

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: P851594

Luminaire Tested: **GLAN-SB9C-927-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851594  
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-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 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: 43457 lumens  
Efficiency: N/A  
Efficacy: 96.6 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

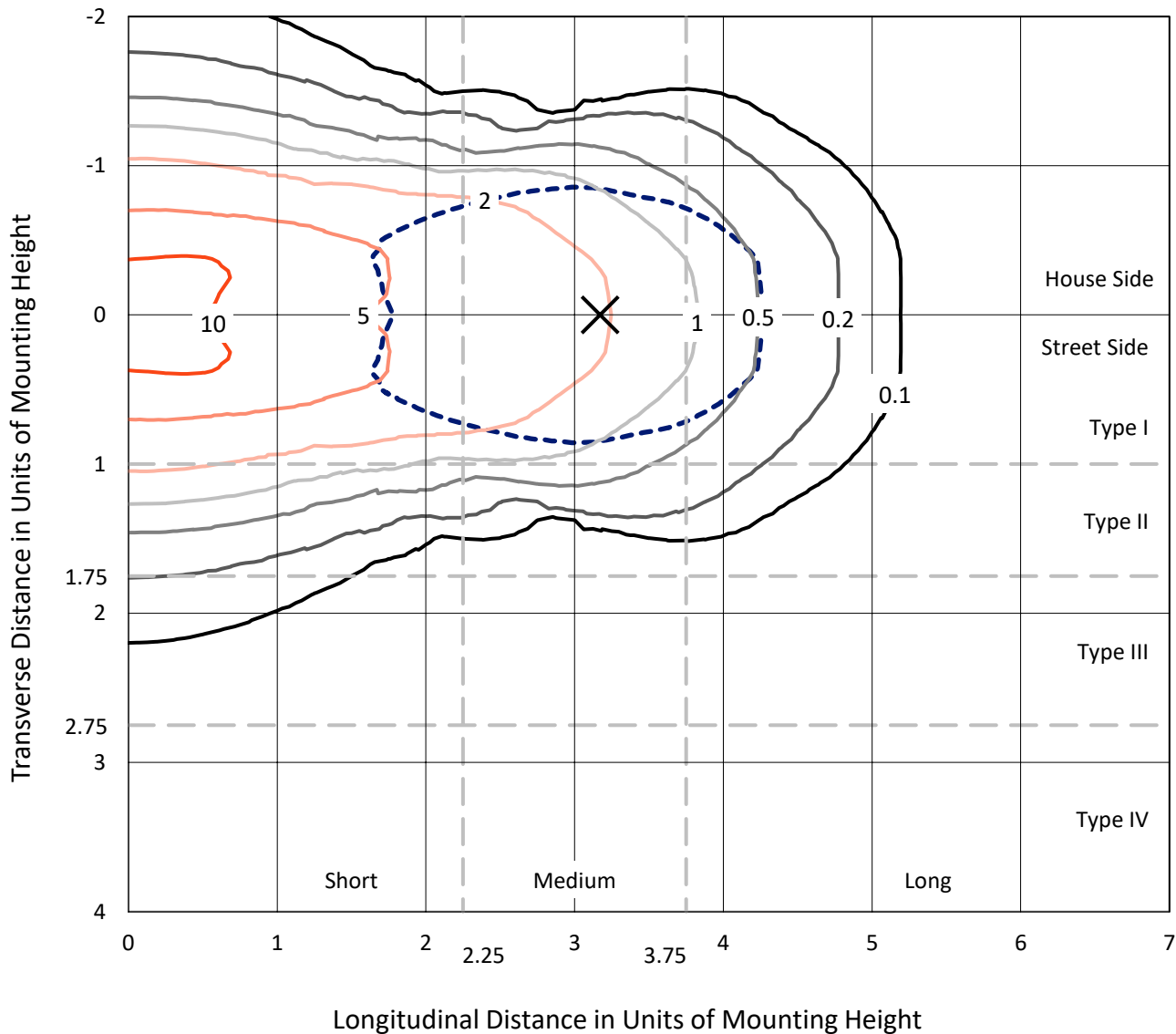
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

