

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: P851584

Luminaire Tested: **GLAN-SB9C-850-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851584  
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-SB9C-850-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 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: 57942 lumens  
Efficiency: N/A  
Efficacy: 128.8 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

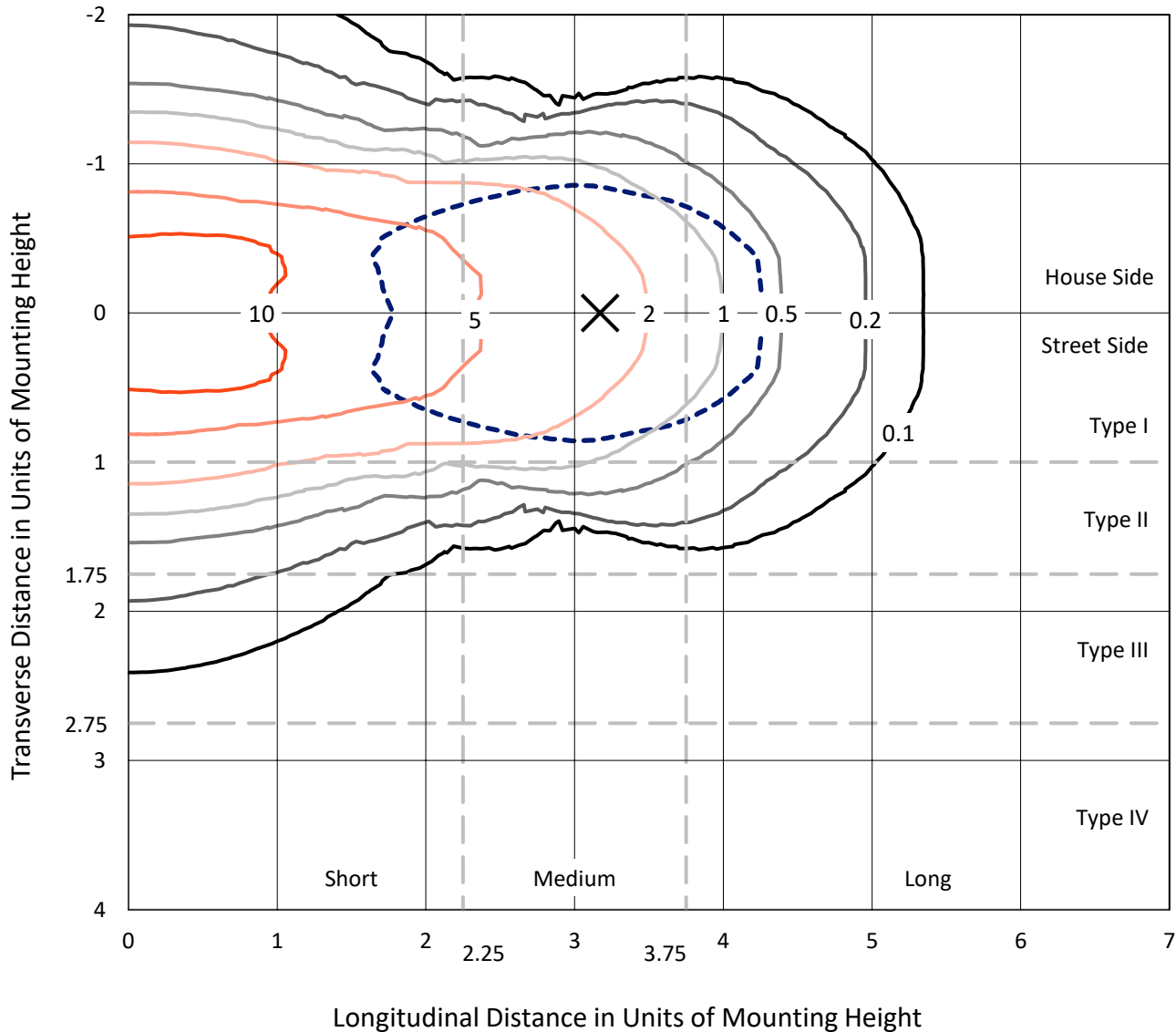
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

