

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: P848014

Luminaire Tested: **GLAN-SB4B-850-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848014  
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-850-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19170 lumens  
Efficiency: N/A  
Efficacy: 130.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

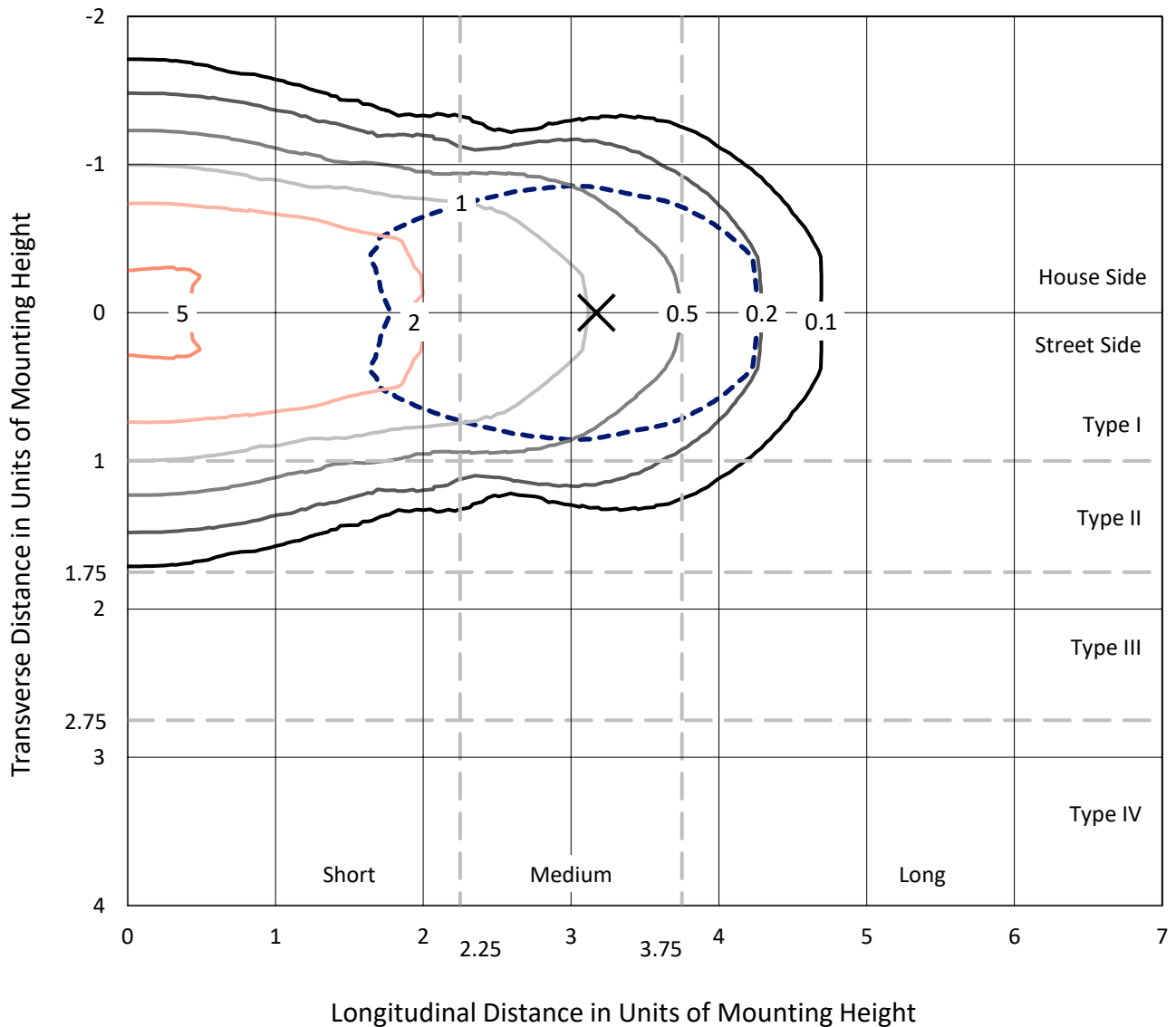
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

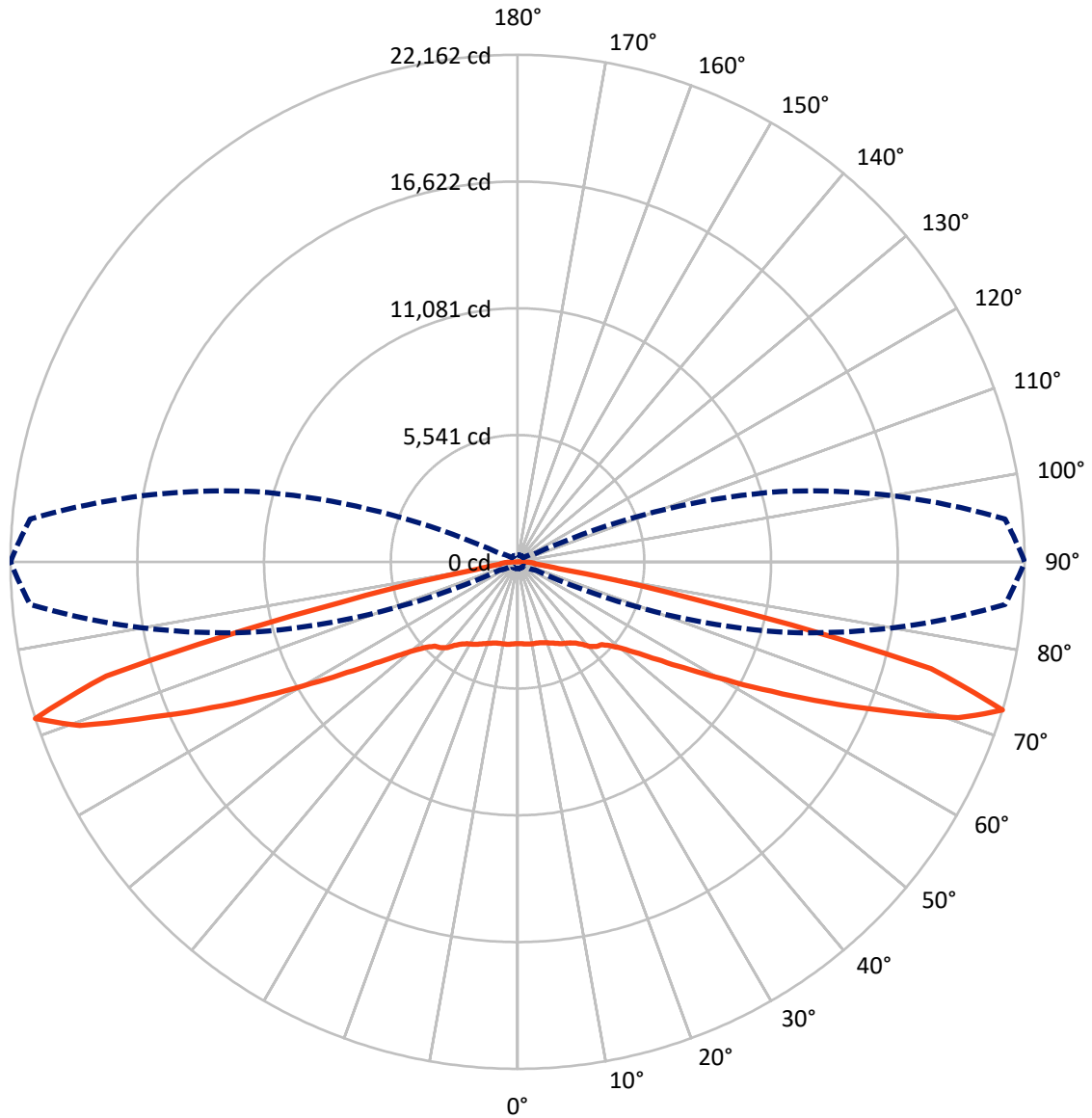
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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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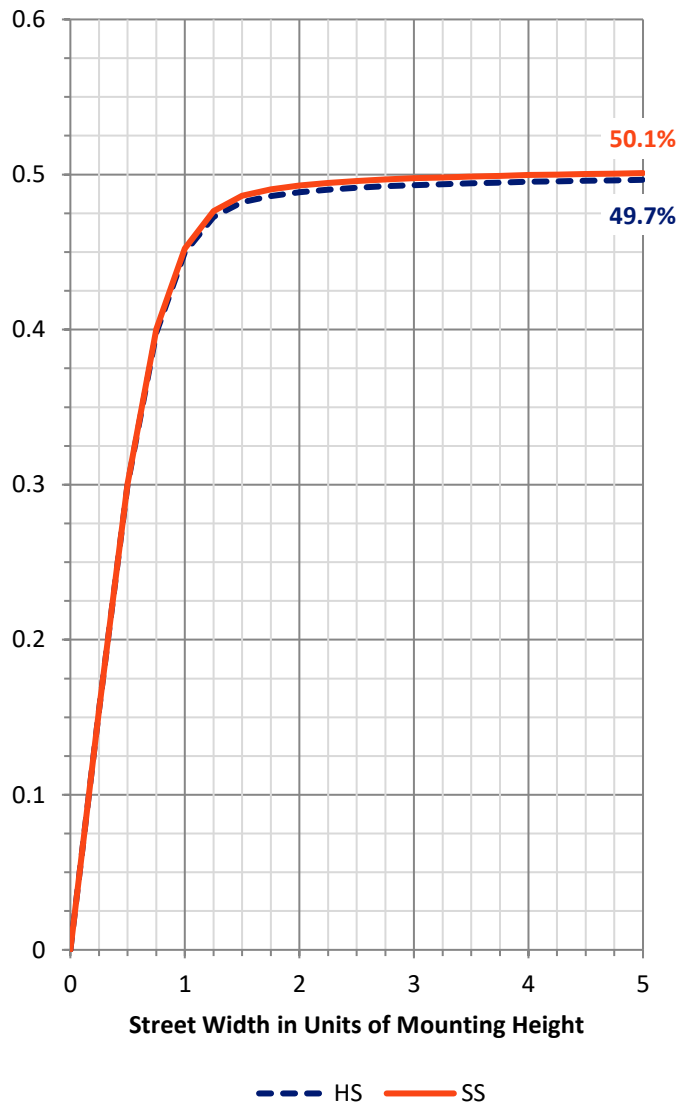
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9585.0	0.0	9585.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9585.0	0.0	9585.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19170.0	0.0	19170.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	347.3	1.8
