

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: P849544

Luminaire Tested: **GLAN-SB6C-850-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849544  
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-SB6C-850-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 38576 lumens  
Efficiency: N/A  
Efficacy: 128.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

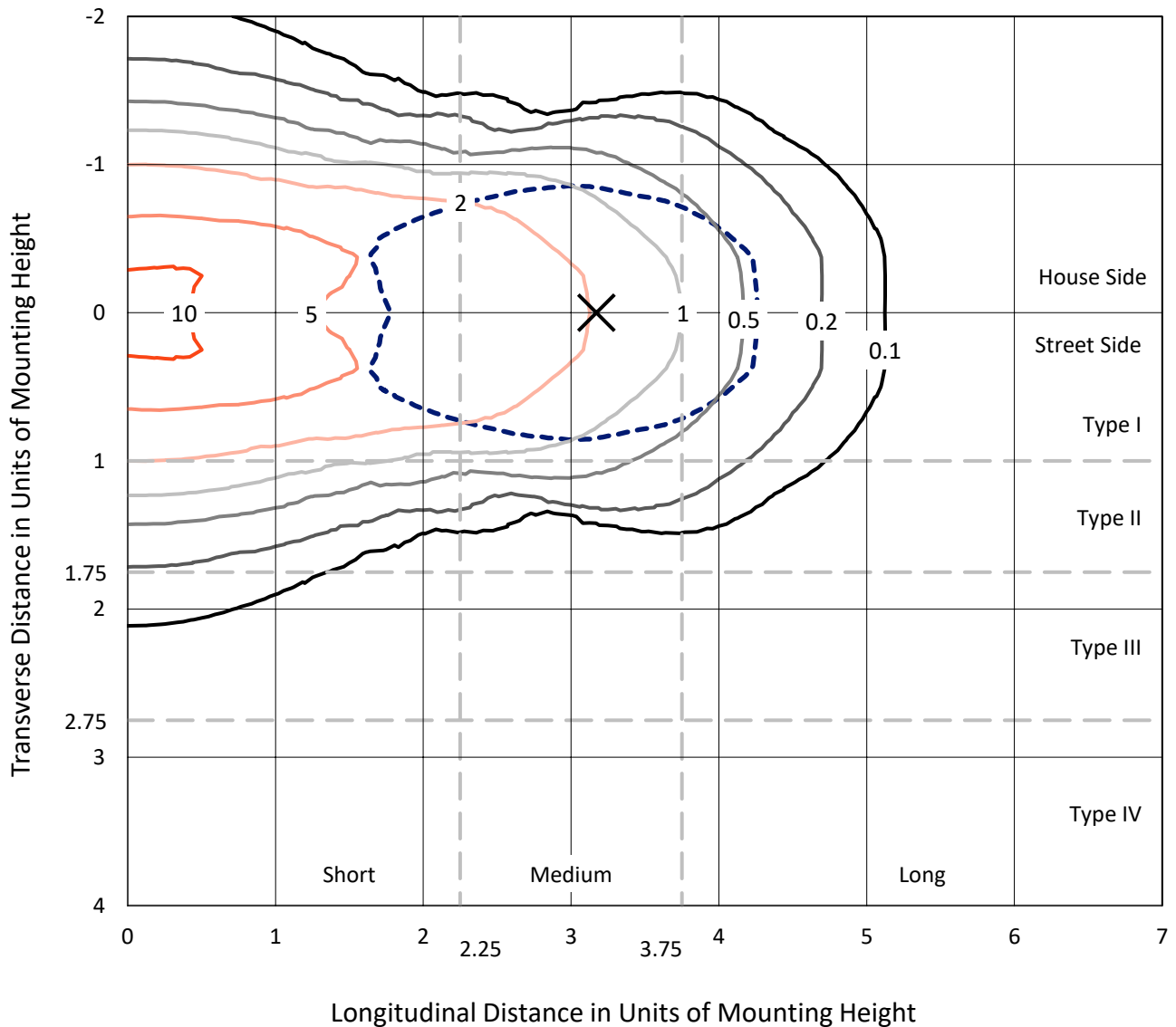
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

