

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: P846814

Luminaire Tested: **GLAN-SB2C-840-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846814
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-SB2C-840-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13176 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

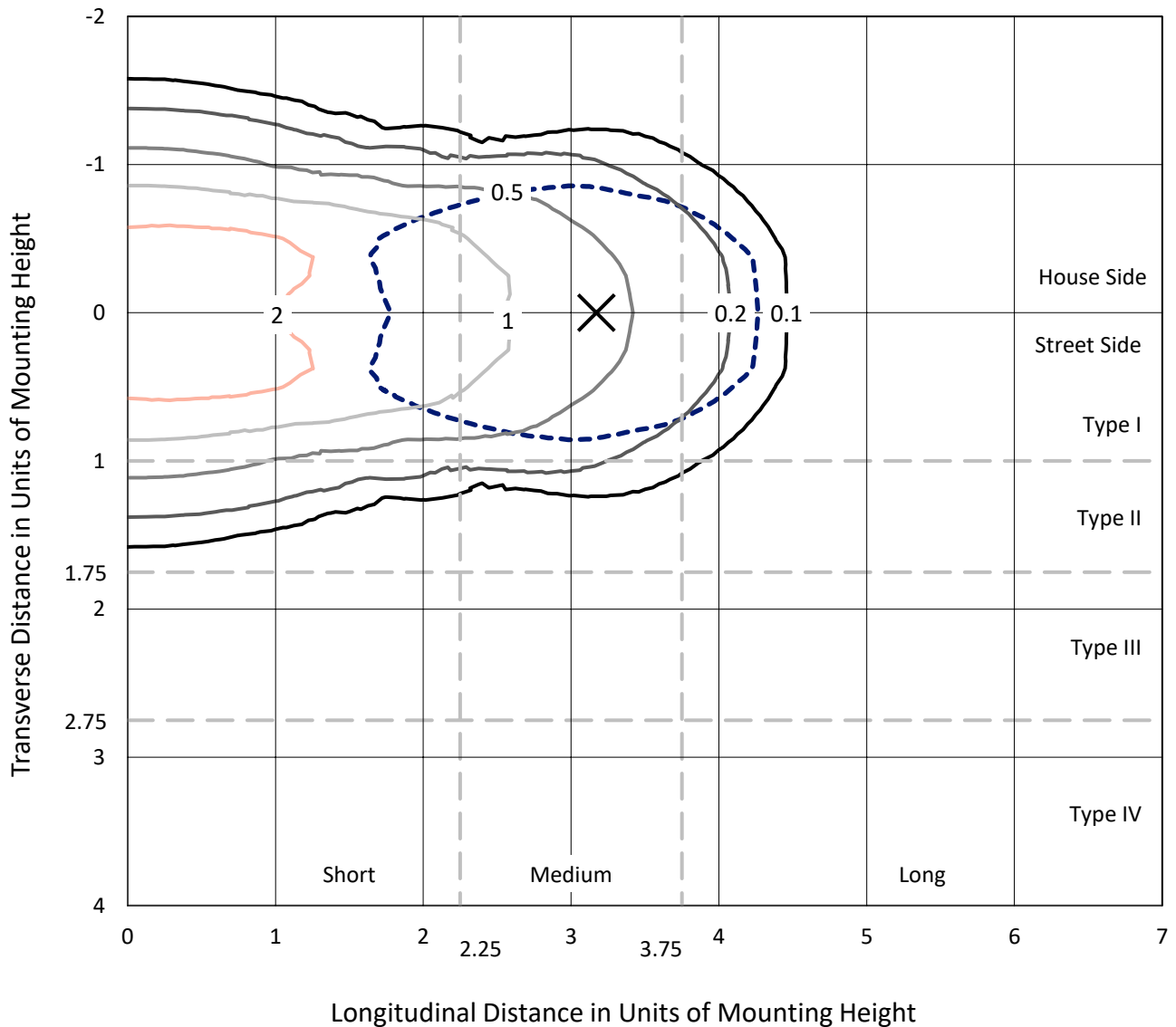
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

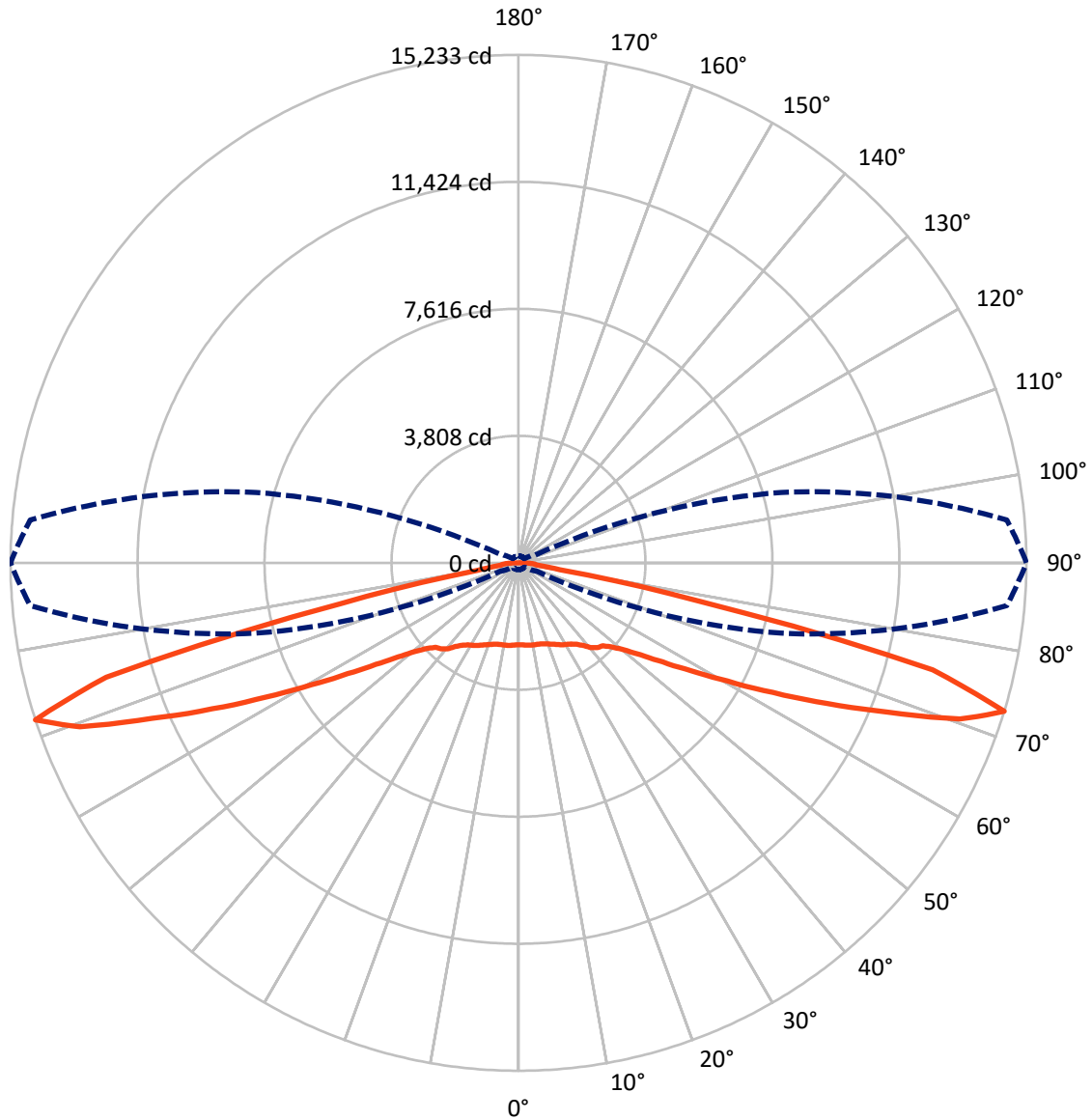
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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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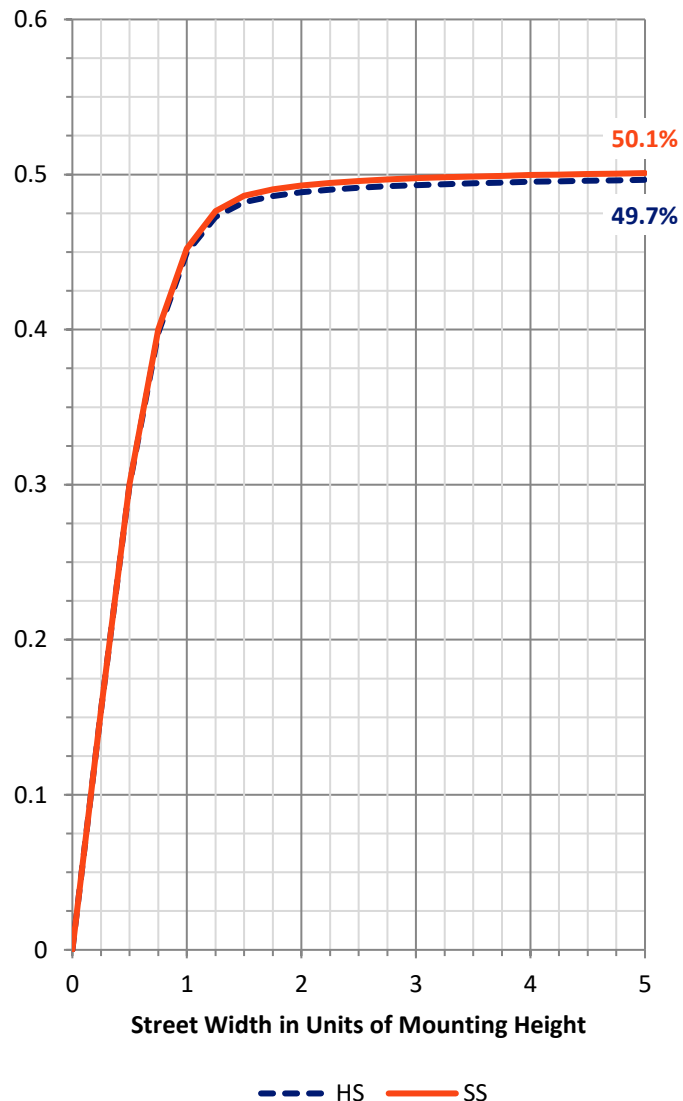
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6588.0	0.0	6588.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6588.0	0.0	6588.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13176.0	0.0	13176.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.7	1.8
