

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: P850204

Luminaire Tested: **GLAN-SB7C-835-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850204  
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-SB7C-835-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 43625 lumens  
Efficiency: N/A  
Efficacy: 124.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

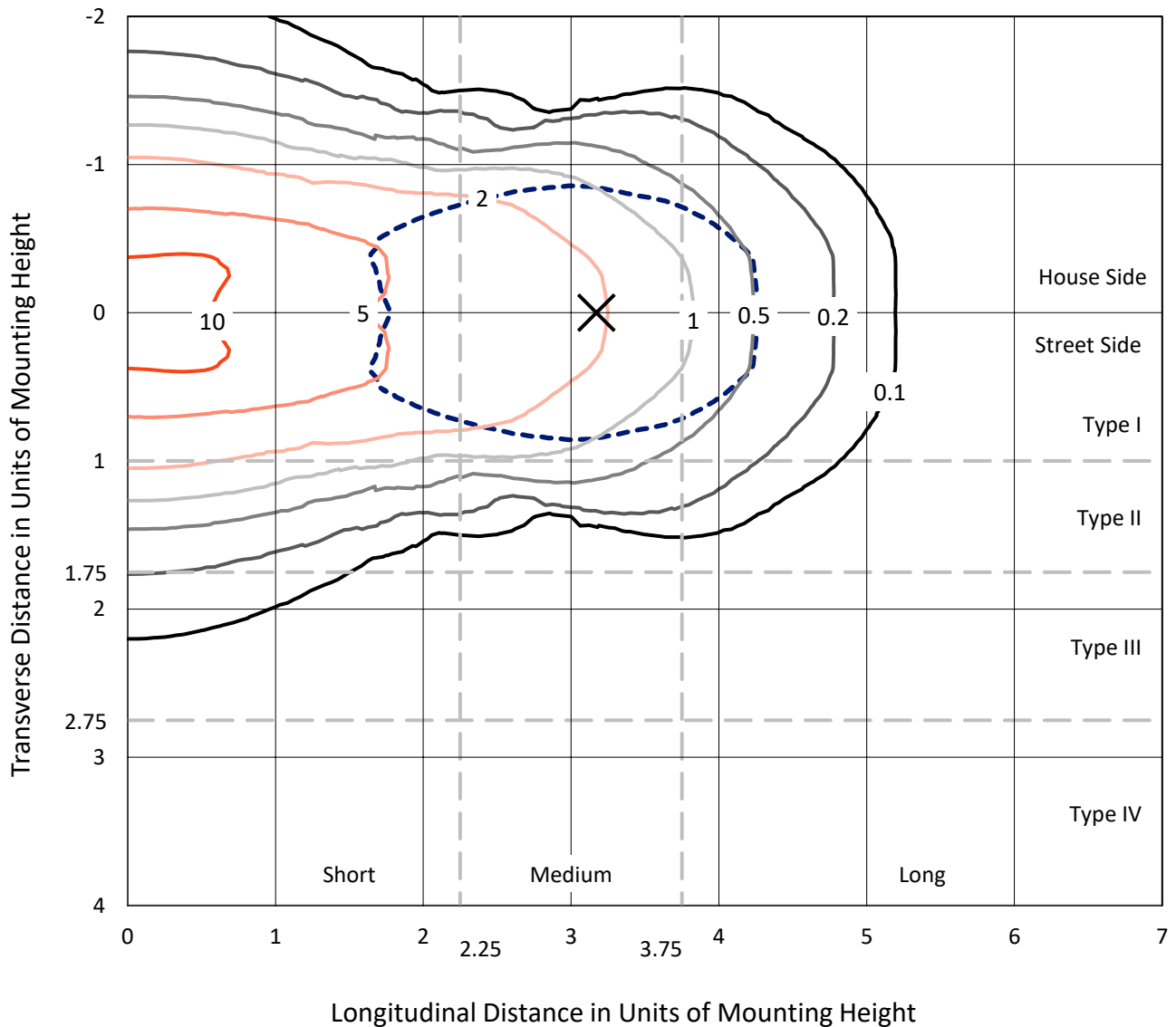
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

