

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: P850914

Luminaire Tested: **GLAN-SB8C-927-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850914
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-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38580 lumens
Efficiency: N/A
Efficacy: 96.5 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

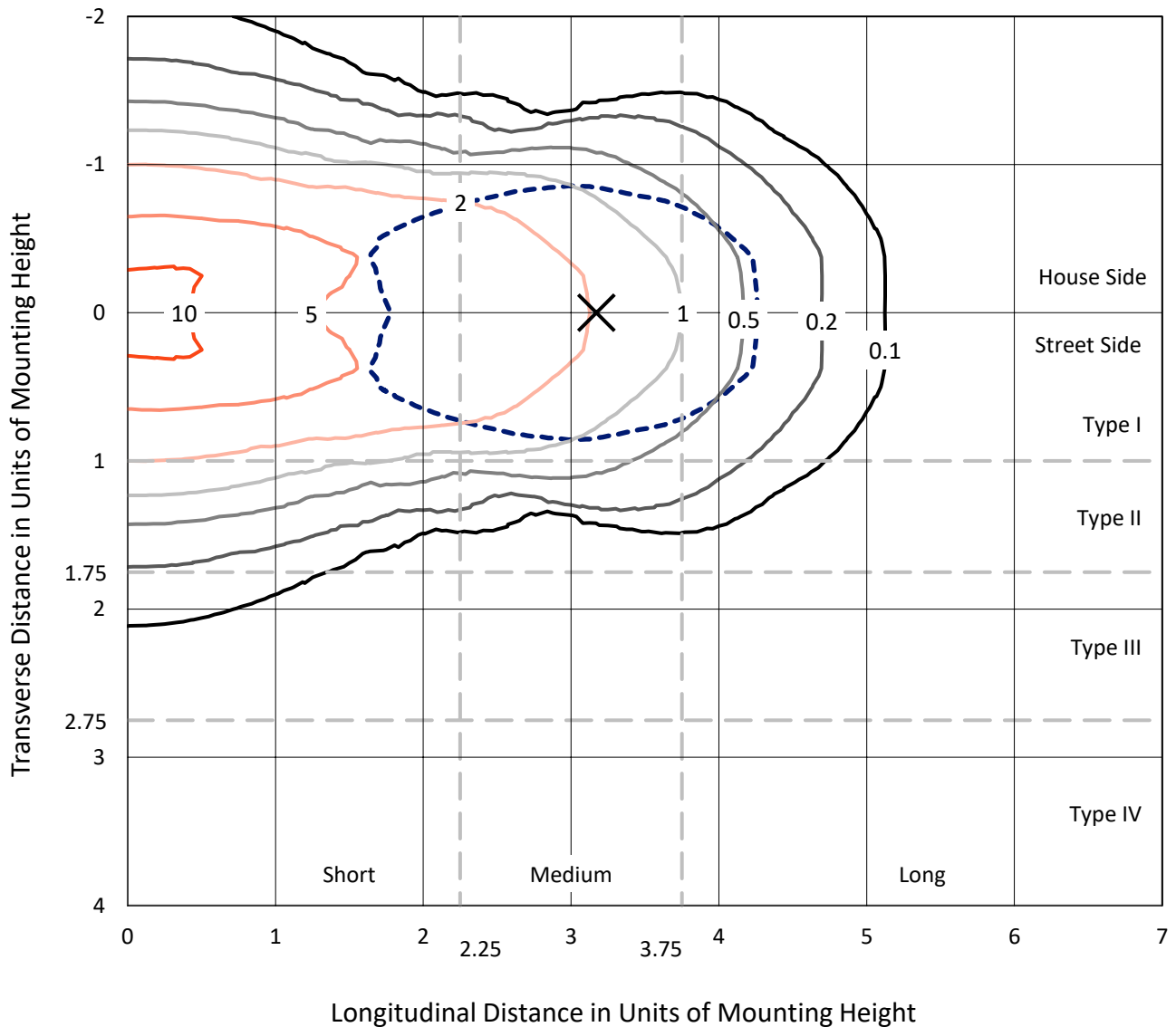
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

