

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: P847334

Luminaire Tested: **GLAN-SB3B-850-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847334
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-SB3B-850-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14351 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

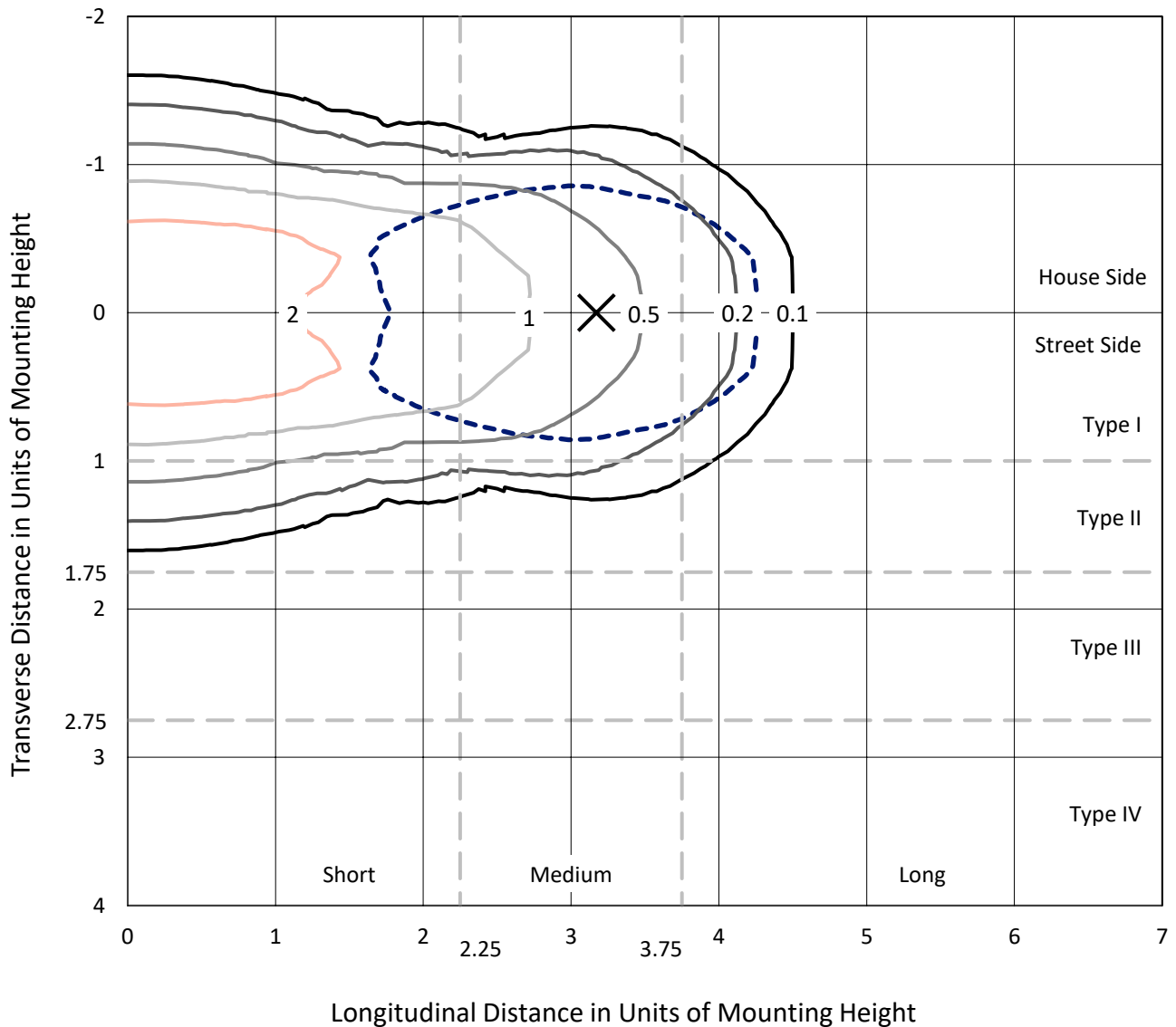
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

