

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: P847314

Luminaire Tested: **GLAN-SB3B-835-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847314  
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-SB3B-835-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13839 lumens  
Efficiency: N/A  
Efficacy: 126.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

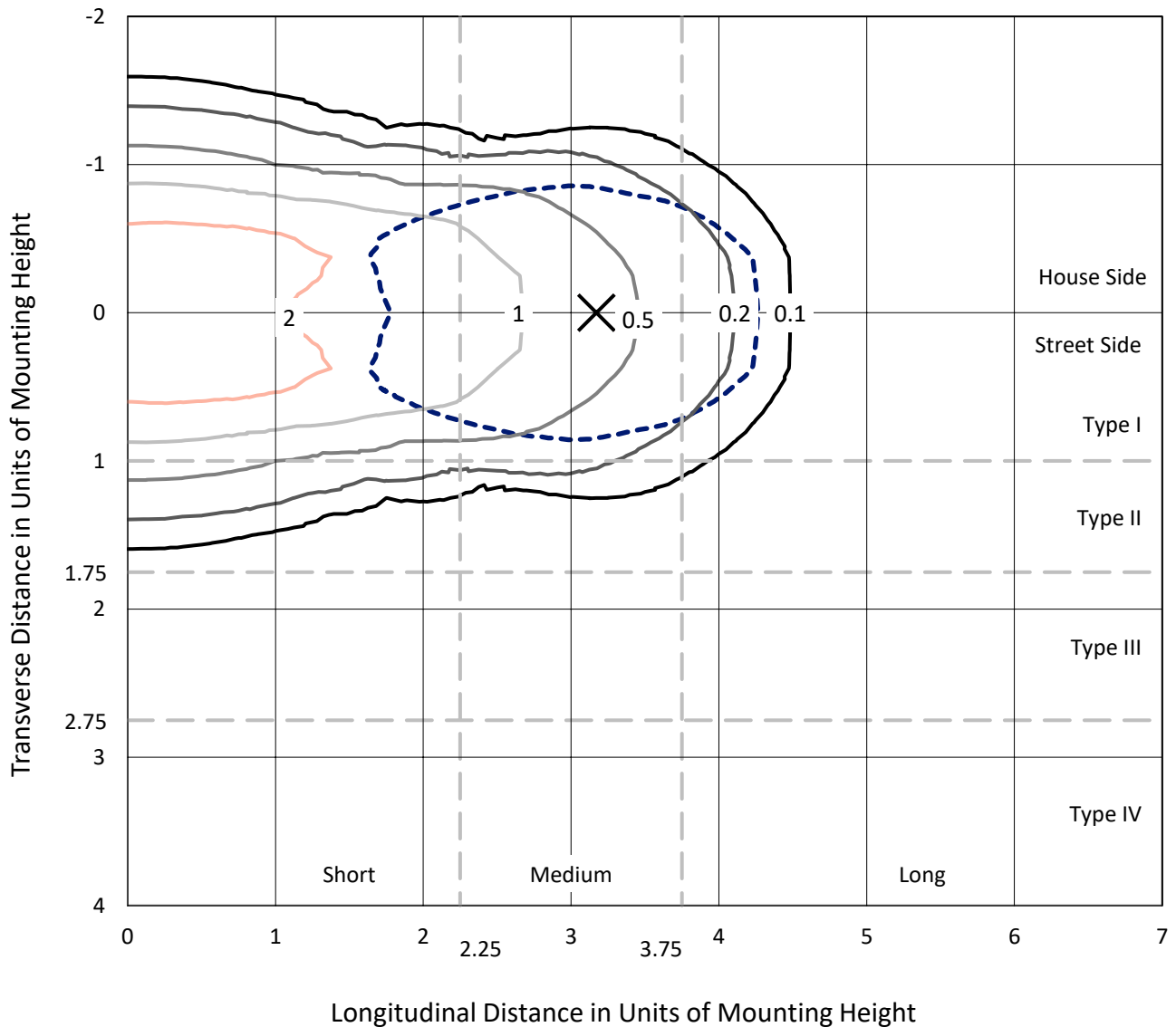
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

