

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: P847764

Luminaire Tested: **GLAN-SB4A-735-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847764  
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-735-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17453 lumens  
Efficiency: N/A  
Efficacy: 153.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

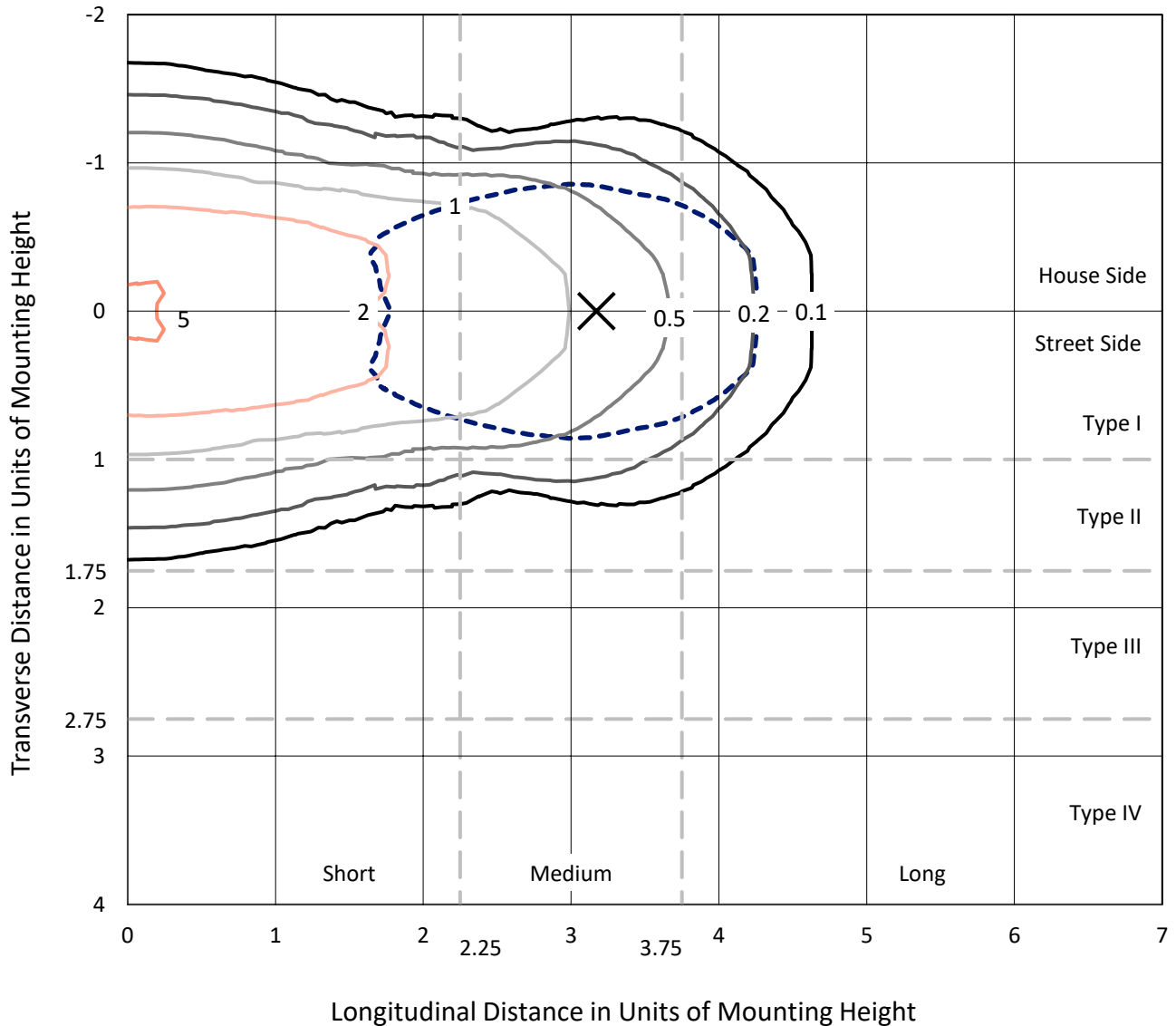
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