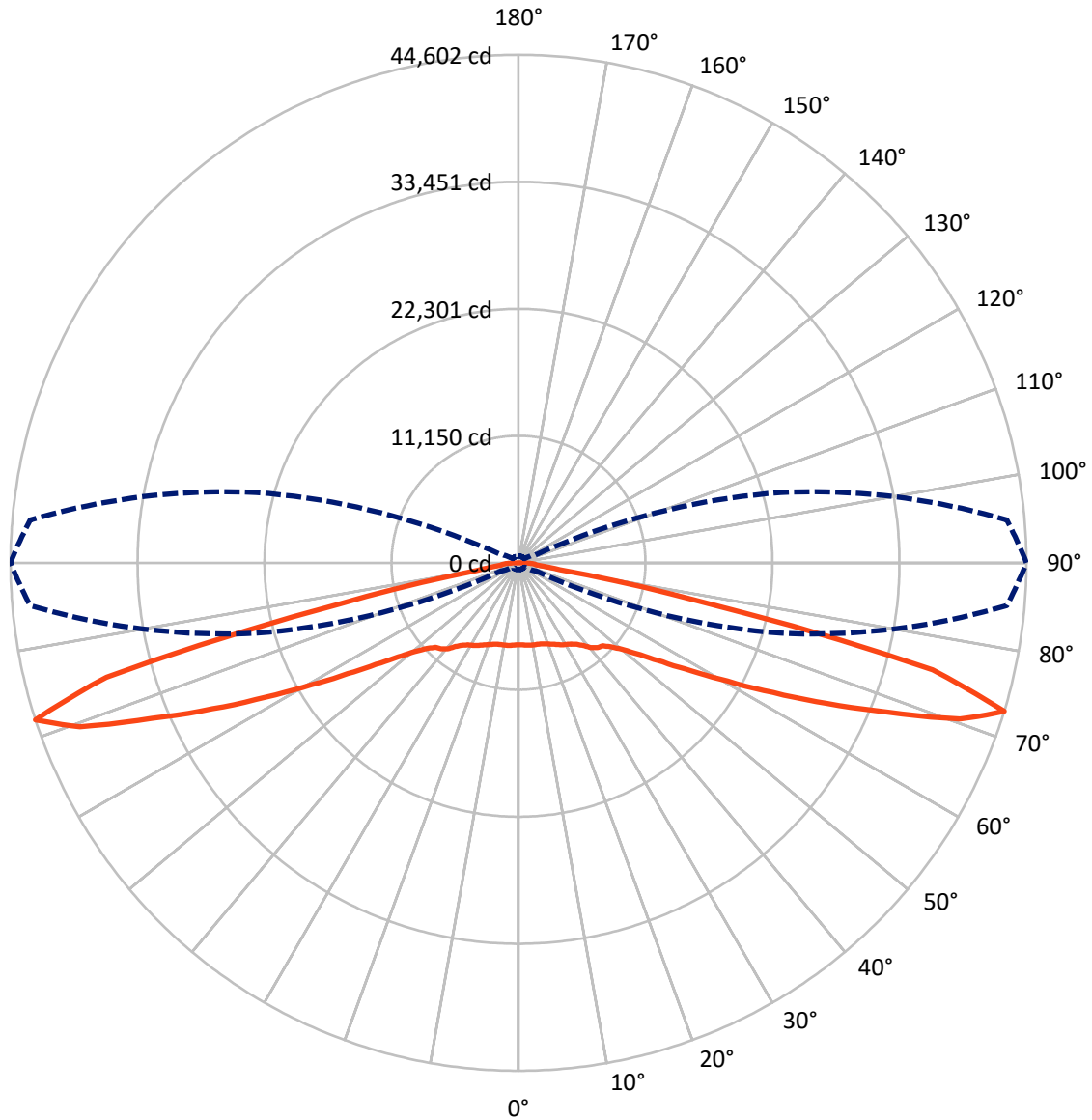
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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
House Side	Lumens	19290.0	0.0	19290.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19290.0	0.0	19290.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38580.0	0.0	38580.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	699.0	1.8
10°-20°	2137.3	5.5
20°-30°	3563.7	9.2
30°-40°	4901.2	12.7
40°-50°	5985.7	15.5
50°-60°	6923.1	17.9
60°-70°	8254.7	21.4
70°-80°	5761.3	14.9
80°-90°	353.9	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°	38580.0	100.0
0°-180°	38580.0	100.0

