

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: P847904

Luminaire Tested: **GLAN-SB4B-722-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847904
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-SB4B-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17458 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

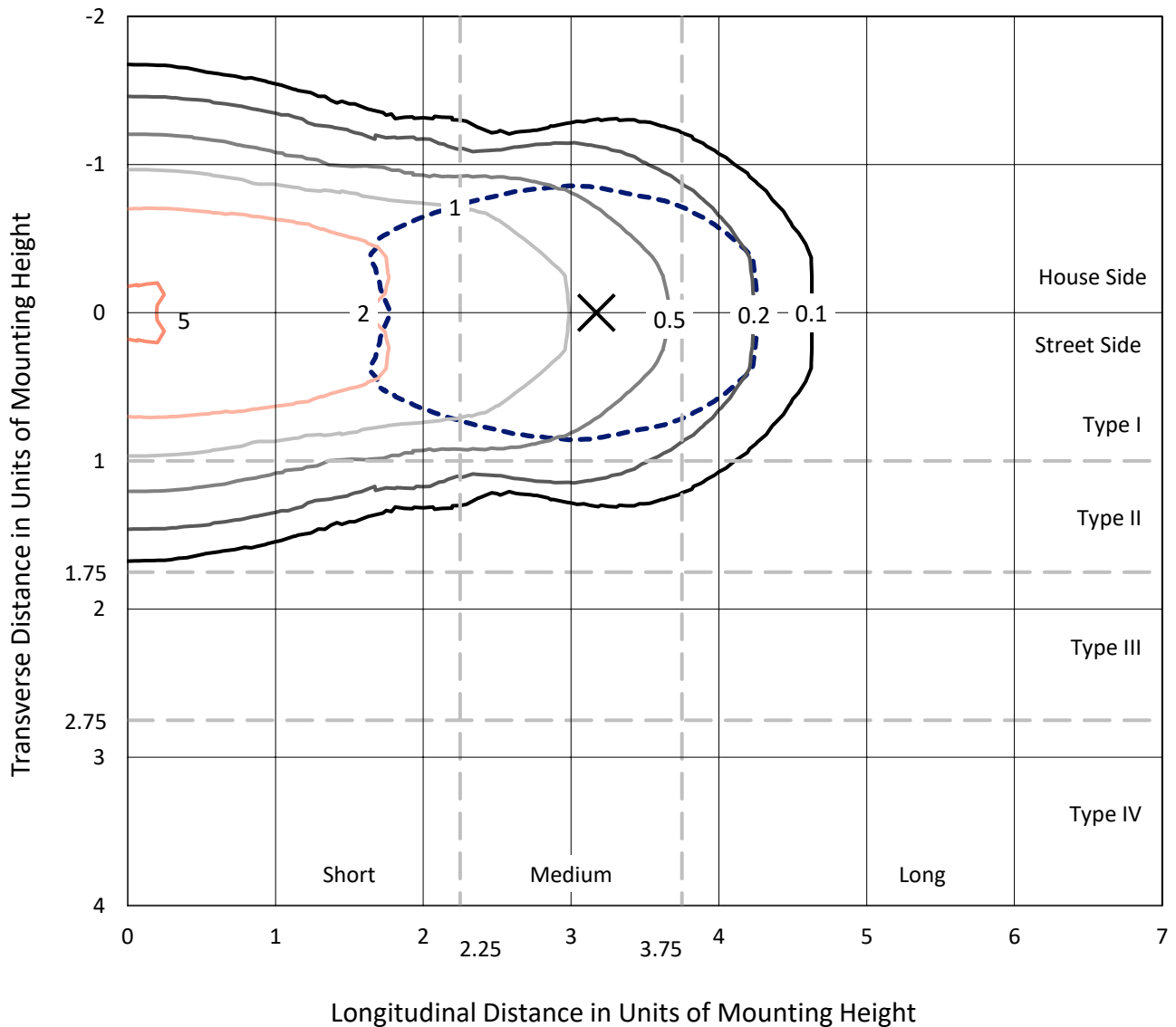
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

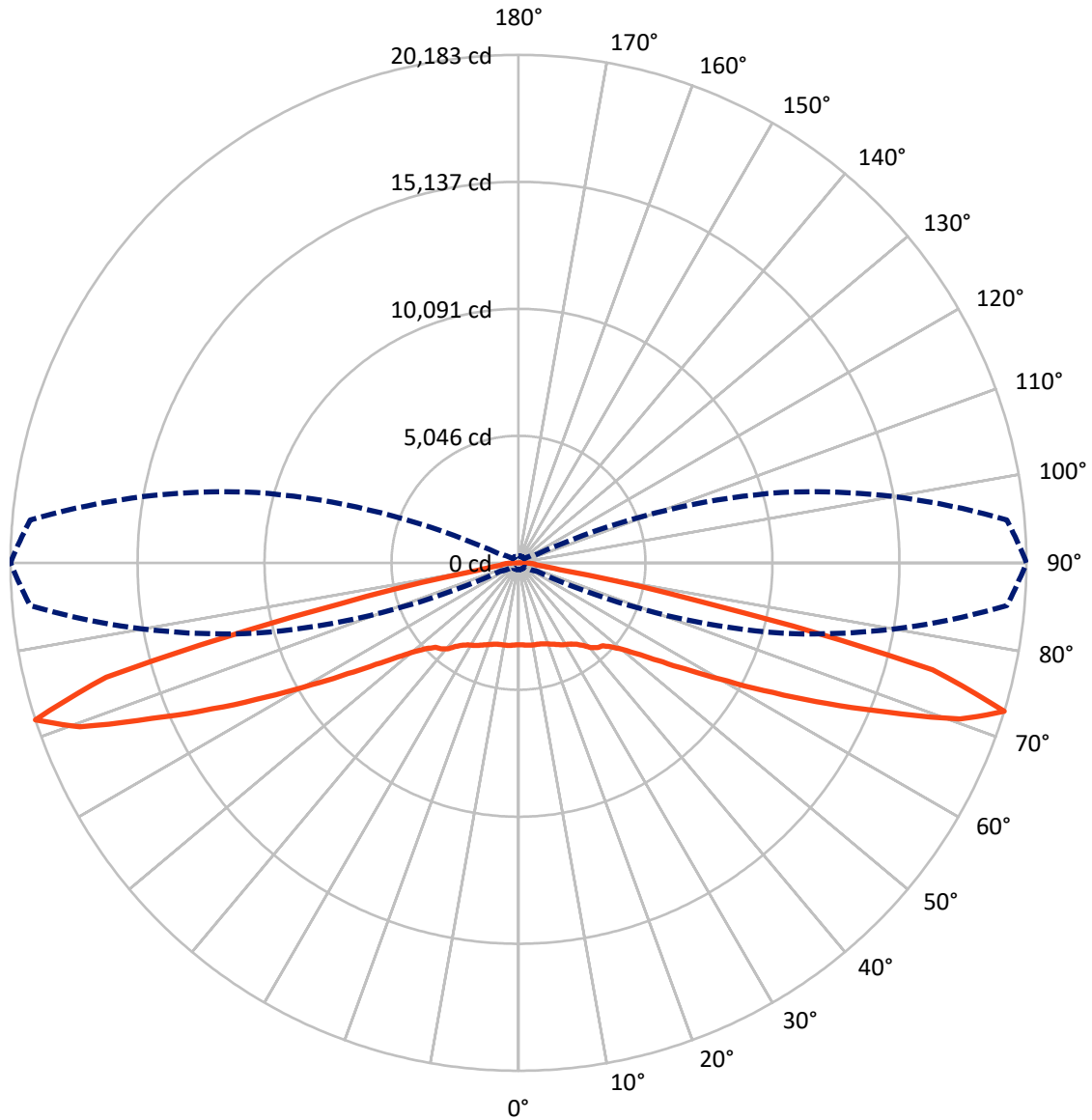
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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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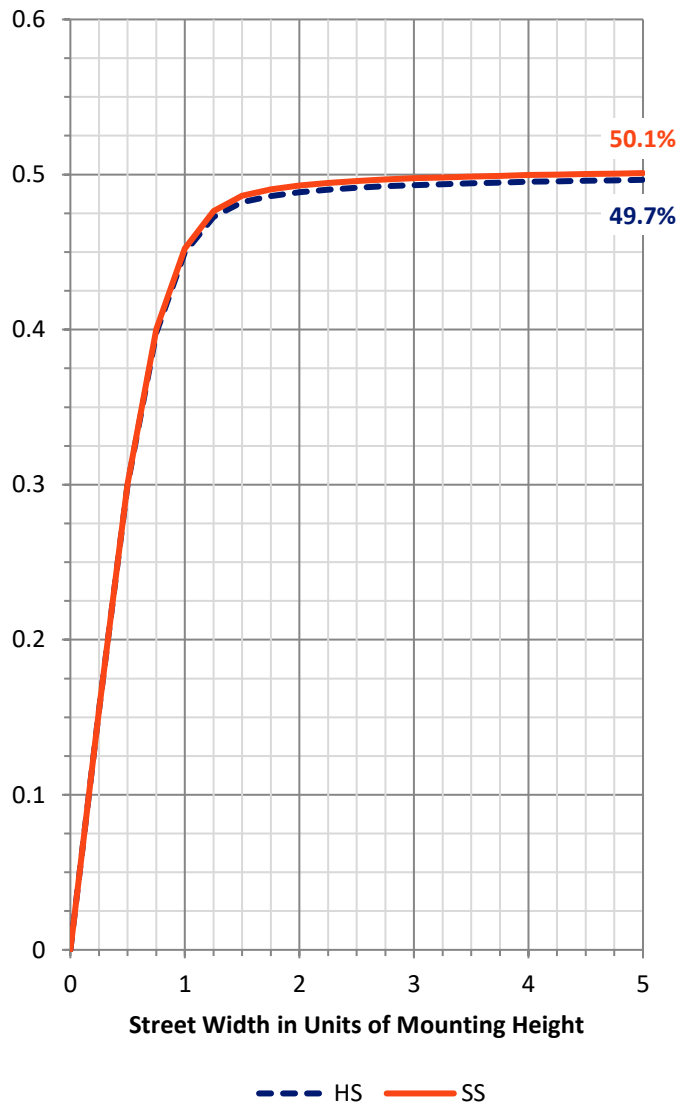
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8729.0	0.0	8729.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8729.0	0.0	8729.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17458.0	0.0	17458.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.3	1.8
