

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: P847004

Luminaire Tested: **GLAN-SB2D-927-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847004  
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-SB2D-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12965 lumens  
Efficiency: N/A  
Efficacy: 87.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

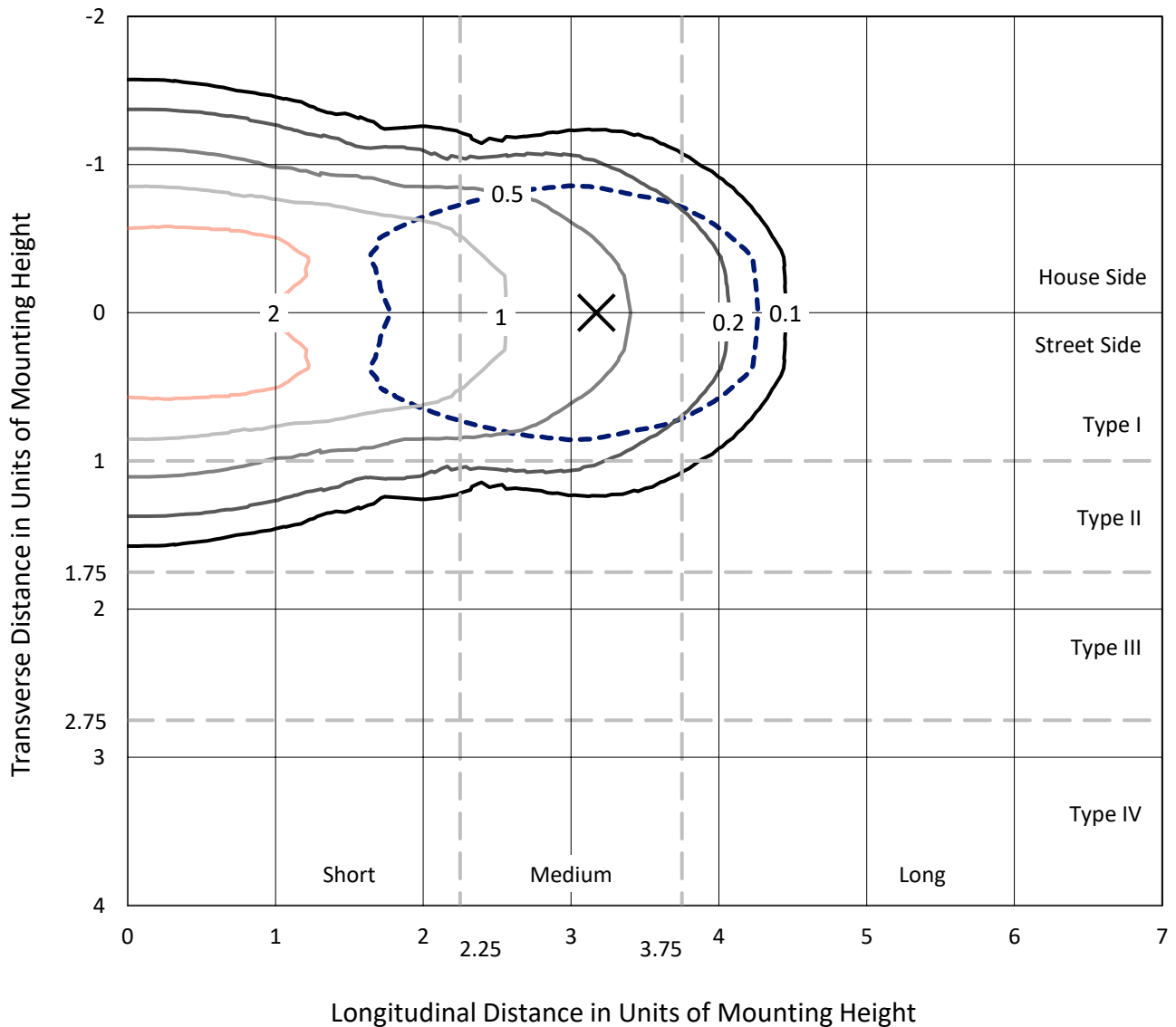
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

