

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: P850924

Luminaire Tested: **GLAN-SB8C-930-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850924  
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-SB8C-930-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40417 lumens  
Efficiency: N/A  
Efficacy: 101.1 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

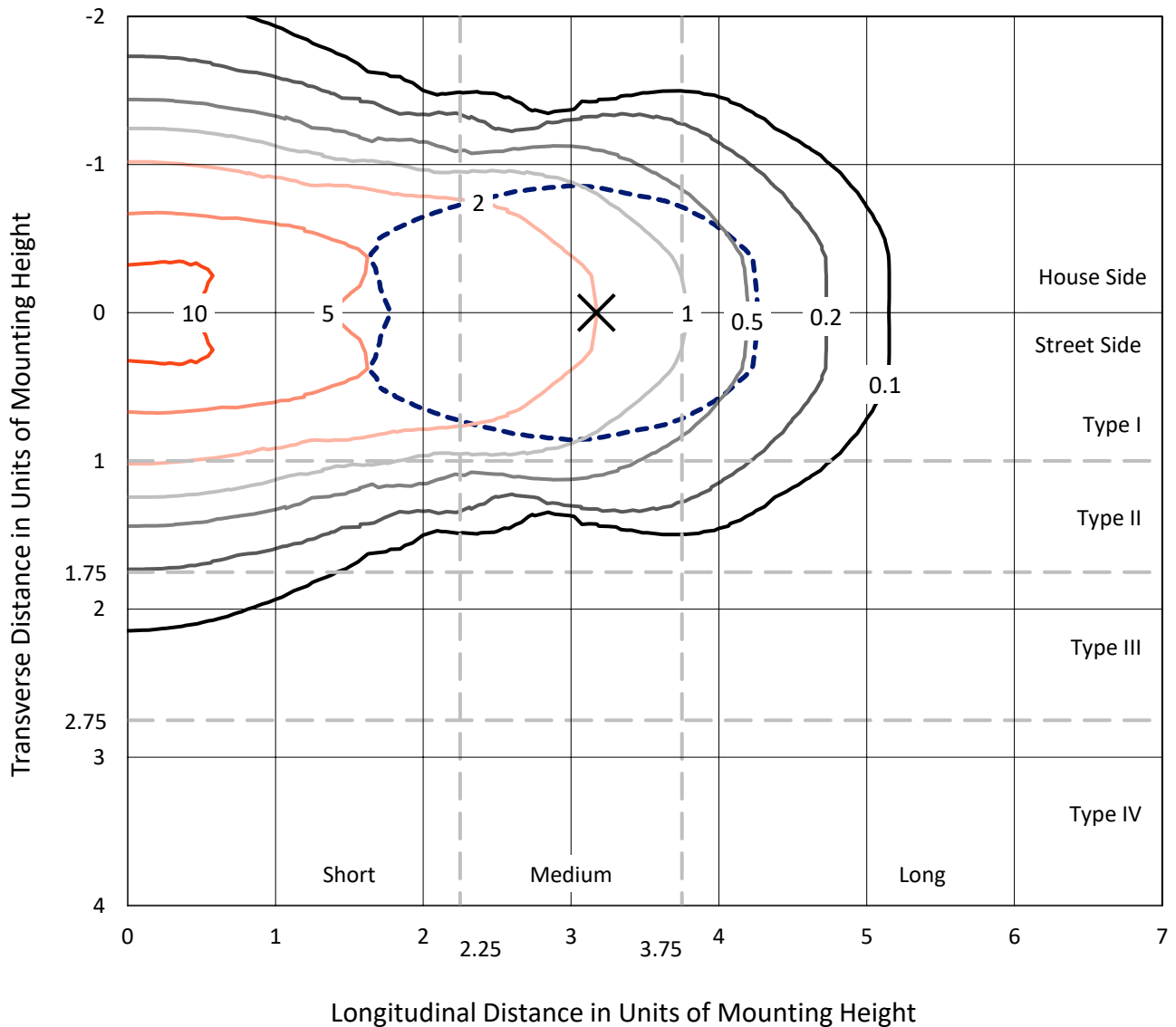
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

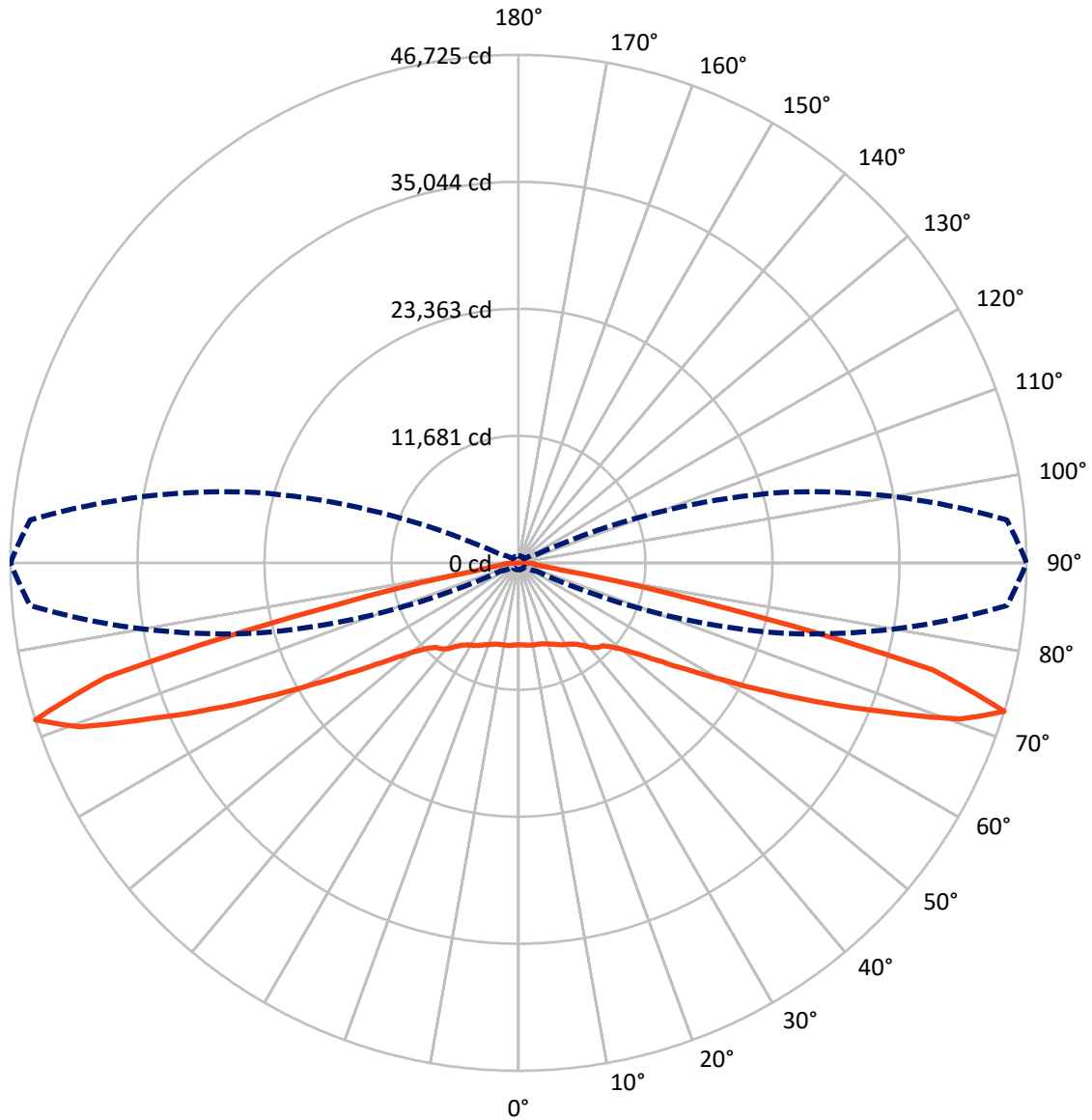
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 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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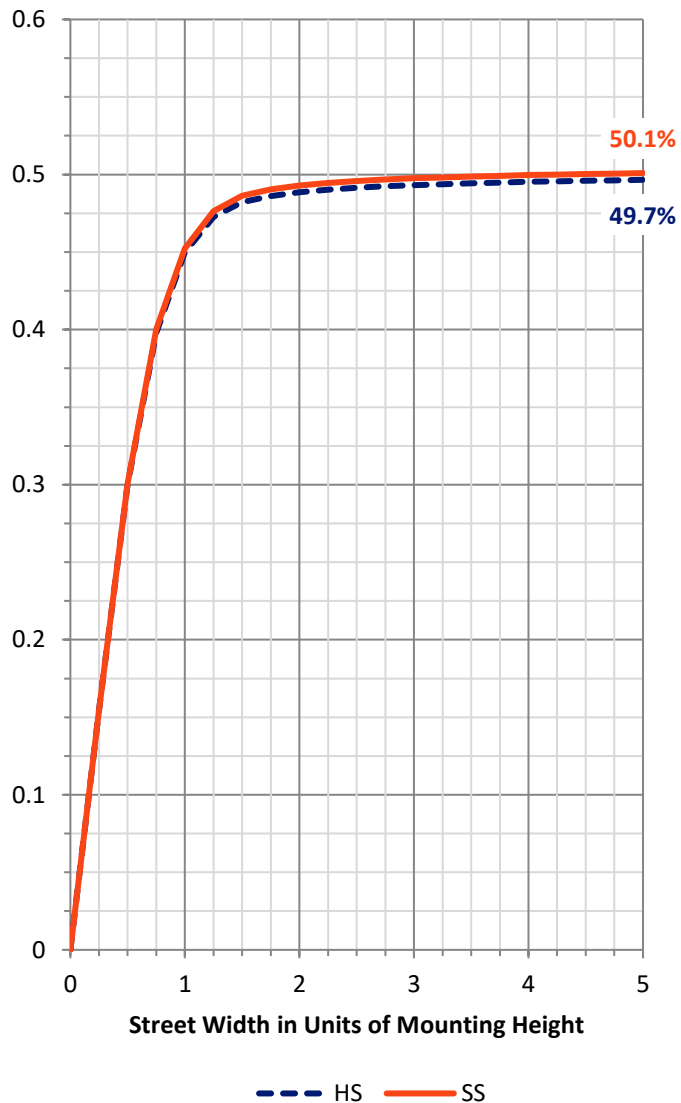
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20208.5	0.0	20208.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20208.5	0.0	20208.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	40417.0	0.0	40417.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	732.3	1.8