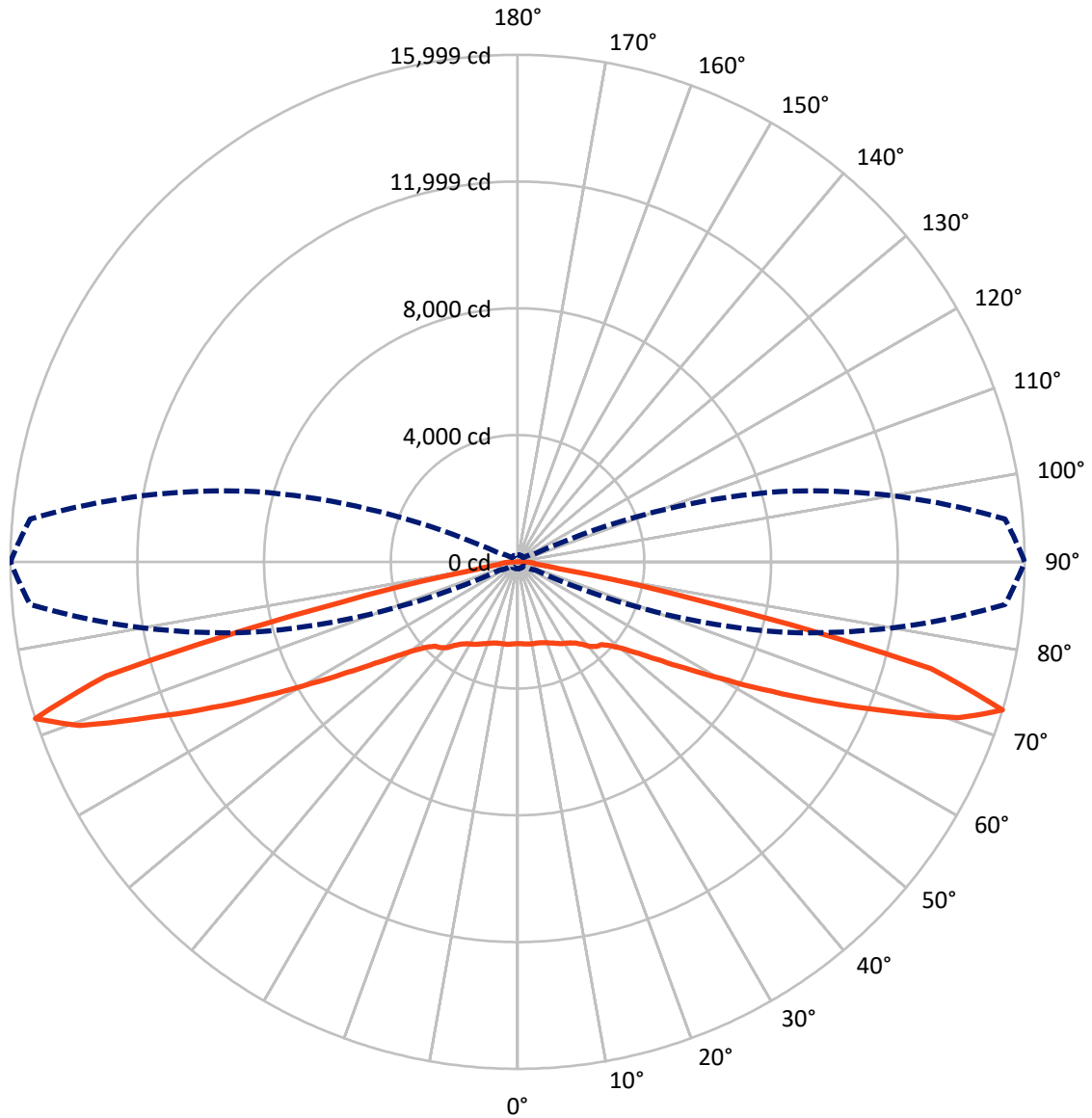
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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	6919.5	0.0	6919.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6919.5	0.0	6919.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13839.0	0.0	13839.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	250.7	1.8
10°-20°	766.7	5.5
20°-30°	1278.3	9.2
30°-40°	1758.1	12.7
40°-50°	2147.1	15.5
50°-60°	2483.4	17.9
60°-70°	2961.1	21.4
70°-80°	2066.6	14.9
80°-90°	126.9	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°	13839.0	100.0
0°-180°	13839.0	100.0

