

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: P851204

Luminaire Tested: **GLAN-SB9A-827-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851204  
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-SB9A-827-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32227 lumens  
Efficiency: N/A  
Efficacy: 126.1 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

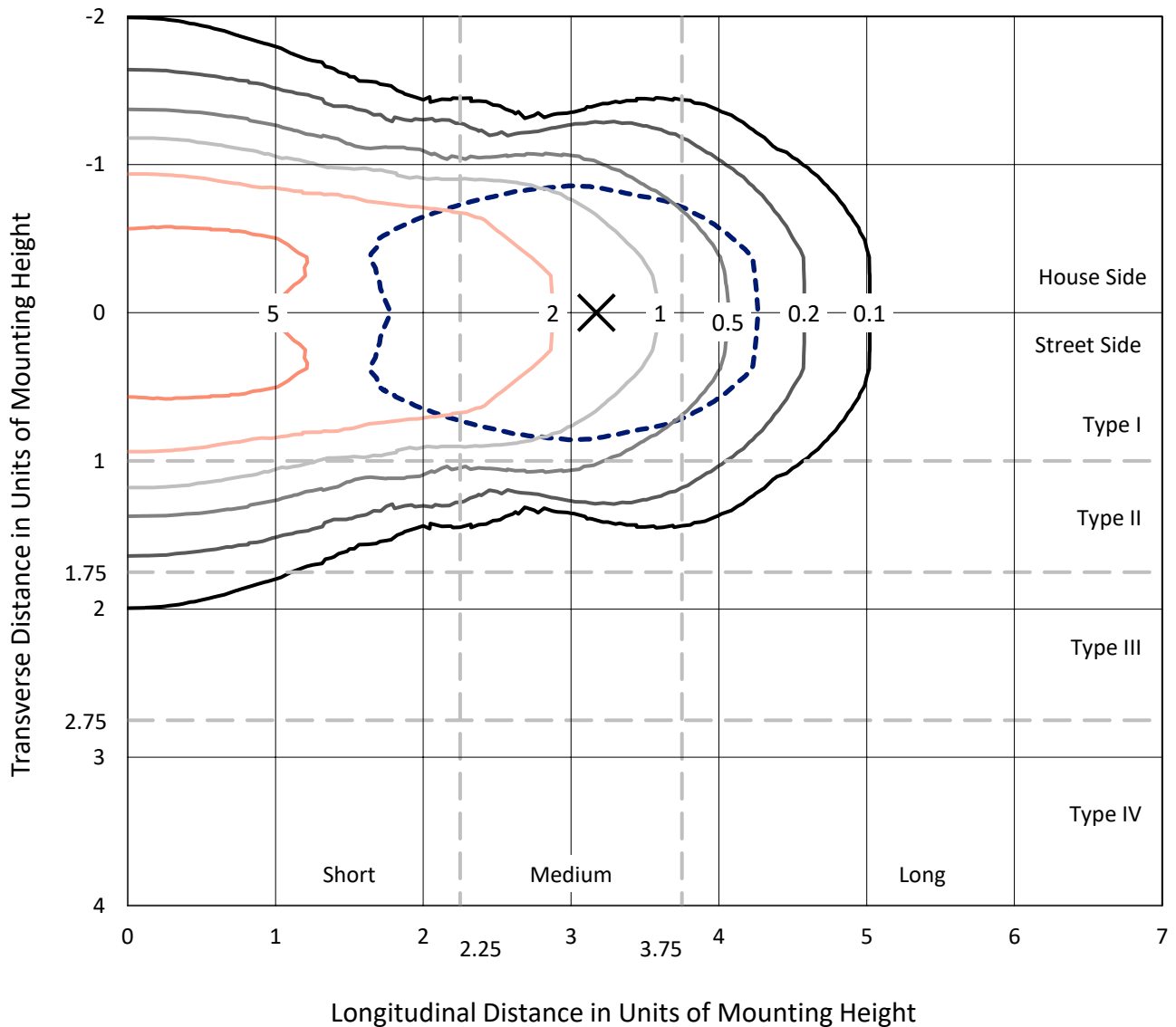
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