10°-20°	967.1	5.5
20°-30°	1612.6	9.2
30°-40°	2217.9	12.7
40°-50°	2708.6	15.5
50°-60°	3132.8	17.9
60°-70°	3735.4	21.4
70°-80°	2607.1	14.9
80°-90°	160.1	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°	17458.0	100.0
0°-180°	17458.0	100.0

Coefficient of Utilization

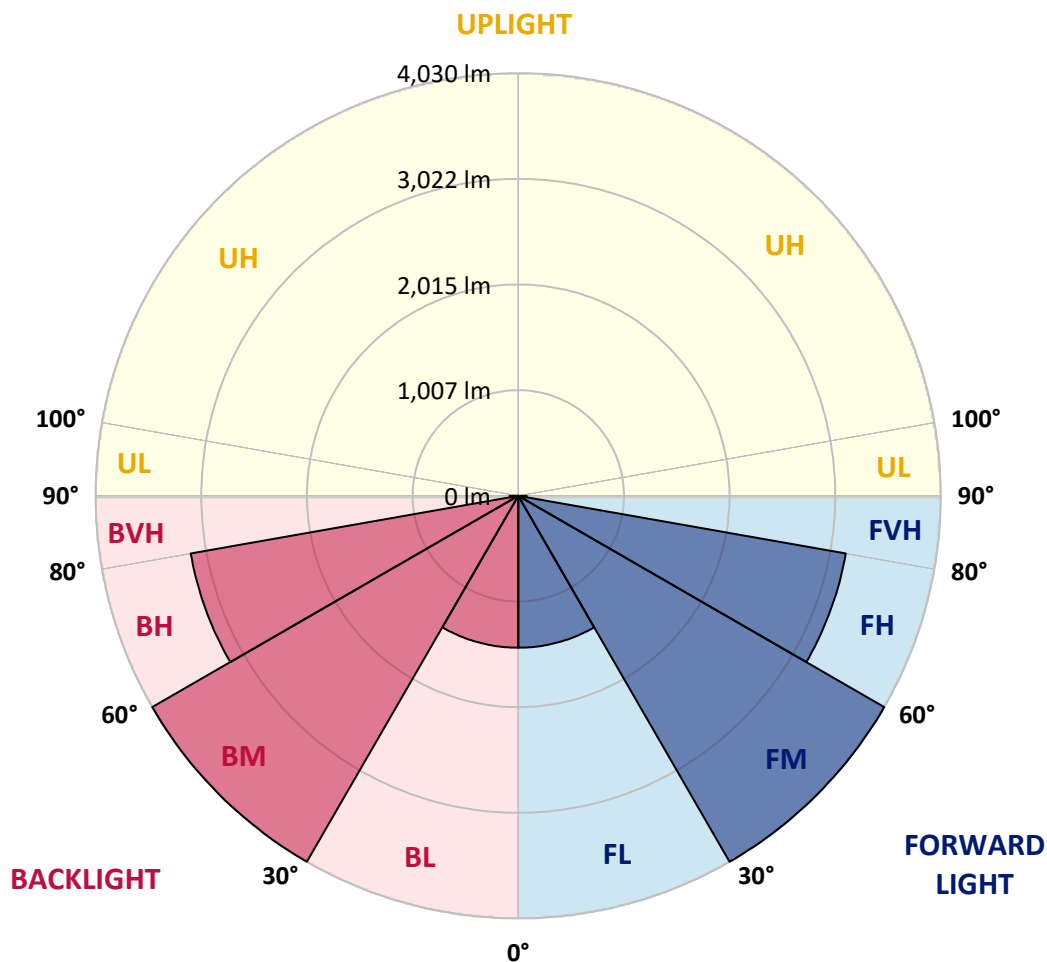


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1448.0	8.3			
FM (30°-60°)	4029.7	23.1			
FH (60°-80°)	3171.2	18.2			G2/5000
FVH (80°-90°)	80.1	0.5			G1/100
BL (0°-30°)	1448.0	8.3	B3/2500		
BM (30°-60°)	4029.7	23.1	B3/5000		
BH (60°-80°)	3171.2	18.2	B4/5000		G4/5000
BVH (80°-90°)	80.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3262.2	3262.2	3262.2	3262.2	3262.2	3262.2	3262.2	3262.2	3262.2	3262.2
2.5°	3265.0	3268.7	3268.7	3265.9	3272.4	3266.9	3266.9	3264.1	3266.9	3264.1
5°	3281.7	3286.3	3288.2	3287.3	3295.6	3291.0	3291.0	3287.3	3288.2	3285.4