**Coefficient of Utilization**



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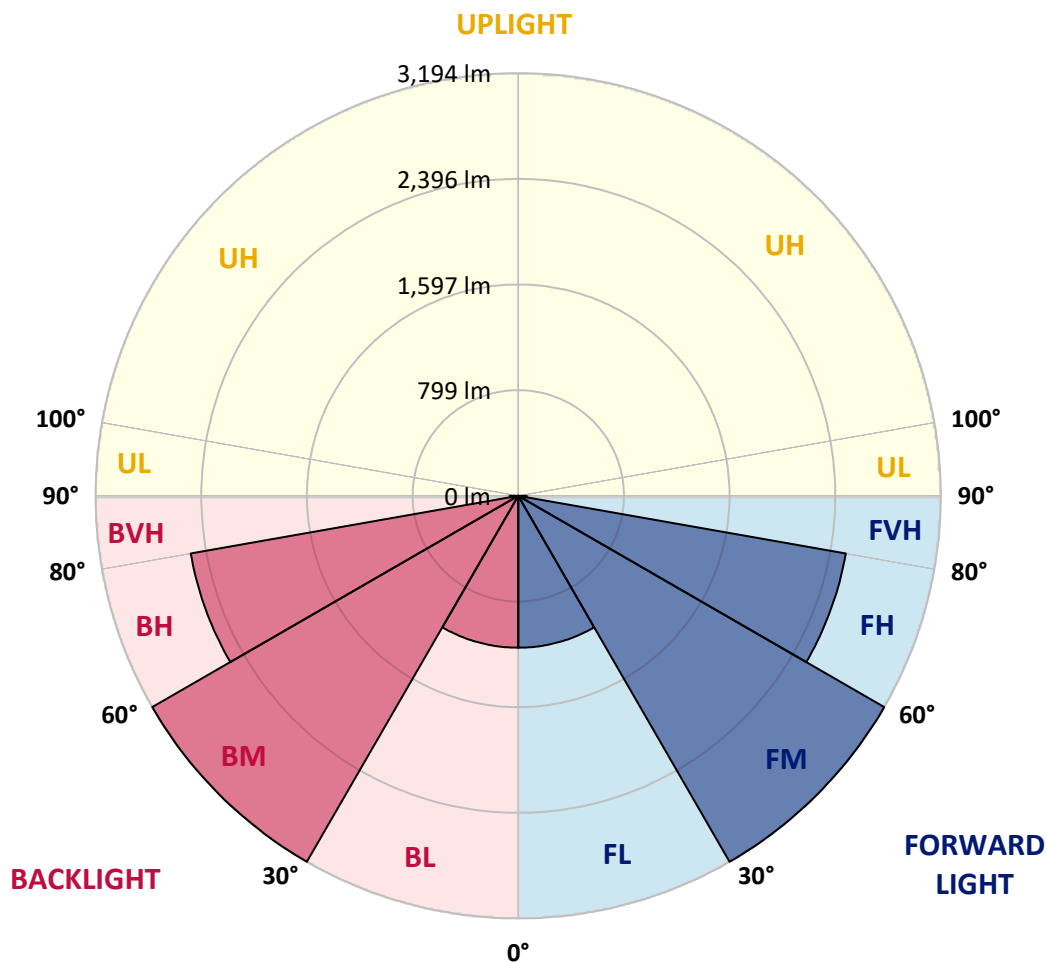
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1147.9	8.3			
FM (30°-60°)	3194.3	23.1			
FH (60°-80°)	2513.8	18.2			G2/5000
FVH (80°-90°)	63.5	0.5			G1/100
BL (0°-30°)	1147.9	8.3	B3/2500		
BM (30°-60°)	3194.3	23.1	B3/5000		
BH (60°-80°)	2513.8	18.2	B4/5000		G4/5000
BVH (80°-90°)	63.5	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°	2586.0	2586.0	2586.0	2586.0	2586.0	2586.0	2586.0	2586.0	2586.0	2586.0
2.5°	2588.2	2591.1	2591.1	2588.9	2594.1	2589.6	2589.6	2587.4	2589.6	2587.4
5°	2601.4	2605.1	2606.6	2605.8	2612.4	2608.8	2608.8	2605.8	2606.6	2604.4
7.5°	2626.4	2631.6	2634.5	2638.2	2647.7	2643.3	2640.4	2631.6	2627.9	2622.0
10°	2634.5	2640.4	2650.0	2669.1	2691.1	2691.9	2683.0	2661.0	2644.1	2630.8
12.5°	2609.5	2617.6	2637.4	2676.4	2725.7	2745.6	2731.6	2694.8	2661.7	2638.2
15°	2577.9	2586.7	2616.9	2675.7	2748.5	2794.8	2793.4	2744.8	2691.9	2655.1
17.5°	2528.6	2537.4	2580.8	2663.2	2766.2	2842.6	2863.2	2813.2	2738.9	2689.7
20°	2439.6	2447.7	2508.0	2623.5	2772.0	2893.4	2947.1	2903.0	2810.3	2743.4
22.5°	2324.1	2336.6	2407.2	2555.1	2758.1	2946.4	3042.7	3012.5	2893.4	2800.7
25°	2200.6	2213.8	2296.2	2471.2	2722.0	2984.6	3156.0	3136.8	2987.5	2872.1
27.5°	2093.9	2107.9	2197.6	2388.1	2666.1	2999.3	3267.8	3277.3	3101.5	2950.8
30°	2010.1	2023.3	2118.9	2321.2	2594.1	2984.6	3365.6	3431.8	3217.7	3019.2
32.5°	1918.1	1935.1	2035.8	2239.6	2508.7	2949.3	3450.9	3598.7	3352.3	3092.7
35°	1801.9	1817.4	1923.3	2127.8	2396.9	2892.7	3522.2	3784.1	3545.0	3204.5
37.5°	1660.7	1675.4	1780.6	1988.0	2285.9	2813.2	3576.7	3992.9	3774.5	3365.6
40°	1518.8	1532.7	1631.3	1832.1	2152.8	2711.7	3595.8	4197.4	4037.8	3587.0