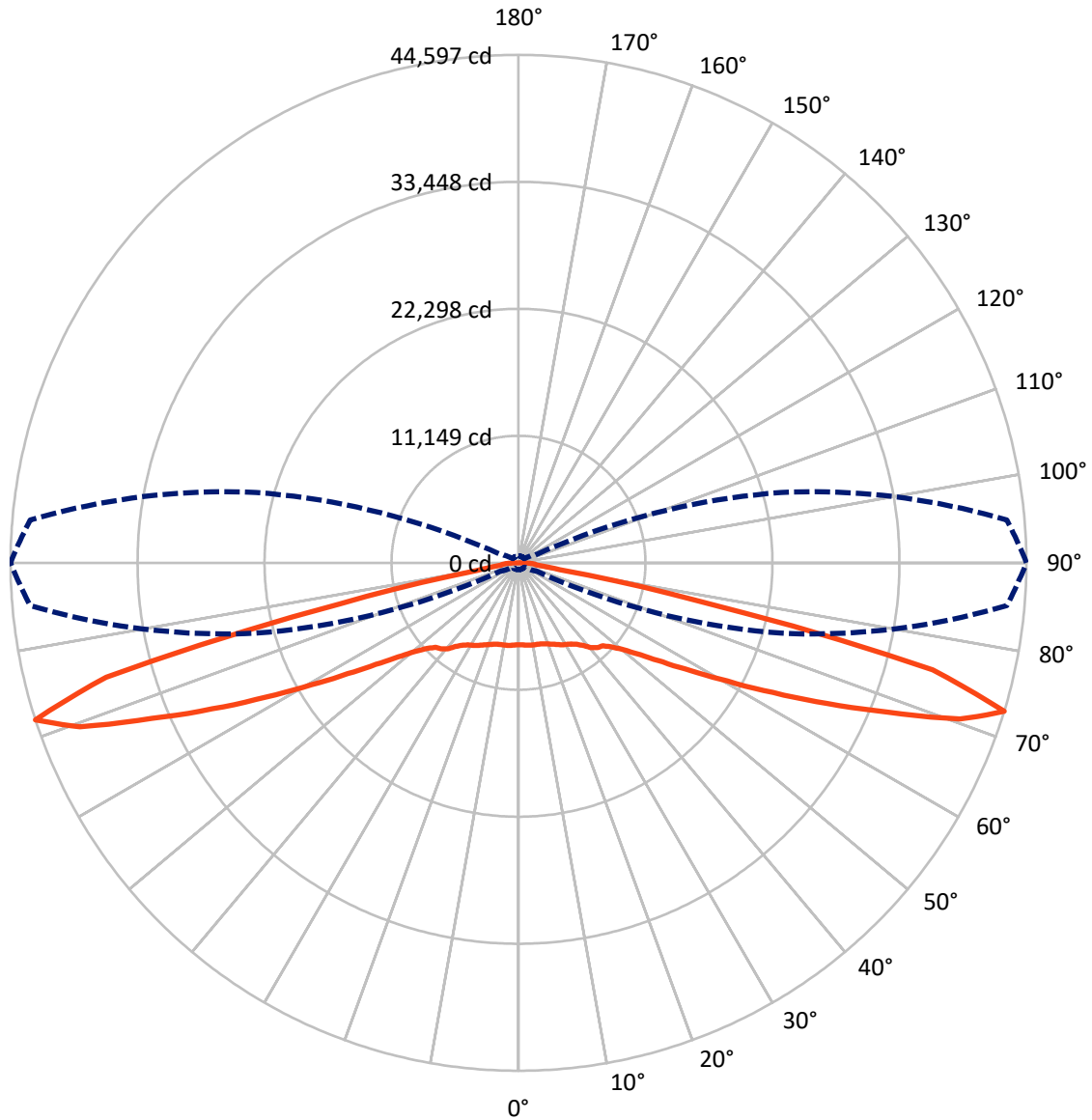
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 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	19288.0	0.0	19288.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19288.0	0.0	19288.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	38576.0	0.0	38576.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	698.9	1.8
10°-20°	2137.1	5.5
20°-30°	3563.4	9.2
30°-40°	4900.7	12.7
40°-50°	5985.1	15.5
50°-60°	6922.4	17.9
60°-70°	8253.9	21.4
70°-80°	5760.6	14.9
80°-90°	353.8	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°	38576.0	100.0
0°-180°	38576.0	100.0

