

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: P847804

Luminaire Tested: **GLAN-SB4A-827-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847804
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-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14180 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

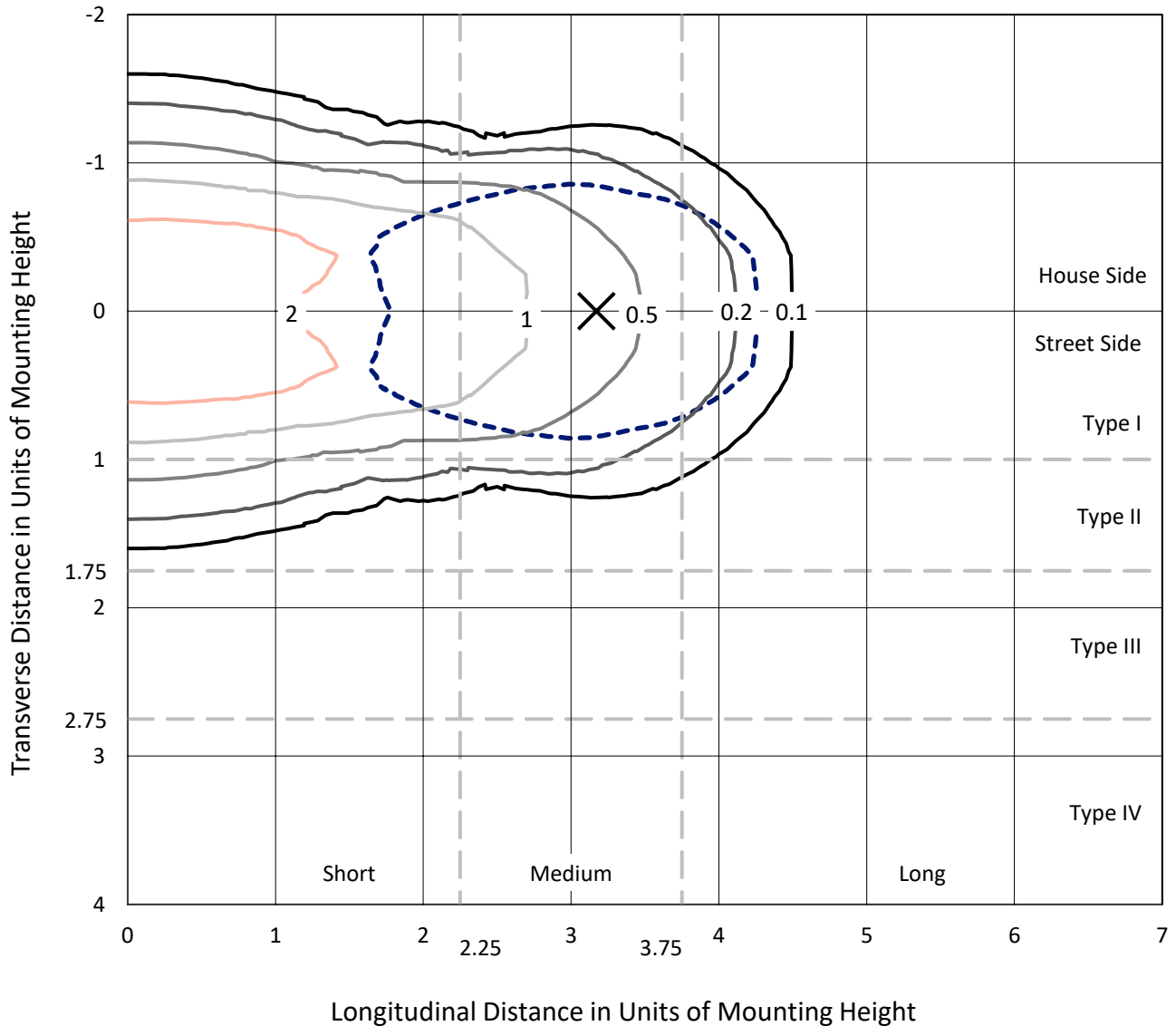
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