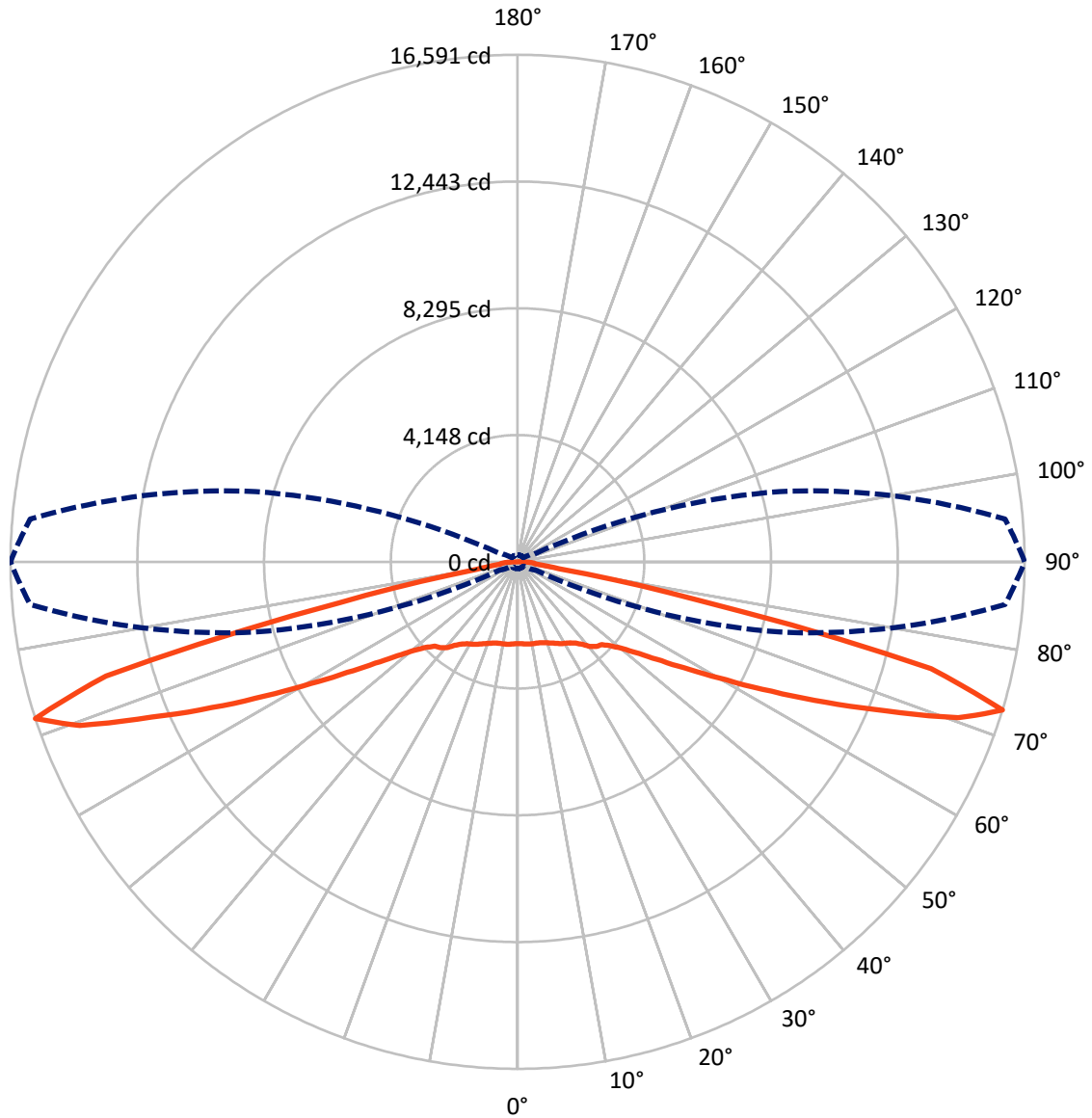
× Max cd
 - - - 1/2 Max cd



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	7175.5	0.0	7175.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7175.5	0.0	7175.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14351.0	0.0	14351.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.0	1.8
10°-20°	795.0	5.5
20°-30°	1325.6	9.2
30°-40°	1823.2	12.7
40°-50°	2226.6	15.5
50°-60°	2575.3	17.9
60°-70°	3070.6	21.4
70°-80°	2143.1	14.9
80°-90°	131.6	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°	14351.0	100.0
0°-180°	14351.0	100.0