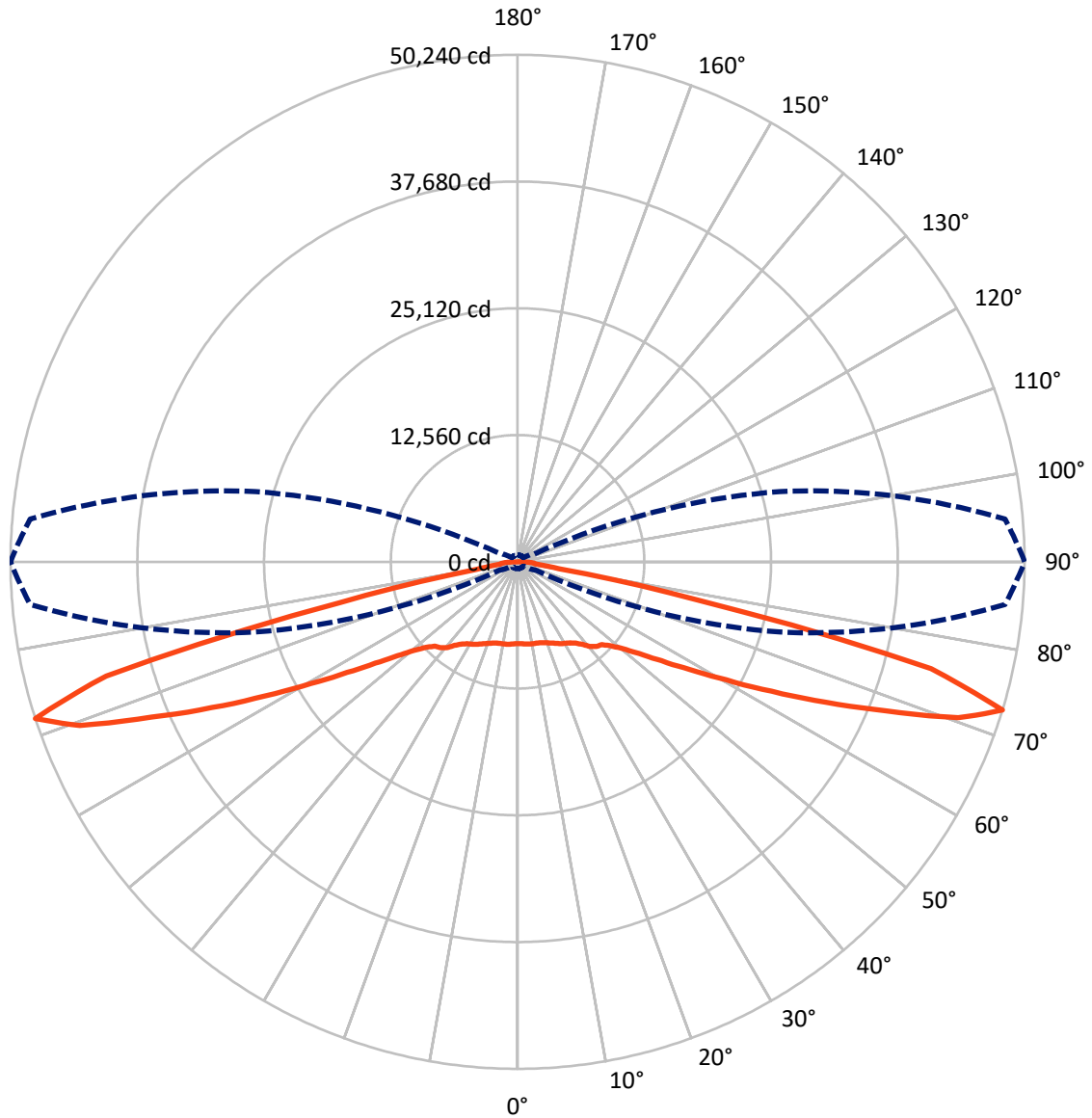
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 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	21728.5	0.0	21728.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21728.5	0.0	21728.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	43457.0	0.0	43457.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	787.4	1.8
10°-20°	2407.5	5.5
20°-30°	4014.2	9.2
30°-40°	5520.8	12.7
40°-50°	6742.4	15.5
50°-60°	7798.3	17.9
60°-70°	9298.2	21.4
70°-80°	6489.5	14.9
80°-90°	398.6	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°	43457.0	100.0
0°-180°	43457.0	100.0

