

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: P851711

Luminaire Tested: **GLAN-SB9D-827-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851711  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9D-827-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 74751 lumens  
Efficiency: N/A  
Efficacy: 113.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

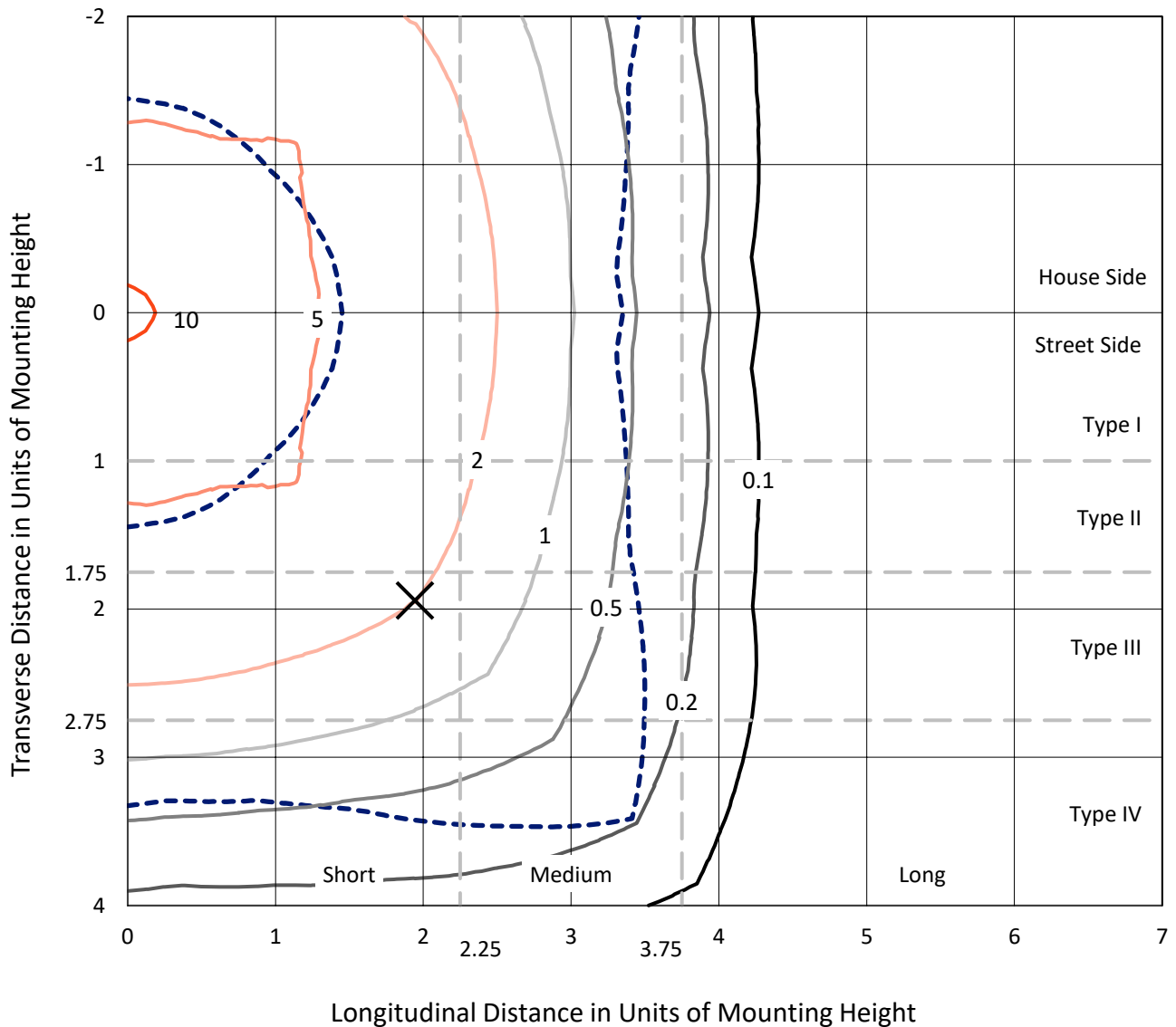
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

