

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: P847294

Luminaire Tested: **GLAN-SB3B-827-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847294
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-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13326 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

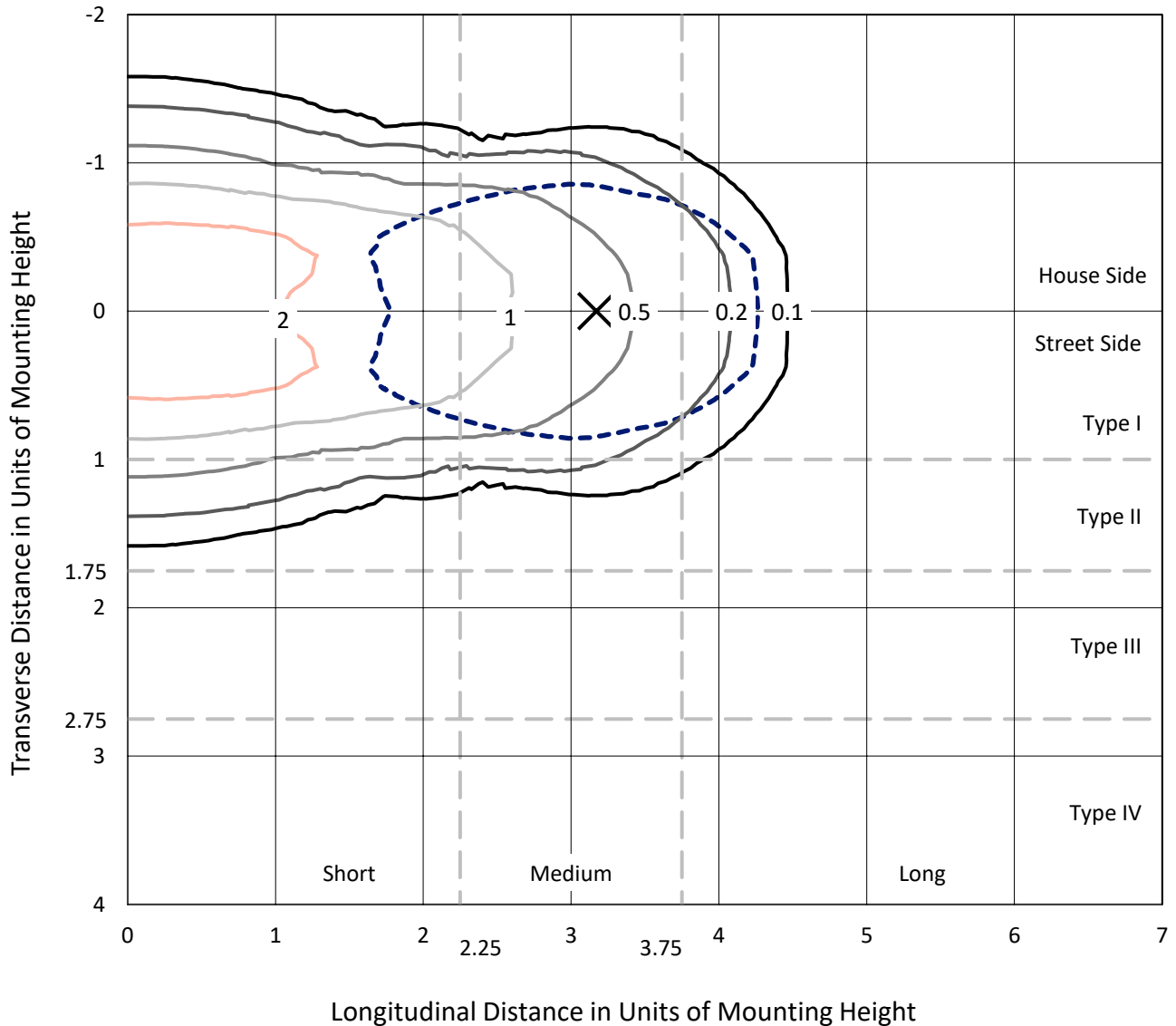
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