7.5°	3313.2	3319.7	3323.4	3328.1	3340.1	3334.6	3330.9	3319.7	3315.1	3307.7
10°	3323.4	3330.9	3342.9	3367.1	3394.9	3395.8	3384.7	3356.8	3335.5	3318.8
12.5°	3291.9	3302.1	3327.2	3376.3	3438.5	3463.5	3445.9	3399.5	3357.8	3328.1
15°	3252.0	3263.1	3301.2	3375.4	3467.3	3525.7	3523.9	3462.6	3395.8	3349.4
17.5°	3189.8	3201.0	3255.7	3359.6	3489.5	3586.0	3612.0	3548.9	3455.2	3393.0
20°	3077.6	3087.8	3163.9	3309.5	3496.9	3650.0	3717.8	3662.1	3545.2	3460.8
22.5°	2931.9	2947.7	3036.8	3223.2	3479.3	3716.8	3838.4	3800.3	3650.0	3533.1
25°	2776.0	2792.7	2896.7	3117.5	3433.9	3765.1	3981.3	3957.1	3768.8	3623.1
27.5°	2641.5	2659.1	2772.3	3012.6	3363.3	3783.6	4122.3	4134.4	3912.6	3722.4
30°	2535.7	2552.4	2673.0	2928.2	3272.4	3765.1	4245.7	4329.2	4059.2	3808.7
32.5°	2419.8	2441.1	2568.2	2825.2	3164.8	3720.6	4353.3	4539.8	4229.0	3901.5
35°	2273.2	2292.6	2426.2	2684.2	3023.8	3649.1	4443.3	4773.6	4472.1	4042.5
