

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: P847014

Luminaire Tested: **GLAN-SB2D-930-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847014
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-930-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13582 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

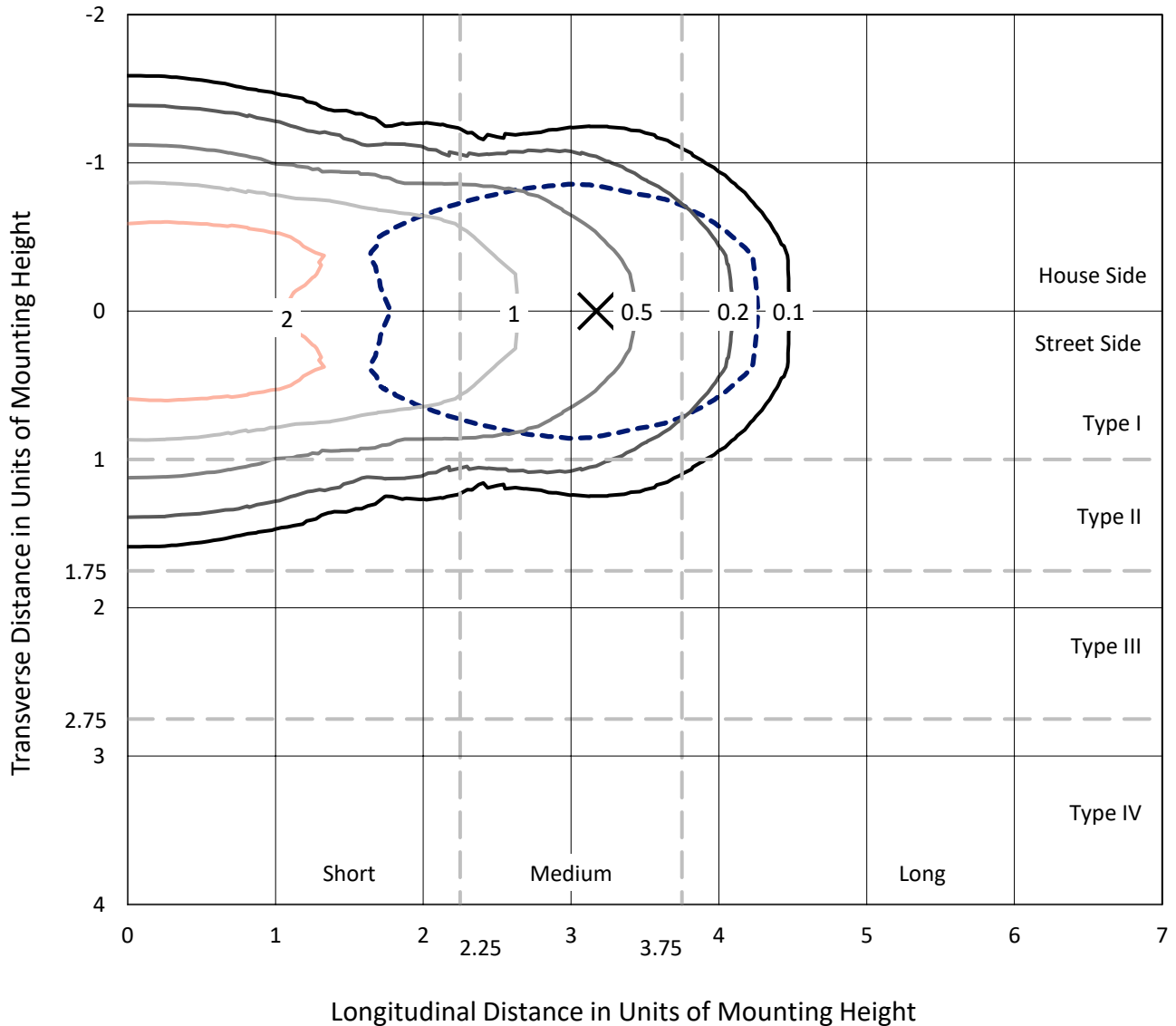
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P847014
 CATALOG NUMBER: GLAN-SB2D-930-U-T1

