

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: P847854

Luminaire Tested: **GLAN-SB4A-927-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847854  
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-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11453 lumens  
Efficiency: N/A  
Efficacy: 100.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

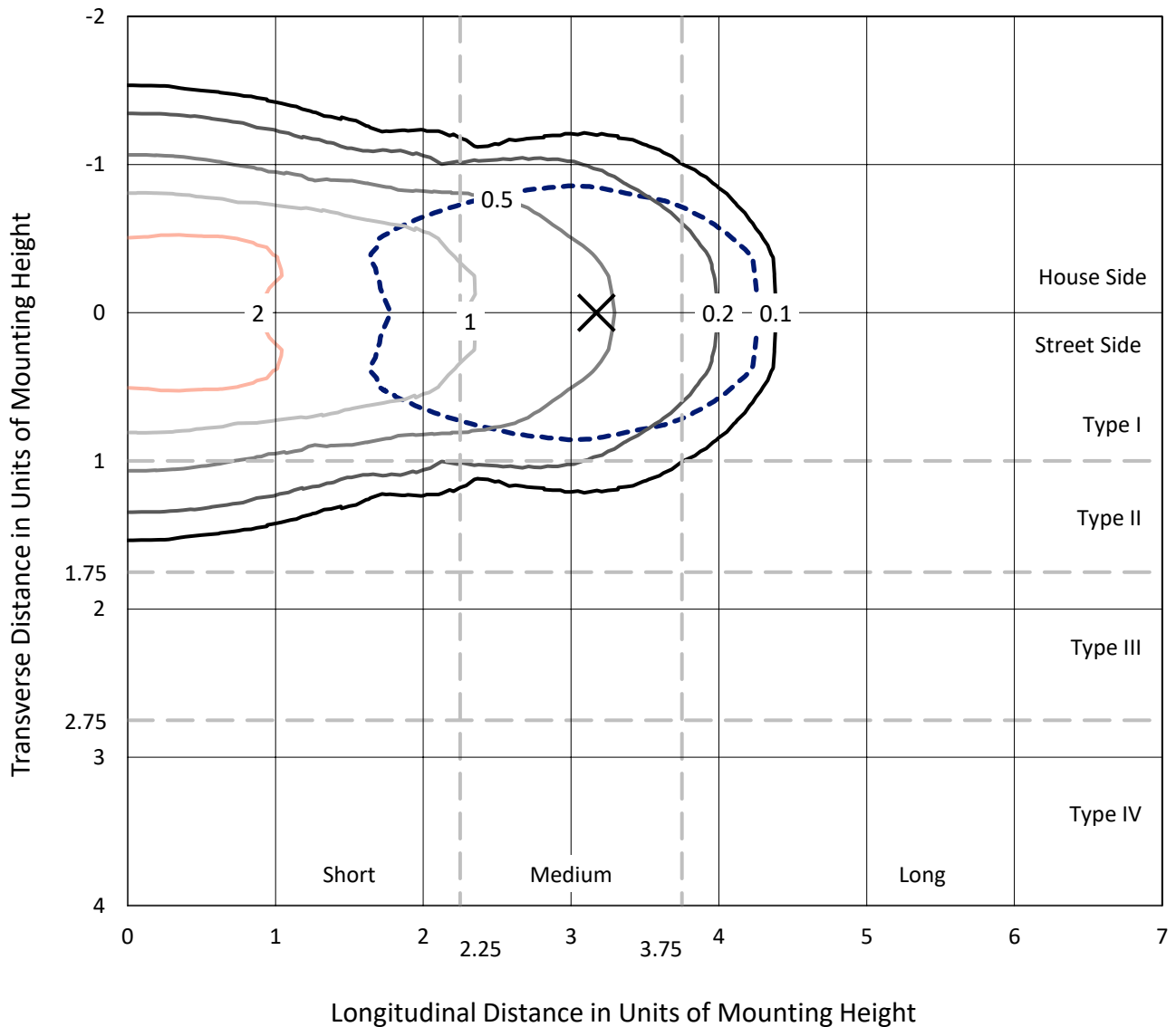
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