**Coefficient of Utilization**

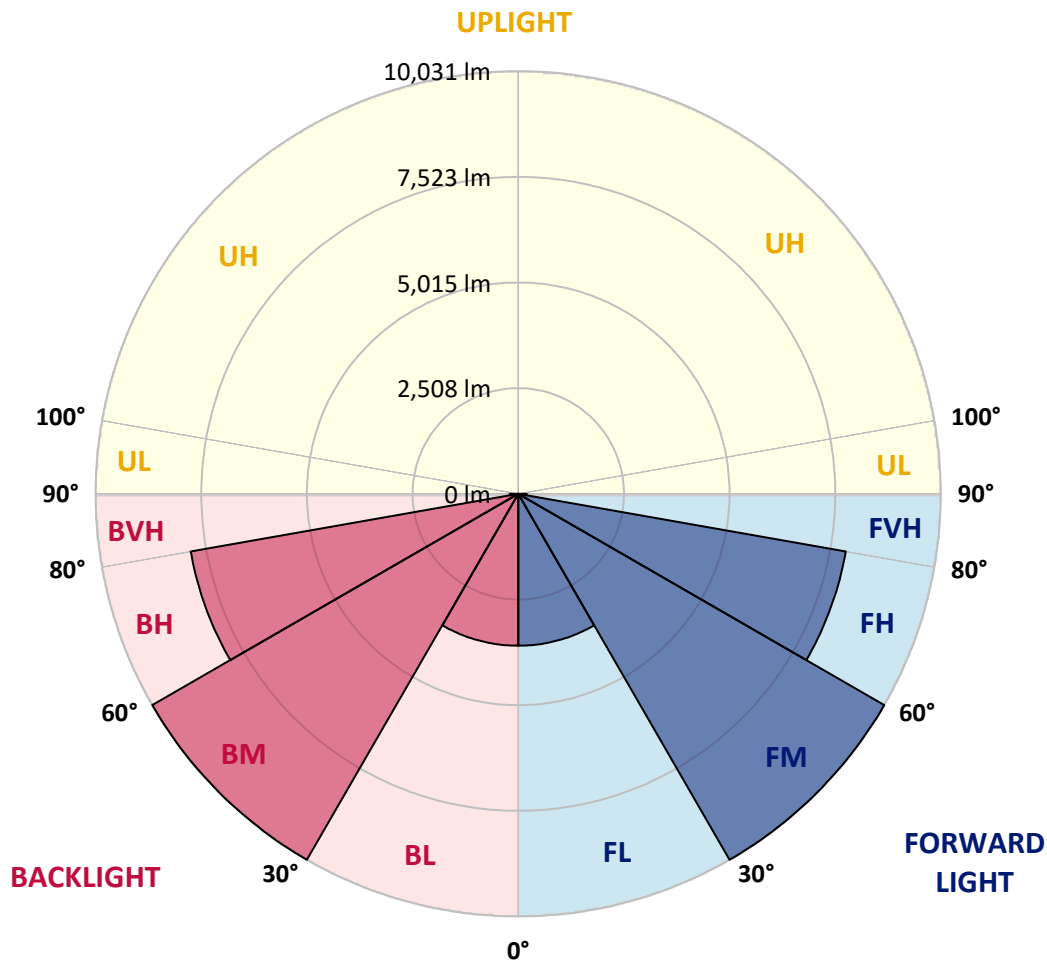


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3604.5	8.3			
FM (30°-60°)	10030.8	23.1			
FH (60°-80°)	7893.9	18.2			G4/12000
FVH (80°-90°)	199.3	0.5			G2/225
BL (0°-30°)	3604.5	8.3	B4/5000		
BM (30°-60°)	10030.8	23.1	B5		
BH (60°-80°)	7893.9	18.2	B5		G5
BVH (80°-90°)	199.3	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°	8120.4	8120.4	8120.4	8120.4	8120.4	8120.4	8120.4	8120.4	8120.4	8120.4
2.5°	8127.3	8136.6	8136.6	8129.6	8145.8	8131.9	8131.9	8125.0	8131.9	8125.0
5°	8168.9	8180.4	8185.1	8182.8	8203.5	8192.0	8192.0	8182.8	8185.1	8178.1
7.5°	8247.4	8263.6	8272.8	8284.4	8314.4	8300.5	8291.3	8263.6	8252.0	8233.6
10°	8272.8	8291.3	8321.3	8381.4	8450.7	8453.0	8425.3	8356.0	8302.9	8261.3
12.5°	8194.3	8219.7	8282.1	8404.5	8559.2	8621.6	8577.7	8462.2	8358.3	8284.4
15°	8095.0	8122.7	8217.4	8402.2	8630.8	8776.3	8771.7	8619.3	8453.0	8337.5
17.5°	7940.3	7968.0	8104.2	8362.9	8686.2	8926.4	8991.1	8834.1	8600.8	8446.0
20°	7660.8	7686.2	7875.6	8238.2	8704.7	9085.8	9254.4	9115.8	8824.8	8614.6
22.5°	7298.2	7337.5	7559.2	8023.4	8660.8	9252.1	9554.6	9459.9	9085.8	8794.8
25°	6910.2	6951.8	7210.4	7760.1	8547.7	9372.2	9910.3	9850.3	9381.4	9018.8
27.5°	6575.3	6619.2	6901.0	7499.1	8372.1	9418.4	10261.4	10291.4	9739.4	9265.9
30°	6312.0	6353.6	6653.8	7289.0	8145.8	9372.2	10568.5	10776.4	10104.3	9480.7
32.5°	6023.3	6076.4	6392.9	7032.6	7877.9	9261.3	10836.4	11300.7	10527.0	9711.7
35°	5658.4	5706.9	6039.5	6681.5	7526.8	9083.5	11060.5	11882.7	11132.1	10062.7
37.5°	5215.0	5261.2	5591.4	6242.7	7178.1	8834.1	11231.4	12538.6	11852.6	10568.5
40°	4769.2	4813.1	5122.6	5753.1	6760.1	8515.3	11291.4	13180.6	12679.5	11263.7
42.5°	4360.4	4399.7	4683.8	5270.4	6291.2	8108.9	11212.9	13739.5	13420.8	11748.7