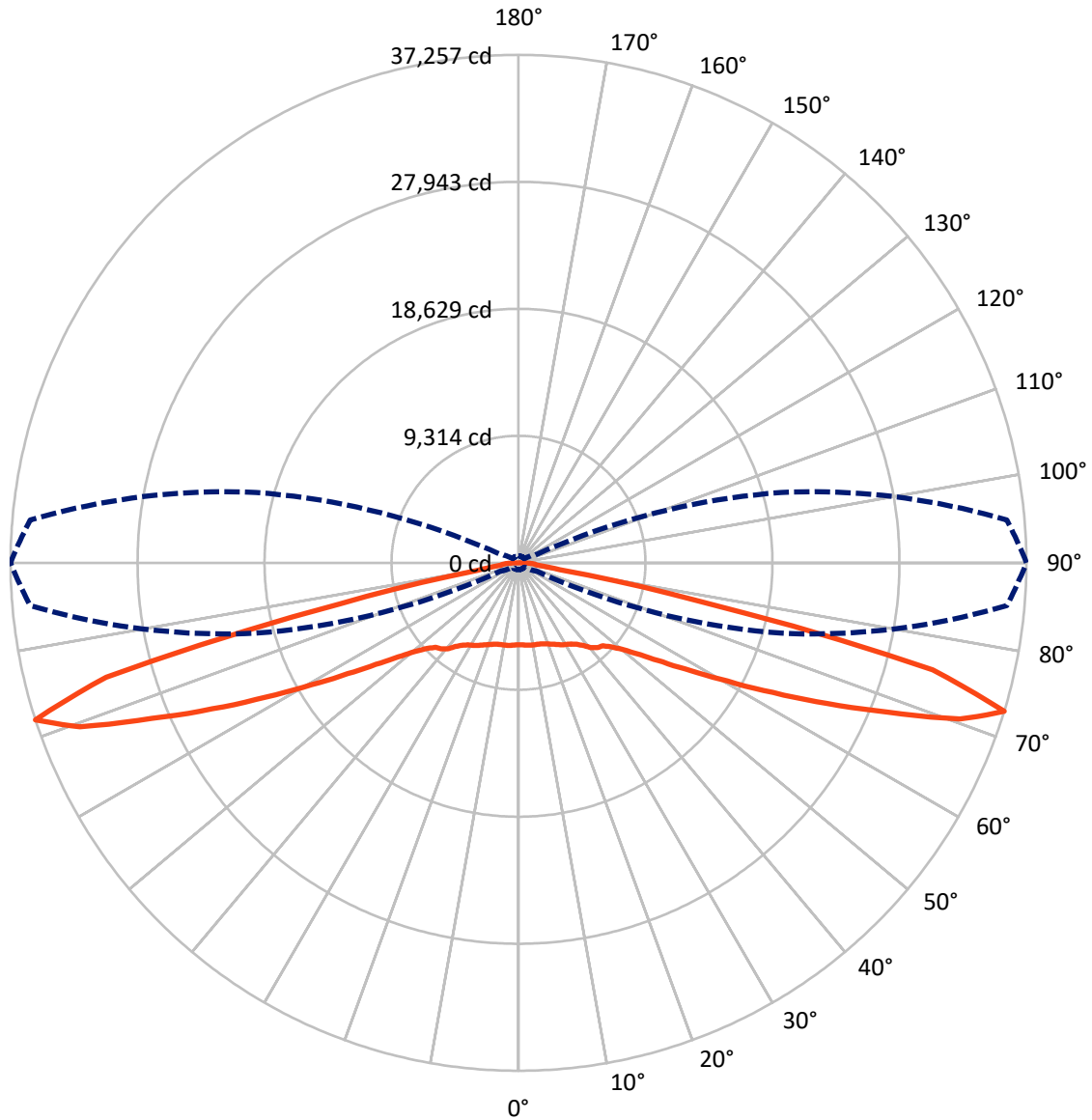
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 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	16113.5	0.0	16113.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16113.5	0.0	16113.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32227.0	0.0	32227.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	583.9	1.8
10°-20°	1785.3	5.5
20°-30°	2976.9	9.2
30°-40°	4094.1	12.7
40°-50°	5000.1	15.5
50°-60°	5783.1	17.9
60°-70°	6895.4	21.4
70°-80°	4812.5	14.9
80°-90°	295.6	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°	32227.0	100.0
0°-180°	32227.0	100.0