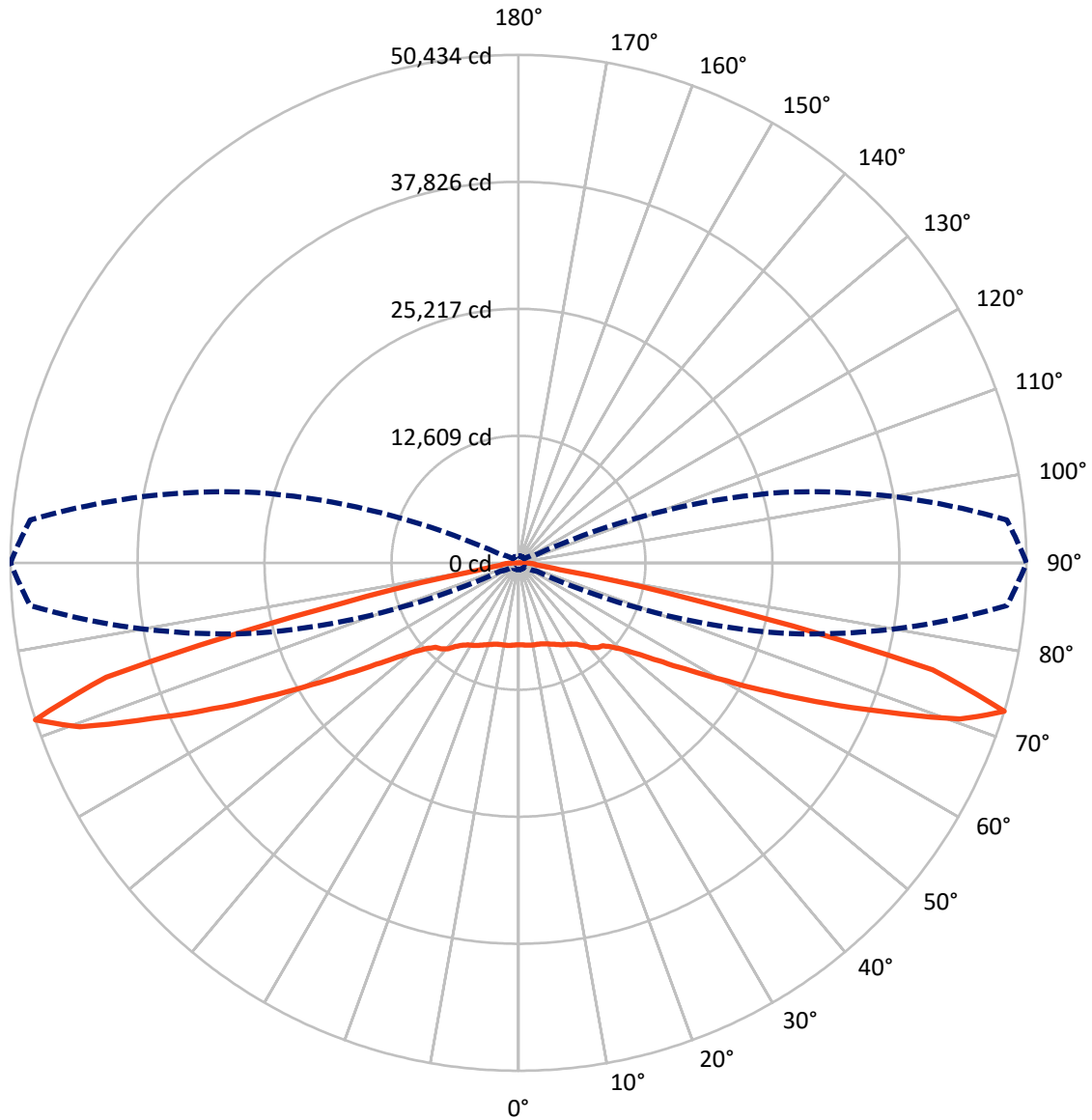
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 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	21812.5	0.0	21812.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21812.5	0.0	21812.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	43625.0	0.0	43625.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	790.4	1.8
10°-20°	2416.8	5.5
20°-30°	4029.8	9.2
30°-40°	5542.2	12.7
40°-50°	6768.5	15.5
50°-60°	7828.5	17.9
60°-70°	9334.2	21.4
70°-80°	6514.6	14.9
80°-90°	400.1	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°	43625.0	100.0
0°-180°	43625.0	100.0

