

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: P847734

Luminaire Tested: **GLAN-SB4A-722-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847734
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-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13907 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: B4 - U0 - G4

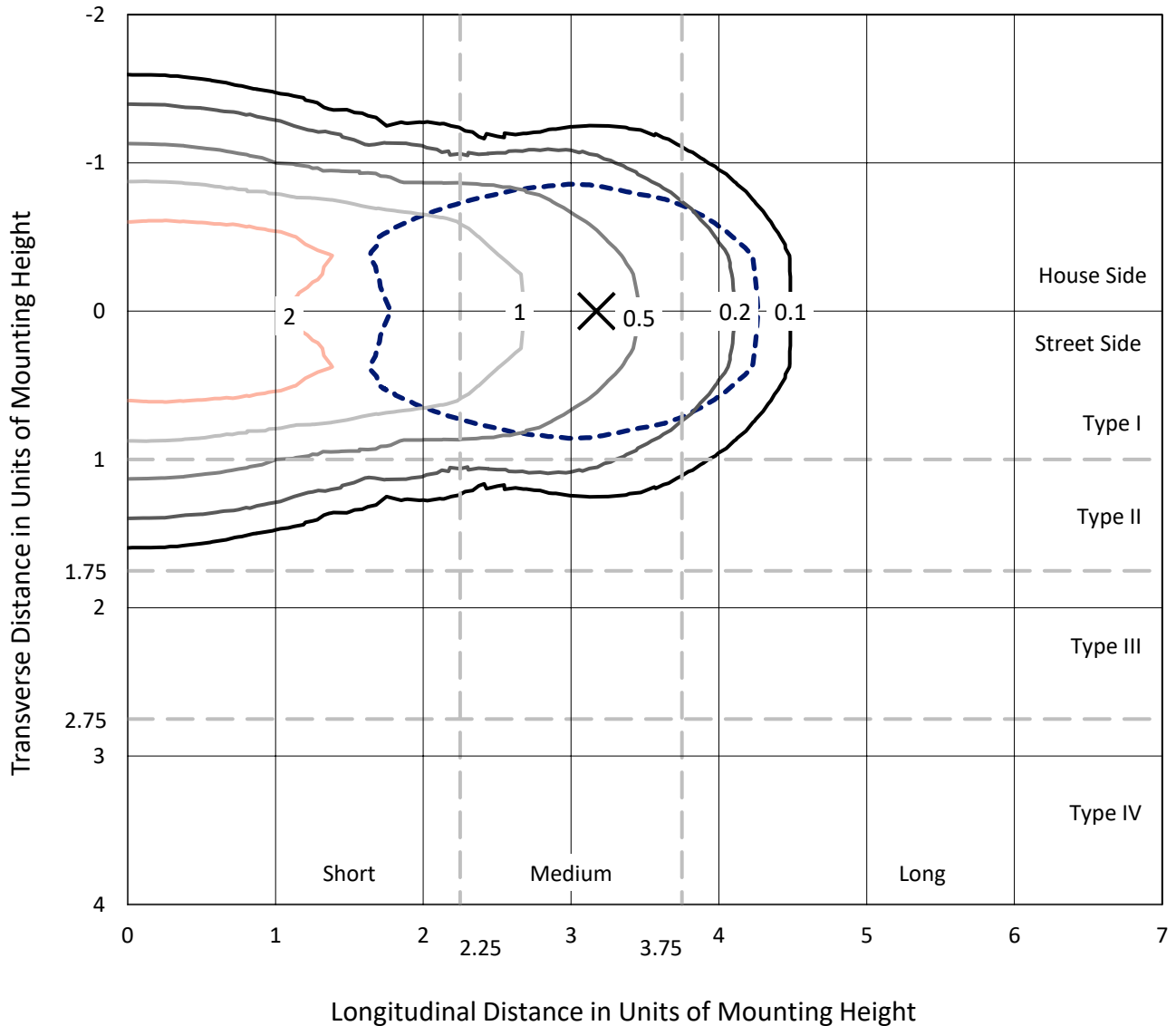
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