Iso-Footcandle Lines of Horizontal Illumination

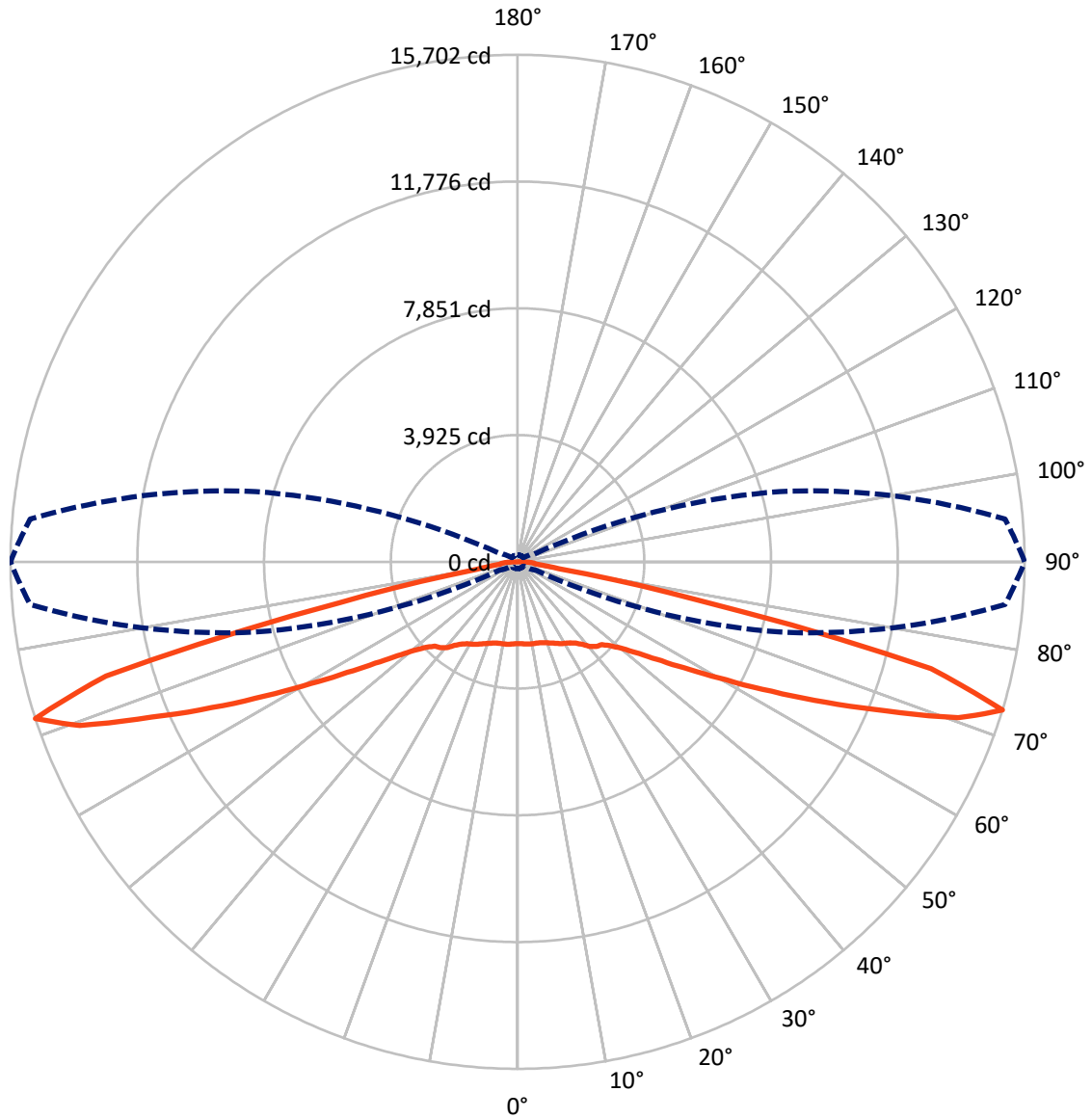
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type I - Short - N/A

REPORT NUMBER: P847014
CATALOG NUMBER: GLAN-SB2D-930-U-T1

Luminous Intensity Polar Plot



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

REPORT NUMBER: P847014
 CATALOG NUMBER: GLAN-SB2D-930-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6791.0	0.0	6791.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6791.0	0.0	6791.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13582.0	0.0	13582.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.1	1.8
10°-20°	752.4	5.5
20°-30°	1254.6	9.2
30°-40°	1725.5	12.7
40°-50°	2107.3	15.5
50°-60°	2437.3	17.9
60°-70°	2906.1	21.4
70°-80°	2028.2	14.9
80°-90°	124.6	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°	13582.0	100.0
0°-180°	13582.0	100.0