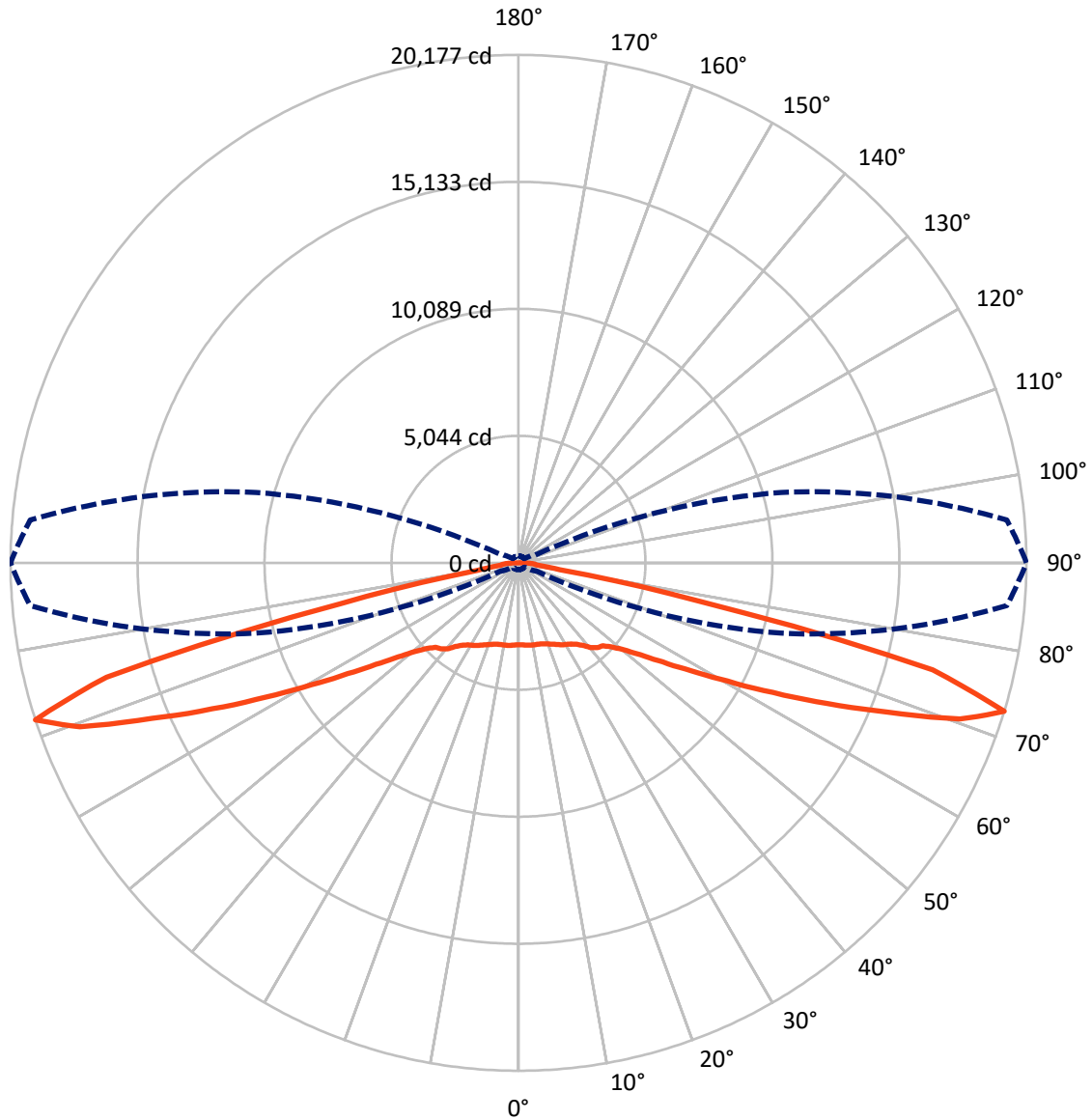
× Max cd  
 - - - 1/2 Max cd



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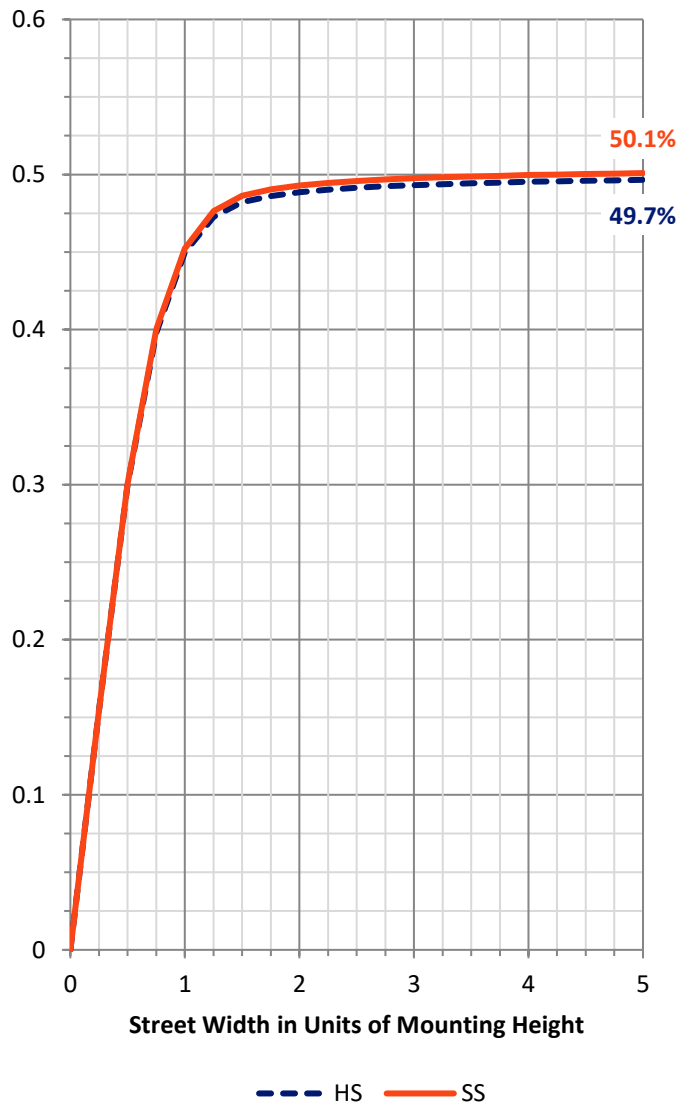
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8726.5	0.0	8726.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8726.5	0.0	8726.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17453.0	0.0	17453.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	316.2	1.8
10°-20°	966.9	5.5
20°-30°	1612.2	9.2
30°-40°	2217.2	12.7
40°-50°	2707.9	15.5
50°-60°	3131.9	17.9
60°-70°	3734.3	21.4
70°-80°	2606.3	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°	17453.0	100.0
0°-180°	17453.0	100.0