10°-20°	2239.1	5.5
20°-30°	3733.4	9.2
30°-40°	5134.6	12.7
40°-50°	6270.8	15.5
50°-60°	7252.8	17.9
60°-70°	8647.8	21.4
70°-80°	6035.6	14.9
80°-90°	370.7	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°	40417.0	100.0
0°-180°	40417.0	100.0

**Coefficient of Utilization**

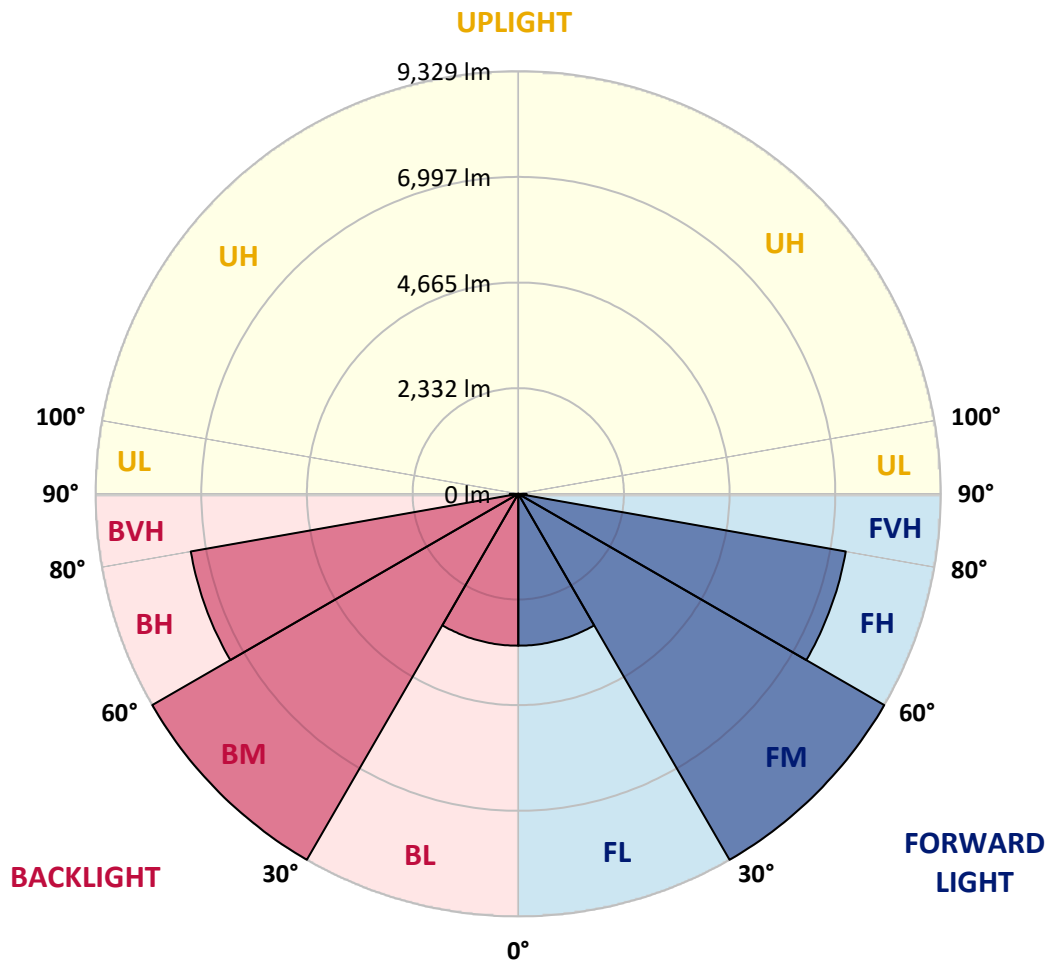


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3352.4	8.3			
FM (30°-60°)	9329.1	23.1			
FH (60°-80°)	7341.7	18.2			G3/7500
FVH (80°-90°)	185.4	0.5			G2/225
BL (0°-30°)	3352.4	8.3	B4/5000		
BM (30°-60°)	9329.1	23.1	B5		
BH (60°-80°)	7341.7	18.2	B5		G5
BVH (80°-90°)	185.4	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°	7552.3	7552.3	7552.3	7552.3	7552.3	7552.3	7552.3	7552.3	7552.3	7552.3
2.5°	7558.8	7567.4	7567.4	7560.9	7576.0	7563.1	7563.1	7556.6	7563.1	7556.6
5°	7597.5	7608.2	7612.5	7610.3	7629.7	7618.9	7618.9	7610.3	7612.5	7606.0