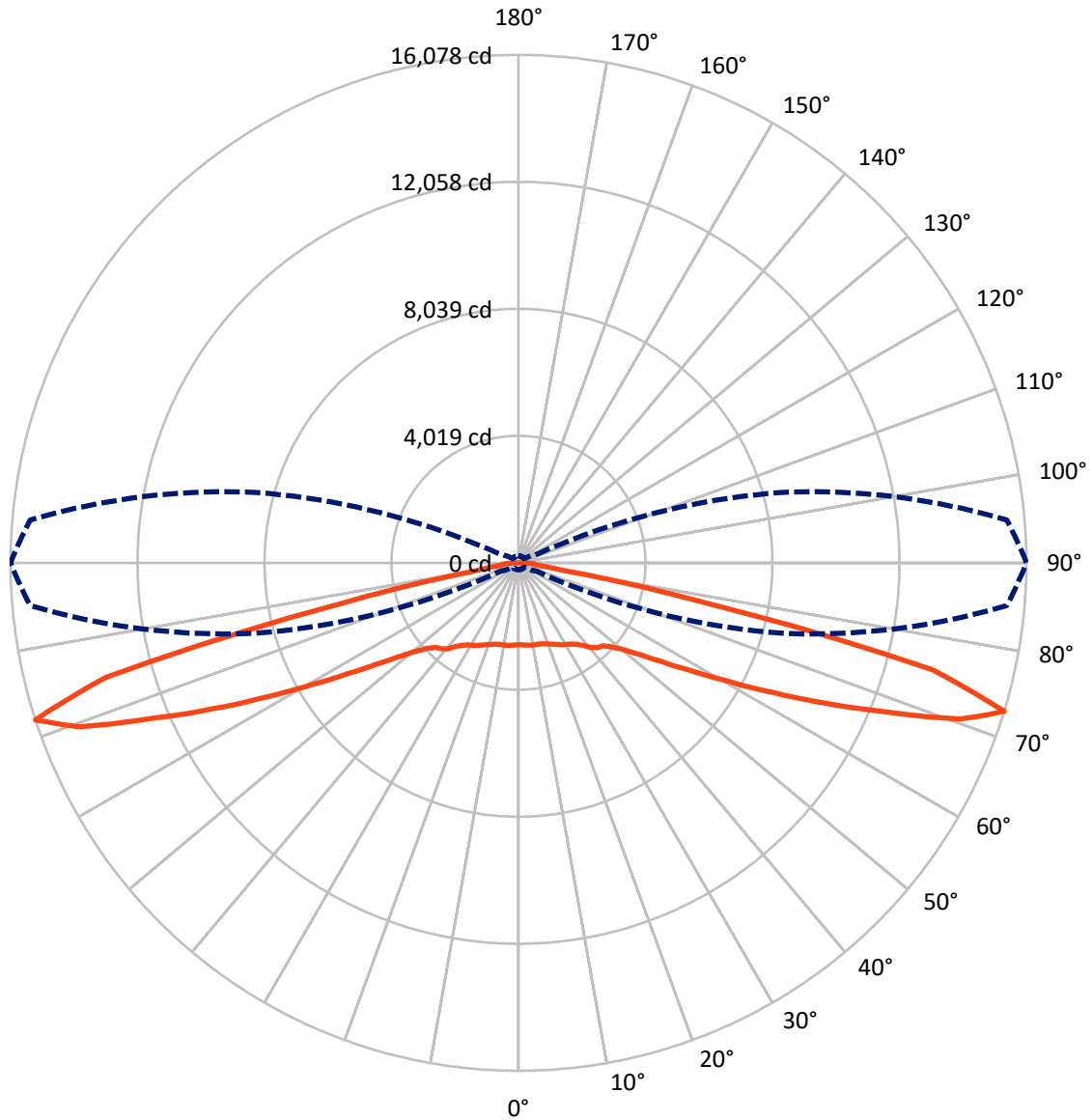
× Max cd
 - - - 1/2 Max cd



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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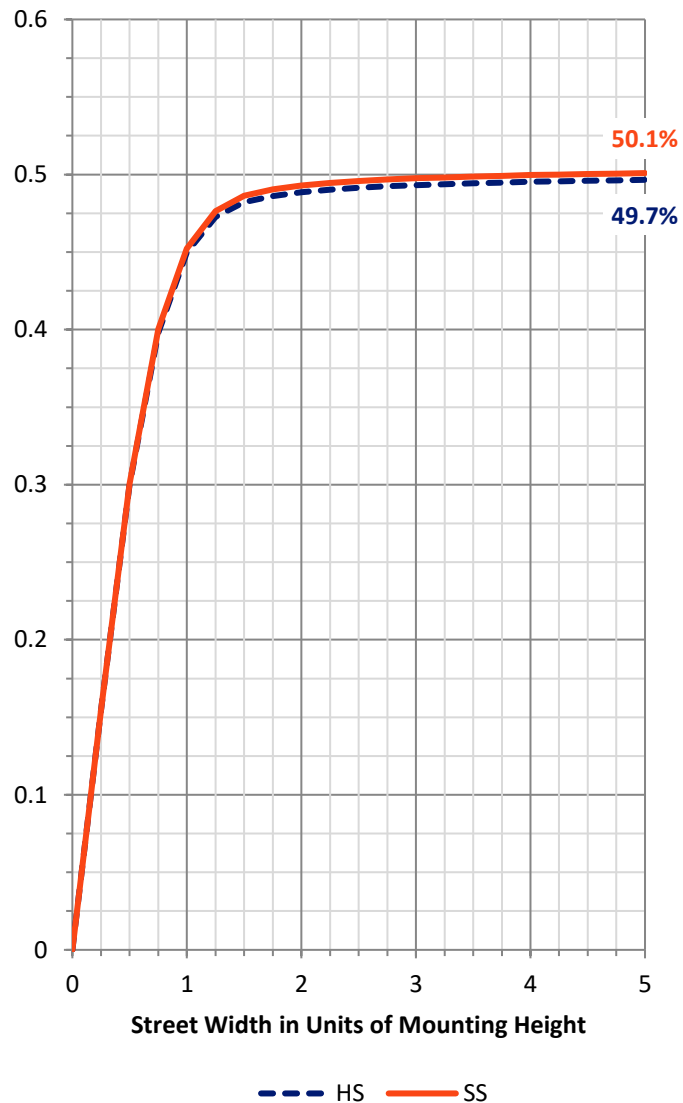
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6953.5	0.0	6953.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6953.5	0.0	6953.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13907.0	0.0	13907.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.0	1.8
10°-20°	770.4	5.5
20°-30°	1284.6	9.2
30°-40°	1766.8	12.7
40°-50°	2157.7	15.5
50°-60°	2495.6	17.9
60°-70°	2975.6	21.4
70°-80°	2076.8	14.9
80°-90°	127.6	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°	13907.0	100.0
0°-180°	13907.0	100.0