**Coefficient of Utilization**



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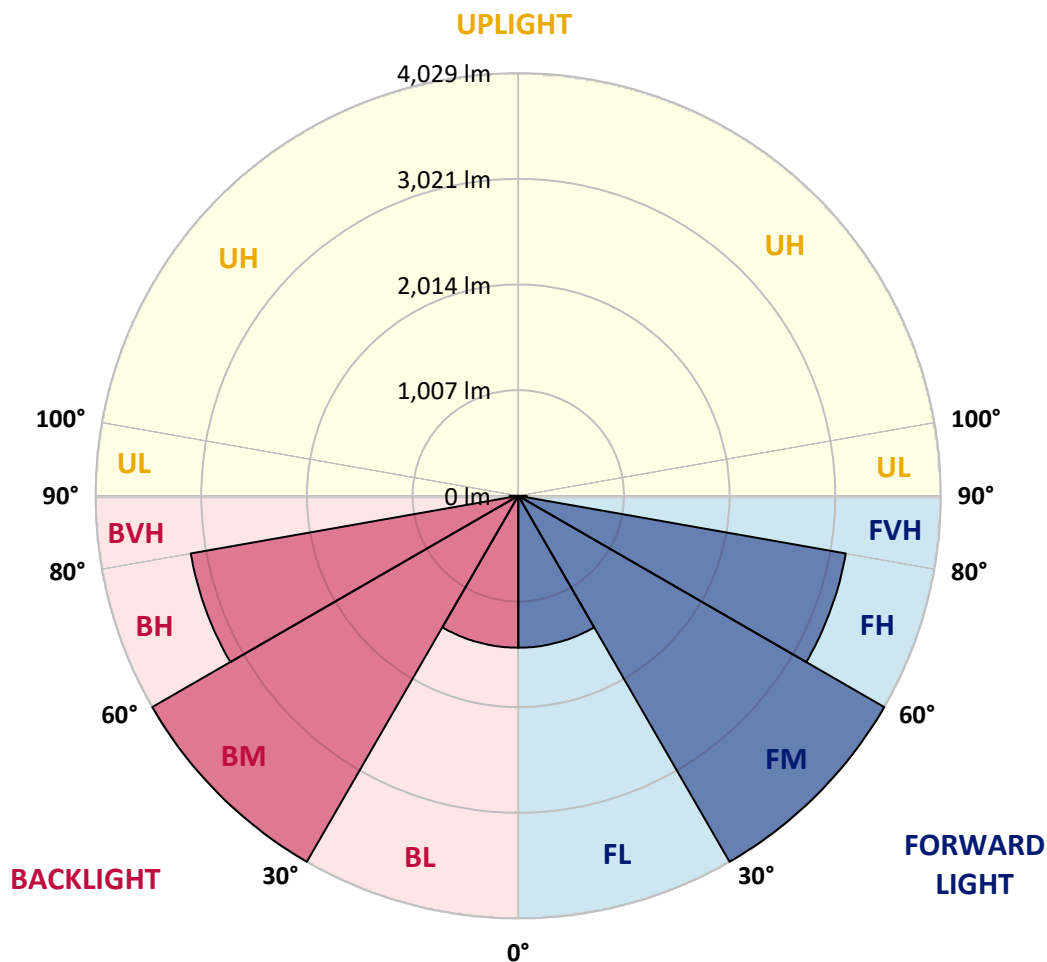
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1447.6	8.3			
FM (30°-60°)	4028.5	23.1			
FH (60°-80°)	3170.3	18.2			G2/5000
FVH (80°-90°)	80.0	0.5			G1/100
BL (0°-30°)	1447.6	8.3	B3/2500		
BM (30°-60°)	4028.5	23.1	B3/5000		
BH (60°-80°)	3170.3	18.2	B4/5000		G4/5000
BVH (80°-90°)	80.0	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°	3261.3	3261.3	3261.3	3261.3	3261.3	3261.3	3261.3	3261.3	3261.3	3261.3
2.5°	3264.1	3267.8	3267.8	3265.0	3271.5	3265.9	3265.9	3263.1	3265.9	3263.1
5°	3280.8	3285.4	3287.2	3286.3	3294.7	3290.0	3290.0	3286.3	3287.2	3284.5
7.5°	3312.3	3318.8	3322.5	3327.1	3339.2	3333.6	3329.9	3318.8	3314.1	3306.7
10°	3322.5	3329.9	3342.0	3366.1	3393.9	3394.8	3383.7	3355.9	3334.6	3317.9
12.5°	3291.0	3301.2	3326.2	3375.4	3437.5	3462.6	3444.9	3398.6	3356.8	3327.1
15°	3251.1	3262.2	3300.2	3374.4	3466.3	3524.7	3522.8	3461.6	3394.8	3348.5
17.5°	3188.9	3200.1	3254.8	3358.7	3488.5	3585.0	3611.0	3547.9	3454.2	3392.1
20°	3076.7	3086.9	3163.0	3308.6	3495.9	3649.0	3716.7	3661.1	3544.2	3459.8
22.5°	2931.1	2946.8	3035.9	3222.3	3478.3	3715.8	3837.3	3799.3	3649.0	3532.1
25°	2775.2	2791.9	2895.8	3116.6	3432.9	3764.0	3980.1	3956.0	3767.7	3622.1
27.5°	2640.7	2658.4	2771.5	3011.8	3362.4	3782.6	4121.1	4133.2	3911.5	3721.3
30°	2535.0	2551.7	2672.3	2927.4	3271.5	3764.0	4244.5	4328.0	4058.0	3807.6
32.5°	2419.1	2440.4	2567.5	2824.4	3163.9	3719.5	4352.1	4538.5	4227.8	3900.4
35°	2272.5	2292.0	2425.6	2683.4	3022.9	3648.1	4442.1	4772.3	4470.8	4041.3
37.5°	2094.4	2113.0	2245.6	2507.2	2882.8	3547.9	4510.7	5035.7	4760.2	4244.5
40°	1915.4	1933.0	2057.3	2310.5	2714.9	3419.9	4534.8	5293.5	5092.3	4523.7