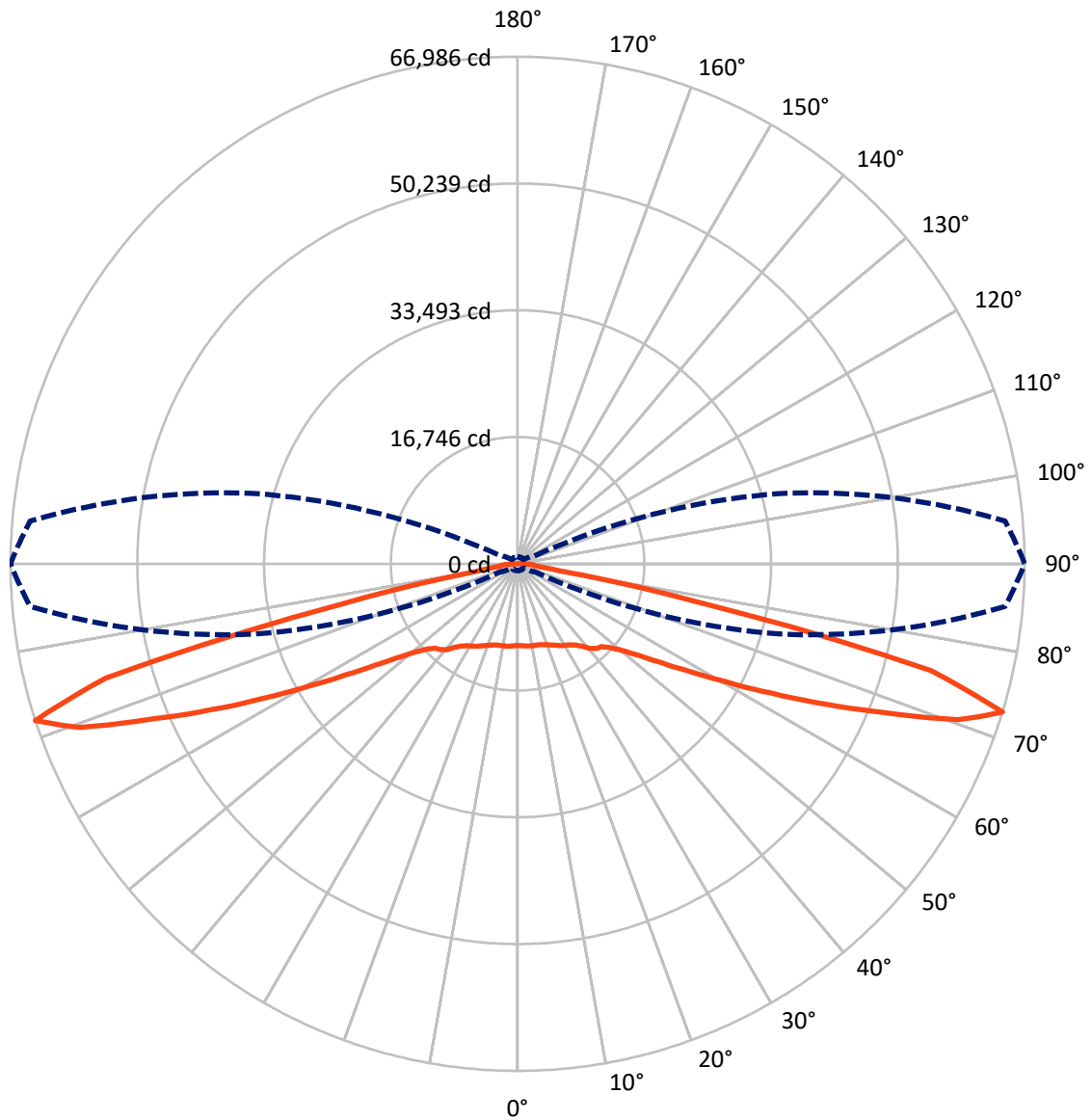
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.3 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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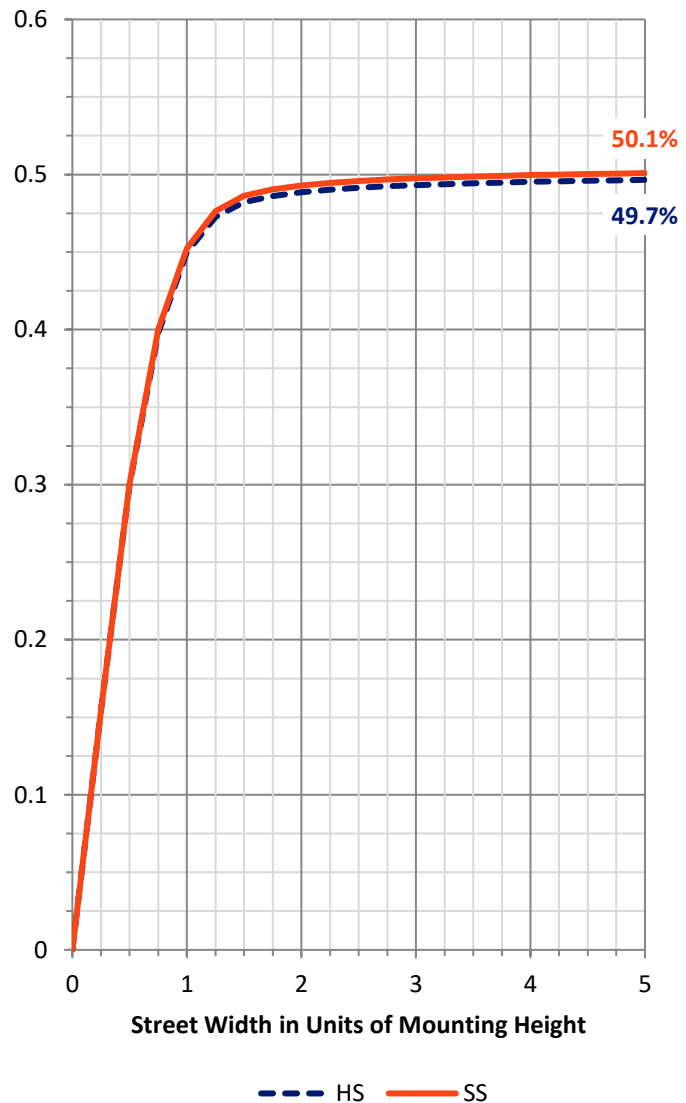
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	28971.0	0.0	28971.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	28971.0	0.0	28971.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	57942.0	0.0	57942.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1049.8	1.8
10°-20°	3209.9	5.5
20°-30°	5352.3	9.2
30°-40°	7361.0	12.7
40°-50°	8989.8	15.5
50°-60°	10397.6	17.9
60°-70°	12397.5	21.4
70°-80°	8652.6	14.9
80°-90°	531.5	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°	57942.0	100.0
0°-180°	57942.0	100.0