10°-20°	1062.0	5.5
20°-30°	1770.8	9.2
30°-40°	2435.4	12.7
40°-50°	2974.3	15.5
50°-60°	3440.0	17.9
60°-70°	4101.7	21.4
70°-80°	2862.7	14.9
80°-90°	175.8	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°	19170.0	100.0
0°-180°	19170.0	100.0

**Coefficient of Utilization**

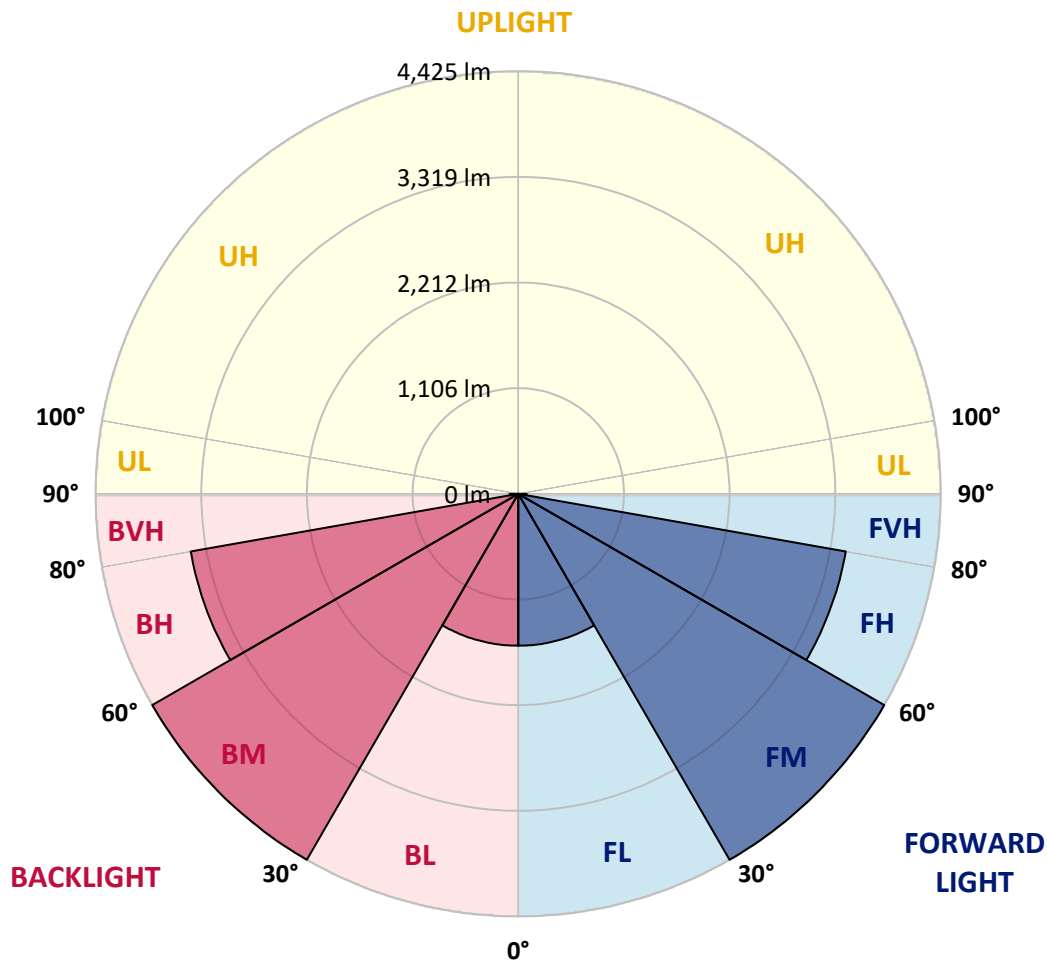


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1590.1	8.3			
FM (30°-60°)	4424.8	23.1			
FH (60°-80°)	3482.2	18.2			G2/5000
FVH (80°-90°)	87.9	0.5			G1/100
BL (0°-30°)	1590.1	8.3	B3/2500		
BM (30°-60°)	4424.8	23.1	B3/5000		
BH (60°-80°)	3482.2	18.2	B4/5000		G4/5000
BVH (80°-90°)	87.9	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°	3582.1	3582.1	3582.1	3582.1	3582.1	3582.1	3582.1	3582.1	3582.1	3582.1
2.5°	3585.2	3589.2	3589.2	3586.2	3593.3	3587.2	3587.2	3584.2	3587.2	3584.2
5°	3603.5	3608.6	3610.6	3609.6	3618.8	3613.7	3613.7	3609.6	3610.6	3607.6
