

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: P848534

Luminaire Tested: **GLAN-SB5A-927-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848534
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-SB5A-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 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: 14436 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

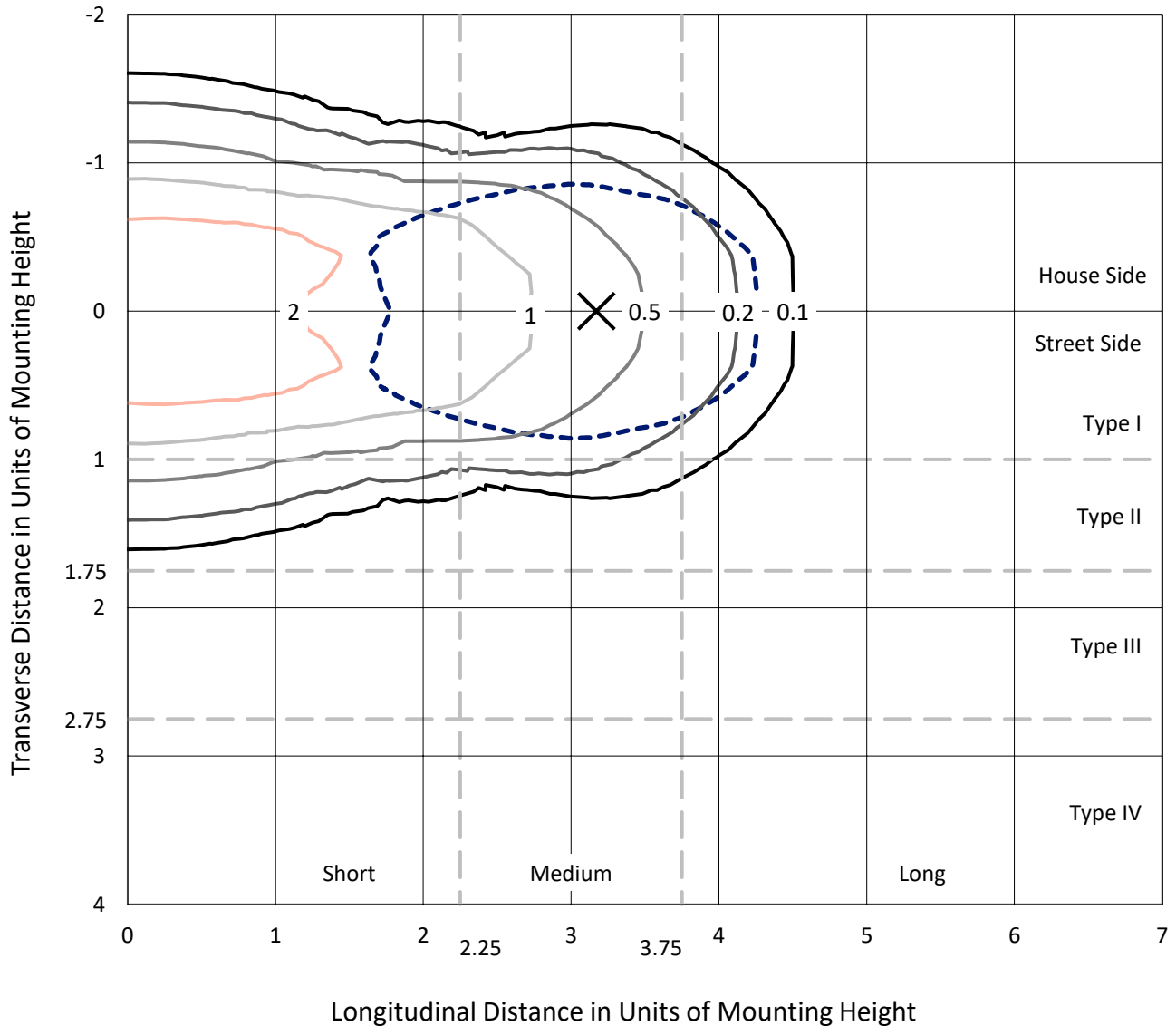
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

