389.6  
1451.1  
606.3  
573.0  
344.9  
0.0

OF REPORT)