**Coefficient of Utilization**

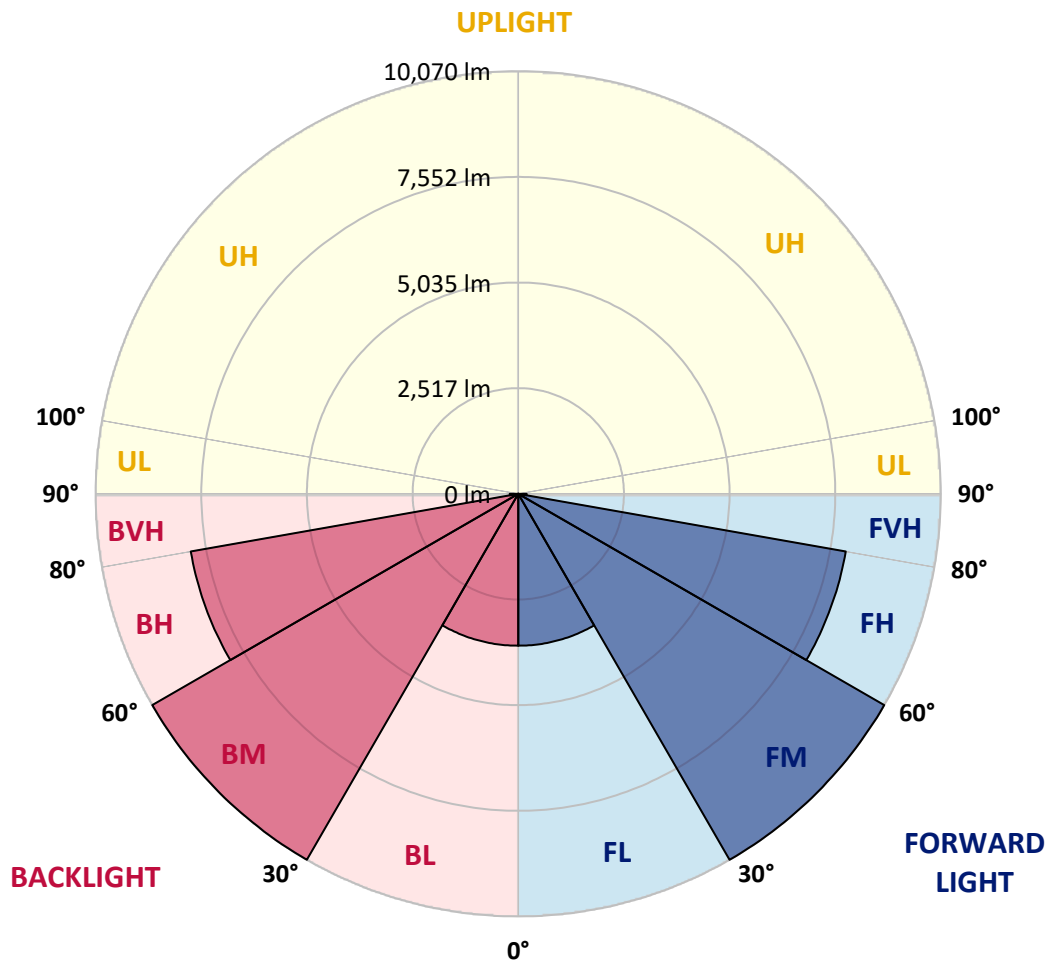


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3618.5	8.3			
FM (30°-60°)	10069.6	23.1			
FH (60°-80°)	7924.4	18.2			G4/12000
FVH (80°-90°)	200.1	0.5			G2/225
BL (0°-30°)	3618.5	8.3	B4/5000		
BM (30°-60°)	10069.6	23.1	B5		
BH (60°-80°)	7924.4	18.2	B5		G5
BVH (80°-90°)	200.1	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8151.8	8151.8	8151.8	8151.8	8151.8	8151.8	8151.8	8151.8	8151.8	8151.8
2.5°	8158.7	8168.0	8168.0	8161.1	8177.3	8163.4	8163.4	8156.4	8163.4	8156.4
5°	8200.5	8212.1	8216.7	8214.4	8235.3	8223.7	8223.7	8214.4	8216.7	8209.8
7.5°	8279.3	8295.5	8304.8	8316.4	8346.5	8332.6	8323.4	8295.5	8283.9	8265.4
10°	8304.8	8323.4	8353.5	8413.8	8483.3	8485.7	8457.8	8388.3	8335.0	8293.2
12.5°	8226.0	8251.5	8314.1	8437.0	8592.3	8654.9	8610.9	8494.9	8390.6	8316.4
15°	8126.3	8154.1	8249.2	8434.6	8664.2	8810.2	8805.6	8652.6	8485.7	8369.7
17.5°	7970.9	7998.8	8135.6	8395.2	8719.8	8960.9	9025.9	8868.2	8634.0	8478.7
20°	7690.4	7715.9	7906.0	8270.0	8738.4	9120.9	9290.2	9151.1	8858.9	8647.9
22.5°	7326.4	7365.8	7588.4	8054.4	8694.3	9287.8	9591.6	9496.5	9120.9	8828.8
25°	6936.9	6978.6	7238.3	7790.1	8580.7	9408.4	9948.6	9888.3	9417.7	9053.7
27.5°	6600.7	6644.8	6927.6	7528.1	8404.5	9454.8	10301.0	10331.2	9777.0	9301.8
30°	6336.4	6378.2	6679.6	7317.1	8177.3	9408.4	10609.4	10818.0	10143.4	9517.4
32.5°	6046.6	6099.9	6417.6	7059.8	7908.4	9297.1	10878.3	11344.3	10567.7	9749.2
35°	5680.3	5729.0	6062.8	6707.4	7555.9	9118.6	11103.2	11928.6	11175.1	10101.6
37.5°	5235.1	5281.5	5613.1	6266.9	7205.9	8868.2	11274.8	12587.1	11898.5	10609.4
40°	4787.7	4831.7	5142.4	5775.3	6786.2	8548.3	11335.1	13231.6	12728.5	11307.2
42.5°	4377.3	4416.7	4701.9	5290.8	6315.6	8140.2	11256.2	13792.7	13472.7	11794.1