Coefficient of Utilization



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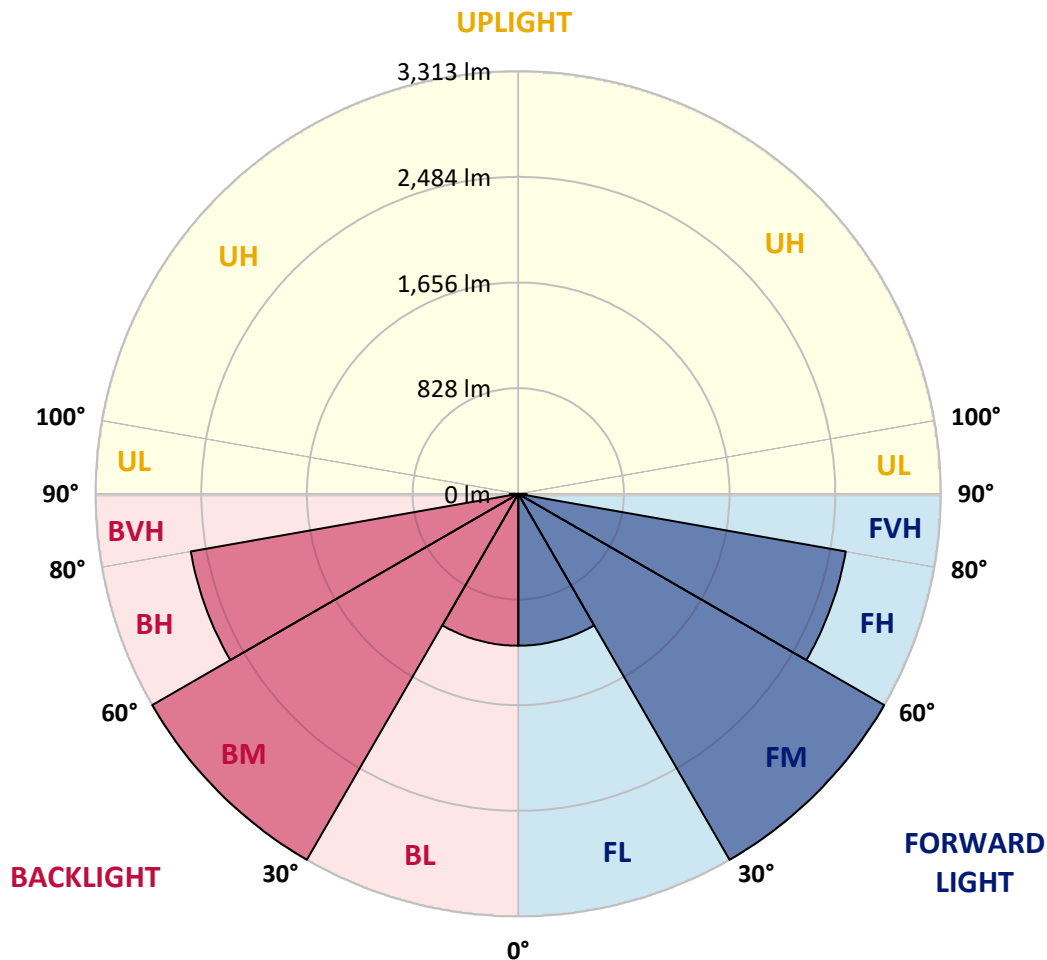
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1190.3	8.3			
FM (30°-60°)	3312.5	23.1			
FH (60°-80°)	2606.8	18.2			G2/5000
FVH (80°-90°)	65.8	0.5			G1/100
BL (0°-30°)	1190.3	8.3	B3/2500		
BM (30°-60°)	3312.5	23.1	B3/5000		
BH (60°-80°)	2606.8	18.2	B4/5000		G4/5000
BVH (80°-90°)	65.8	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°	2681.6	2681.6	2681.6	2681.6	2681.6	2681.6	2681.6	2681.6	2681.6	2681.6
2.5°	2683.9	2687.0	2687.0	2684.7	2690.0	2685.4	2685.4	2683.2	2685.4	2683.2
5°	2697.7	2701.5	2703.0	2702.2	2709.1	2705.3	2705.3	2702.2	2703.0	2700.7
7.5°	2723.6	2728.9	2732.0	2735.8	2745.7	2741.1	2738.1	2728.9	2725.1	2719.0
10°	2732.0	2738.1	2748.0	2767.8	2790.7	2791.5	2782.3	2759.4	2741.9	2728.2
12.5°	2706.0	2714.4	2735.0	2775.4	2826.5	2847.1	2832.6	2794.5	2760.2	2735.8
15°	2673.2	2682.4	2713.7	2774.7	2850.2	2898.2	2896.7	2846.4	2791.5	2753.3
17.5°	2622.1	2631.3	2676.3	2761.7	2868.5	2947.8	2969.2	2917.3	2840.3	2789.2
20°	2529.9	2538.2	2600.8	2720.5	2874.6	3000.4	3056.1	3010.4	2914.3	2844.9
22.5°	2410.1	2423.1	2496.3	2649.6	2860.1	3055.4	3155.3	3124.0	3000.4	2904.3
25°	2282.0	2295.7	2381.1	2562.7	2822.7	3095.0	3272.7	3252.9	3098.1	2978.3
27.5°	2171.4	2185.9	2278.9	2476.5	2764.8	3110.3	3388.7	3398.6	3216.3	3059.9
30°	2084.4	2098.2	2197.3	2407.1	2690.0	3095.0	3490.1	3558.7	3336.8	3130.9
32.5°	1989.1	2006.7	2111.1	2322.4	2601.6	3058.4	3578.6	3731.9	3476.4	3207.1
35°	1868.6	1884.6	1994.4	2206.5	2485.6	2999.7	3652.5	3924.1	3676.2	3323.1
37.5°	1722.2	1737.4	1846.5	2061.6	2370.5	2917.3	3709.0	4140.7	3914.2	3490.1
