

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: P851774

Luminaire Tested: **GLAN-SB9D-930-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851774  
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-SB9D-930-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 61860 lumens  
Efficiency: N/A  
Efficacy: 94.0 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

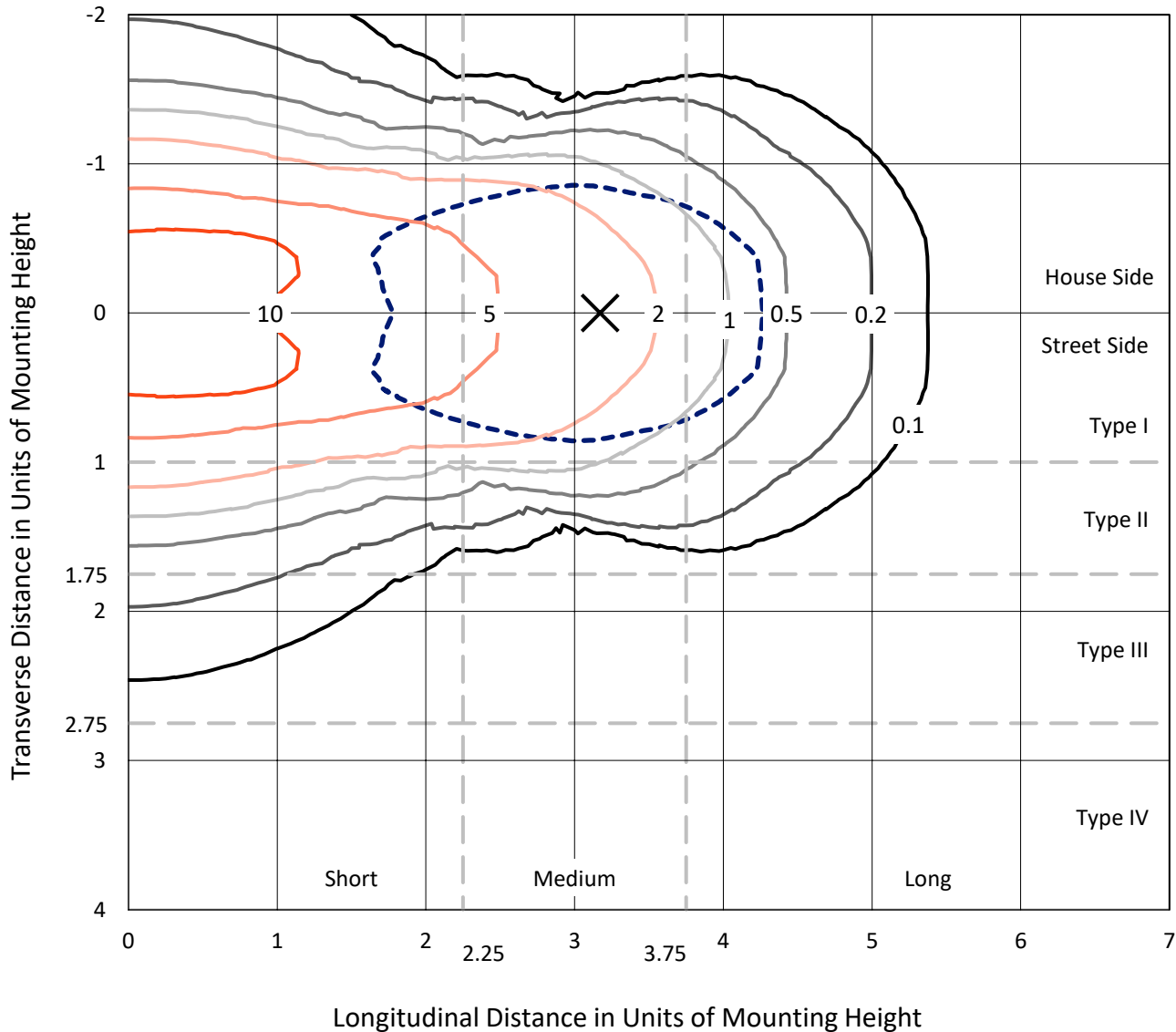
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