10°-20°	729.9	5.5
20°-30°	1217.1	9.2
30°-40°	1673.9	12.7
40°-50°	2044.3	15.5
50°-60°	2364.4	17.9
60°-70°	2819.2	21.4
70°-80°	1967.6	14.9
80°-90°	120.8	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°	13176.0	100.0
0°-180°	13176.0	100.0

Coefficient of Utilization



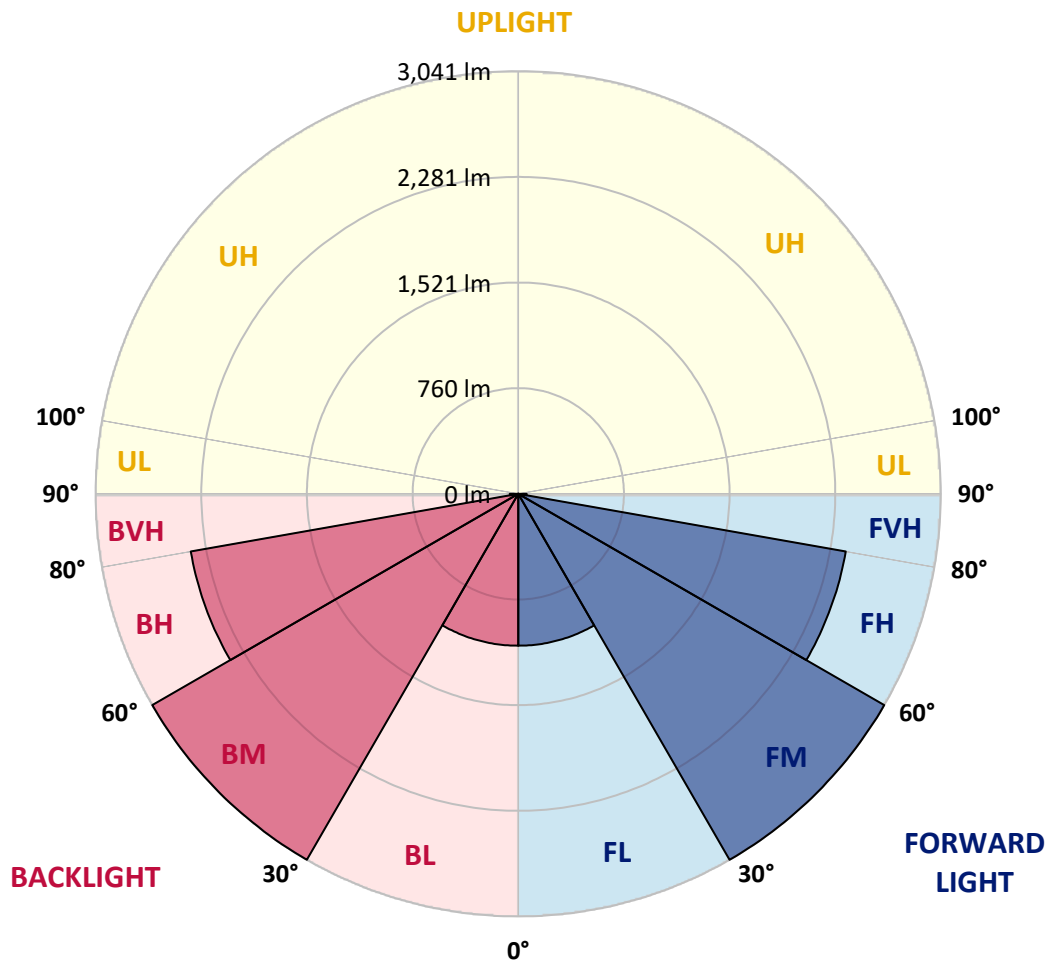
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1092.9	8.3			
FM (30°-60°)	3041.3	23.1			
FH (60°-80°)	2393.4	18.2			G2/5000
FVH (80°-90°)	60.4	0.5			G1/100
BL (0°-30°)	1092.9	8.3	B3/2500		
BM (30°-60°)	3041.3	23.1	B3/5000		
BH (60°-80°)	2393.4	18.2	B3/2500		G3/2500
BVH (80°-90°)	60.4	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°	2462.1	2462.1	2462.1	2462.1	2462.1	2462.1	2462.1	2462.1	2462.1	2462.1
2.5°	2464.2	2467.0	2467.0	2464.9	2469.8	2465.6	2465.6	2463.5	2465.6	2463.5
5°	2476.8	2480.3	2481.7	2481.0	2487.3	2483.8	2483.8	2481.0	2481.7	2479.6