**Coefficient of Utilization**



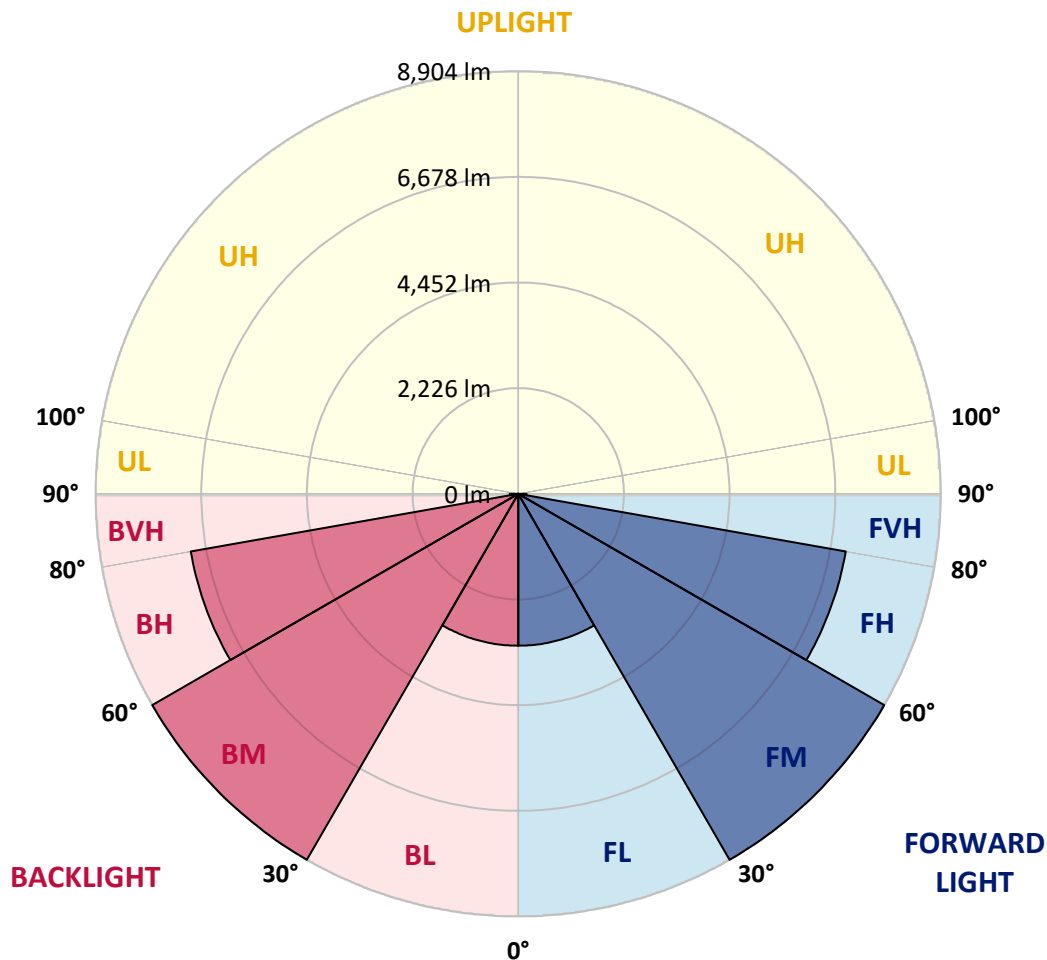
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3199.7	8.3			
FM (30°-60°)	8904.1	23.1			
FH (60°-80°)	7007.3	18.2			G3/7500
FVH (80°-90°)	176.9	0.5			G2/225
BL (0°-30°)	3199.7	8.3	B4/5000		
BM (30°-60°)	8904.1	23.1	B5		
BH (60°-80°)	7007.3	18.2	B5		G5
BVH (80°-90°)	176.9	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°	7208.3	7208.3	7208.3	7208.3	7208.3	7208.3	7208.3	7208.3	7208.3	7208.3
2.5°	7214.5	7222.7	7222.7	7216.5	7230.9	7218.6	7218.6	7212.4	7218.6	7212.4
5°	7251.4	7261.6	7265.7	7263.7	7282.1	7271.9	7271.9	7263.7	7265.7	7259.6
7.5°	7321.1	7335.4	7343.6	7353.9	7380.5	7368.2	7360.0	7335.4	7325.2	7308.8
10°	7343.6	7360.0	7386.7	7440.0	7501.5	7503.6	7479.0	7417.4	7370.3	7333.4
12.5°	7273.9	7296.5	7351.8	7460.5	7597.9	7653.2	7614.3	7511.8	7419.5	7353.9
15°	7185.8	7210.4	7294.4	7458.5	7661.4	7790.6	7786.5	7651.2	7503.6	7401.0
17.5°	7048.4	7073.0	7194.0	7423.6	7710.6	7923.8	7981.2	7841.8	7634.8	7497.4
20°	6800.4	6822.9	6991.0	7312.9	7727.0	8065.3	8215.0	8091.9	7833.6	7647.1
22.5°	6478.5	6513.3	6710.1	7122.2	7688.1	8212.9	8481.5	8397.4	8065.3	7807.0
25°	6134.1	6171.0	6400.6	6888.5	7587.6	8319.5	8797.2	8743.9	8327.7	8005.8
27.5°	5836.8	5875.7	6125.9	6656.8	7431.8	8360.5	9108.8	9135.5	8645.5	8225.2
30°	5603.1	5640.0	5906.5	6470.3	7230.9	8319.5	9381.5	9566.0	8969.4	8415.9
32.5°	5346.8	5393.9	5674.8	6242.7	6993.1	8221.1	9619.3	10031.4	9344.6	8620.9
35°	5022.9	5065.9	5361.1	5931.1	6681.4	8063.2	9818.2	10548.0	9881.7	8932.5
37.5°	4629.2	4670.2	4963.4	5541.6	6371.9	7841.8	9969.9	11130.3	10521.4	9381.5
40°	4233.6	4272.5	4547.2	5106.9	6000.8	7558.9	10023.2	11700.2	11255.3	9998.6
42.5°	3870.7	3905.5	4157.7	4678.4	5584.6	7198.1	9953.5	12196.4	11913.4	10429.1