Coefficient of Utilization

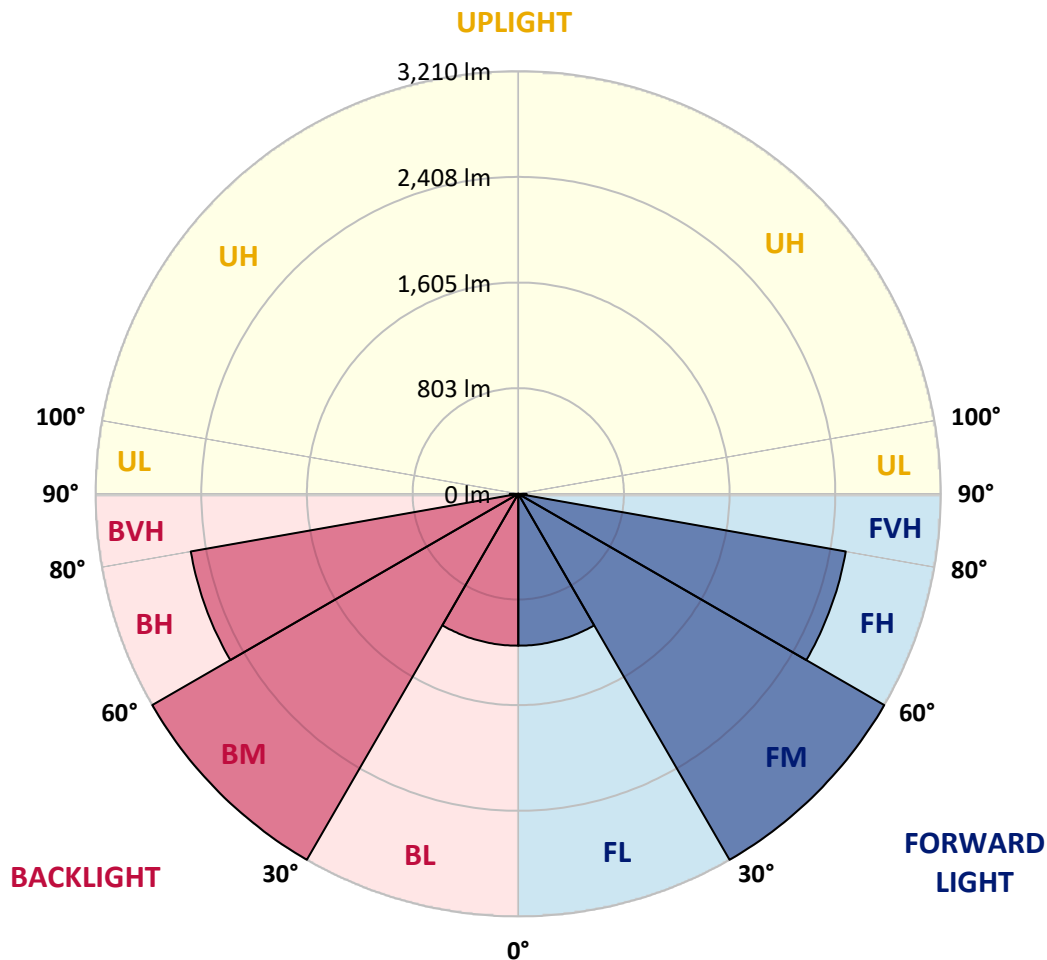


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1153.5	8.3			
FM (30°-60°)	3210.0	23.1			
FH (60°-80°)	2526.2	18.2			G2/5000
FVH (80°-90°)	63.8	0.5			G1/100
BL (0°-30°)	1153.5	8.3	B3/2500		
BM (30°-60°)	3210.0	23.1	B3/5000		
BH (60°-80°)	2526.2	18.2	B4/5000		G4/5000
BVH (80°-90°)	63.8	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°	2598.7	2598.7	2598.7	2598.7	2598.7	2598.7	2598.7	2598.7	2598.7	2598.7
2.5°	2600.9	2603.8	2603.8	2601.6	2606.8	2602.4	2602.4	2600.1	2602.4	2600.1
5°	2614.2	2617.9	2619.4	2618.6	2625.3	2621.6	2621.6	2618.6	2619.4	2617.1
7.5°	2639.3	2644.5	2647.5	2651.1	2660.8	2656.3	2653.4	2644.5	2640.8	2634.9
10°	2647.5	2653.4	2663.0	2682.2	2704.4	2705.1	2696.2	2674.1	2657.1	2643.8
12.5°	2622.3	2630.5	2650.4	2689.6	2739.1	2759.1	2745.0	2708.1	2674.8	2651.1
15°	2590.5	2599.4	2629.7	2688.8	2762.0	2808.6	2807.1	2758.3	2705.1	2668.1
17.5°	2541.0	2549.9	2593.5	2676.3	2779.7	2856.6	2877.3	2827.1	2752.4	2702.9
20°	2451.6	2459.7	2520.3	2636.4	2785.7	2907.6	2961.6	2917.2	2824.1	2756.8
22.5°	2335.6	2348.1	2419.1	2567.6	2771.6	2960.8	3057.6	3027.3	2907.6	2814.5
25°	2211.4	2224.7	2307.5	2483.4	2735.4	2999.3	3171.5	3152.3	3002.2	2886.2
27.5°	2104.2	2118.3	2208.4	2399.9	2679.2	3014.0	3283.8	3293.4	3116.8	2965.3
30°	2020.0	2033.3	2129.3	2332.6	2606.8	2999.3	3382.1	3448.6	3233.6	3034.0
32.5°	1927.6	1944.6	2045.8	2250.6	2521.1	2963.8	3467.8	3616.4	3368.8	3107.9
35°	1810.8	1826.3	1932.7	2138.2	2408.7	2906.9	3539.5	3802.7	3562.5	3220.3
37.5°	1668.9	1683.7	1789.4	1997.8	2297.1	2827.1	3594.2	4012.6	3793.1	3382.1
40°	1526.2	1540.3	1639.3	1841.1	2163.3	2725.1	3613.5	4218.0	4057.6	3604.6
