

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: P851604

Luminaire Tested: **GLAN-SB9C-930-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851604  
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-930-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 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: 45526 lumens  
Efficiency: N/A  
Efficacy: 101.2 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

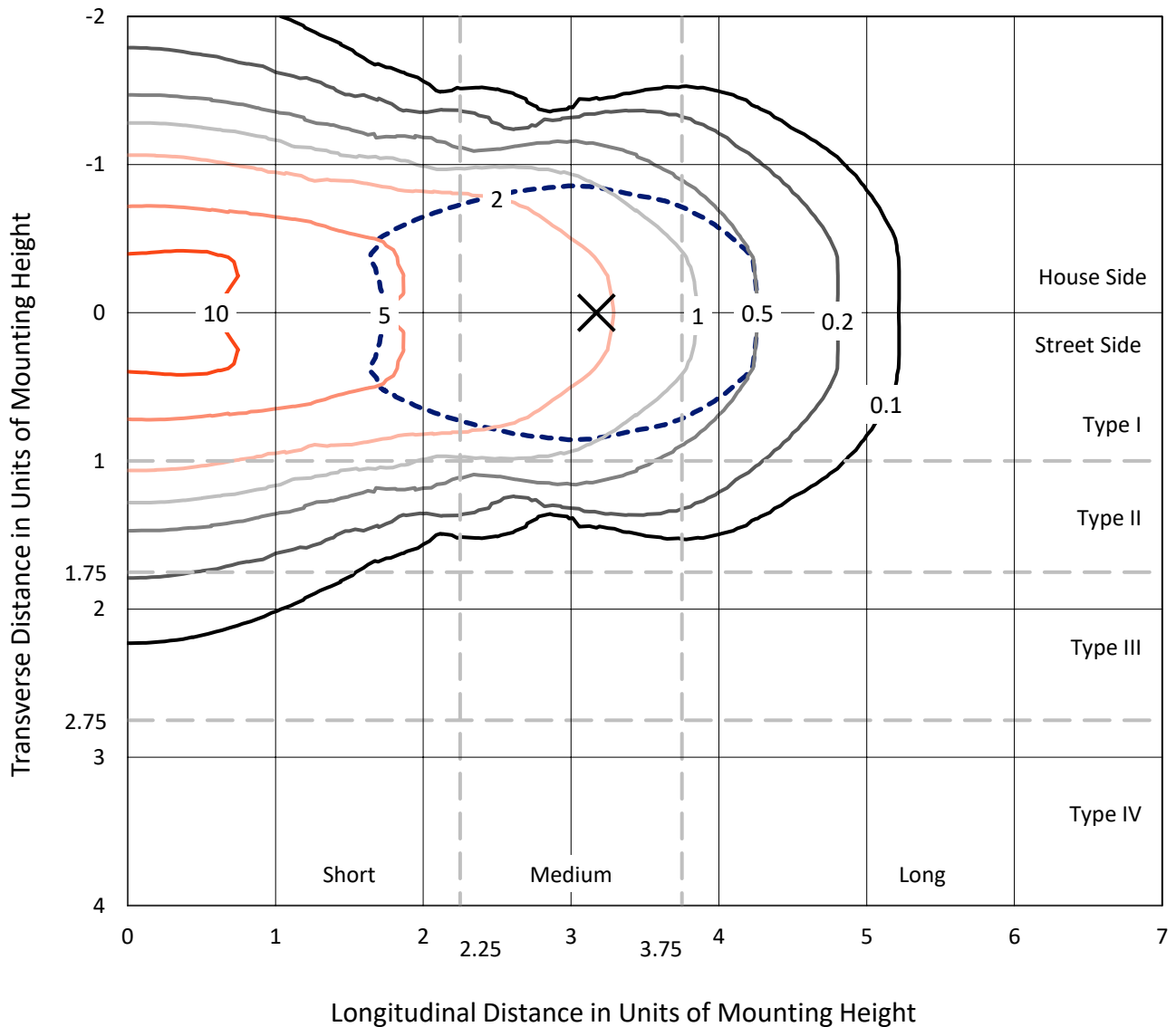
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