Coefficient of Utilization



REPORT NUMBER: P847014

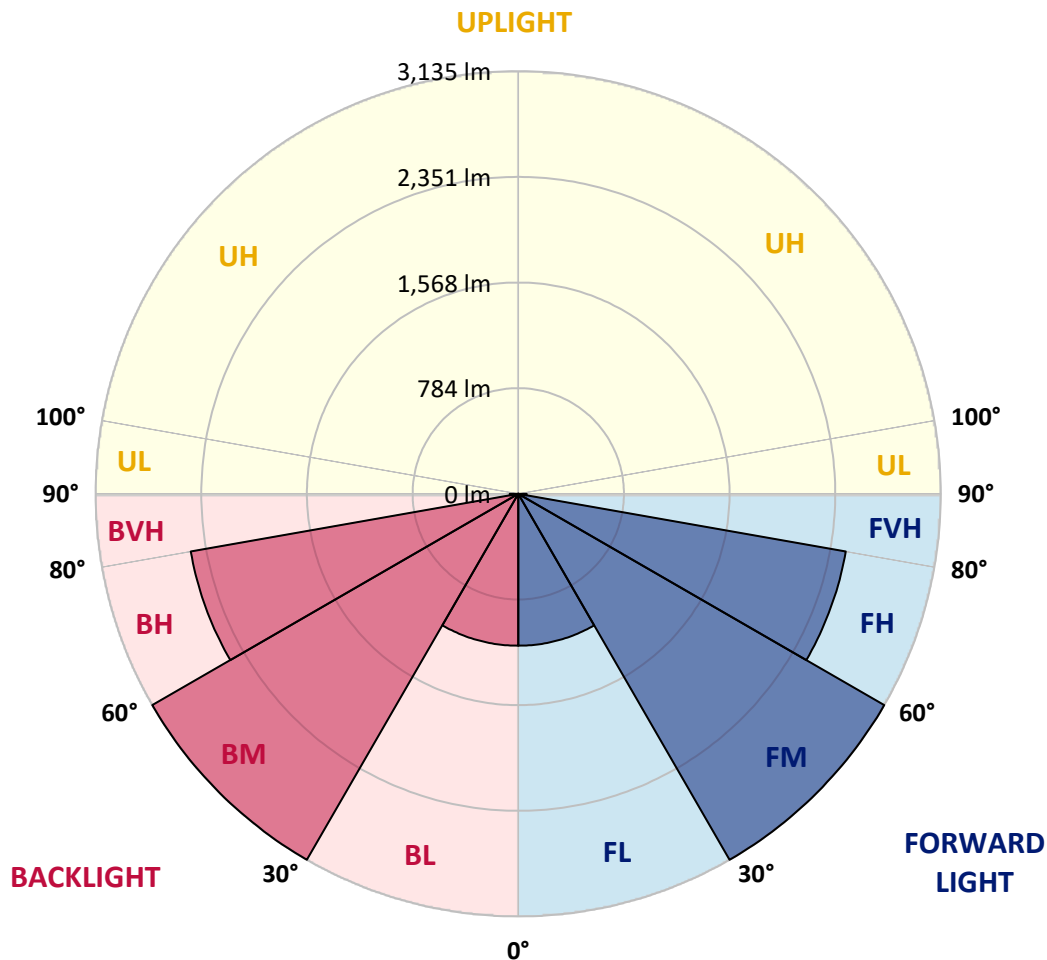
CATALOG NUMBER: GLAN-SB2D-930-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1126.6	8.3			
FM (30°-60°)	3135.0	23.1			
FH (60°-80°)	2467.1	18.2			G2/5000
FVH (80°-90°)	62.3	0.5			G1/100
BL (0°-30°)	1126.6	8.3	B3/2500		
BM (30°-60°)	3135.0	23.1	B3/5000		
BH (60°-80°)	2467.1	18.2	B3/2500		G3/2500
BVH (80°-90°)	62.3	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