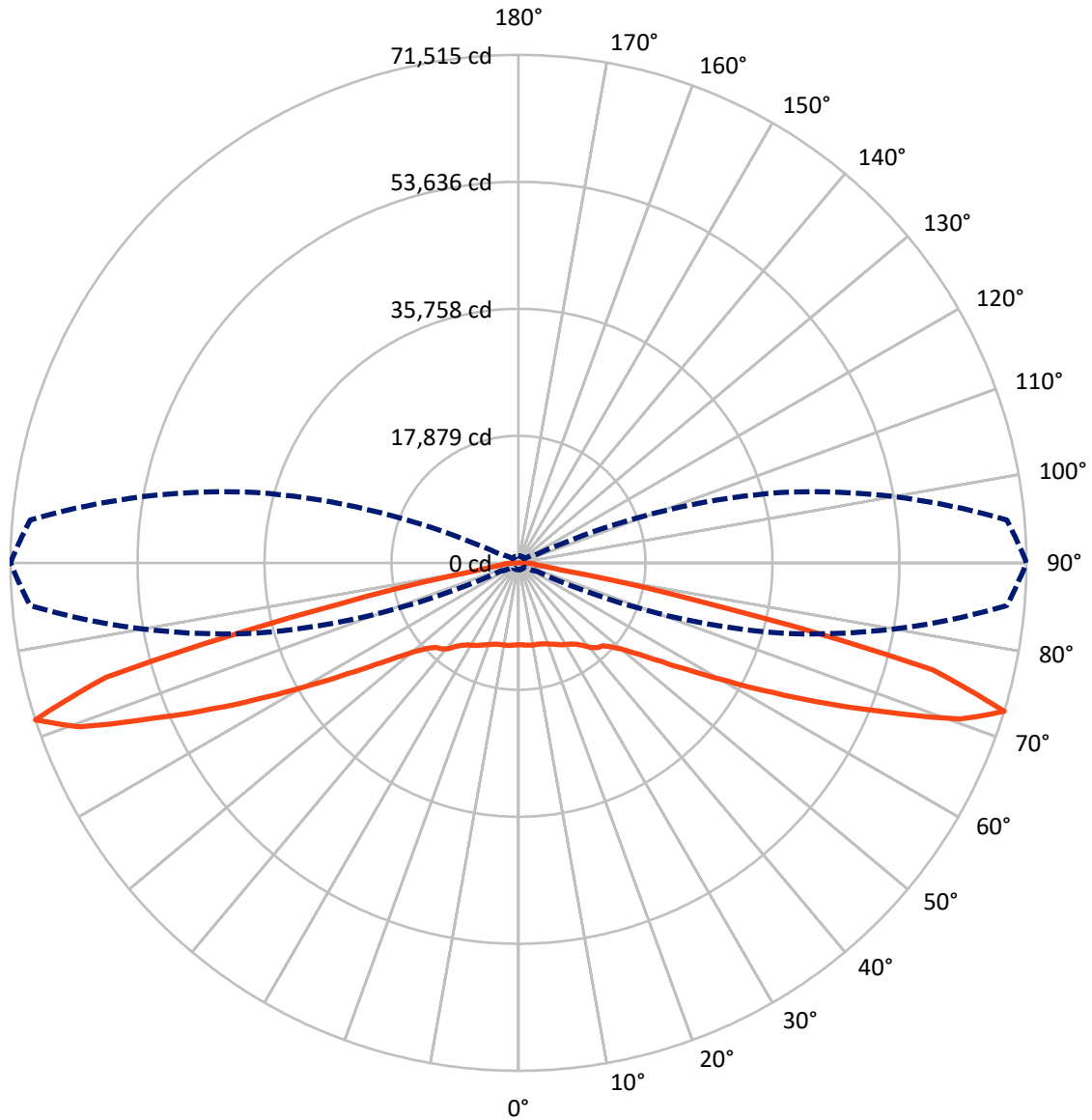
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.5 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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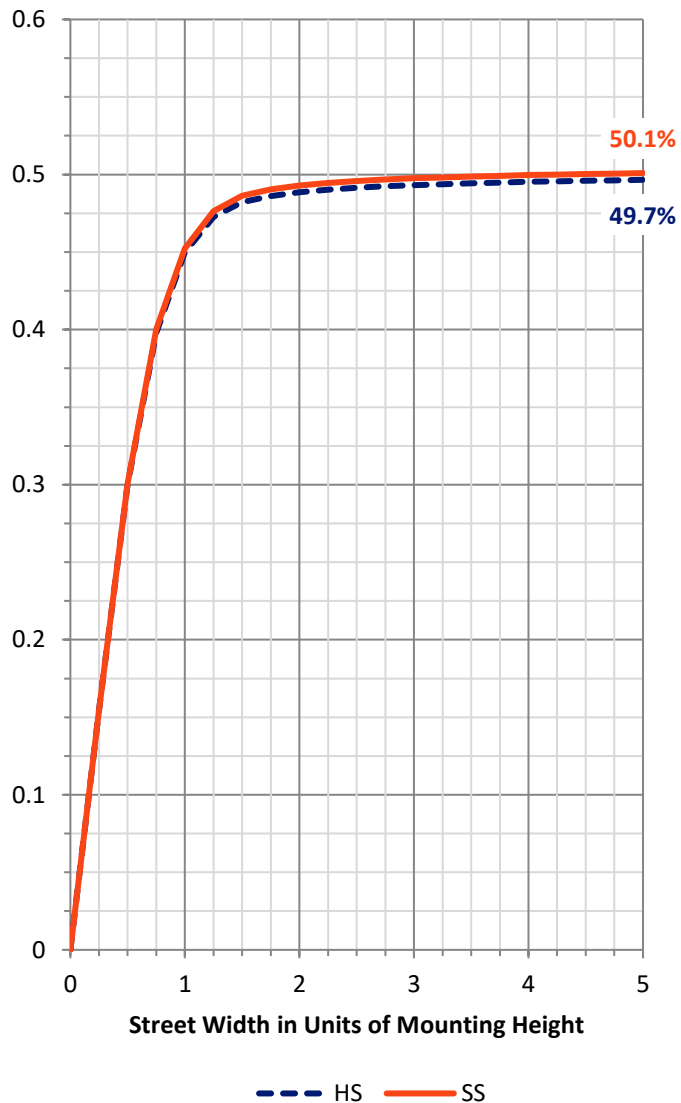
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	30930.0	0.0	30930.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	30930.0	0.0	30930.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	61860.0	0.0	61860.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1120.8	1.8
10°-20°	3427.0	5.5
20°-30°	5714.2	9.2
30°-40°	7858.8	12.7
40°-50°	9597.7	15.5
50°-60°	11100.7	17.9
60°-70°	13235.8	21.4
70°-80°	9237.7	14.9
80°-90°	567.4	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°	61860.0	100.0
0°-180°	61860.0	100.0