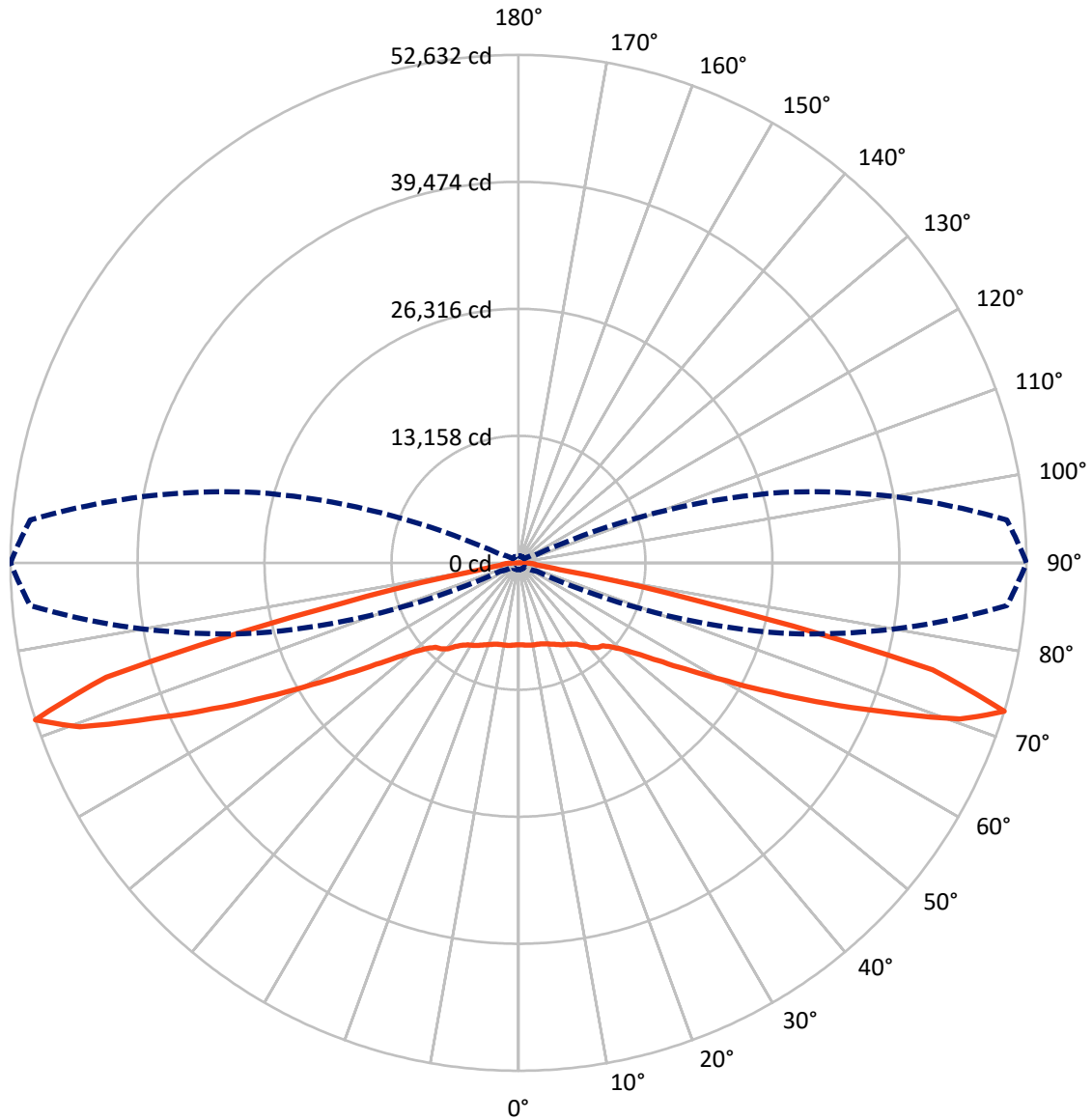
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.6 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	22763.0	0.0	22763.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	22763.0	0.0	22763.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	45526.0	0.0	45526.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	824.9	1.8
10°-20°	2522.1	5.5
20°-30°	4205.4	9.2
30°-40°	5783.7	12.7
40°-50°	7063.4	15.5
50°-60°	8169.6	17.9
60°-70°	9740.9	21.4
70°-80°	6798.5	14.9
80°-90°	417.6	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°	45526.0	100.0
0°-180°	45526.0	100.0