42.5°	1395.4	1408.0	1498.9	1686.6	2013.3	2595.0	3588.3	4396.9	4294.9	3759.8
45°	1274.9	1286.0	1366.6	1541.8	1857.4	2436.8	3512.9	4589.1	4577.2	3870.7
47.5°	1137.5	1148.6	1232.1	1401.3	1701.4	2251.3	3385.1	4778.3	4969.7	4122.0
50°	969.7	979.3	1065.0	1239.5	1539.5	2054.0	3207.7	4926.8	5464.9	4502.6
52.5°	770.9	781.2	864.7	1039.2	1347.4	1841.8	2974.1	5023.7	6037.0	5058.4
55°	573.5	580.9	653.4	810.1	1109.4	1600.1	2681.4	5051.0	6685.9	5818.2
57.5°	416.1	420.5	467.1	583.9	841.1	1297.9	2325.9	4980.0	7458.2	6792.3
60°	337.0	338.5	352.5	404.3	584.6	956.4	1896.5	4736.1	8296.4	8048.0
62.5°	306.0	306.0	309.7	323.7	395.4	631.2	1376.9	4230.6	9195.1	9634.9
65°	284.6	284.6	286.0	292.7	311.9	402.1	869.2	3407.2	9952.7	11493.7
67.5°	265.3	266.1	265.3	267.6	278.6	297.1	504.1	2353.3	10360.7	13419.8
70°	245.4	246.9	243.2	243.2	252.0	252.8	315.6	1290.5	10022.2	15034.0
72.5°	221.7	223.9	218.0	216.6	223.2	220.3	237.3	619.4	8604.6	15515.9
75°	201.0	204.0	190.7	187.0	187.0	184.8	192.9	317.8	5584.6	12657.1
77.5°	182.6	188.5	167.0	155.2	152.3	145.6	157.4	194.4	2442.7	5942.4
80°	150.8	158.9	137.5	123.4	118.3	110.9	124.2	136.0	726.5	1379.9
82.5°	112.3	116.0	97.6	88.0	83.5	78.3	93.1	94.6	236.5	488.5
85°	71.7	73.2	59.9	51.7	49.5	47.3	59.1	51.7	90.2	359.2
87.5°	25.1	28.8	22.9	20.7	22.2	18.5	27.3	15.5	25.1	253.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2598.7
2600.1
2617.1
2634.9
2641.5
2647.5
2662.2
2694.8
2744.3
2797.5
2862.5
2940.1
2997.8
3062.1
3169.3
3314.1
3532.2
3666.7
3745.0
3977.1
4320.8
4834.4
5538.1
6439.8
7603.8
9039.9
10741.3
12607.5
14820.4
16077.6
13538.1
5818.9
1321.5
552.1
521.8
314.1
0.0

OF REPORT)