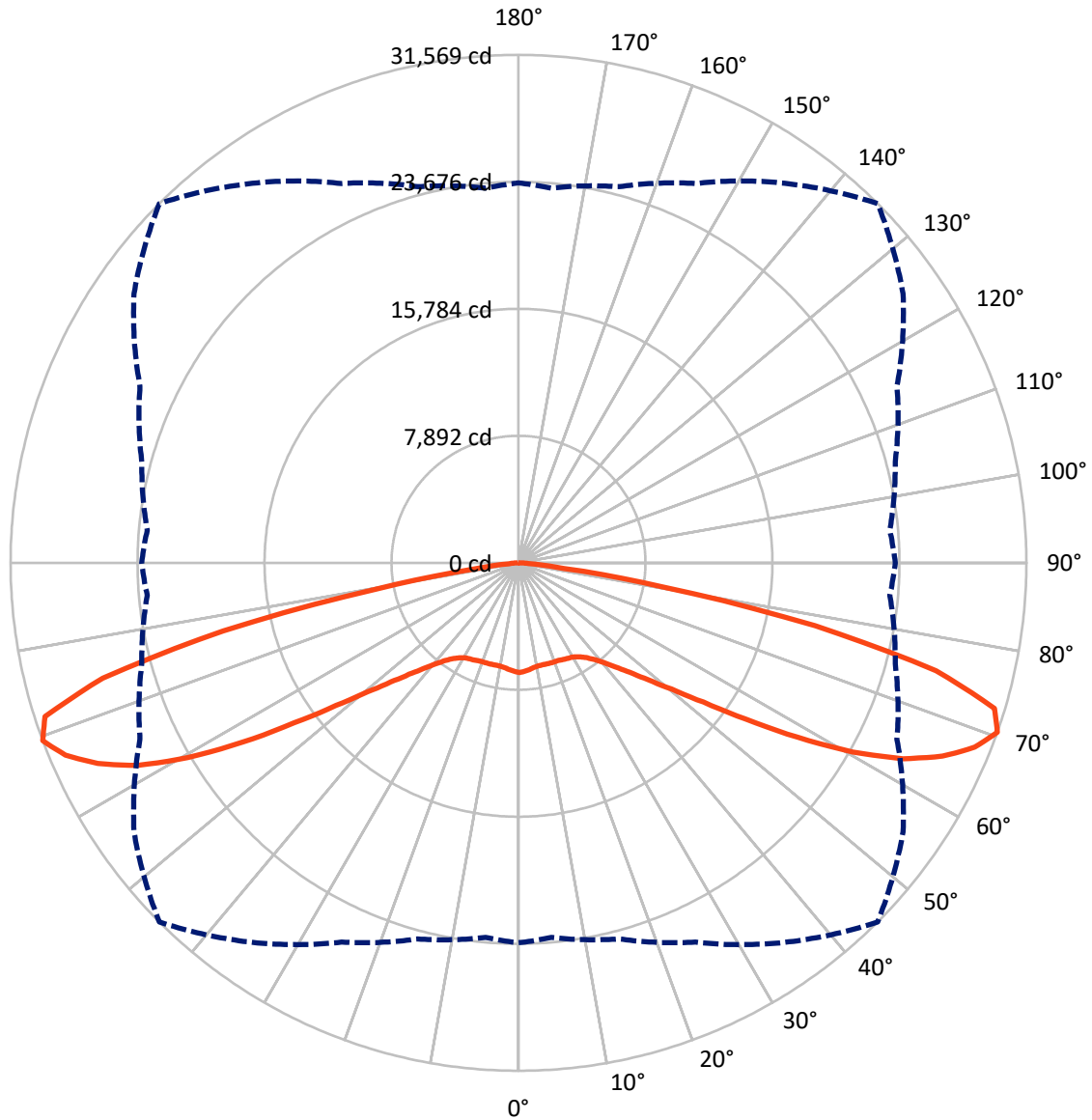
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	37375.5	0.0	37375.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	37375.5	0.0	37375.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	74751.0	0.0	74751.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	634.3	0.8
10°-20°	1862.5	2.5
20°-30°	3099.4	4.1
30°-40°	4687.3	6.3
40°-50°	7789.2	10.4
50°-60°	14697.9	19.7
60°-70°	24818.0	33.2
70°-80°	16308.0	21.8
80°-90°	854.4	1.1
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°	74751.0	100.0
0°-180°	74751.0	100.0