37.5°	2095.0	2113.6	2246.2	2507.9	2883.7	3548.9	4512.0	5037.1	4761.6	4245.7
40°	1915.9	1933.6	2057.9	2311.2	2715.7	3420.9	4536.1	5295.1	5093.7	4525.0
42.5°	1751.7	1767.5	1881.6	2117.3	2527.4	3257.6	4504.6	5519.6	5391.6	4719.8
45°	1600.5	1614.4	1715.5	1935.4	2331.6	3059.0	4409.9	5760.8	5746.0	4859.0
47.5°	1427.9	1441.8	1546.7	1759.1	2135.8	2826.1	4249.4	5998.3	6238.7	5174.4
50°	1217.3	1229.4	1337.0	1556.0	1932.6	2578.4	4026.7	6184.8	6860.3	5652.3
52.5°	967.7	980.7	1085.5	1304.5	1691.4	2312.1	3733.5	6306.4	7578.4	6350.0
55°	720.0	729.3	820.2	1016.9	1392.7	2008.7	3366.1	6340.7	8393.1	7303.8
57.5°	522.4	527.9	586.4	733.0	1055.9	1629.3	2919.8	6251.6	9362.6	8526.7
60°	423.1	424.9	442.6	507.5	733.9	1200.6	2380.8	5945.5	10414.8	10103.0
62.5°	384.1	384.1	388.8	406.4	496.4	792.4	1728.5	5310.8	11543.0	12095.0
65°	357.2	357.2	359.1	367.4	391.5	504.7	1091.1	4277.2	12494.0	14428.5