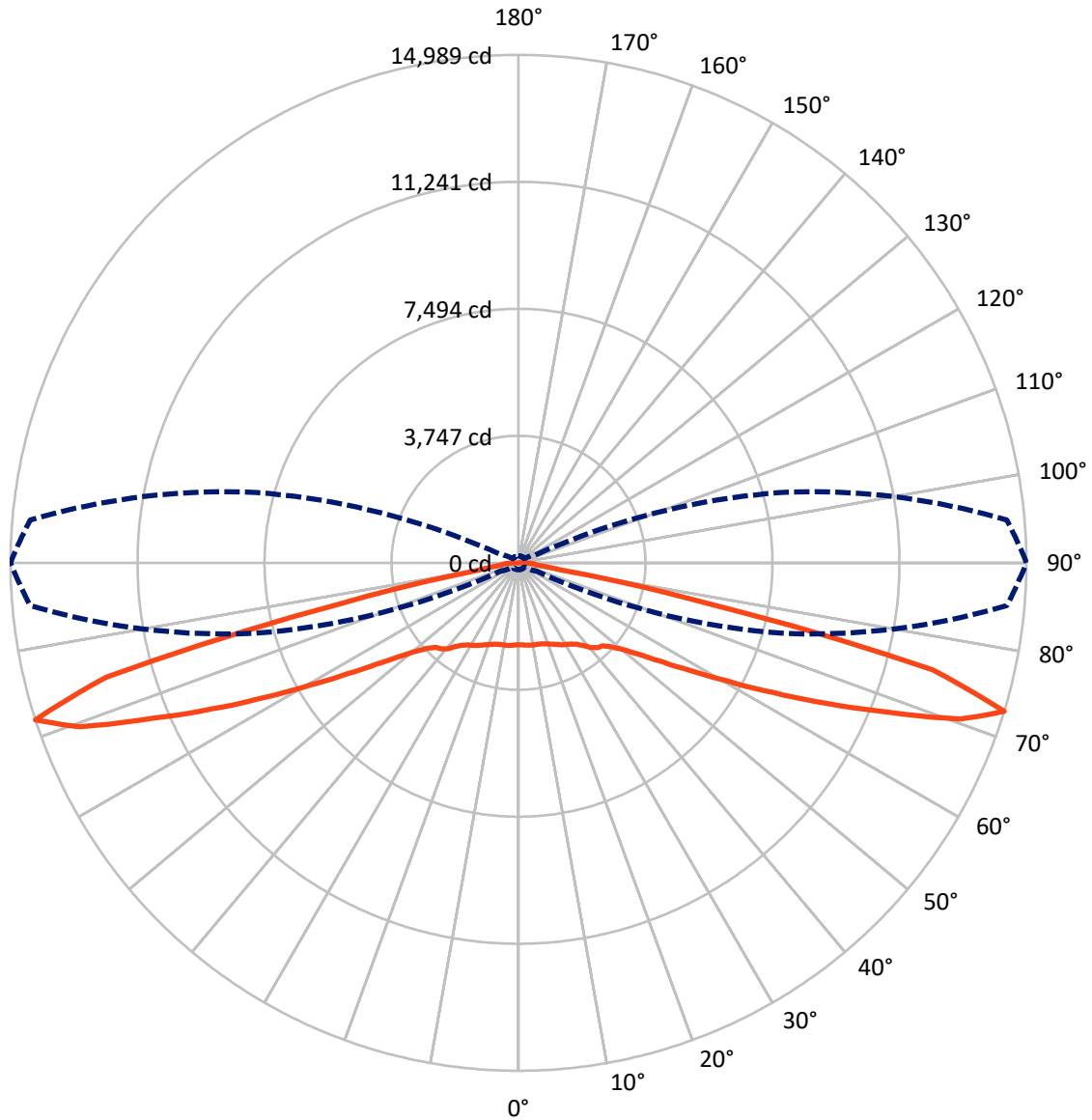
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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	6482.5	0.0	6482.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6482.5	0.0	6482.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12965.0	0.0	12965.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	234.9	1.8
10°-20°	718.2	5.5
20°-30°	1197.6	9.2
30°-40°	1647.1	12.7
40°-50°	2011.5	15.5
50°-60°	2326.6	17.9
60°-70°	2774.0	21.4
70°-80°	1936.1	14.9
80°-90°	118.9	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°	12965.0	100.0
0°-180°	12965.0	100.0