REPORT NUMBER: P847014
 CATALOG NUMBER: GLAN-SB2D-930-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2537.9	2537.9	2537.9	2537.9	2537.9	2537.9	2537.9	2537.9	2537.9	2537.9
2.5°	2540.1	2543.0	2543.0	2540.8	2545.9	2541.5	2541.5	2539.4	2541.5	2539.4
5°	2553.1	2556.7	2558.2	2557.4	2563.9	2560.3	2560.3	2557.4	2558.2	2556.0
7.5°	2577.6	2582.7	2585.6	2589.2	2598.6	2594.2	2591.4	2582.7	2579.1	2573.3
10°	2585.6	2591.4	2600.7	2619.5	2641.2	2641.9	2633.2	2611.6	2595.0	2582.0
12.5°	2561.0	2569.0	2588.5	2626.7	2675.1	2694.6	2680.9	2644.8	2612.3	2589.2
15°	2530.0	2538.7	2568.3	2626.0	2697.5	2742.9	2741.5	2693.9	2641.9	2605.8
17.5°	2481.6	2490.3	2532.9	2613.7	2714.8	2789.9	2810.1	2761.0	2688.1	2639.7
20°	2394.3	2402.2	2461.4	2574.8	2720.6	2839.7	2892.4	2849.0	2758.1	2692.4
22.5°	2281.0	2293.2	2362.5	2507.6	2706.8	2891.6	2986.2	2956.6	2839.7	2748.7
25°	2159.7	2172.7	2253.5	2425.3	2671.5	2929.2	3097.4	3078.6	2932.1	2818.7
27.5°	2055.0	2068.8	2156.8	2343.8	2616.6	2943.6	3207.1	3216.5	3043.9	2896.0
30°	1972.8	1985.7	2079.6	2278.1	2545.9	2929.2	3303.1	3368.0	3158.0	2963.1
32.5°	1882.5	1899.1	1998.0	2198.0	2462.1	2894.5	3386.8	3531.9	3290.1	3035.3
35°	1768.5	1783.6	1887.6	2088.2	2352.4	2838.9	3456.8	3713.8	3479.2	3145.0
37.5°	1629.9	1644.3	1747.5	1951.1	2243.4	2761.0	3510.2	3918.8	3704.4	3303.1
40°	1490.6	1504.3	1601.0	1798.1	2112.8	2661.4	3529.0	4119.5	3962.8	3520.3
42.5°	1362.8	1375.1	1463.9	1647.2	1966.3	2534.3	3504.5	4294.1	4194.5	3671.9
45°	1245.1	1256.0	1334.7	1505.7	1813.9	2379.9	3430.8	4481.8	4470.3	3780.2
47.5°	1110.9	1121.7	1203.3	1368.6	1661.6	2198.7	3306.0	4666.6	4853.6	4025.6
50°	947.0	956.4	1040.2	1210.5	1503.6	2006.0	3132.7	4811.7	5337.2	4397.4
52.5°	752.9	763.0	844.5	1014.9	1315.9	1798.8	2904.6	4906.3	5895.9	4940.2
55°	560.1	567.4	638.1	791.1	1083.5	1562.8	2618.8	4933.0	6529.6	5682.2
57.5°	406.4	410.7	456.2	570.2	821.4	1267.5	2271.6	4863.7	7283.9	6633.6
60°	329.2	330.6	344.3	394.8	571.0	934.0	1852.2	4625.5	8102.5	7860.0
62.5°	298.8	298.8	302.4	316.2	386.2	616.4	1344.8	4131.7	8980.2	9409.7
65°	277.9	277.9	279.3	285.8	304.6	392.7	848.9	3327.6	9720.1	11225.1
67.5°	259.1	259.9	259.1	261.3	272.1	290.2	492.3	2298.3	10118.6	13106.2
70°	239.6	241.1	237.5	237.5	246.1	246.9	308.2	1260.3	9788.0	14682.7
72.5°	216.5	218.7	212.9	211.5	218.0	215.1	231.7	604.9	8403.5	15153.3
75°	196.3	199.2	186.2	182.6	182.6	180.5	188.4	310.4	5454.1	12361.3
77.5°	178.3	184.1	163.1	151.6	148.7	142.2	153.7	189.8	2385.6	5803.5
80°	147.3	155.2	134.3	120.5	115.5	108.3	121.3	132.8	709.6	1347.6
82.5°	109.7	113.3	95.3	85.9	81.6	76.5	91.0	92.4	231.0	477.1
85°	70.0	71.5	58.5	50.5	48.4	46.2	57.7	50.5	88.1	350.8
87.5°	24.5	28.2	22.4	20.2	21.7	18.0	26.7	15.2	24.5	247.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2537.9
2539.4
2556.0
2573.3
2579.8
2585.6
2600.0
2631.8
2680.1
2732.1
2795.6
2871.4
2927.7
2990.5
3095.2
3236.7
3449.6
3581.0
3657.5
3884.1
4219.8
4721.5
5408.6
6289.3
7426.1
8828.7
10490.3
12312.9
14474.1
15701.9
13221.7
5682.9
1290.6
539.2
509.6
306.8
0.0

OF REPORT)