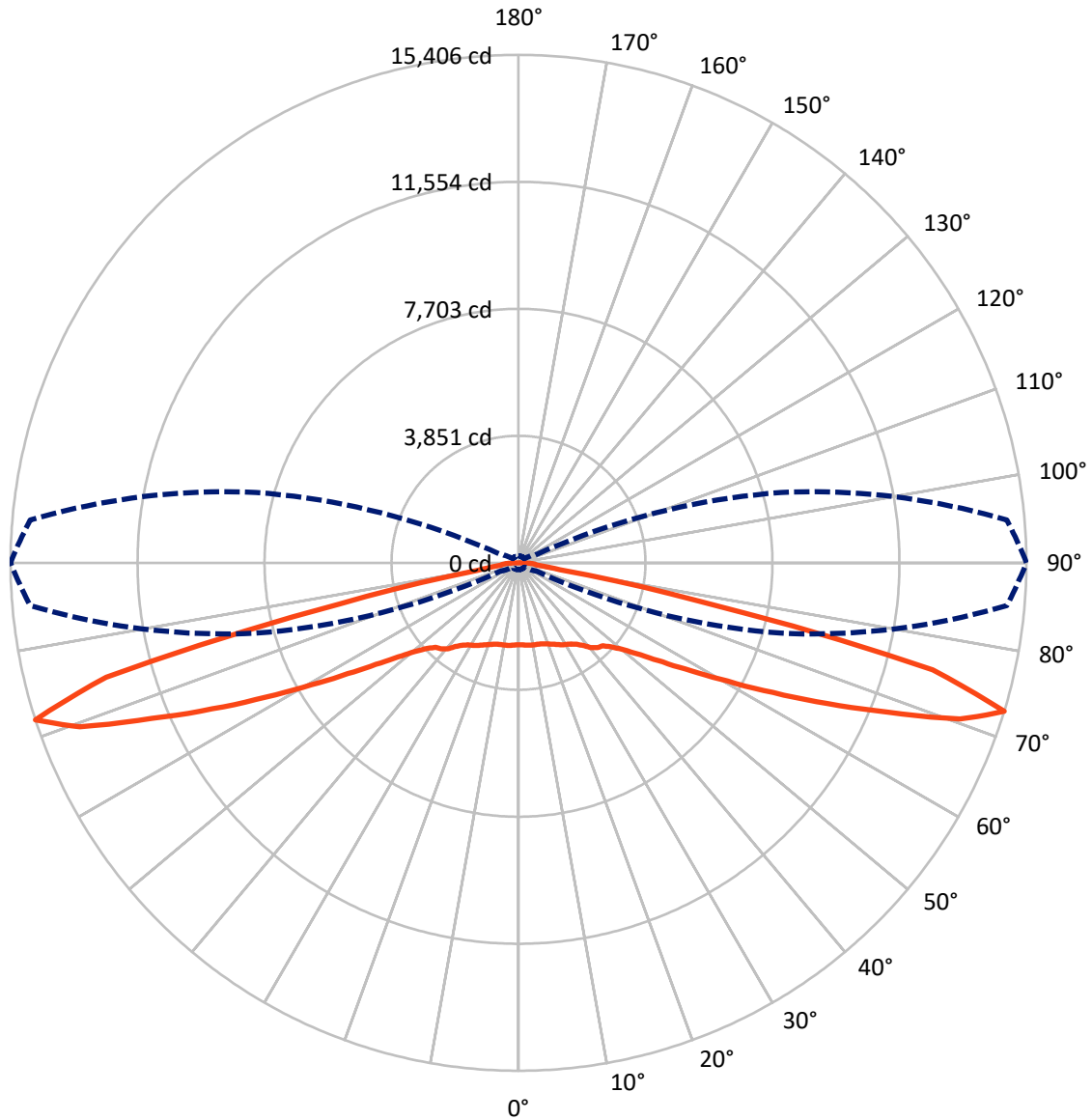
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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	6663.0	0.0	6663.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6663.0	0.0	6663.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13326.0	0.0	13326.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.4	1.8
10°-20°	738.2	5.5
20°-30°	1231.0	9.2
30°-40°	1692.9	12.7
40°-50°	2067.6	15.5
50°-60°	2391.3	17.9
60°-70°	2851.3	21.4
70°-80°	1990.0	14.9
80°-90°	122.2	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°	13326.0	100.0
0°-180°	13326.0	100.0