45°	3536.5	3567.3	3790.7	4276.6	5152.0	6759.3	9744.4	12729.4	12696.6	10736.6
47.5°	3155.2	3185.9	3417.6	3887.1	4719.4	6244.8	9389.7	13254.2	13785.2	11433.7
50°	2689.8	2716.5	2954.3	3438.1	4270.5	5697.4	8897.7	13666.3	15158.8	12489.5
52.5°	2138.3	2167.0	2398.7	2882.5	3737.4	5109.0	8249.8	13934.9	16745.6	14031.2
55°	1590.9	1611.4	1812.3	2247.0	3077.3	4438.6	7437.9	14010.7	18545.7	16138.8
57.5°	1154.2	1166.5	1295.7	1619.6	2333.1	3600.1	6451.8	13813.9	20688.1	18840.9
60°	934.9	939.0	977.9	1121.4	1621.7	2652.9	5260.7	13137.4	23013.0	22324.1
62.5°	848.8	848.8	859.0	898.0	1096.8	1750.8	3819.4	11735.1	25505.9	26725.8
65°	789.3	789.3	793.4	811.9	865.2	1115.3	2411.0	9451.2	27607.3	31881.9
67.5°	736.0	738.1	736.0	742.2	772.9	824.2	1398.2	6527.7	28739.0	37224.6
70°	680.7	684.8	674.5	674.5	699.1	701.2	875.4	3579.6	27800.1	41702.1
72.5°	615.0	621.2	604.8	600.7	619.1	610.9	658.1	1718.0	23867.9	43038.8
75°	557.6	565.8	528.9	518.7	518.7	512.5	535.1	881.6	15490.9	35108.8
77.5°	506.4	522.8	463.3	430.5	422.3	403.9	436.7	539.2	6775.8	16483.2
80°	418.2	440.8	381.3	342.4	328.0	307.5	344.4	377.2	2015.3	3827.6
82.5°	311.6	321.9	270.6	244.0	231.7	217.3	258.3	262.4	656.0	1355.2
85°	198.9	203.0	166.1	143.5	137.4	131.2	164.0	143.5	250.1	996.4
87.5°	69.7	80.0	63.6	57.4	61.5	51.3	75.9	43.1	69.7	703.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7208.3  
7212.4  
7259.6  
7308.8  
7327.2  
7343.6  
7384.6  
7474.9  
7612.2  
7759.8  
7940.2  
8155.5  
8315.4  
8493.8  
8791.0  
9192.9  
9797.7  
10170.8  
10388.1  
11031.9  
11985.2  
13410.0  
15361.8  
17863.0  
21092.0  
25075.4  
29794.9  
34971.5  
41109.6  
44596.9  
37552.6  
16140.8  
3665.7  
1531.5  
1447.4  
871.3  
0.0

OF REPORT)