7.5°	7670.5	7685.5	7694.1	7704.9	7732.8	7719.9	7711.3	7685.5	7674.8	7657.6
10°	7694.1	7711.3	7739.2	7795.1	7859.5	7861.7	7835.9	7771.4	7722.0	7683.4
12.5°	7621.1	7644.7	7702.7	7816.5	7960.5	8018.5	7977.6	7870.2	7773.6	7704.9
15°	7528.7	7554.5	7642.6	7814.4	8027.0	8162.4	8158.1	8016.3	7861.7	7754.3
17.5°	7384.8	7410.6	7537.3	7777.9	8078.6	8302.0	8362.1	8216.1	7999.1	7855.2
20°	7124.9	7148.5	7324.7	7661.9	8095.8	8450.2	8607.0	8478.1	8207.5	8012.0
22.5°	6787.7	6824.2	7030.4	7462.1	8055.0	8604.9	8886.2	8798.2	8450.2	8179.6
25°	6426.8	6465.5	6706.0	7217.3	7949.7	8716.6	9217.0	9161.2	8725.1	8387.9
27.5°	6115.3	6156.1	6418.2	6974.5	7786.5	8759.5	9543.5	9571.5	9058.1	8617.7
30°	5870.5	5909.1	6188.4	6779.1	7576.0	8716.6	9829.2	10022.5	9397.5	8817.5
32.5°	5602.0	5651.4	5945.6	6540.6	7326.8	8613.5	10078.4	10510.1	9790.6	9032.3
35°	5262.6	5307.7	5617.0	6214.1	7000.3	8448.1	10286.7	11051.4	10353.3	9358.8
37.5°	4850.2	4893.1	5200.3	5806.0	6676.0	8216.1	10445.7	11661.5	11023.5	9829.2