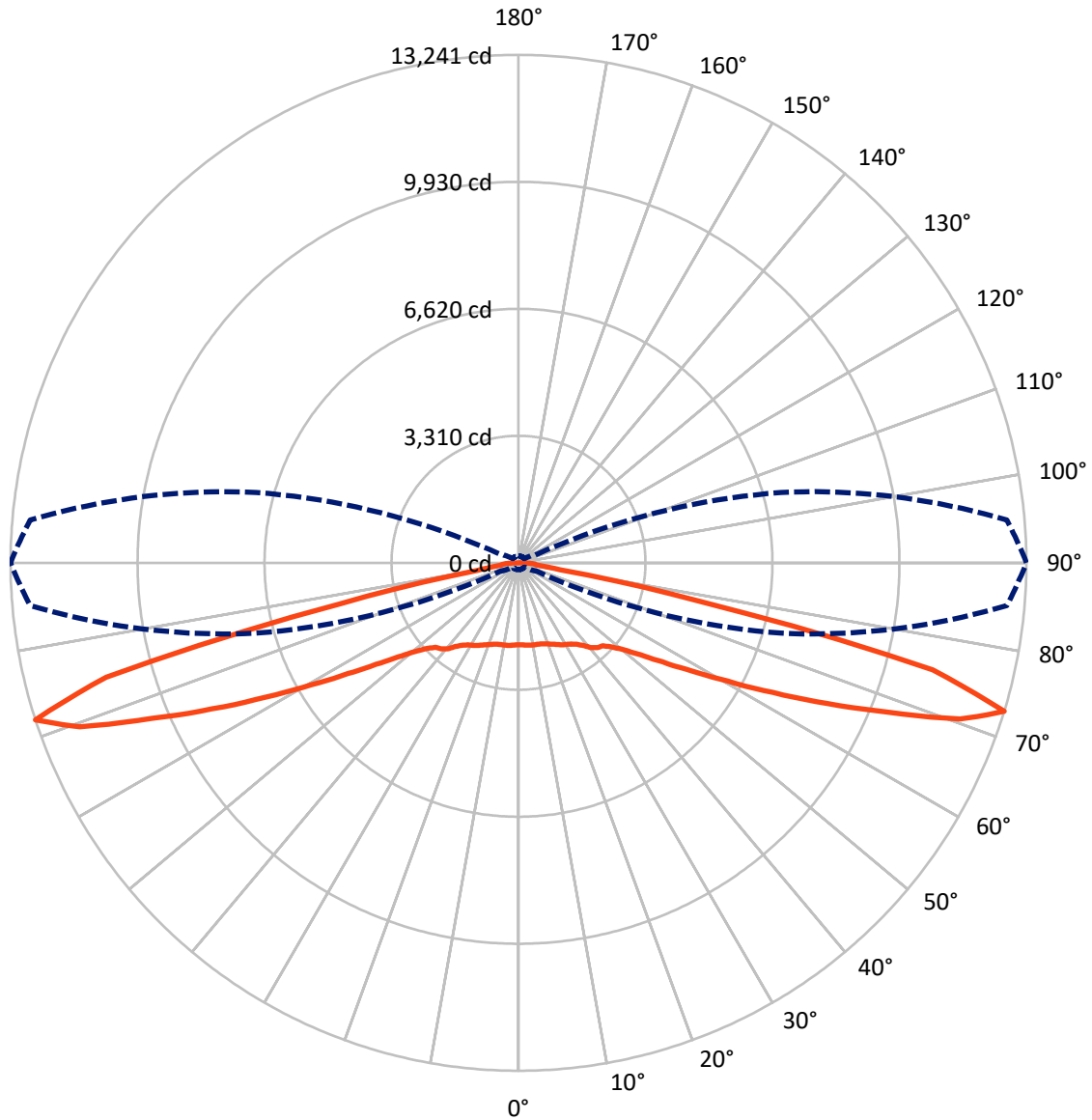
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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	5726.5	0.0	5726.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5726.5	0.0	5726.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11453.0	0.0	11453.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	207.5	1.8
10°-20°	634.5	5.5
20°-30°	1057.9	9.2
30°-40°	1455.0	12.7
40°-50°	1776.9	15.5
50°-60°	2055.2	17.9
60°-70°	2450.5	21.4
70°-80°	1710.3	14.9
80°-90°	105.0	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°	11453.0	100.0
0°-180°	11453.0	100.0