**Coefficient of Utilization**

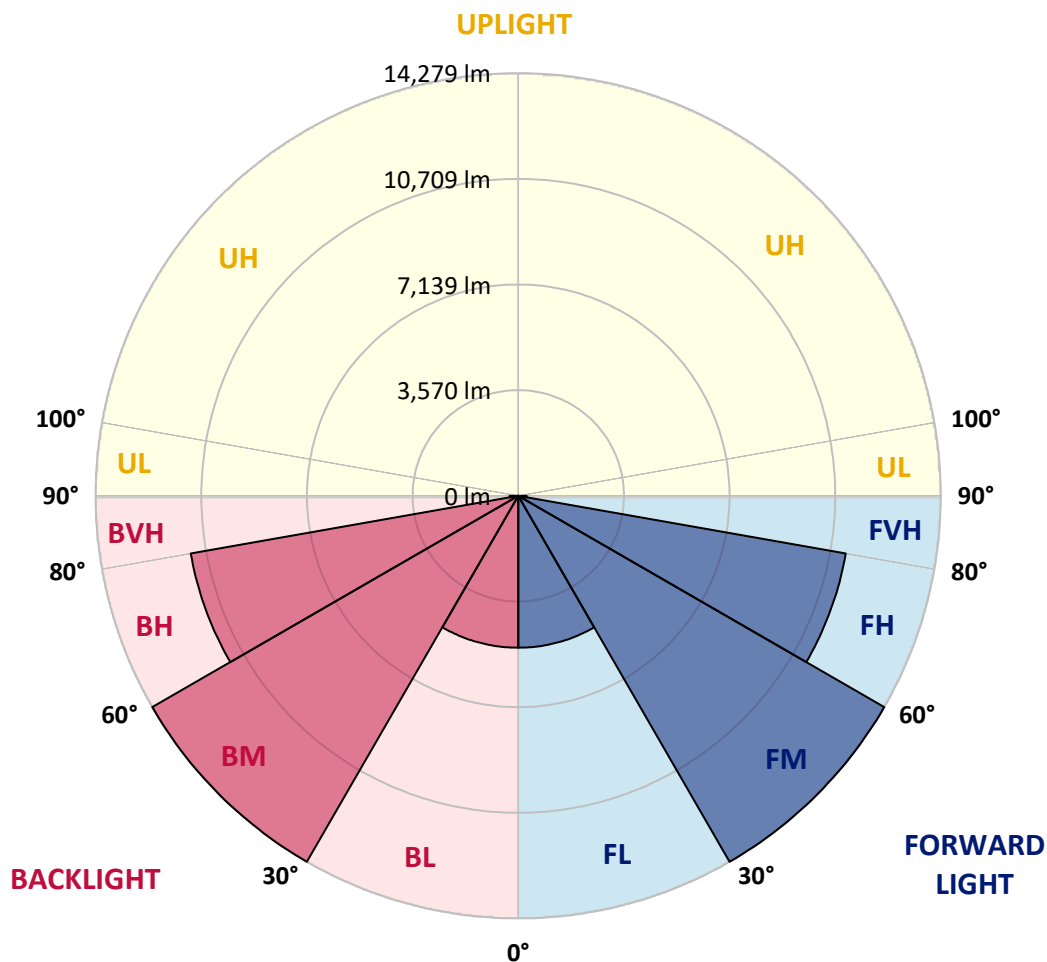


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5131.0	8.3			
FM (30°-60°)	14278.6	23.1			
FH (60°-80°)	11236.8	18.2			G4/12000
FVH (80°-90°)	283.7	0.5			G3/500
BL (0°-30°)	5131.0	8.3	B5		
BM (30°-60°)	14278.6	23.1	B5		
BH (60°-80°)	11236.8	18.2	B5		G5
BVH (80°-90°)	283.7	0.5			G3/500
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°	11559.2	11559.2	11559.2	11559.2	11559.2	11559.2	11559.2	11559.2	11559.2	11559.2
2.5°	11569.1	11582.2	11582.2	11572.3	11595.4	11575.6	11575.6	11565.8	11575.6	11565.8
5°	11628.2	11644.7	11651.2	11648.0	11677.5	11661.1	11661.1	11648.0	11651.2	11641.4
7.5°	11740.0	11763.0	11776.2	11792.6	11835.4	11815.6	11802.5	11763.0	11746.6	11720.3
10°	11776.2	11802.5	11845.2	11930.7	12029.3	12032.6	11993.2	11894.5	11818.9	11759.7
12.5°	11664.4	11700.6	11789.3	11963.6	12183.8	12272.6	12210.1	12045.8	11897.8	11792.6
15°	11523.0	11562.5	11697.3	11960.3	12285.8	12492.9	12486.3	12269.3	12032.6	11868.2
17.5°	11302.8	11342.2	11536.2	11904.4	12364.7	12706.6	12798.6	12575.1	12243.0	12022.7
20°	10905.0	10941.1	11210.7	11726.9	12391.0	12933.4	13173.4	12976.1	12561.9	12262.7
22.5°	10388.8	10444.7	10760.3	11421.1	12328.5	13170.1	13600.8	13466.0	12933.4	12519.2
25°	9836.5	9895.7	10263.9	11046.3	12167.4	13341.1	14107.1	14021.6	13354.2	12838.1
27.5°	9359.8	9422.3	9823.3	10674.8	11917.5	13406.8	14606.8	14649.5	13863.8	13189.8
30°	8985.0	9044.2	9471.6	10375.7	11595.4	13341.1	15044.0	15339.9	14383.2	13495.6
32.5°	8574.1	8649.7	9100.1	10010.7	11214.0	13183.3	15425.4	16086.2	14984.9	13824.3
35°	8054.6	8123.7	8597.1	9511.0	10714.3	12930.1	15744.3	16914.7	15846.2	14324.1
37.5°	7423.4	7489.1	7959.3	8886.4	10217.9	12575.1	15987.6	17848.4	16872.0	15044.0
40°	6788.9	6851.4	7291.9	8189.4	9622.8	12121.4	16073.1	18762.3	18048.9	16033.6