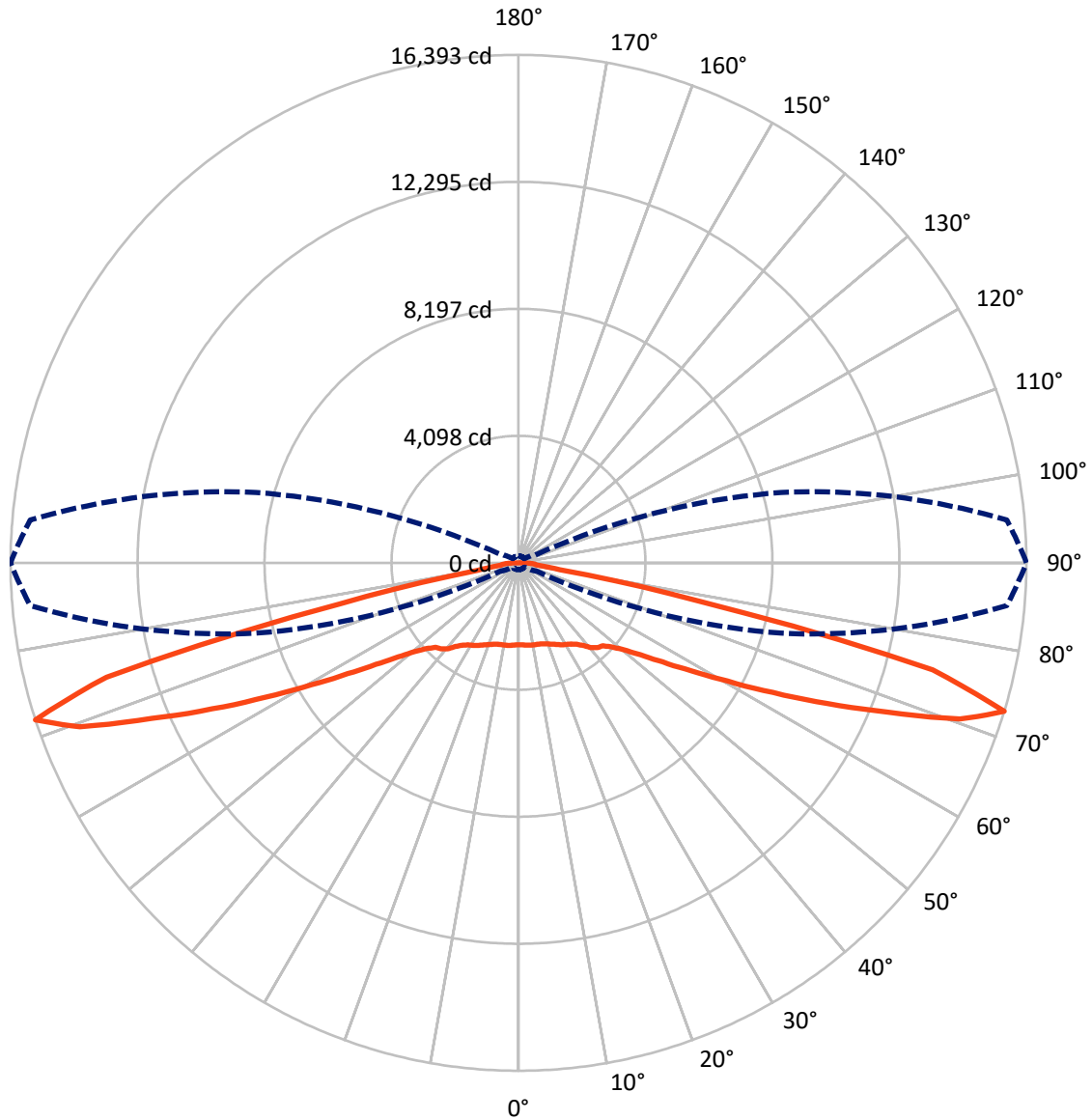
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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	7090.0	0.0	7090.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7090.0	0.0	7090.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14180.0	0.0	14180.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.9	1.8
10°-20°	785.6	5.5
20°-30°	1309.8	9.2
30°-40°	1801.4	12.7
40°-50°	2200.0	15.5
50°-60°	2544.6	17.9
60°-70°	3034.0	21.4
70°-80°	2117.5	14.9
80°-90°	130.1	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°	14180.0	100.0
0°-180°	14180.0	100.0