7.5°	3638.2	3645.3	3649.4	3654.5	3667.7	3661.6	3657.5	3645.3	3640.2	3632.0
10°	3649.4	3657.5	3670.8	3697.2	3727.8	3728.8	3716.6	3686.0	3662.6	3644.3
12.5°	3614.7	3625.9	3653.4	3707.4	3775.7	3803.2	3783.8	3732.9	3687.1	3654.5
15°	3570.9	3583.1	3624.9	3706.4	3807.3	3871.5	3869.4	3802.2	3728.8	3677.9
17.5°	3502.7	3514.9	3575.0	3689.1	3831.7	3937.7	3966.2	3896.9	3794.0	3725.8
20°	3379.4	3390.6	3474.1	3634.1	3839.9	4008.0	4082.3	4021.2	3892.9	3800.1
22.5°	3219.4	3236.7	3334.5	3539.3	3820.5	4081.3	4214.8	4173.0	4008.0	3879.6
25°	3048.3	3066.6	3180.7	3423.2	3770.6	4134.3	4371.7	4345.2	4138.4	3978.4
27.5°	2900.5	2919.9	3044.2	3308.1	3693.2	4154.7	4526.5	4539.8	4296.3	4087.4
30°	2784.4	2802.7	2935.2	3215.3	3593.3	4134.3	4662.0	4753.7	4457.3	4182.2
32.5°	2657.0	2680.5	2820.1	3102.3	3475.1	4085.4	4780.2	4985.0	4643.7	4284.1
35°	2496.1	2517.5	2664.2	2947.4	3320.3	4007.0	4879.1	5241.7	4910.6	4438.9