7.5°	2500.6	2505.5	2508.3	2511.8	2520.9	2516.7	2513.9	2505.5	2502.0	2496.4
10°	2508.3	2513.9	2523.0	2541.2	2562.2	2562.9	2554.5	2533.5	2517.4	2504.8
12.5°	2484.5	2492.2	2511.1	2548.2	2595.1	2614.0	2600.7	2565.7	2534.2	2511.8
15°	2454.4	2462.8	2491.5	2547.5	2616.8	2660.9	2659.5	2613.3	2562.9	2527.9
17.5°	2407.5	2415.9	2457.2	2535.6	2633.6	2706.5	2726.1	2678.5	2607.7	2560.8
20°	2322.7	2330.4	2387.8	2497.8	2639.2	2754.8	2805.9	2763.9	2675.7	2611.9
22.5°	2212.8	2224.7	2291.9	2432.7	2625.9	2805.2	2896.9	2868.2	2754.8	2666.5
25°	2095.1	2107.7	2186.2	2352.8	2591.6	2841.6	3004.8	2986.6	2844.4	2734.5
27.5°	1993.6	2006.9	2092.3	2273.7	2538.4	2855.6	3111.2	3120.3	2952.9	2809.4
30°	1913.8	1926.4	2017.4	2210.0	2469.8	2841.6	3204.3	3267.4	3063.6	2874.5
32.5°	1826.2	1842.4	1938.3	2132.3	2388.5	2808.0	3285.6	3426.3	3191.7	2944.5
35°	1715.6	1730.3	1831.2	2025.8	2282.1	2754.1	3353.5	3602.8	3375.2	3051.0