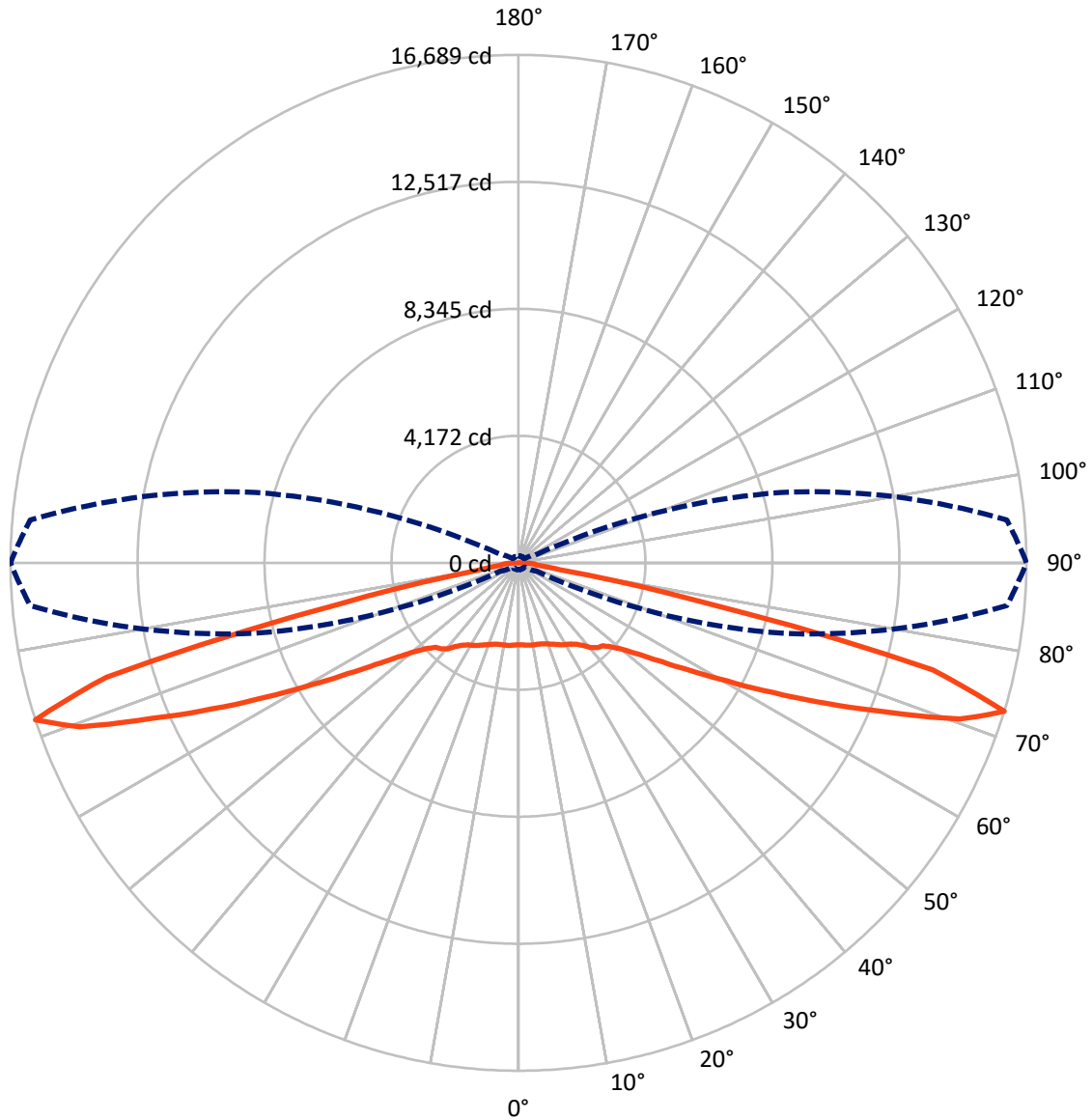
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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
House Side	Lumens	7218.0	0.0	7218.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7218.0	0.0	7218.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14436.0	0.0	14436.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.6	1.8
10°-20°	799.7	5.5
20°-30°	1333.5	9.2
30°-40°	1834.0	12.7
40°-50°	2239.8	15.5
50°-60°	2590.5	17.9
60°-70°	3088.8	21.4
70°-80°	2155.8	14.9
80°-90°	132.4	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°	14436.0	100.0
0°-180°	14436.0	100.0