**Coefficient of Utilization**



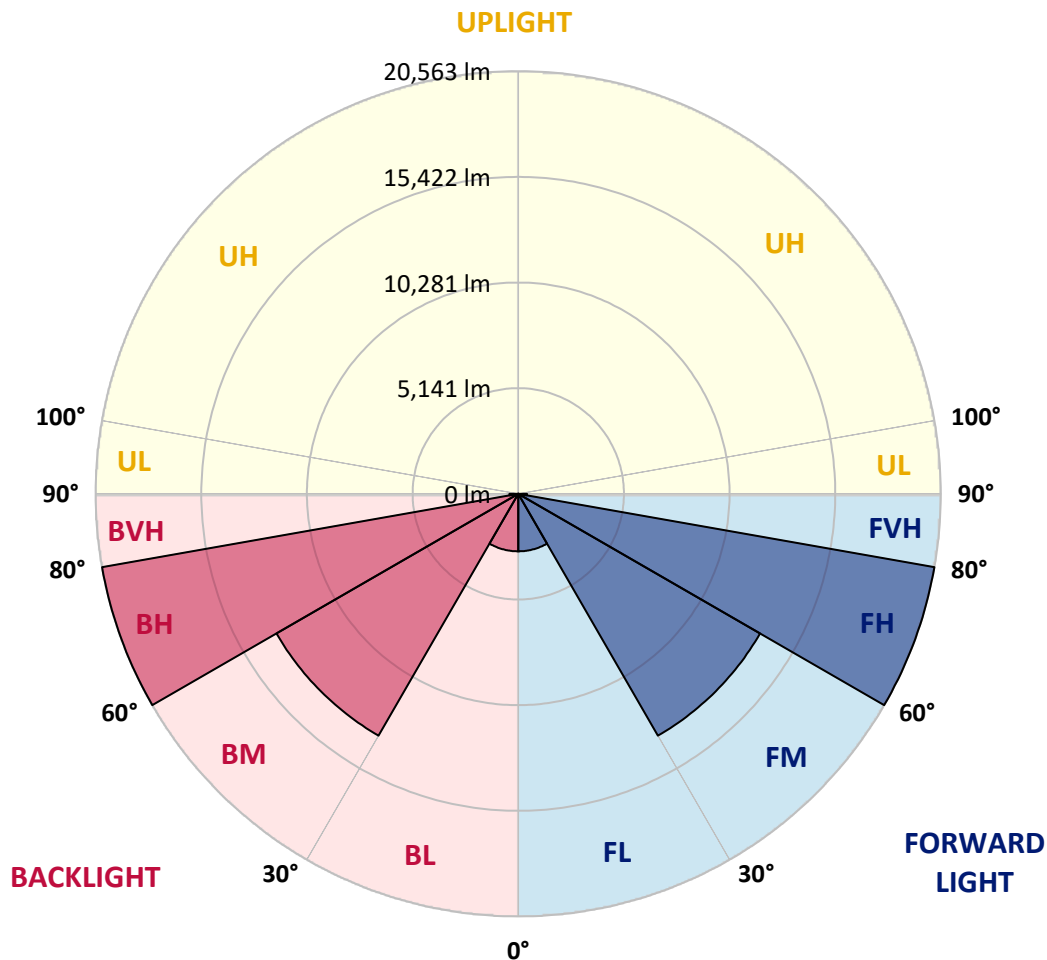
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2798.1	3.7			
FM (30°-60°)	13587.2	18.2			
FH (60°-80°)	20563.0	27.5			G5
FVH (80°-90°)	427.2	0.6			G3/500
BL (0°-30°)	2798.1	3.7	B4/5000		
BM (30°-60°)	13587.2	18.2	B5		
BH (60°-80°)	20563.0	27.5	B5		G5
BVH (80°-90°)	427.2	0.6			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 V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6818.8	6818.8	6818.8	6818.8	6818.8	6818.8	6818.8	6818.8	6818.8	6818.8
2.5°	6776.1	6795.5	6787.7	6772.2	6772.2	6760.5	6772.2	6779.9	6791.6	6799.4
5°	6686.7	6702.2	6698.4	6686.7	6690.6	6678.9	6686.7	6698.4	6706.1	6710.0
7.5°	6609.0	6624.5	6616.8	6597.3	6597.3	6585.7	6589.6	6601.2	6612.9	6616.8
10°	6589.6	6605.1	6581.8	6550.7	6539.1	6523.5	6527.4	6539.1	6562.4	6574.0
12.5°	6597.3	6609.0	6585.7	6539.1	6527.4	6511.9	6511.9	6523.5	6554.6	6570.1
15°	6620.6	6632.3	6597.3	6546.8	6535.2	6523.5	6519.6	6535.2	6570.1	6597.3
17.5°	6663.4	6675.0	6620.6	6550.7	6535.2	6539.1	6535.2	6546.8	6601.2	6651.7
20°	6702.2	6710.0	6636.2	6550.7	6535.2	6539.1	6535.2	6558.5	6628.4	6698.4
22.5°	6713.9	6721.7	6651.7	6577.9	6566.2	6570.1	6566.2	6589.6	6655.6	6725.5
25°	6717.8	6729.4	6675.0	6616.8	6636.2	6644.0	6636.2	6640.1	6690.6	6752.7
27.5°	6776.1	6791.6	6741.1	6690.6	6702.2	6698.4	6710.0	6721.7	6760.5	6822.7
30°	6896.5	6908.2	6865.4	6814.9	6807.1	6779.9	6814.9	6853.8	6896.5	6950.9
32.5°	7094.7	7118.0	7063.6	7009.2	6974.2	6958.7	6985.9	7051.9	7110.2	7168.5
35°	7424.9	7440.5	7389.9	7288.9	7226.8	7226.8	7250.1	7335.5	7428.8	7502.6
37.5°	7891.2	7910.6	7821.2	7700.8	7607.5	7607.5	7638.6	7728.0	7867.8	7972.7
40°	8458.4	8485.6	8372.9	8248.6	8159.2	8143.7	8182.6	8283.6	8415.7	8547.8
42.5°	9142.2	9173.3	9025.7	8916.9	8847.0	8847.0	8866.4	8959.6	9080.1	9243.3