**Coefficient of Utilization**



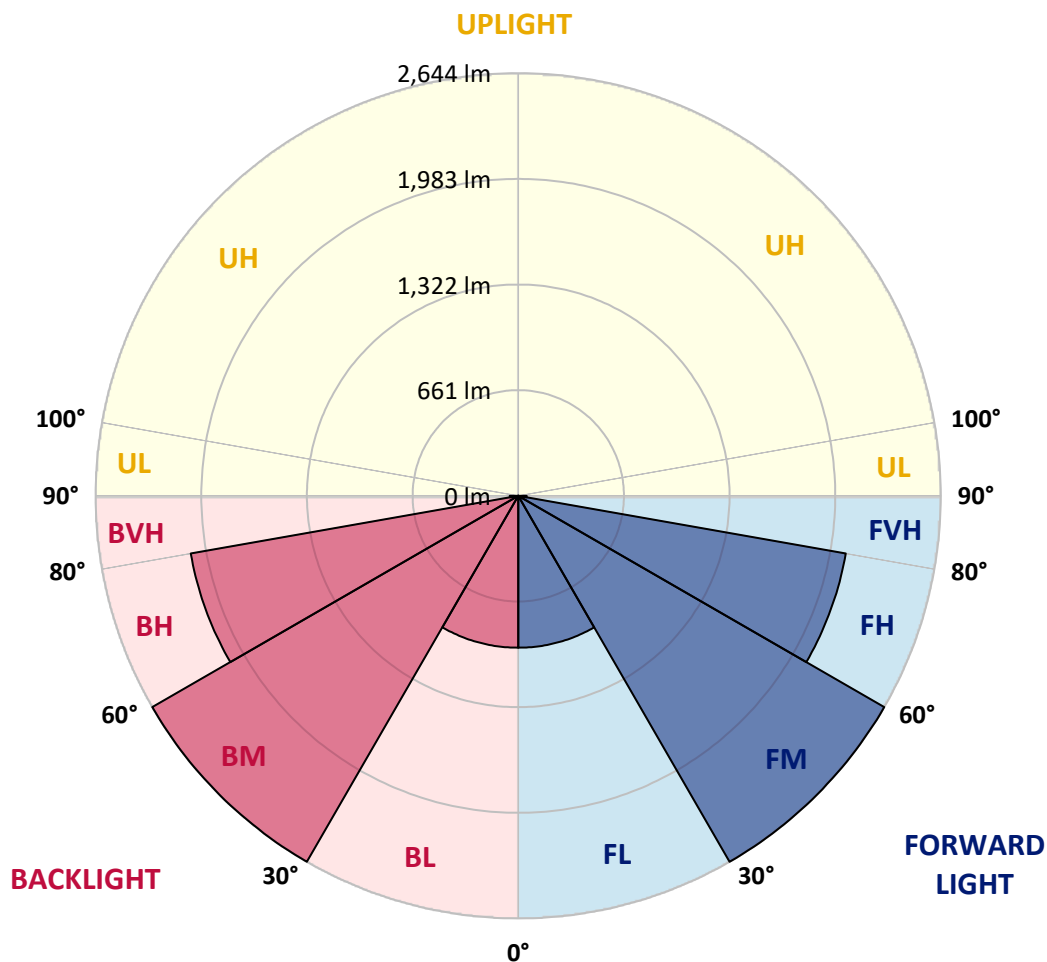
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	950.0	8.3			
FM (30°-60°)	2643.6	23.1			
FH (60°-80°)	2080.4	18.2			G2/5000
FVH (80°-90°)	52.5	0.5			G1/100
BL (0°-30°)	950.0	8.3	B2/1000		
BM (30°-60°)	2643.6	23.1	B3/5000		
BH (60°-80°)	2080.4	18.2	B3/2500		G3/2500
BVH (80°-90°)	52.5	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2140.1	2140.1	2140.1	2140.1	2140.1	2140.1	2140.1	2140.1	2140.1	2140.1
2.5°	2141.9	2144.4	2144.4	2142.5	2146.8	2143.2	2143.2	2141.3	2143.2	2141.3
5°	2152.9	2155.9	2157.2	2156.5	2162.0	2159.0	2159.0	2156.5	2157.2	2155.3
7.5°	2173.6	2177.9	2180.3	2183.3	2191.2	2187.6	2185.2	2177.9	2174.8	2169.9
10°	2180.3	2185.2	2193.1	2208.9	2227.2	2227.8	2220.5	2202.2	2188.2	2177.2
12.5°	2159.6	2166.3	2182.7	2215.0	2255.8	2272.2	2260.6	2230.2	2202.8	2183.3
15°	2133.4	2140.7	2165.7	2214.4	2274.6	2313.0	2311.8	2271.6	2227.8	2197.3
17.5°	2092.6	2099.9	2135.9	2204.0	2289.2	2352.5	2369.6	2328.2	2266.7	2225.9
20°	2019.0	2025.7	2075.6	2171.2	2294.1	2394.5	2439.0	2402.5	2325.8	2270.4
22.5°	1923.4	1933.8	1992.2	2114.5	2282.5	2438.4	2518.1	2493.1	2394.5	2317.8
25°	1821.2	1832.1	1900.3	2045.2	2252.7	2470.0	2611.8	2596.0	2472.5	2376.9
27.5°	1732.9	1744.5	1818.7	1976.4	2206.5	2482.2	2704.4	2712.3	2566.8	2442.0
30°	1663.5	1674.5	1753.6	1921.0	2146.8	2470.0	2785.3	2840.1	2663.0	2498.6
32.5°	1587.4	1601.4	1684.8	1853.4	2076.2	2440.8	2855.9	2978.3	2774.4	2559.5
35°	1491.3	1504.0	1591.7	1760.9	1983.7	2393.9	2915.0	3131.7	2933.8	2652.0
37.5°	1374.4	1386.6	1473.6	1645.3	1891.8	2328.2	2960.0	3304.5	3123.7	2785.3
40°	1256.9	1268.5	1350.0	1516.2	1781.6	2244.2	2975.8	3473.7	3341.6	2968.5