45°	3984.0	4018.6	4270.4	4817.7	5803.9	7614.6	10977.3	14340.0	14303.1	12095.1
47.5°	3554.4	3589.1	3850.0	4378.9	5316.6	7034.9	10577.8	14931.3	15529.5	12880.4
50°	3030.1	3060.2	3328.1	3873.1	4810.8	6418.3	10023.5	15395.5	17076.9	14069.8
52.5°	2408.9	2441.2	2702.2	3247.2	4210.3	5755.4	9293.7	15698.1	18864.5	15806.6
55°	1792.2	1815.3	2041.6	2531.3	3466.6	5000.2	8379.1	15783.5	20892.2	18180.8
57.5°	1300.3	1314.1	1459.6	1824.5	2628.3	4055.6	7268.2	15561.8	23305.7	21224.8
60°	1053.2	1057.8	1101.7	1263.3	1826.9	2988.6	5926.3	14799.6	25924.8	25148.8
62.5°	956.2	956.2	967.7	1011.6	1235.6	1972.4	4302.7	13219.9	28733.2	30107.4
65°	889.2	889.2	893.8	914.6	974.6	1256.4	2716.0	10647.1	31100.5	35915.9
67.5°	829.1	831.4	829.1	836.1	870.7	928.4	1575.1	7353.6	32375.4	41934.6
70°	766.8	771.4	759.8	759.8	787.6	789.9	986.2	4032.5	31317.6	46978.7
72.5°	692.9	699.8	681.3	676.7	697.5	688.2	741.4	1935.4	26887.9	48484.5
75°	628.2	637.4	595.9	584.3	584.3	577.4	602.8	993.1	17451.0	39551.1
77.5°	570.5	588.9	522.0	485.0	475.8	455.0	491.9	607.4	7633.1	18568.8
80°	471.1	496.6	429.6	385.7	369.5	346.4	388.0	425.0	2270.3	4311.9
82.5°	351.1	362.6	304.9	274.8	261.0	244.8	291.0	295.6	739.1	1526.6
85°	224.0	228.6	187.1	161.7	154.7	147.8	184.8	161.7	281.8	1122.4
87.5°	78.5	90.1	71.6	64.7	69.3	57.7	85.5	48.5	78.5	792.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

8120.4  
8125.0  
8178.1  
8233.6  
8254.4  
8272.8  
8319.0  
8420.6  
8575.4  
8741.7  
8944.9  
9187.4  
9367.6  
9568.5  
9903.4  
10356.0  
11037.4  
11457.7  
11702.5  
12427.7  
13501.7  
15106.8  
17305.5  
20123.2  
23760.7  
28248.2  
33564.8  
39396.4  
46311.2  
50239.8  
42304.1  
18183.1  
4129.5  
1725.2  
1630.5  
981.6  
0.0

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