Coefficient of Utilization



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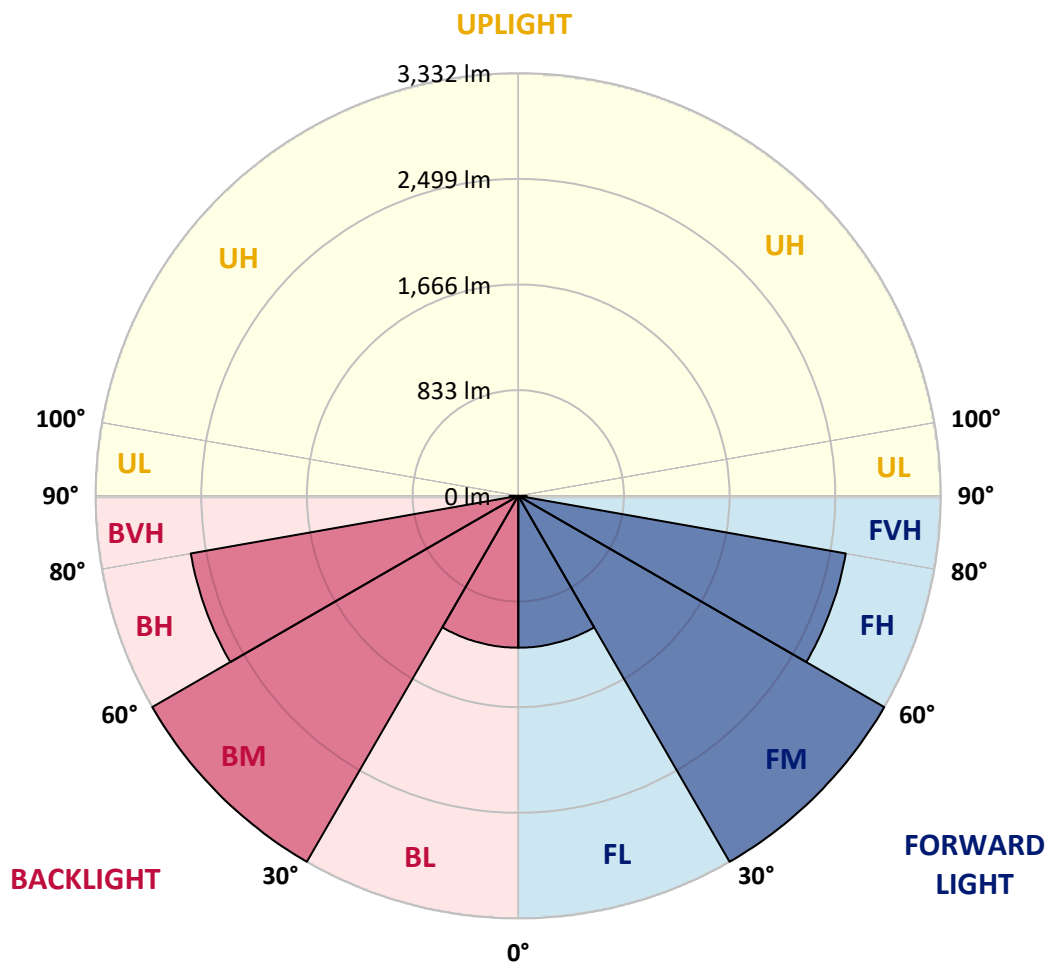
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1197.4	8.3			
FM (30°-60°)	3332.1	23.1			
FH (60°-80°)	2622.3	18.2			G2/5000
FVH (80°-90°)	66.2	0.5			G1/100
BL (0°-30°)	1197.4	8.3	B3/2500		
BM (30°-60°)	3332.1	23.1	B3/5000		
BH (60°-80°)	2622.3	18.2	B4/5000		G4/5000
BVH (80°-90°)	66.2	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°	2697.5	2697.5	2697.5	2697.5	2697.5	2697.5	2697.5	2697.5	2697.5	2697.5
2.5°	2699.8	2702.9	2702.9	2700.6	2706.0	2701.4	2701.4	2699.1	2701.4	2699.1
5°	2713.6	2717.5	2719.0	2718.2	2725.1	2721.3	2721.3	2718.2	2719.0	2716.7
7.5°	2739.7	2745.1	2748.2	2752.0	2762.0	2757.4	2754.3	2745.1	2741.3	2735.1
10°	2748.2	2754.3	2764.3	2784.2	2807.2	2808.0	2798.8	2775.8	2758.1	2744.3
12.5°	2722.1	2730.5	2751.2	2791.9	2843.3	2864.0	2849.4	2811.1	2776.5	2752.0
15°	2689.1	2698.3	2729.7	2791.1	2867.1	2915.4	2913.9	2863.2	2808.0	2769.6
17.5°	2637.7	2646.9	2692.1	2778.1	2885.5	2965.3	2986.8	2934.6	2857.1	2805.7
20°	2544.8	2553.3	2616.2	2736.6	2891.6	3018.2	3074.2	3028.2	2931.5	2861.7
22.5°	2424.4	2437.4	2511.1	2665.3	2877.0	3073.5	3174.0	3142.5	3018.2	2921.5
25°	2295.5	2309.3	2395.2	2577.8	2839.5	3113.3	3292.1	3272.2	3116.4	2996.0
27.5°	2184.3	2198.8	2292.4	2491.1	2781.1	3128.7	3408.7	3418.7	3235.3	3078.1
30°	2096.8	2110.6	2210.3	2421.3	2706.0	3113.3	3510.8	3579.8	3356.6	3149.4
32.5°	2000.9	2018.5	2123.6	2336.2	2617.0	3076.5	3599.8	3754.0	3497.0	3226.1
35°	1879.7	1895.8	2006.3	2219.5	2500.3	3017.4	3674.2	3947.3	3698.0	3342.7
37.5°	1732.4	1747.7	1857.4	2073.8	2384.5	2934.6	3731.0	4165.2	3937.3	3510.8
40°	1584.3	1598.9	1701.7	1911.1	2245.6	2828.7	3750.9	4378.5	4212.0	3741.7
