

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: P846734

Luminaire Tested: **GLAN-SB2C-730-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846734
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-730-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14312 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

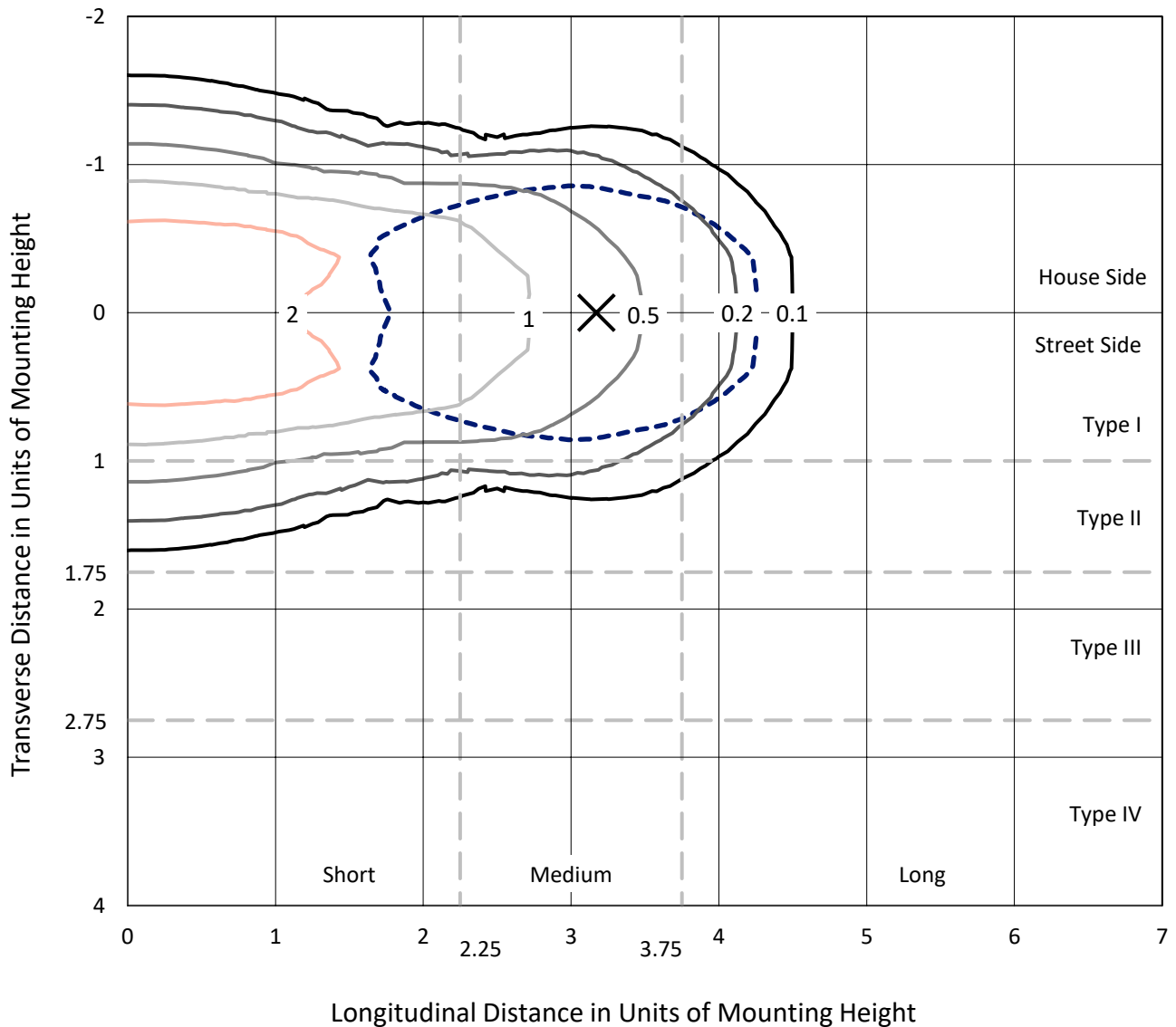
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