42.5°	6207.0	6262.9	6667.2	7502.3	8955.4	11542.8	15961.3	19557.9	19104.2	16724.0
45°	5671.1	5720.4	6078.8	6857.9	8261.7	10839.2	15626.0	20412.7	20360.1	17217.1
47.5°	5059.6	5108.9	5480.4	6233.3	7568.1	10014.0	15057.2	21254.3	22105.8	18334.9
50°	4313.3	4356.1	4737.4	5513.3	6848.1	9136.2	14268.2	21915.1	24308.5	20028.0
52.5°	3429.0	3475.0	3846.5	4622.4	5993.3	8192.7	13229.3	22345.8	26853.1	22500.3
55°	2551.2	2584.1	2906.2	3603.2	4934.7	7117.6	11927.4	22467.4	29739.6	25880.0
57.5°	1850.9	1870.6	2077.8	2597.2	3741.3	5773.0	10346.1	22151.8	33175.1	30213.0
60°	1499.1	1505.7	1568.2	1798.3	2600.5	4254.2	8436.0	21066.9	36903.3	35798.7
62.5°	1361.1	1361.1	1377.5	1440.0	1758.9	2807.6	6124.8	18818.2	40901.0	42857.1
65°	1265.7	1265.7	1272.3	1301.9	1387.4	1788.5	3866.2	15155.8	44270.8	51125.4
67.5°	1180.2	1183.5	1180.2	1190.1	1239.4	1321.6	2242.1	10467.7	46085.5	59692.9
70°	1091.5	1098.1	1081.6	1081.6	1121.1	1124.4	1403.8	5740.1	44579.8	66873.0
72.5°	986.3	996.1	969.8	963.3	992.9	979.7	1055.3	2755.0	38274.2	69016.5
75°	894.2	907.4	848.2	831.8	831.8	821.9	858.1	1413.7	24841.1	56300.1
77.5°	812.0	838.3	743.0	690.4	677.2	647.7	700.3	864.6	10865.5	26432.3
80°	670.7	706.8	611.5	549.0	526.0	493.1	552.3	604.9	3231.7	6137.9
82.5°	499.7	516.2	434.0	391.2	371.5	348.5	414.2	420.8	1052.0	2173.1
85°	318.9	325.5	266.3	230.1	220.3	210.4	263.0	230.1	401.1	1597.8
87.5°	111.8	128.2	101.9	92.1	98.6	82.2	121.6	69.0	111.8	1127.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

11559.2  
11565.8  
11641.4  
11720.3  
11749.9  
11776.2  
11841.9  
11986.6  
12206.9  
12443.6  
12732.9  
13078.1  
13334.5  
13620.5  
14097.2  
14741.6  
15711.4  
16309.8  
16658.3  
17690.6  
19219.3  
21504.2  
24634.0  
28644.8  
33822.8  
40210.6  
47778.7  
56079.8  
65922.9  
71515.1  
60218.9  
25883.3  
5878.2  
2455.8  
2321.0  
1397.2  
0.0

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