45°	3999.4	4034.2	4286.9	4836.4	5826.4	7644.0	11019.8	14395.5	14358.4	12141.9
47.5°	3568.1	3602.9	3864.9	4395.8	5337.2	7062.1	10618.7	14989.0	15589.5	12930.2
50°	3041.9	3072.0	3340.9	3888.1	4829.4	6443.1	10062.2	15455.0	17142.9	14124.2
52.5°	2418.2	2450.6	2712.6	3259.8	4226.6	5777.7	9329.6	15758.7	18937.4	15867.7
55°	1799.1	1822.3	2049.5	2541.1	3480.0	5019.5	8411.5	15844.5	20973.0	18251.1
57.5°	1305.3	1319.2	1465.3	1831.6	2638.4	4071.3	7296.3	15621.9	23395.8	21306.9
60°	1057.2	1061.9	1105.9	1268.2	1833.9	3000.1	5949.2	14856.8	26025.0	25246.0
62.5°	959.9	959.9	971.4	1015.5	1240.4	1980.0	4319.3	13271.0	28844.3	30223.8
65°	892.6	892.6	897.3	918.1	978.4	1261.3	2726.5	10688.2	31220.7	36054.8
67.5°	832.3	834.7	832.3	839.3	874.1	932.0	1581.2	7382.1	32500.5	42096.7
70°	769.7	774.4	762.8	762.8	790.6	792.9	990.0	4048.1	31438.7	47160.3
72.5°	695.5	702.5	684.0	679.3	700.2	690.9	744.2	1942.9	26991.8	48671.9
75°	630.6	639.9	598.2	586.6	586.6	579.6	605.1	996.9	17518.5	39704.0
77.5°	572.7	591.2	524.0	486.9	477.6	456.7	493.8	609.8	7662.6	18640.6
80°	473.0	498.5	431.2	387.2	371.0	347.8	389.5	426.6	2279.1	4328.6
82.5°	352.4	364.0	306.0	275.9	262.0	245.8	292.1	296.8	741.9	1532.5
85°	224.9	229.5	187.8	162.3	155.3	148.4	185.5	162.3	282.9	1126.8
87.5°	78.8	90.4	71.9	64.9	69.6	58.0	85.8	48.7	78.8	795.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

8151.8  
8156.4  
8209.8  
8265.4  
8286.3  
8304.8  
8351.2  
8453.2  
8608.5  
8775.5  
8979.5  
9222.9  
9403.8  
9605.5  
9941.7  
10396.1  
11080.0  
11502.0  
11747.8  
12475.8  
13553.9  
15165.2  
17372.4  
20201.0  
23852.6  
28357.4  
33694.5  
39548.7  
46490.3  
50434.0  
42467.7  
18253.4  
4145.5  
1731.9  
1636.9  
985.4  
0.0

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