37.5°	2300.5	2320.8	2466.5	2753.8	3166.4	3896.9	4954.4	5531.1	5228.5	4662.0
40°	2103.8	2123.2	2259.7	2537.8	2982.0	3756.3	4980.9	5814.3	5593.2	4968.7
42.5°	1923.5	1940.8	2066.1	2324.9	2775.2	3577.0	4946.3	6060.9	5920.3	5182.7
45°	1757.4	1772.7	1883.8	2125.2	2560.3	3359.0	4842.4	6325.8	6309.5	5335.5
47.5°	1567.9	1583.2	1698.3	1931.7	2345.3	3103.3	4666.1	6586.6	6850.4	5681.9
50°	1336.7	1349.9	1468.1	1708.5	2122.2	2831.3	4421.6	6791.4	7533.0	6206.6
52.5°	1062.6	1076.9	1192.0	1432.4	1857.3	2538.9	4099.7	6924.8	8321.6	6972.7
55°	790.6	800.8	900.6	1116.6	1529.2	2205.7	3696.2	6962.5	9216.1	8020.0
57.5°	573.6	579.7	643.9	804.9	1159.4	1789.0	3206.2	6864.7	10280.8	9362.8
60°	464.6	466.6	486.0	557.3	805.9	1318.3	2614.3	6528.5	11436.1	11093.8
62.5°	421.8	421.8	426.9	446.2	545.1	870.1	1898.0	5831.6	12674.9	13281.1
65°	392.2	392.2	394.3	403.4	429.9	554.2	1198.1	4696.7	13719.2	15843.4
67.5°	365.8	366.8	365.8	368.8	384.1	409.6	694.8	3243.9	14281.6	18498.4