**Coefficient of Utilization**

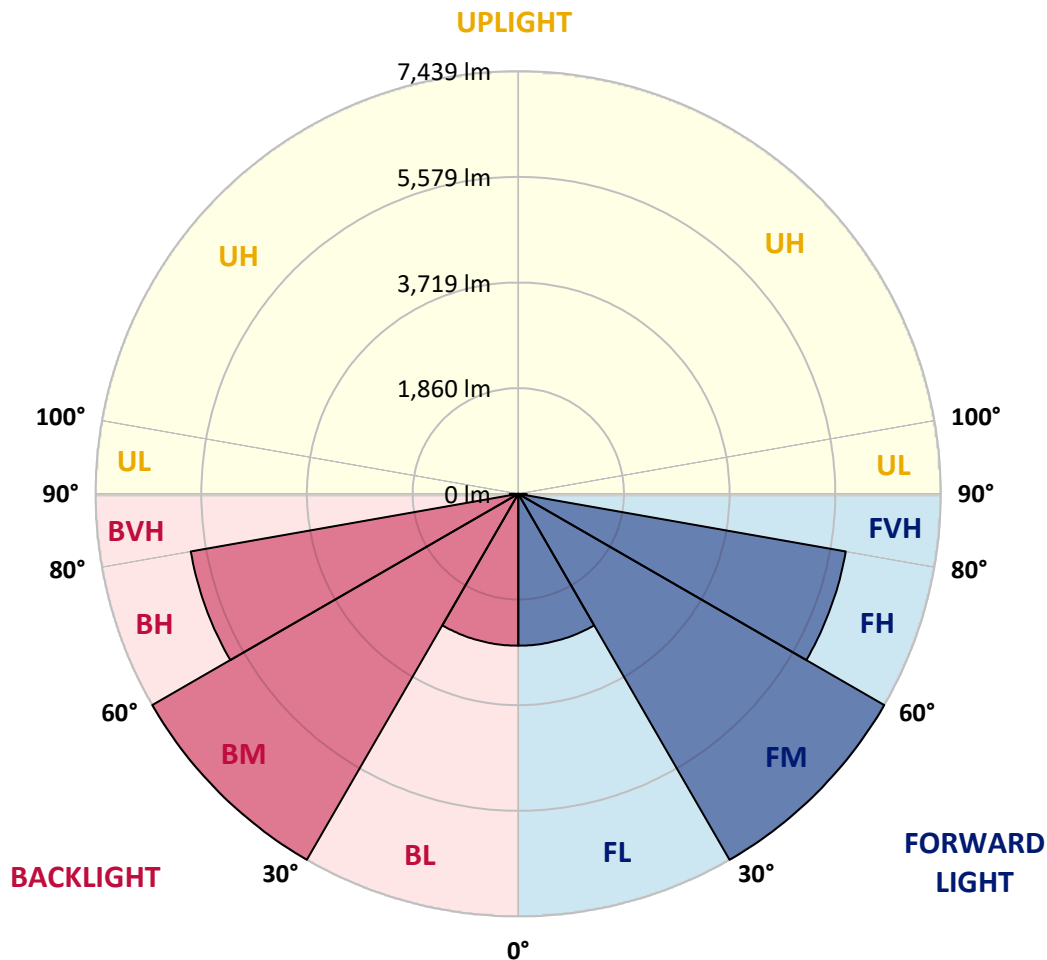


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2673.1	8.3			
FM (30°-60°)	7438.7	23.1			
FH (60°-80°)	5854.0	18.2			G3/7500
FVH (80°-90°)	147.8	0.5			G2/225
BL (0°-30°)	2673.1	8.3	B4/5000		
BM (30°-60°)	7438.7	23.1	B4/8500		
BH (60°-80°)	5854.0	18.2	B5		G5
BVH (80°-90°)	147.8	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°	6022.0	6022.0	6022.0	6022.0	6022.0	6022.0	6022.0	6022.0	6022.0	6022.0
2.5°	6027.1	6033.9	6033.9	6028.8	6040.8	6030.5	6030.5	6025.4	6030.5	6025.4
5°	6057.9	6066.5	6069.9	6068.2	6083.6	6075.0	6075.0	6068.2	6069.9	6064.8
7.5°	6116.2	6128.1	6135.0	6143.6	6165.8	6155.5	6148.7	6128.1	6119.6	6105.9
10°	6135.0	6148.7	6171.0	6215.5	6266.9	6268.6	6248.0	6196.7	6157.3	6126.4
12.5°	6076.8	6095.6	6141.8	6232.6	6347.4	6393.6	6361.1	6275.4	6198.4	6143.6
15°	6003.1	6023.7	6093.9	6230.9	6400.5	6508.4	6504.9	6391.9	6268.6	6183.0
17.5°	5888.4	5908.9	6010.0	6201.8	6441.6	6619.7	6667.7	6551.2	6378.2	6263.4
20°	5681.1	5700.0	5840.4	6109.3	6455.3	6737.9	6862.9	6760.1	6544.3	6388.5
22.5°	5412.2	5441.3	5605.8	5950.0	6422.7	6861.2	7085.6	7015.3	6737.9	6522.1
25°	5124.5	5155.3	5347.1	5754.8	6338.8	6950.3	7349.3	7304.8	6957.1	6688.2
27.5°	4876.1	4908.7	5117.6	5561.2	6208.6	6984.5	7609.7	7631.9	7222.6	6871.5
30°	4680.9	4711.7	4934.4	5405.4	6040.8	6950.3	7837.4	7991.6	7493.2	7030.8
32.5°	4466.8	4506.2	4740.8	5215.3	5842.1	6868.0	8036.1	8380.4	7806.6	7202.0
35°	4196.2	4232.2	4478.8	4954.9	5581.8	6736.2	8202.3	8812.0	8255.4	7462.4
37.5°	3867.3	3901.6	4146.5	4629.5	5323.2	6551.2	8329.0	9298.4	8789.7	7837.4
40°	3536.8	3569.3	3798.8	4266.4	5013.2	6314.8	8373.5	9774.5	9402.9	8353.0
42.5°	3233.6	3262.7	3473.4	3908.4	4665.5	6013.4	8315.3	10189.0	9952.7	8712.7