Coefficient of Utilization

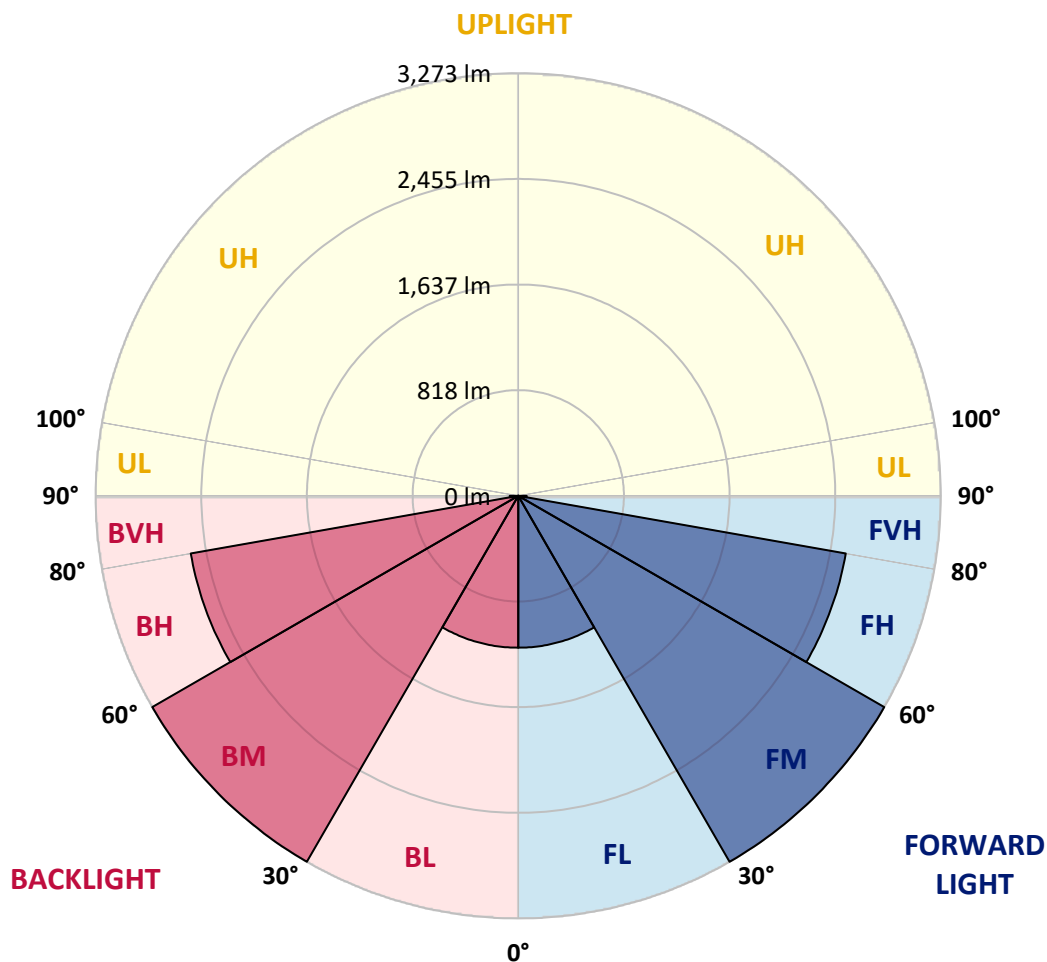


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1176.2	8.3			
FM (30°-60°)	3273.0	23.1			
FH (60°-80°)	2575.8	18.2			G2/5000
FVH (80°-90°)	65.0	0.5			G1/100
BL (0°-30°)	1176.2	8.3	B3/2500		
BM (30°-60°)	3273.0	23.1	B3/5000		
BH (60°-80°)	2575.8	18.2	B4/5000		G4/5000
BVH (80°-90°)	65.0	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°	2649.7	2649.7	2649.7	2649.7	2649.7	2649.7	2649.7	2649.7	2649.7	2649.7
2.5°	2651.9	2655.0	2655.0	2652.7	2658.0	2653.5	2653.5	2651.2	2653.5	2651.2
5°	2665.5	2669.3	2670.8	2670.0	2676.8	2673.0	2673.0	2670.0	2670.8	2668.5
7.5°	2691.1	2696.4	2699.4	2703.2	2713.0	2708.5	2705.4	2696.4	2692.6	2686.6
10°	2699.4	2705.4	2715.2	2734.8	2757.4	2758.2	2749.2	2726.6	2709.2	2695.7
12.5°	2673.8	2682.1	2702.4	2742.4	2792.9	2813.2	2798.9	2761.2	2727.3	2703.2
15°	2641.4	2650.4	2681.3	2741.6	2816.2	2863.7	2862.2	2812.5	2758.2	2720.5
17.5°	2590.9	2599.9	2644.4	2728.8	2834.3	2912.7	2933.8	2882.5	2806.4	2755.9
20°	2499.7	2508.0	2569.8	2688.1	2840.3	2964.7	3019.7	2974.5	2879.5	2811.0
22.5°	2381.4	2394.2	2466.6	2618.0	2826.0	3019.0	3117.7	3086.8	2964.7	2869.7
25°	2254.8	2268.4	2352.8	2532.1	2789.1	3058.1	3233.7	3214.1	3061.2	2942.8
27.5°	2145.5	2159.8	2251.8	2447.0	2731.8	3073.2	3348.3	3358.1	3178.0	3023.5
30°	2059.6	2073.2	2171.1	2378.4	2658.0	3058.1	3448.5	3516.3	3297.0	3093.6
32.5°	1965.4	1982.7	2086.0	2294.7	2570.6	3022.0	3535.9	3687.4	3434.9	3168.9
35°	1846.3	1862.2	1970.7	2180.2	2456.0	2963.9	3609.0	3877.3	3632.4	3283.5
37.5°	1701.6	1716.7	1824.5	2037.0	2342.2	2882.5	3664.8	4091.3	3867.5	3448.5
40°	1556.2	1570.5	1671.5	1877.2	2205.8	2778.5	3684.4	4300.8	4137.3	3675.3