Coefficient of Utilization



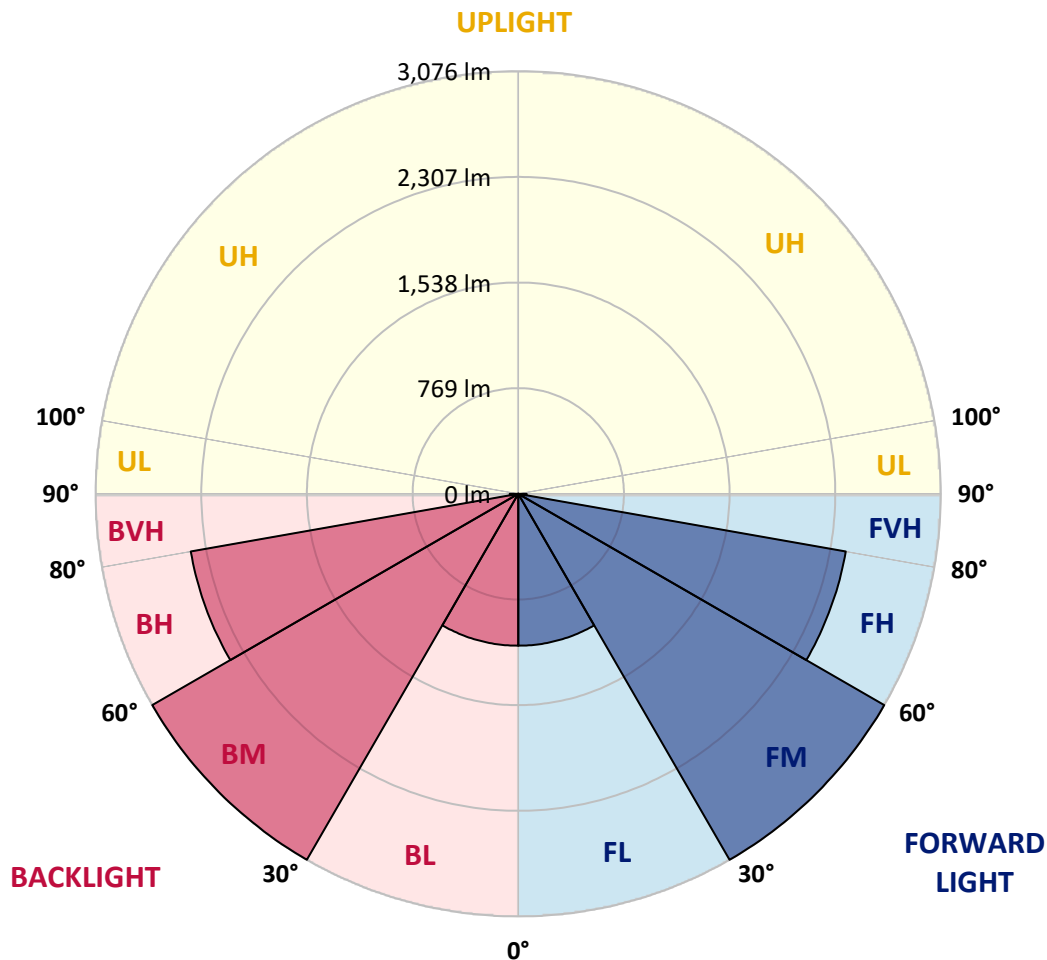
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1105.3	8.3			
FM (30°-60°)	3075.9	23.1			
FH (60°-80°)	2420.6	18.2			G2/5000
FVH (80°-90°)	61.1	0.5			G1/100
BL (0°-30°)	1105.3	8.3	B3/2500		
BM (30°-60°)	3075.9	23.1	B3/5000		
BH (60°-80°)	2420.6	18.2	B3/2500		G3/2500
BVH (80°-90°)	61.1	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°	2490.1	2490.1	2490.1	2490.1	2490.1	2490.1	2490.1	2490.1	2490.1	2490.1
2.5°	2492.2	2495.1	2495.1	2492.9	2497.9	2493.6	2493.6	2491.5	2493.6	2491.5
5°	2505.0	2508.5	2509.9	2509.2	2515.6	2512.1	2512.1	2509.2	2509.9	2507.8
7.5°	2529.1	2534.0	2536.8	2540.4	2549.6	2545.3	2542.5	2534.0	2530.5	2524.8
10°	2536.8	2542.5	2551.7	2570.1	2591.4	2592.1	2583.6	2562.3	2546.1	2533.3
12.5°	2512.8	2520.6	2539.7	2577.2	2624.7	2643.8	2630.3	2594.9	2563.1	2540.4
15°	2482.3	2490.8	2519.8	2576.5	2646.6	2691.2	2689.8	2643.1	2592.1	2556.7
17.5°	2434.9	2443.4	2485.1	2564.5	2663.6	2737.3	2757.1	2708.9	2637.4	2590.0
20°	2349.2	2357.0	2415.0	2526.2	2669.3	2786.1	2837.8	2795.3	2706.1	2641.7
22.5°	2238.0	2250.0	2318.0	2460.4	2655.8	2837.1	2929.9	2900.9	2786.1	2696.9
25°	2119.0	2131.7	2211.1	2379.6	2621.1	2874.0	3039.0	3020.6	2876.8	2765.6
27.5°	2016.3	2029.8	2116.2	2299.6	2567.3	2888.1	3146.6	3155.8	2986.6	2841.4
30°	1935.6	1948.3	2040.4	2235.1	2497.9	2874.0	3240.8	3304.6	3098.5	2907.2
32.5°	1847.0	1863.3	1960.4	2156.5	2415.7	2840.0	3323.0	3465.3	3228.1	2978.1
35°	1735.1	1750.0	1852.0	2048.9	2308.1	2785.4	3391.7	3643.8	3413.6	3085.7
37.5°	1599.2	1613.3	1714.6	1914.3	2201.1	2708.9	3444.1	3844.9	3634.6	3240.8
40°	1462.5	1475.9	1570.8	1764.2	2073.0	2611.2	3462.5	4041.8	3888.1	3454.0