**Coefficient of Utilization**

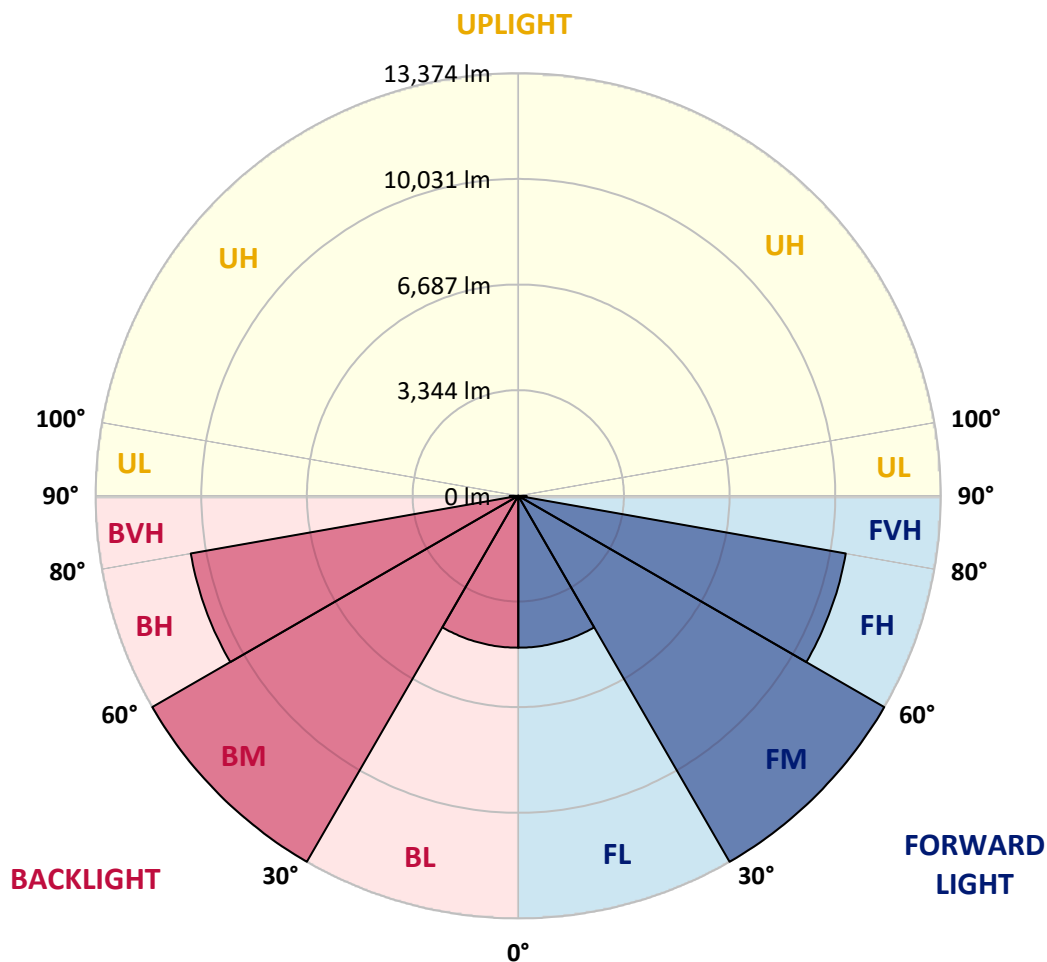


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4806.0	8.3			
FM (30°-60°)	13374.2	23.1			
FH (60°-80°)	10525.1	18.2			G4/12000
FVH (80°-90°)	265.7	0.5			G3/500
BL (0°-30°)	4806.0	8.3	B4/5000		
BM (30°-60°)	13374.2	23.1	B5		
BH (60°-80°)	10525.1	18.2	B5		G5
BVH (80°-90°)	265.7	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°	10827.1	10827.1	10827.1	10827.1	10827.1	10827.1	10827.1	10827.1	10827.1	10827.1
2.5°	10836.3	10848.6	10848.6	10839.4	10860.9	10842.5	10842.5	10833.2	10842.5	10833.2
5°	10891.7	10907.1	10913.3	10910.2	10937.9	10922.5	10922.5	10910.2	10913.3	10904.1
7.5°	10996.4	11018.0	11030.3	11045.7	11085.7	11067.3	11054.9	11018.0	11002.6	10978.0
10°	11030.3	11054.9	11095.0	11175.0	11267.4	11270.5	11233.6	11141.2	11070.3	11014.9
12.5°	10925.6	10959.5	11042.6	11205.8	11412.2	11495.3	11436.8	11282.8	11144.2	11045.7
15°	10793.2	10830.2	10956.4	11202.8	11507.6	11701.6	11695.5	11492.2	11270.5	11116.5
17.5°	10586.9	10623.8	10805.5	11150.4	11581.5	11901.8	11988.0	11778.6	11467.6	11261.3
20°	10214.3	10248.2	10500.7	10984.1	11606.2	12114.3	12339.0	12154.3	11766.3	11486.1
22.5°	9730.8	9783.2	10078.8	10697.7	11547.6	12336.0	12739.4	12613.1	12114.3	11726.3
25°	9213.5	9268.9	9613.8	10346.7	11396.8	12496.1	13213.6	13133.5	12508.4	12025.0
27.5°	8767.0	8825.5	9201.2	9998.7	11162.7	12557.7	13681.7	13721.7	12985.7	12354.4
30°	8415.9	8471.4	8871.7	9718.5	10860.9	12496.1	14091.2	14368.4	13472.3	12640.8
32.5°	8031.0	8101.8	8523.7	9376.7	10503.7	12348.3	14448.4	15067.4	14035.8	12948.8
35°	7544.5	7609.1	8052.6	8908.6	10035.7	12111.2	14747.1	15843.4	14842.6	13416.8
37.5°	6953.2	7014.8	7455.2	8323.5	9570.7	11778.6	14975.0	16717.9	15803.3	14091.2
40°	6358.9	6417.4	6830.0	7670.7	9013.3	11353.6	15055.1	17574.0	16905.8	15018.1