37.5°	1581.2	1595.2	1695.3	1892.8	2176.4	2678.5	3405.3	3801.7	3593.7	3204.3
40°	1446.0	1459.3	1553.2	1744.3	2049.6	2581.8	3423.5	3996.3	3844.4	3415.1
42.5°	1322.1	1334.0	1420.1	1598.0	1907.5	2458.6	3399.7	4165.8	4069.1	3562.2
45°	1207.9	1218.4	1294.8	1460.7	1759.7	2308.7	3328.3	4347.8	4336.6	3667.2
47.5°	1077.7	1088.2	1167.3	1327.7	1612.0	2133.0	3207.1	4527.1	4708.5	3905.3
50°	918.7	927.8	1009.1	1174.3	1458.6	1946.0	3039.1	4667.9	5177.6	4265.9
52.5°	730.4	740.2	819.3	984.5	1276.6	1745.0	2817.8	4759.6	5719.6	4792.5
55°	543.4	550.4	619.0	767.5	1051.1	1516.0	2540.5	4785.5	6334.5	5512.4
57.5°	394.2	398.4	442.6	553.2	796.9	1229.6	2203.7	4718.3	7066.2	6435.3
60°	319.3	320.7	334.0	383.0	553.9	906.1	1796.8	4487.2	7860.3	7625.0
62.5°	289.9	289.9	293.4	306.7	374.6	598.0	1304.6	4008.2	8711.8	9128.4
65°	269.6	269.6	271.0	277.3	295.5	380.9	823.5	3228.1	9429.5	10889.6