**Coefficient of Utilization**

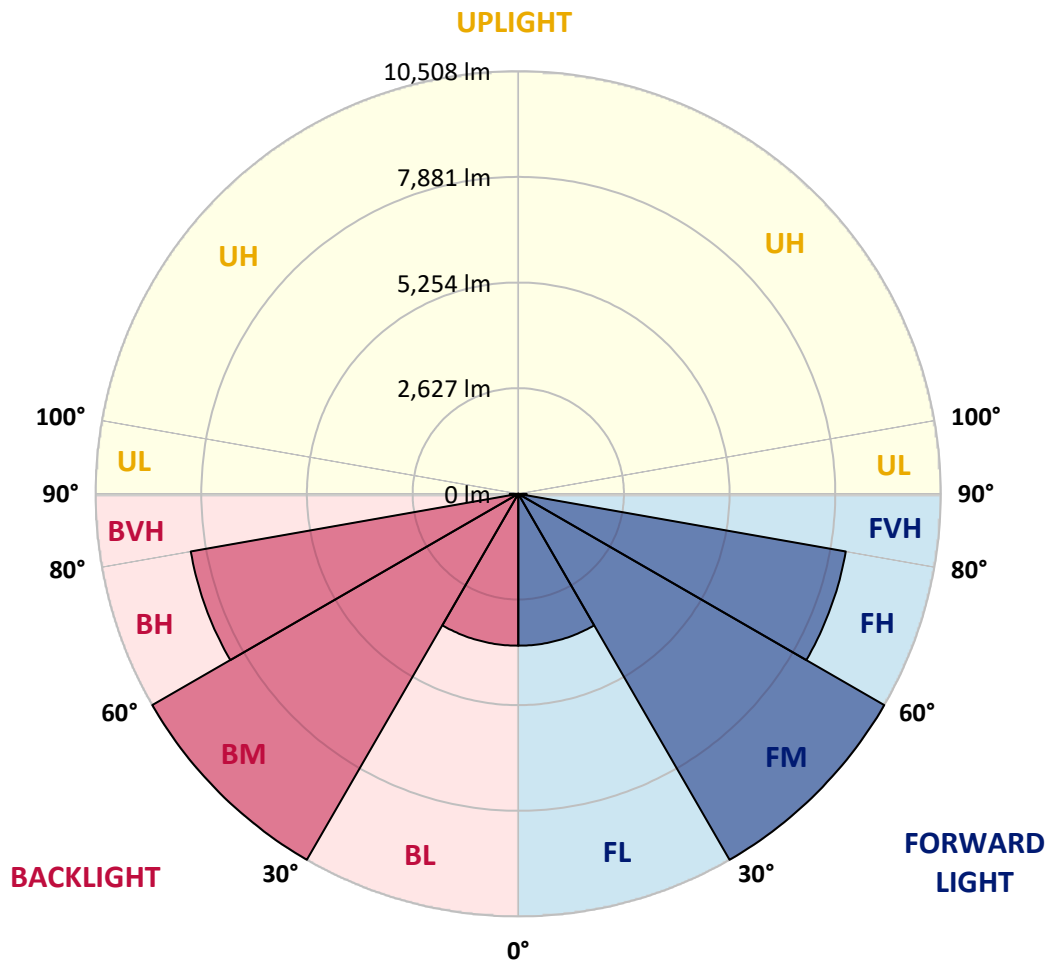


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3776.1	8.3			
FM (30°-60°)	10508.3	23.1			
FH (60°-80°)	8269.7	18.2			G4/12000
FVH (80°-90°)	208.8	0.5			G2/225
BL (0°-30°)	3776.1	8.3	B4/5000		
BM (30°-60°)	10508.3	23.1	B5		
BH (60°-80°)	8269.7	18.2	B5		G5
BVH (80°-90°)	208.8	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°	8507.0	8507.0	8507.0	8507.0	8507.0	8507.0	8507.0	8507.0	8507.0	8507.0
2.5°	8514.3	8524.0	8524.0	8516.7	8533.6	8519.1	8519.1	8511.9	8519.1	8511.9
5°	8557.8	8569.9	8574.8	8572.3	8594.1	8582.0	8582.0	8572.3	8574.8	8567.5
7.5°	8640.1	8657.0	8666.7	8678.8	8710.3	8695.7	8686.1	8657.0	8644.9	8625.6
10°	8666.7	8686.1	8717.5	8780.4	8853.0	8855.4	8826.4	8753.8	8698.2	8654.6
12.5°	8584.4	8611.1	8676.4	8804.6	8966.7	9032.0	8986.1	8865.1	8756.2	8678.8
15°	8480.4	8509.4	8608.6	8802.2	9041.7	9194.2	9189.3	9029.6	8855.4	8734.4
17.5°	8318.3	8347.3	8490.1	8761.1	9099.8	9351.4	9419.2	9254.6	9010.3	8848.2
20°	8025.5	8052.1	8250.5	8630.4	9119.2	9518.4	9695.0	9549.8	9245.0	9024.8
22.5°	7645.7	7686.8	7919.1	8405.4	9073.2	9692.6	10009.5	9910.3	9518.4	9213.5
25°	7239.2	7282.7	7553.7	8129.6	8954.6	9818.4	10382.1	10319.2	9828.1	9448.2
27.5°	6888.4	6934.3	7229.5	7856.2	8770.7	9866.8	10749.9	10781.4	10203.1	9707.1
30°	6612.5	6656.1	6970.6	7636.0	8533.6	9818.4	11071.7	11289.5	10585.4	9932.1
32.5°	6310.1	6365.7	6697.2	7367.4	8253.0	9702.3	11352.4	11838.7	11028.1	10174.1
35°	5927.8	5978.6	6327.0	6999.7	7885.2	9516.0	11587.1	12448.4	11662.1	10541.8
37.5°	5463.3	5511.7	5857.6	6539.9	7519.9	9254.6	11766.1	13135.5	12416.9	11071.7
40°	4996.3	5042.3	5366.5	6027.0	7081.9	8920.8	11829.0	13808.2	13283.1	11800.0
42.5°	4568.0	4609.2	4906.8	5521.3	6590.8	8494.9	11746.7	14393.7	14059.8	12308.1