42.5°	1388.6	1401.1	1491.6	1678.4	2003.5	2582.3	3570.8	4375.4	4273.9	3741.4
45°	1268.7	1279.7	1359.9	1534.2	1848.3	2424.9	3495.8	4566.6	4554.9	3851.7
47.5°	1131.9	1142.9	1226.1	1394.5	1693.1	2240.3	3368.5	4754.9	4945.4	4101.8
50°	965.0	974.5	1059.8	1233.4	1532.0	2043.9	3192.0	4902.7	5438.2	4480.6
52.5°	767.1	777.4	860.5	1034.1	1340.8	1832.8	2959.6	4999.1	6007.4	5033.7
55°	570.7	578.1	650.2	806.1	1104.0	1592.3	2668.3	5026.3	6653.2	5789.7
57.5°	414.1	418.5	464.8	581.0	837.0	1291.5	2314.6	4955.7	7421.8	6759.1
60°	335.4	336.9	350.8	402.3	581.8	951.7	1887.3	4713.0	8255.8	8008.7
62.5°	304.5	304.5	308.2	322.1	393.5	628.1	1370.2	4209.9	9150.2	9587.8
65°	283.2	283.2	284.6	291.3	310.4	400.1	864.9	3390.6	9904.0	11437.5
67.5°	264.0	264.8	264.0	266.2	277.3	295.7	501.6	2341.8	10310.0	13354.2
70°	244.2	245.7	242.0	242.0	250.8	251.5	314.1	1284.2	9973.2	14960.5
72.5°	220.6	222.9	217.0	215.5	222.1	219.2	236.1	616.3	8562.5	15440.0
75°	200.1	203.0	189.8	186.1	186.1	183.9	192.0	316.3	5557.3	12595.2
77.5°	181.7	187.5	166.2	154.5	151.5	144.9	156.7	193.4	2430.8	5913.3
80°	150.0	158.1	136.8	122.8	117.7	110.3	123.6	135.3	723.0	1373.1
82.5°	111.8	115.5	97.1	87.5	83.1	78.0	92.7	94.1	235.4	486.2
85°	71.3	72.8	59.6	51.5	49.3	47.1	58.8	51.5	89.7	357.4
87.5°	25.0	28.7	22.8	20.6	22.1	18.4	27.2	15.4	25.0	252.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2586.0  
2587.4  
2604.4  
2622.0  
2628.6  
2634.5  
2649.2  
2681.6  
2730.9  
2783.8  
2848.5  
2925.8  
2983.1  
3047.1  
3153.8  
3297.9  
3514.9  
3648.7  
3726.7  
3957.6  
4299.6  
4810.8  
5511.0  
6408.3  
7566.7  
8995.7  
10688.8  
12545.9  
14747.9  
15999.0  
13471.9  
5790.5  
1315.0  
549.4  
519.3  
312.6  
0.0

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