67.5°	251.4	252.1	251.4	253.5	264.0	281.5	477.6	2229.6	9816.1	12714.4
70°	232.5	233.9	230.4	230.4	238.8	239.5	299.0	1222.6	9495.4	14243.8
72.5°	210.1	212.2	206.6	205.2	211.5	208.7	224.8	586.8	8152.3	14700.3
75°	190.5	193.3	180.7	177.2	177.2	175.1	182.8	301.1	5291.1	11991.8
77.5°	173.0	178.6	158.3	147.1	144.3	137.9	149.2	184.2	2314.3	5630.0
80°	142.9	150.6	130.2	116.9	112.0	105.0	117.6	128.8	688.3	1307.4
82.5°	106.4	109.9	92.4	83.3	79.1	74.2	88.2	89.6	224.1	462.9
85°	67.9	69.3	56.7	49.0	46.9	44.8	56.0	49.0	85.4	340.3
87.5°	23.8	27.3	21.7	19.6	21.0	17.5	25.9	14.7	23.8	240.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2462.1
2463.5
2479.6
2496.4
2502.7
2508.3
2522.3
2553.1
2600.0
2650.4
2712.1
2785.6
2840.2
2901.1
3002.7
3139.9
3346.5
3473.9
3548.2
3768.0
4093.7
4580.3
5247.0
6101.3
7204.2
8564.7
10176.7
11944.8
14041.4
15232.5
12826.5
5513.1
1252.0
523.1
494.4
297.6
0.0

OF REPORT)