42.5°	1337.1	1349.2	1436.3	1616.2	1929.2	2486.6	3438.4	4213.2	4115.5	3602.7
45°	1221.7	1232.3	1309.5	1477.3	1779.8	2335.0	3366.2	4397.3	4386.0	3709.0
47.5°	1090.0	1100.6	1180.6	1342.8	1630.3	2157.2	3243.7	4578.6	4762.1	3949.7
50°	929.2	938.4	1020.5	1187.7	1475.2	1968.1	3073.7	4721.0	5236.6	4314.5
52.5°	738.7	748.6	828.6	995.8	1291.1	1764.9	2849.9	4813.8	5784.7	4847.1
55°	549.6	556.7	626.1	776.2	1063.0	1533.3	2569.4	4840.0	6406.6	5575.1
57.5°	398.7	403.0	447.6	559.5	806.0	1243.6	2228.8	4772.0	7146.7	6508.5
60°	322.9	324.4	337.8	387.4	560.2	916.4	1817.3	4538.3	7949.8	7711.8
62.5°	293.2	293.2	296.7	310.2	378.9	604.8	1319.4	4053.9	8811.0	9232.4
65°	272.7	272.7	274.1	280.5	298.9	385.3	832.9	3264.9	9536.9	11013.5
67.5°	254.3	255.0	254.3	256.4	267.0	284.7	483.0	2255.0	9927.8	12859.2
70°	235.1	236.5	233.0	233.0	241.5	242.2	302.4	1236.6	9603.5	14405.9
72.5°	212.5	214.6	208.9	207.5	213.9	211.0	227.3	593.5	8245.1	14867.7
75°	192.6	195.5	182.7	179.2	179.2	177.1	184.8	304.5	5351.3	12128.3
77.5°	174.9	180.6	160.1	148.7	145.9	139.5	150.9	186.3	2340.7	5694.1
80°	144.5	152.3	131.7	118.3	113.3	106.2	119.0	130.3	696.2	1322.2
82.5°	107.6	111.2	93.5	84.3	80.0	75.1	89.2	90.7	226.6	468.1
85°	68.7	70.1	57.4	49.6	47.5	45.3	56.7	49.6	86.4	344.2
87.5°	24.1	27.6	22.0	19.8	21.2	17.7	26.2	14.9	24.1	242.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2490.1
2491.5
2507.8
2524.8
2531.2
2536.8
2551.0
2582.2
2629.6
2680.6
2742.9
2817.3
2872.5
2934.2
3036.9
3175.7
3384.6
3513.5
3588.6
3810.9
4140.3
4632.5
5306.7
6170.7
7286.2
8662.2
10292.6
12080.8
14201.2
15405.9
12972.5
5575.8
1266.3
529.0
500.0
301.0
0.0

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