Coefficient of Utilization

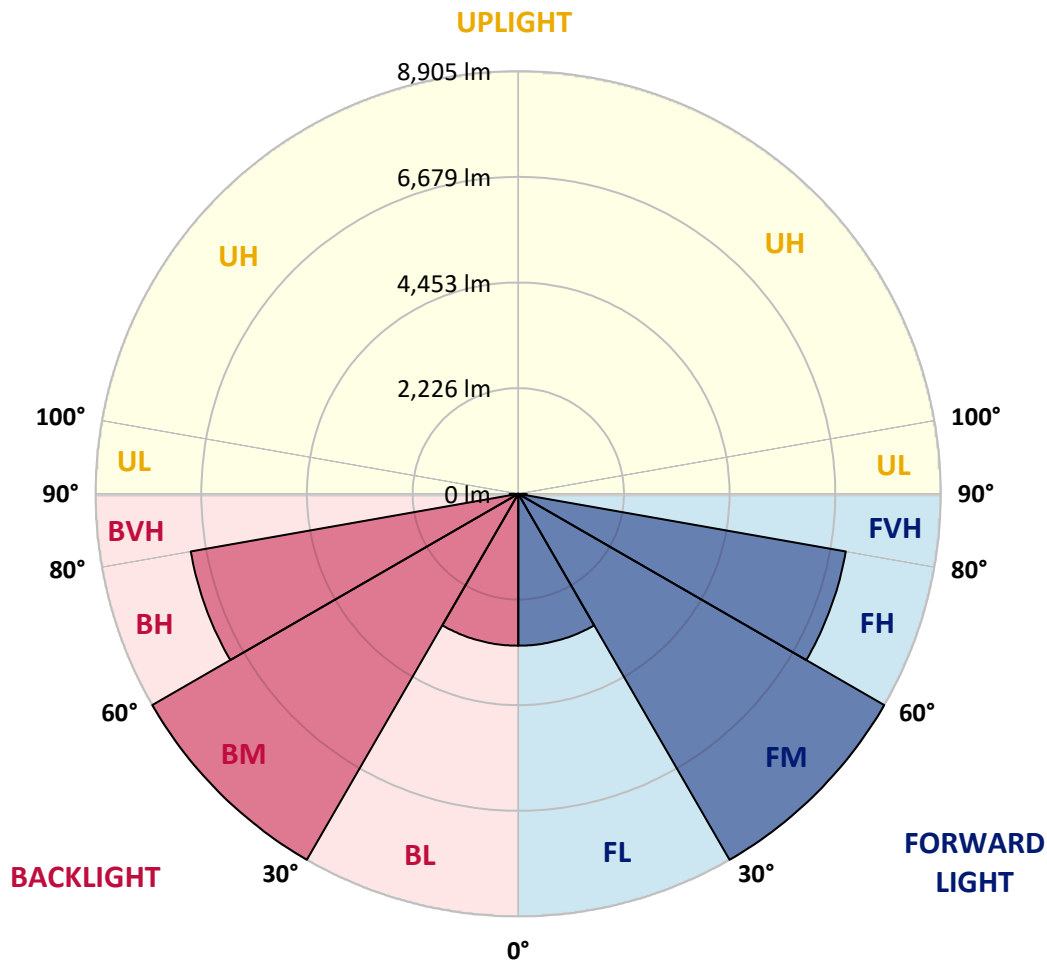


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3200.0	8.3			
FM (30°-60°)	8905.1	23.1			
FH (60°-80°)	7008.0	18.2			G3/7500
FVH (80°-90°)	176.9	0.5			G2/225
BL (0°-30°)	3200.0	8.3	B4/5000		
BM (30°-60°)	8905.1	23.1	B5		
BH (60°-80°)	7008.0	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°	7209.1	7209.1	7209.1	7209.1	7209.1	7209.1	7209.1	7209.1	7209.1	7209.1
2.5°	7215.2	7223.4	7223.4	7217.3	7231.6	7219.3	7219.3	7213.2	7219.3	7213.2
5°	7252.1	7262.4	7266.5	7264.4	7282.9	7272.6	7272.6	7264.4	7266.5	7260.3
7.5°	7321.9	7336.2	7344.4	7354.7	7381.3	7369.0	7360.8	7336.2	7326.0	7309.5
10°	7344.4	7360.8	7387.5	7440.8	7502.3	7504.3	7479.7	7418.2	7371.1	7334.2
12.5°	7274.7	7297.2	7352.6	7461.3	7598.6	7654.0	7615.1	7512.5	7420.3	7354.7
15°	7186.5	7211.1	7295.2	7459.2	7662.2	7791.4	7787.3	7652.0	7504.3	7401.8
17.5°	7049.2	7073.8	7194.7	7424.4	7711.4	7924.7	7982.1	7842.6	7635.6	7498.2
20°	6801.1	6823.6	6991.7	7313.6	7727.8	8066.1	8215.8	8092.8	7834.4	7647.9
22.5°	6479.2	6514.0	6710.8	7123.0	7688.9	8213.8	8482.4	8398.3	8066.1	7807.8
25°	6134.7	6171.6	6401.2	6889.2	7588.4	8320.4	8798.1	8744.8	8328.6	8006.7
27.5°	5837.4	5876.3	6126.5	6657.5	7432.6	8361.4	9109.8	9136.4	8646.4	8226.1
30°	5603.6	5640.6	5907.1	6470.9	7231.6	8320.4	9382.5	9567.0	8970.3	8416.7
32.5°	5347.3	5394.5	5675.4	6243.4	6993.8	8222.0	9620.3	10032.4	9345.6	8621.8
35°	5023.4	5066.4	5361.7	5931.7	6682.1	8064.1	9819.2	10549.1	9882.8	8933.4
37.5°	4629.7	4670.7	4963.9	5542.1	6372.5	7842.6	9970.9	11131.4	10522.5	9382.5
40°	4234.0	4273.0	4547.7	5107.5	6001.4	7559.7	10024.2	11701.4	11256.5	9999.6
42.5°	3871.1	3905.9	4158.1	4678.9	5585.2	7198.8	9954.5	12197.6	11914.7	10430.2