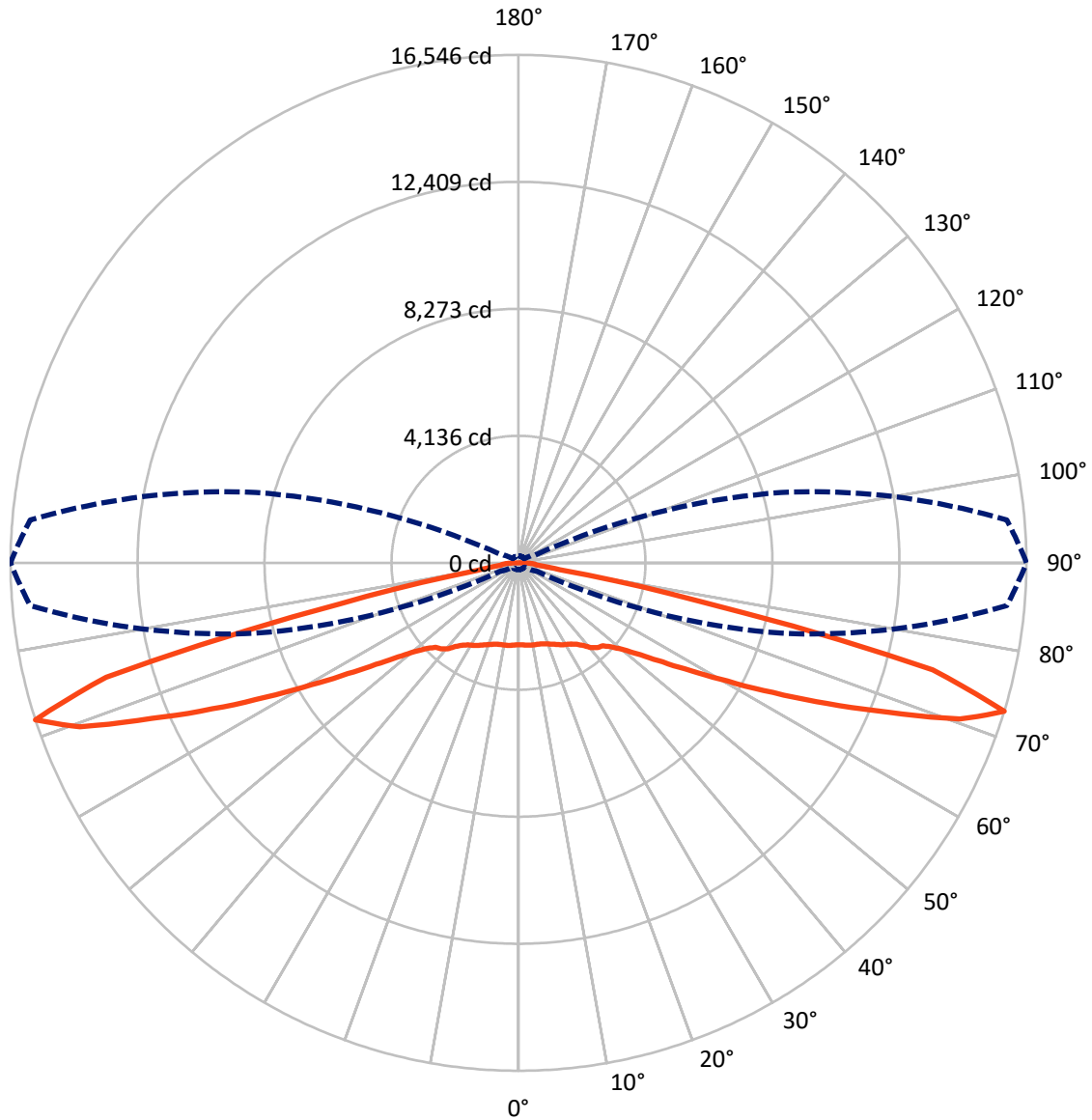
× Max cd
 - - - 1/2 Max cd



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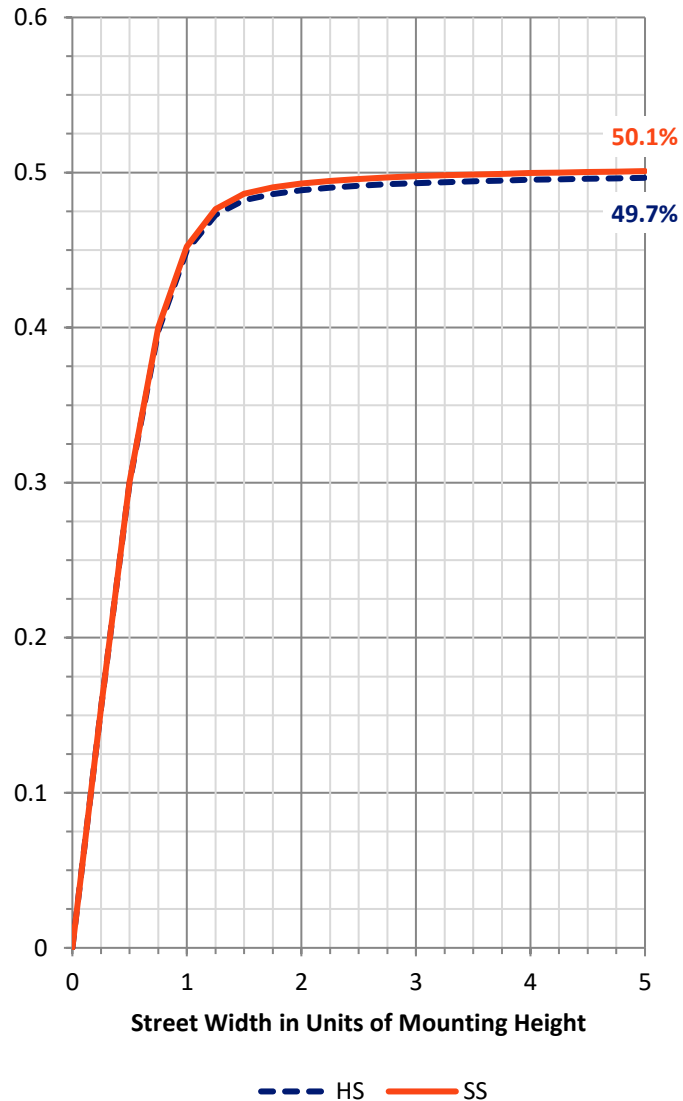
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7156.0	0.0	7156.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7156.0	0.0	7156.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14312.0	0.0	14312.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.3	1.8
10°-20°	792.9	5.5
20°-30°	1322.0	9.2
30°-40°	1818.2	12.7
40°-50°	2220.5	15.5
50°-60°	2568.3	17.9
60°-70°	3062.2	21.4
70°-80°	2137.2	14.9
80°-90°	131.3	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°	14312.0	100.0
0°-180°	14312.0	100.0