42.5°	1422.8	1435.6	1528.3	1719.7	2052.8	2645.9	3658.8	4483.2	4379.2	3833.6
45°	1300.0	1311.3	1393.4	1572.0	1893.8	2484.6	3581.9	4679.1	4667.1	3946.6
47.5°	1159.8	1171.1	1256.3	1428.8	1734.8	2295.5	3451.5	4872.1	5067.3	4202.9
50°	988.7	998.5	1085.9	1263.8	1569.8	2094.3	3270.7	5023.5	5572.2	4591.0
52.5°	786.0	796.6	881.7	1059.6	1373.8	1878.0	3032.5	5122.3	6155.5	5157.7
55°	584.8	592.3	666.2	826.0	1131.2	1631.6	2734.1	5150.2	6817.1	5932.4
57.5°	424.3	428.8	476.3	595.3	857.6	1323.3	2371.6	5077.8	7604.6	6925.6
60°	343.6	345.2	359.5	412.2	596.1	975.2	1933.8	4829.1	8459.2	8206.0
62.5°	312.0	312.0	315.8	330.1	403.2	643.6	1404.0	4313.6	9375.6	9824.0
65°	290.1	290.1	291.6	298.4	318.0	410.0	886.2	3474.1	10148.1	11719.3
67.5°	270.5	271.3	270.5	272.8	284.1	303.0	514.0	2399.5	10564.1	13683.2
70°	250.2	251.7	247.9	247.9	257.0	257.7	321.8	1315.8	10218.9	15329.1
72.5°	226.1	228.3	222.3	220.8	227.6	224.6	241.9	631.5	8773.5	15820.5
75°	205.0	208.0	194.4	190.7	190.7	188.4	196.7	324.1	5694.3	12905.5
77.5°	186.1	192.2	170.3	158.3	155.2	148.5	160.5	198.2	2490.7	6059.0
80°	153.7	162.0	140.2	125.9	120.6	113.0	126.6	138.7	740.8	1407.0
82.5°	114.5	118.3	99.5	89.7	85.2	79.9	95.0	96.5	241.2	498.1
85°	73.1	74.6	61.0	52.8	50.5	48.2	60.3	52.8	91.9	366.3
87.5°	25.6	29.4	23.4	21.1	22.6	18.8	27.9	15.8	25.6	258.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2649.7
2651.2
2668.5
2686.6
2693.4
2699.4
2714.5
2747.7
2798.1
2852.4
2918.7
2997.8
3056.6
3122.2
3231.5
3379.2
3601.5
3738.6
3818.5
4055.2
4405.6
4929.3
5646.8
6566.2
7753.1
9217.4
10952.2
12855.0
15111.3
16393.2
13803.8
5933.1
1347.4
562.9
532.0
320.3
0.0

OF REPORT)