45°	3536.9	3567.6	3791.1	4277.1	5152.6	6760.1	9745.4	12730.7	12697.9	10737.8
47.5°	3155.5	3186.3	3418.0	3887.5	4719.9	6245.4	9390.7	13255.6	13786.6	11434.9
50°	2690.1	2716.7	2954.6	3438.5	4270.9	5698.0	8898.6	13667.7	15160.4	12490.8
52.5°	2138.5	2167.2	2398.9	2882.8	3737.8	5109.5	8250.7	13936.3	16747.4	14032.7
55°	1591.1	1611.6	1812.5	2247.2	3077.6	4439.0	7438.7	14012.2	18547.6	16140.5
57.5°	1154.4	1166.7	1295.8	1619.8	2333.3	3600.4	6452.5	13815.4	20690.2	18842.8
60°	935.0	939.1	978.0	1121.5	1621.8	2653.2	5261.2	13138.7	23015.3	22326.4
62.5°	848.9	848.9	859.1	898.1	1096.9	1751.0	3819.8	11736.3	25508.6	26728.5
65°	789.4	789.4	793.5	811.9	865.3	1115.4	2411.2	9452.2	27610.2	31885.2
67.5°	736.1	738.1	736.1	742.2	773.0	824.2	1398.3	6528.4	28742.0	37228.5
70°	680.7	684.8	674.6	674.6	699.2	701.2	875.5	3579.9	27802.9	41706.5
72.5°	615.1	621.3	604.9	600.8	619.2	611.0	658.2	1718.2	23870.3	43043.3
75°	557.7	565.9	529.0	518.7	518.7	512.6	535.1	881.7	15492.6	35112.5
77.5°	506.4	522.8	463.4	430.6	422.4	403.9	436.7	539.2	6776.5	16484.9
80°	418.3	440.8	381.4	342.4	328.1	307.6	344.5	377.3	2015.5	3828.0
82.5°	311.7	321.9	270.6	244.0	231.7	217.3	258.3	262.4	656.1	1355.3
85°	198.9	203.0	166.1	143.5	137.4	131.2	164.0	143.5	250.1	996.5
87.5°	69.7	80.0	63.6	57.4	61.5	51.3	75.9	43.1	69.7	703.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7209.1
7213.2
7260.3
7309.5
7328.0
7344.4
7385.4
7475.6
7613.0
7760.6
7941.1
8156.3
8316.3
8494.7
8792.0
9193.8
9798.7
10171.9
10389.2
11033.0
11986.4
13411.4
15363.4
17864.8
21094.1
25078.0
29797.9
34975.1
41113.9
44601.6
37556.5
16142.5
3666.1
1531.6
1447.6
871.4
0.0

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