**Coefficient of Utilization**



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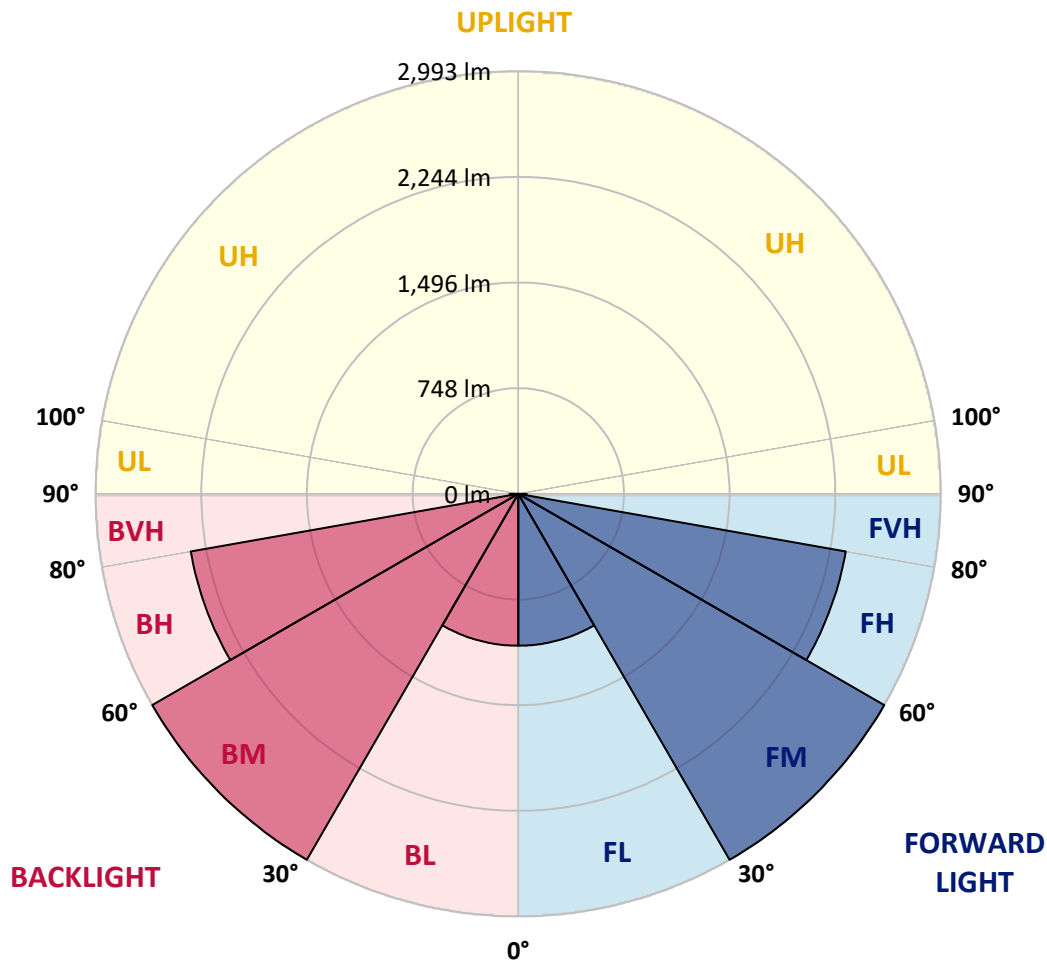
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1075.4	8.3			
FM (30°-60°)	2992.6	23.1			
FH (60°-80°)	2355.1	18.2			G2/5000
FVH (80°-90°)	59.5	0.5			G1/100
BL (0°-30°)	1075.4	8.3	B3/2500		
BM (30°-60°)	2992.6	23.1	B3/5000		
BH (60°-80°)	2355.1	18.2	B3/2500		G3/2500
BVH (80°-90°)	59.5	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°	2422.6	2422.6	2422.6	2422.6	2422.6	2422.6	2422.6	2422.6	2422.6	2422.6
2.5°	2424.7	2427.5	2427.5	2425.4	2430.2	2426.1	2426.1	2424.0	2426.1	2424.0
5°	2437.1	2440.6	2441.9	2441.3	2447.5	2444.0	2444.0	2441.3	2441.9	2439.9
7.5°	2460.5	2465.4	2468.1	2471.6	2480.5	2476.4	2473.6	2465.4	2461.9	2456.4
10°	2468.1	2473.6	2482.6	2500.5	2521.2	2521.9	2513.6	2492.9	2477.1	2464.7
12.5°	2444.7	2452.3	2470.9	2507.4	2553.6	2572.2	2559.1	2524.6	2493.6	2471.6
15°	2415.1	2423.3	2451.6	2506.7	2574.9	2618.3	2617.0	2571.5	2521.9	2487.4
17.5°	2368.9	2377.2	2417.8	2495.0	2591.5	2663.1	2682.4	2635.6	2566.0	2519.8
20°	2285.5	2293.1	2349.6	2457.8	2597.0	2710.7	2761.0	2719.6	2632.8	2570.1
22.5°	2177.4	2189.1	2255.2	2393.7	2583.9	2760.3	2850.5	2822.3	2710.7	2623.8
25°	2061.6	2074.0	2151.2	2315.2	2550.1	2796.1	2956.6	2938.7	2798.9	2690.7
27.5°	1961.7	1974.8	2058.8	2237.3	2497.8	2809.9	3061.4	3070.3	2905.7	2764.4
30°	1883.1	1895.5	1985.1	2174.6	2430.2	2796.1	3153.0	3215.0	3014.5	2828.5
32.5°	1797.0	1812.9	1907.2	2098.1	2350.3	2763.0	3233.0	3371.4	3140.6	2897.4
35°	1688.1	1702.6	1801.8	1993.4	2245.6	2710.0	3299.8	3545.1	3321.1	3002.1
37.5°	1555.8	1569.6	1668.2	1862.5	2141.5	2635.6	3350.8	3740.8	3536.1	3153.0
40°	1422.9	1435.9	1528.3	1716.4	2016.8	2540.5	3368.7	3932.3	3782.8	3360.4