Coefficient of Utilization

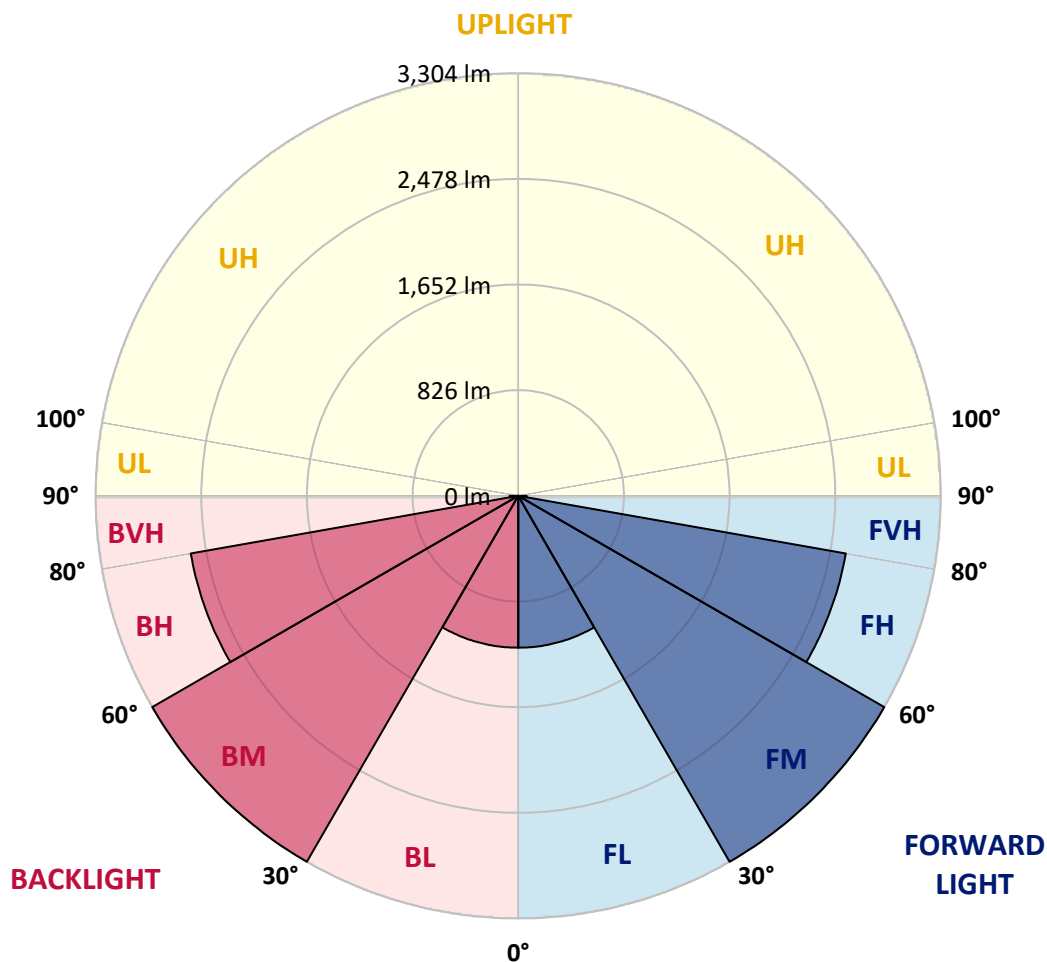


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1187.1	8.3			
FM (30°-60°)	3303.5	23.1			
FH (60°-80°)	2599.7	18.2			G2/5000
FVH (80°-90°)	65.6	0.5			G1/100
BL (0°-30°)	1187.1	8.3	B3/2500		
BM (30°-60°)	3303.5	23.1	B3/5000		
BH (60°-80°)	2599.7	18.2	B4/5000		G4/5000
BVH (80°-90°)	65.6	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°	2674.3	2674.3	2674.3	2674.3	2674.3	2674.3	2674.3	2674.3	2674.3	2674.3
2.5°	2676.6	2679.7	2679.7	2677.4	2682.7	2678.2	2678.2	2675.9	2678.2	2675.9
5°	2690.3	2694.1	2695.6	2694.9	2701.7	2697.9	2697.9	2694.9	2695.6	2693.4
7.5°	2716.2	2721.5	2724.5	2728.4	2738.2	2733.7	2730.6	2721.5	2717.7	2711.6
10°	2724.5	2730.6	2740.5	2760.3	2783.1	2783.9	2774.8	2751.9	2734.4	2720.7
12.5°	2698.7	2707.1	2727.6	2767.9	2818.9	2839.4	2825.0	2786.9	2752.7	2728.4
15°	2666.0	2675.1	2706.3	2767.1	2842.4	2890.4	2888.8	2838.6	2783.9	2745.8
17.5°	2615.0	2624.1	2669.0	2754.2	2860.7	2939.8	2961.1	2909.4	2832.6	2781.6
20°	2523.0	2531.4	2593.7	2713.1	2866.8	2992.3	3047.8	3002.2	2906.3	2837.1
22.5°	2403.6	2416.5	2489.5	2642.4	2852.3	3047.1	3146.7	3115.5	2992.3	2896.5
25°	2275.8	2289.5	2374.7	2555.7	2815.1	3086.6	3263.8	3244.1	3089.6	2970.2
27.5°	2165.5	2179.9	2272.7	2469.7	2757.3	3101.8	3379.4	3389.3	3207.5	3051.6
30°	2078.8	2092.5	2191.4	2400.5	2682.7	3086.6	3480.6	3549.1	3327.7	3122.4
32.5°	1983.7	2001.2	2105.4	2316.1	2594.5	3050.1	3568.8	3721.7	3466.9	3198.4
35°	1863.5	1879.5	1989.0	2200.5	2478.9	2991.5	3642.6	3913.4	3666.2	3314.0
37.5°	1717.5	1732.7	1841.5	2056.0	2364.0	2909.4	3698.9	4129.4	3903.5	3480.6
40°	1570.7	1585.1	1687.1	1894.7	2226.3	2804.4	3718.7	4340.9	4175.8	3709.6