45°	4173.7	4210.0	4473.7	5047.1	6080.2	7977.1	11500.0	15022.8	14984.1	12671.0
47.5°	3723.6	3759.9	4033.3	4587.4	5569.7	7369.8	11081.4	15642.2	16268.8	13493.6
50°	3174.4	3205.9	3486.5	4057.5	5039.8	6723.8	10500.7	16128.5	17889.9	14739.7
52.5°	2523.6	2557.4	2830.8	3401.8	4410.8	6029.4	9736.1	16445.4	19762.6	16559.2
55°	1877.5	1901.7	2138.9	2651.8	3631.7	5238.2	8778.0	16535.0	21886.9	19046.4
57.5°	1362.2	1376.7	1529.1	1911.4	2753.4	4248.7	7614.2	16302.7	24415.3	22235.3
60°	1103.3	1108.1	1154.1	1323.5	1913.8	3130.9	6208.5	15504.3	27159.1	26346.1
62.5°	1001.7	1001.7	1013.8	1059.7	1294.4	2066.3	4507.6	13849.3	30101.2	31540.8
65°	931.5	931.5	936.4	958.1	1021.0	1316.2	2845.3	11154.0	32581.2	37625.9
67.5°	868.6	871.0	868.6	875.9	912.2	972.6	1650.1	7703.7	33916.8	43931.1
70°	803.3	808.1	796.0	796.0	825.1	827.5	1033.1	4224.5	32808.6	49215.3
72.5°	725.9	733.1	713.8	708.9	730.7	721.0	776.7	2027.6	28168.0	50792.9
75°	658.1	667.8	624.2	612.1	612.1	604.9	631.5	1040.4	18281.9	41434.2
77.5°	597.6	617.0	546.8	508.1	498.4	476.6	515.4	636.3	7996.5	19452.9
80°	493.6	520.2	450.0	404.1	387.1	362.9	406.5	445.2	2378.4	4517.2
82.5°	367.8	379.9	319.4	287.9	273.4	256.5	304.9	309.7	774.2	1599.3
85°	234.7	239.5	196.0	169.4	162.1	154.8	193.6	169.4	295.2	1175.9
87.5°	82.3	94.4	75.0	67.7	72.6	60.5	89.5	50.8	82.3	829.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

8507.0  
8511.9  
8567.5  
8625.6  
8647.3  
8666.7  
8715.1  
8821.6  
8983.7  
9157.9  
9370.8  
9624.8  
9813.6  
10024.0  
10374.9  
10849.1  
11562.9  
12003.2  
12259.7  
13019.4  
14144.5  
15826.0  
18129.4  
21081.2  
24892.0  
29593.1  
35162.8  
41272.1  
48516.1  
52631.7  
44318.3  
19048.8  
4326.1  
1807.4  
1708.2  
1028.3  
0.0

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