45°	10016.4	10070.8	9868.8	9760.0	9694.0	9709.5	9721.2	9802.7	9911.5	10098.0
47.5°	11057.7	11112.1	10898.4	10785.7	10774.1	10847.9	10801.3	10859.6	10917.8	11131.5
50°	12238.9	12332.1	12184.5	12176.7	12200.0	12336.0	12227.2	12258.3	12192.2	12328.2
52.5°	13684.2	13820.2	13793.0	13839.6	14099.9	14379.7	14131.0	14022.2	13773.6	13816.3
55°	15436.5	15642.4	15681.3	15961.0	16551.6	17122.8	16594.3	16155.3	15626.9	15529.8
57.5°	17429.7	17592.9	17779.4	18350.5	19454.0	20468.0	19454.0	18482.6	17651.2	17453.0
60°	19574.4	19776.5	19955.2	20798.3	22437.9	23863.8	22406.8	20864.4	19764.8	19496.7
62.5°	21878.4	22138.7	22263.1	23199.4	25111.0	26812.8	25138.2	23269.4	22049.4	21761.9
65°	24089.2	24302.9	24442.8	25441.3	27267.4	28973.1	27391.7	25550.1	24295.1	23918.2
67.5°	25118.8	25235.4	25577.3	26707.9	28635.1	30581.6	28961.4	26828.4	25425.8	24765.2
70°	23611.3	23374.3	24198.0	26008.6	28798.2	31568.5	29171.2	25954.2	24236.8	23164.5
72.5°	18245.6	17837.7	19267.5	22364.1	26933.3	30939.1	27119.8	22538.9	20157.2	17981.4
75°	9927.1	9464.7	11438.5	15354.9	21478.2	26816.7	21971.7	15794.0	12736.2	9853.3
77.5°	2801.3	2626.5	4219.5	7428.8	12918.8	18828.4	13416.1	7592.0	5004.3	2968.4
80°	858.7	831.5	1126.8	2238.0	5486.1	9017.9	5272.4	2265.2	1433.7	905.3
82.5°	509.0	466.2	559.5	815.9	1398.7	2832.4	1359.9	850.9	683.8	458.5
85°	291.4	272.0	330.3	396.3	470.1	602.2	392.4	404.1	365.2	244.8
87.5°	120.4	108.8	128.2	124.3	108.8	139.9	104.9	124.3	147.6	97.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6818.8
6795.5
6710.0
6616.8
6574.0
6574.0
6601.2
6651.7
6702.2
6725.5
6748.9
6807.1
6939.2
7145.2
7475.4
7933.9
8505.0
9231.6
10090.3
11069.4
12246.6
13672.6
15378.2
17313.1
19263.6
21528.7
23731.7
24773.0
23420.9
18521.5
10494.3
3298.7
955.8
497.3
256.4
89.4
0.0

OF REPORT)