40°	4435.6	4476.4	4764.2	5350.7	6287.2	7919.6	10501.5	12258.6	11792.5	10475.8
42.5°	4055.4	4091.9	4356.1	4901.7	5851.1	7541.6	10428.5	12778.4	12482.0	10926.8
45°	3705.3	3737.5	3971.6	4480.7	5397.9	7081.9	10209.4	13336.9	13302.5	11249.0
47.5°	3305.8	3338.0	3580.7	4072.6	4944.7	6542.8	9837.8	13886.8	14443.1	11979.4
50°	2818.2	2846.1	3095.3	3602.2	4474.3	5969.3	9322.3	14318.5	15882.3	13085.6
52.5°	2240.4	2270.4	2513.2	3020.1	3915.8	5352.8	8643.5	14599.9	17544.8	14700.9
55°	1666.8	1688.3	1898.8	2354.2	3224.1	4650.4	7792.9	14679.4	19430.7	16909.0
57.5°	1209.3	1222.2	1357.5	1696.9	2444.4	3771.9	6759.7	14473.2	21675.4	19740.1
60°	979.5	983.8	1024.6	1175.0	1699.1	2779.5	5511.7	13764.3	24111.2	23389.5
62.5°	889.3	889.3	900.0	940.8	1149.2	1834.4	4001.7	12295.1	26723.2	28001.2
65°	827.0	827.0	831.3	850.6	906.5	1168.5	2526.0	9902.2	28924.9	33403.4
67.5°	771.1	773.3	771.1	777.6	809.8	863.5	1464.9	6839.2	30110.6	39001.1