45°	2954.5	2980.1	3166.8	3572.8	4304.1	5646.9	8140.6	10634.3	10606.9	8969.6
47.5°	2635.9	2661.6	2855.1	3247.3	3942.7	5217.0	7844.3	11072.8	11516.4	9551.9
50°	2247.1	2269.4	2468.0	2872.2	3567.6	4759.7	7433.2	11417.1	12663.9	10433.9
52.5°	1786.4	1810.4	2003.9	2408.1	3122.3	4268.1	6892.0	11641.4	13989.6	11721.9
55°	1329.1	1346.2	1514.1	1877.2	2570.8	3708.1	6213.8	11704.8	15493.3	13482.6
57.5°	964.3	974.5	1082.4	1353.1	1949.1	3007.6	5390.0	11540.4	17283.1	15740.0
60°	781.0	784.4	817.0	936.9	1354.8	2216.3	4394.9	10975.2	19225.4	18649.9
62.5°	709.1	709.1	717.6	750.2	916.3	1462.7	3190.8	9803.7	21308.1	22327.1
65°	659.4	659.4	662.8	678.2	722.8	931.7	2014.2	7895.7	23063.6	26634.6
67.5°	614.9	616.6	614.9	620.0	645.7	688.5	1168.1	5453.3	24009.0	31098.0
70°	568.6	572.1	563.5	563.5	584.0	585.8	731.3	2990.4	23224.6	34838.6
72.5°	513.8	519.0	505.3	501.8	517.2	510.4	549.8	1435.3	19939.6	35955.3
75°	465.9	472.7	441.9	433.3	433.3	428.2	447.0	736.5	12941.4	29330.5
77.5°	423.0	436.7	387.1	359.7	352.8	337.4	364.8	450.4	5660.6	13770.3
80°	349.4	368.2	318.6	286.0	274.0	256.9	287.7	315.1	1683.6	3197.7
82.5°	260.3	268.9	226.1	203.8	193.5	181.5	215.8	219.2	548.1	1132.1
85°	166.1	169.6	138.7	119.9	114.8	109.6	137.0	119.9	209.0	832.4
87.5°	58.2	66.8	53.1	48.0	51.4	42.8	63.4	36.0	58.2	587.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6022.0  
6025.4  
6064.8  
6105.9  
6121.3  
6135.0  
6169.2  
6244.6  
6359.4  
6482.7  
6633.4  
6813.2  
6946.8  
7095.8  
7344.2  
7679.9  
8185.1  
8496.8  
8678.4  
9216.2  
10012.6  
11203.0  
12833.5  
14923.0  
17620.6  
20948.4  
24891.1  
29215.7  
34343.6  
37257.0  
31372.1  
13484.3  
3062.4  
1279.4  
1209.2  
727.9  
0.0

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