42.5°	1300.9	1312.6	1397.4	1572.4	1876.9	2419.2	3345.3	4099.1	4004.0	3505.1
45°	1188.6	1198.9	1274.0	1437.3	1731.5	2271.7	3275.0	4278.2	4267.2	3608.5
47.5°	1060.4	1070.8	1148.6	1306.4	1586.2	2098.8	3155.8	4454.6	4633.1	3842.7
50°	904.0	913.0	992.9	1155.5	1435.3	1914.8	2990.4	4593.1	5094.7	4197.6
52.5°	718.7	728.3	806.2	968.8	1256.1	1717.1	2772.7	4683.4	5628.0	4715.8
55°	534.7	541.6	609.1	755.2	1034.2	1491.8	2499.8	4708.9	6233.0	5424.1
57.5°	387.9	392.1	435.5	544.3	784.1	1209.9	2168.4	4642.7	6953.1	6332.2
60°	314.2	315.6	328.7	376.9	545.0	891.6	1768.1	4415.3	7734.4	7502.9
62.5°	285.3	285.3	288.7	301.8	368.6	588.4	1283.7	3944.0	8572.3	8982.3
65°	265.3	265.3	266.7	272.9	290.8	374.8	810.3	3176.5	9278.5	10715.2
67.5°	247.4	248.1	247.4	249.4	259.8	277.0	469.9	2193.9	9658.9	12510.8
70°	228.8	230.1	226.7	226.7	235.0	235.6	294.2	1203.1	9343.3	14015.7
72.5°	206.7	208.8	203.3	201.9	208.1	205.3	221.2	577.4	8021.7	14464.9
75°	187.4	190.2	177.8	174.3	174.3	172.3	179.8	296.3	5206.3	11799.7
77.5°	170.2	175.7	155.7	144.7	141.9	135.7	146.8	181.2	2277.3	5539.8
80°	140.6	148.1	128.2	115.1	110.2	103.4	115.8	126.8	677.3	1286.4
82.5°	104.7	108.2	91.0	82.0	77.9	73.0	86.8	88.2	220.5	455.5
85°	66.8	68.2	55.8	48.2	46.2	44.1	55.1	48.2	84.1	334.9
87.5°	23.4	26.9	21.4	19.3	20.7	17.2	25.5	14.5	23.4	236.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2422.6  
2424.0  
2439.9  
2456.4  
2462.6  
2468.1  
2481.9  
2512.2  
2558.4  
2608.0  
2668.6  
2741.0  
2794.7  
2854.7  
2954.6  
3089.6  
3292.9  
3418.3  
3491.3  
3707.7  
4028.1  
4507.0  
5162.9  
6003.6  
7088.8  
8427.6  
10013.7  
11753.6  
13816.5  
14988.6  
12621.1  
5424.8  
1232.0  
514.7  
486.5  
292.8  
0.0

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