42.5°	1751.2	1767.0	1881.1	2116.7	2526.7	3256.6	4503.3	5518.0	5390.0	4718.5
45°	1600.0	1613.9	1715.0	1934.9	2330.9	3058.1	4408.7	5759.2	5744.3	4857.6
47.5°	1427.5	1441.4	1546.2	1758.6	2135.2	2825.3	4248.2	5996.6	6236.9	5173.0
50°	1216.9	1229.0	1336.6	1555.5	1932.1	2577.7	4025.6	6183.1	6858.3	5650.7
52.5°	967.4	980.4	1085.2	1304.1	1690.9	2311.5	3732.5	6304.6	7576.3	6348.2
55°	719.8	729.1	820.0	1016.6	1392.3	2008.2	3365.2	6338.9	8390.6	7301.7
57.5°	522.2	527.8	586.2	732.8	1055.6	1628.8	2919.0	6249.9	9359.9	8524.2
60°	423.0	424.8	442.4	507.4	733.7	1200.3	2380.1	5943.8	10411.8	10100.1
62.5°	384.0	384.0	388.6	406.3	496.2	792.1	1728.0	5309.3	11539.7	12091.6
65°	357.1	357.1	359.0	367.3	391.4	504.6	1090.8	4276.0	12490.4	14424.4
67.5°	333.0	333.9	333.0	335.8	349.7	372.9	632.6	2953.3	13002.4	16841.6
70°	307.9	309.8	305.2	305.2	316.3	317.2	396.1	1619.5	12577.6	18867.4
72.5°	278.3	281.0	273.6	271.8	280.1	276.4	297.7	777.3	10798.6	19472.1
75°	252.3	256.0	239.3	234.7	234.7	231.9	242.1	398.8	7008.6	15884.3
77.5°	229.1	236.5	209.6	194.8	191.1	182.7	197.6	243.9	3065.6	7457.5
80°	189.2	199.4	172.5	154.9	148.4	139.1	155.8	170.7	911.8	1731.7
82.5°	141.0	145.6	122.4	110.4	104.8	98.3	116.9	118.7	296.8	613.1
85°	90.0	91.8	75.1	64.9	62.1	59.4	74.2	64.9	113.2	450.8
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°

3261.3  
3263.1  
3284.5  
3306.7  
3315.1  
3322.5  
3341.0  
3381.9  
3444.0  
3510.8  
3592.4  
3689.8  
3762.2  
3842.9  
3977.3  
4159.1  
4432.8  
4601.6  
4699.9  
4991.2  
5422.5  
6067.1  
6950.2  
8081.8  
9542.7  
11344.9  
13480.1  
15822.2  
18599.3  
20177.1  
16990.0  
7302.6  
1658.5  
692.9  
654.9  
394.2  
0.0

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