42.5°	1448.5	1461.5	1555.9	1750.8	2089.9	2693.7	3724.8	4564.1	4458.3	3902.8
45°	1323.4	1334.9	1418.6	1600.4	1928.0	2529.5	3646.6	4763.6	4751.3	4017.9
47.5°	1180.7	1192.2	1278.9	1454.6	1766.1	2336.9	3513.8	4960.0	5158.7	4278.7
50°	1006.6	1016.6	1105.6	1286.6	1598.1	2132.1	3329.7	5114.2	5672.8	4673.9
52.5°	800.2	810.9	897.6	1078.7	1398.6	1911.9	3087.3	5214.7	6266.6	5250.8
55°	595.4	603.0	678.2	840.9	1151.6	1661.0	2783.4	5243.1	6940.2	6039.5
57.5°	431.9	436.5	484.9	606.1	873.1	1347.2	2414.4	5169.5	7741.9	7050.7
60°	349.8	351.4	366.0	419.7	606.9	992.8	1968.7	4916.3	8612.0	8354.2
62.5°	317.6	317.6	321.5	336.0	410.5	655.2	1429.3	4391.5	9544.9	10001.4
65°	295.4	295.4	296.9	303.8	323.8	417.4	902.2	3536.8	10331.3	11930.9
67.5°	275.4	276.2	275.4	277.7	289.2	308.4	523.2	2442.8	10754.8	13930.3
70°	254.7	256.2	252.4	252.4	261.6	262.4	327.6	1339.6	10403.4	15605.9
72.5°	230.2	232.5	226.3	224.8	231.7	228.6	246.3	642.9	8931.9	16106.1
75°	208.7	211.8	197.9	194.1	194.1	191.8	200.2	329.9	5797.1	13138.5
77.5°	189.5	195.6	173.4	161.1	158.0	151.1	163.4	201.8	2535.6	6168.4
80°	156.5	165.0	142.7	128.1	122.8	115.1	128.9	141.2	754.2	1432.4
82.5°	116.6	120.5	101.3	91.3	86.7	81.3	96.7	98.2	245.5	507.1
85°	74.4	76.0	62.1	53.7	51.4	49.1	61.4	53.7	93.6	372.9
87.5°	26.1	29.9	23.8	21.5	23.0	19.2	28.4	16.1	26.1	263.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2697.5
2699.1
2716.7
2735.1
2742.0
2748.2
2763.5
2797.3
2848.7
2903.9
2971.4
3052.0
3111.8
3178.6
3289.8
3440.2
3666.5
3806.1
3887.5
4128.4
4485.1
5018.3
5748.7
6684.7
7893.1
9383.8
11149.9
13087.1
15384.1
16689.2
14053.0
6040.3
1371.8
573.1
541.7
326.1
0.0

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