70°	338.2	340.3	335.2	335.2	347.4	348.4	435.0	1778.8	13815.0	20723.5
72.5°	305.6	308.7	300.5	298.5	307.7	303.6	327.0	853.8	11860.9	21387.8
75°	277.1	281.2	262.9	257.8	257.8	254.7	265.9	438.1	7698.1	17447.0
77.5°	251.6	259.8	230.2	213.9	209.9	200.7	217.0	267.9	3367.1	8191.2
80°	207.8	219.0	189.5	170.1	163.0	152.8	171.2	187.5	1001.5	1902.1
82.5°	154.9	160.0	134.5	121.2	115.1	108.0	128.4	130.4	326.0	673.4
85°	98.8	100.9	82.5	71.3	68.3	65.2	81.5	71.3	124.3	495.1
87.5°	34.6	39.7	31.6	28.5	30.6	25.5	37.7	21.4	34.6	349.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3582.1  
3584.2  
3607.6  
3632.0  
3641.2  
3649.4  
3669.7  
3714.6  
3782.8  
3856.2  
3945.8  
4052.8  
4132.3  
4220.9  
4368.6  
4568.3  
4868.9  
5054.3  
5162.3  
5482.2  
5955.9  
6664.0  
7633.9  
8876.8  
10481.5  
12461.0  
14806.3  
17378.8  
20429.1  
22162.1  
18661.4  
8021.0  
1821.6  
761.0  
719.3  
433.0  
0.0

OF REPORT)