42.5°	1149.2	1159.5	1234.4	1389.0	1658.0	2137.1	2955.1	3621.0	3537.0	3096.3
45°	1050.0	1059.1	1125.4	1269.7	1529.6	2006.8	2893.0	3779.3	3769.5	3187.6
47.5°	936.8	945.9	1014.7	1154.1	1401.2	1854.0	2787.7	3935.1	4092.8	3394.6
50°	798.6	806.5	877.1	1020.8	1267.9	1691.5	2641.7	4057.5	4500.6	3708.1
52.5°	634.9	643.4	712.2	855.8	1109.6	1516.8	2449.3	4137.2	4971.7	4165.8
55°	472.3	478.4	538.1	667.1	913.6	1317.8	2208.3	4159.7	5506.1	4791.5
57.5°	342.7	346.3	384.7	480.9	692.7	1068.8	1915.5	4101.3	6142.2	5593.8
60°	277.6	278.8	290.3	332.9	481.5	787.6	1561.9	3900.4	6832.4	6627.9
62.5°	252.0	252.0	255.0	266.6	325.6	519.8	1134.0	3484.1	7572.6	7934.7
65°	234.3	234.3	235.6	241.0	256.9	331.1	715.8	2806.0	8196.5	9465.6
67.5°	218.5	219.1	218.5	220.3	229.5	244.7	415.1	1938.0	8532.5	11051.8
70°	202.1	203.3	200.3	200.3	207.6	208.2	259.9	1062.8	8253.7	12381.1
72.5°	182.6	184.4	179.6	178.3	183.8	181.4	195.4	510.1	7086.2	12778.0
75°	165.6	168.0	157.0	154.0	154.0	152.2	158.9	261.7	4599.2	10423.6
77.5°	150.3	155.2	137.6	127.8	125.4	119.9	129.6	160.1	2011.7	4893.8
80°	124.2	130.9	113.2	101.6	97.4	91.3	102.3	112.0	598.3	1136.4
82.5°	92.5	95.6	80.3	72.4	68.8	64.5	76.7	77.9	194.8	402.3
85°	59.0	60.3	49.3	42.6	40.8	39.0	48.7	42.6	74.3	295.8
87.5°	20.7	23.7	18.9	17.0	18.3	15.2	22.5	12.8	20.7	208.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2140.1  
2141.3  
2155.3  
2169.9  
2175.4  
2180.3  
2192.5  
2219.2  
2260.0  
2303.8  
2357.4  
2421.3  
2468.8  
2521.8  
2610.0  
2729.3  
2908.9  
3019.7  
3084.2  
3275.3  
3558.3  
3981.4  
4560.8  
5303.4  
6262.1  
7444.7  
8845.9  
10382.8  
12205.2  
13240.6  
11149.2  
4792.1  
1088.3  
454.7  
429.7  
258.7  
0.0

OF REPORT)