42.5°	1436.1	1449.0	1542.5	1735.7	2071.9	2670.5	3692.8	4524.9	4420.0	3869.3
45°	1312.1	1323.5	1406.4	1586.7	1911.4	2507.8	3615.2	4722.7	4710.5	3983.4
47.5°	1170.6	1182.0	1268.0	1442.1	1751.0	2316.9	3483.7	4917.4	5114.4	4242.0
50°	997.9	1007.8	1096.1	1275.6	1584.4	2113.8	3301.1	5070.3	5624.0	4633.7
52.5°	793.3	804.0	889.9	1069.4	1386.6	1895.5	3060.7	5170.0	6212.8	5205.7
55°	590.2	597.8	672.4	833.6	1141.7	1646.7	2759.5	5198.1	6880.6	5987.6
57.5°	428.2	432.8	480.7	600.9	865.6	1335.7	2393.7	5125.1	7675.4	6990.1
60°	346.8	348.4	362.8	416.1	601.7	984.2	1951.8	4874.1	8538.0	8282.4
62.5°	314.9	314.9	318.7	333.2	406.9	649.6	1417.0	4353.8	9462.9	9915.5
65°	292.8	292.8	294.4	301.2	321.0	413.8	894.5	3506.5	10242.5	11828.4
67.5°	273.1	273.8	273.1	275.3	286.8	305.8	518.7	2421.8	10662.4	13810.6
70°	252.5	254.0	250.2	250.2	259.4	260.1	324.8	1328.0	10314.0	15471.8
72.5°	228.2	230.5	224.4	222.9	229.7	226.7	244.2	637.4	8855.2	15967.7
75°	206.9	209.9	196.2	192.4	192.4	190.2	198.5	327.1	5747.3	13025.7
77.5°	187.9	194.0	171.9	159.7	156.7	149.8	162.0	200.0	2513.9	6115.4
80°	155.2	163.5	141.5	127.0	121.7	114.1	127.8	140.0	747.7	1420.1
82.5°	115.6	119.4	100.4	90.5	86.0	80.6	95.8	97.4	243.4	502.8
85°	73.8	75.3	61.6	53.2	51.0	48.7	60.8	53.2	92.8	369.7
87.5°	25.9	29.7	23.6	21.3	22.8	19.0	28.1	16.0	25.9	260.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2674.3
2675.9
2693.4
2711.6
2718.5
2724.5
2739.8
2773.2
2824.2
2879.0
2945.9
3025.8
3085.1
3151.3
3261.5
3410.6
3635.0
3773.4
3854.1
4092.9
4446.6
4975.2
5699.3
6627.3
7825.3
9303.2
11054.1
12974.7
15252.0
16545.8
13932.3
5988.4
1360.0
568.2
537.0
323.3
0.0

OF REPORT)