70°	713.1	717.4	706.7	706.7	732.5	734.6	917.2	3750.4	29126.8	43692.3
72.5°	644.4	650.8	633.7	629.4	648.7	640.1	689.5	1800.0	25006.9	45092.8
75°	584.3	592.8	554.2	543.4	543.4	537.0	560.6	923.6	16230.2	36784.4
77.5°	530.6	547.7	485.4	451.1	442.5	423.2	457.5	564.9	7099.1	17269.9
80°	438.2	461.8	399.5	358.7	343.7	322.2	360.9	395.2	2111.5	4010.3
82.5°	326.5	337.2	283.5	255.6	242.7	227.7	270.6	274.9	687.4	1419.8
85°	208.4	212.7	174.0	150.4	143.9	137.5	171.8	150.4	262.1	1043.9
87.5°	73.0	83.8	66.6	60.1	64.4	53.7	79.5	45.1	73.0	736.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7552.3  
7556.6  
7606.0  
7657.6  
7676.9  
7694.1  
7737.1  
7831.6  
7975.5  
8130.2  
8319.2  
8544.7  
8712.3  
8899.1  
9210.6  
9631.6  
10265.3  
10656.2  
10883.9  
11558.3  
12557.2  
14050.0  
16094.9  
18715.5  
22098.6  
26272.1  
31216.8  
36640.5  
43071.6  
46725.3  
39344.8  
16911.1  
3840.6  
1604.6  
1516.5  
912.9  
0.0

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