42.5°	5813.9	5866.2	6245.0	7027.1	8388.2	10811.7	14950.4	18319.2	17894.2	15664.8
45°	5311.9	5358.1	5693.8	6423.6	7738.5	10152.7	14636.3	19119.8	19070.6	16126.7
47.5°	4739.2	4785.3	5133.3	5838.5	7088.7	9379.8	14103.5	19908.1	20705.7	17173.7
50°	4040.1	4080.2	4437.4	5164.1	6414.3	8557.6	13364.5	20527.1	22768.9	18759.5
52.5°	3211.8	3254.9	3602.9	4329.6	5613.7	7673.8	12391.4	20930.5	25152.3	21075.2
55°	2389.6	2420.4	2722.2	3375.0	4622.1	6666.8	11172.0	21044.4	27856.0	24240.8
57.5°	1733.7	1752.2	1946.2	2432.7	3504.3	5407.4	9690.8	20748.8	31073.9	28299.4
60°	1404.2	1410.4	1468.9	1684.4	2435.8	3984.7	7901.7	19732.6	34566.0	33531.3
62.5°	1274.9	1274.9	1290.3	1348.8	1647.5	2629.8	5736.9	17626.3	38310.5	40142.7
65°	1185.6	1185.6	1191.7	1219.4	1299.5	1675.2	3621.3	14195.9	41466.8	47887.3
67.5°	1105.5	1108.6	1105.5	1114.7	1160.9	1237.9	2100.1	9804.7	43166.6	55912.2
70°	1022.4	1028.5	1013.1	1013.1	1050.1	1053.1	1314.9	5376.6	41756.3	62637.5
72.5°	923.8	933.0	908.4	902.3	930.0	917.7	988.5	2580.5	35850.1	64645.3
75°	837.6	849.9	794.5	779.1	779.1	769.8	803.7	1324.1	23267.7	52734.3
77.5°	760.6	785.2	695.9	646.7	634.4	606.6	655.9	809.9	10177.3	24758.2
80°	628.2	662.1	572.8	514.3	492.7	461.9	517.3	566.6	3027.0	5749.2
82.5°	468.1	483.5	406.5	366.4	348.0	326.4	388.0	394.2	985.4	2035.5
85°	298.7	304.9	249.4	215.6	206.3	197.1	246.3	215.6	375.7	1496.6
87.5°	104.7	120.1	95.5	86.2	92.4	77.0	113.9	64.7	104.7	1056.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

10827.1  
10833.2  
10904.1  
10978.0  
11005.7  
11030.3  
11091.9  
11227.4  
11433.7  
11655.4  
11926.4  
12249.7  
12489.9  
12757.8  
13204.4  
13807.9  
14716.3  
15276.8  
15603.2  
16570.1  
18002.0  
20142.2  
23073.7  
26830.6  
31680.6  
37663.8  
44752.5  
52527.9  
61747.6  
66985.6  
56404.9  
24243.9  
5505.9  
2300.3  
2174.0  
1308.7  
0.0

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