67.5°	333.1	334.0	333.1	335.9	349.8	373.0	632.8	2954.2	13006.2	16846.4
70°	308.0	309.9	305.3	305.3	316.4	317.3	396.2	1620.0	12581.2	18872.8
72.5°	278.3	281.1	273.7	271.9	280.2	276.5	297.8	777.5	10801.7	19477.7
75°	252.4	256.1	239.4	234.7	234.7	232.0	242.2	399.0	7010.6	15888.9
77.5°	229.2	236.6	209.7	194.8	191.1	182.8	197.6	244.0	3066.4	7459.7
80°	189.3	199.5	172.6	154.9	148.5	139.2	155.9	170.7	912.0	1732.2
82.5°	141.0	145.7	122.5	110.4	104.8	98.3	116.9	118.8	296.9	613.3
85°	90.0	91.9	75.2	64.9	62.2	59.4	74.2	64.9	113.2	450.9
87.5°	31.5	36.2	28.8	26.0	27.8	23.2	34.3	19.5	31.5	318.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3262.2
3264.1
3285.4
3307.7
3316.0
3323.4
3342.0
3382.8
3445.0
3511.8
3593.4
3690.9
3763.2
3844.0
3978.5
4160.3
4434.0
4602.9
4701.3
4992.6
5424.0
6068.9
6952.1
8084.1
9545.4
11348.2
13484.0
15826.7
18604.6
20182.8
16994.9
7304.7
1658.9
693.1
655.0
394.3
0.0

OF REPORT)