40°	1575.0	1589.5	1691.7	1899.9	2232.4	2812.1	3728.8	4352.7	4187.2	3719.7
42.5°	1440.0	1452.9	1546.7	1740.5	2077.6	2677.8	3702.9	4537.3	4432.0	3879.8
45°	1315.6	1327.1	1410.2	1591.0	1916.7	2514.6	3625.1	4735.6	4723.4	3994.2
47.5°	1173.8	1185.2	1271.4	1446.1	1755.7	2323.2	3493.1	4930.8	5128.4	4253.6
50°	1000.7	1010.6	1099.0	1279.0	1588.7	2119.5	3310.1	5084.1	5639.4	4646.3
52.5°	795.5	806.2	892.4	1072.3	1390.4	1900.6	3069.1	5184.0	6229.7	5219.9
55°	591.9	599.5	674.2	835.9	1144.8	1651.2	2767.1	5212.3	6899.3	6003.9
57.5°	429.4	434.0	482.0	602.5	867.9	1339.3	2400.2	5139.0	7696.4	7009.2
60°	347.8	349.3	363.8	417.2	603.3	986.9	1957.1	4887.3	8561.3	8305.0
62.5°	315.8	315.8	319.6	334.1	408.0	651.3	1420.9	4365.7	9488.7	9942.5
65°	293.6	293.6	295.2	302.0	321.9	414.9	896.9	3516.0	10270.5	11860.7
67.5°	273.8	274.6	273.8	276.1	287.5	306.6	520.2	2428.4	10691.5	13848.3
70°	253.2	254.7	250.9	250.9	260.1	260.8	325.7	1331.7	10342.1	15514.0
72.5°	228.8	231.1	225.0	223.5	230.3	227.3	244.8	639.1	8879.3	16011.3
75°	207.5	210.5	196.8	193.0	193.0	190.7	199.1	328.0	5762.9	13061.2
77.5°	188.4	194.5	172.4	160.2	157.1	150.3	162.5	200.6	2520.7	6132.1
80°	155.6	164.0	141.9	127.4	122.0	114.4	128.1	140.3	749.7	1424.0
82.5°	115.9	119.7	100.7	90.8	86.2	80.8	96.1	97.6	244.1	504.1
85°	74.0	75.5	61.8	53.4	51.1	48.8	61.0	53.4	93.0	370.7
87.5°	25.9	29.7	23.6	21.4	22.9	19.1	28.2	16.0	25.9	261.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2681.6
2683.2
2700.7
2719.0
2725.9
2732.0
2747.2
2780.8
2831.9
2886.8
2953.9
3034.0
3093.5
3159.8
3270.4
3419.9
3644.9
3783.7
3864.6
4104.1
4458.7
4988.8
5714.9
6645.4
7846.6
9328.5
11084.2
13010.1
15293.6
16590.9
13970.3
6004.7
1363.7
569.7
538.5
324.1
0.0

OF REPORT)