

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: P851334

Luminaire Tested: **GLAN-SB9B-735-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851334  
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-SB9B-735-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 49791 lumens  
Efficiency: N/A  
Efficacy: 151.1 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

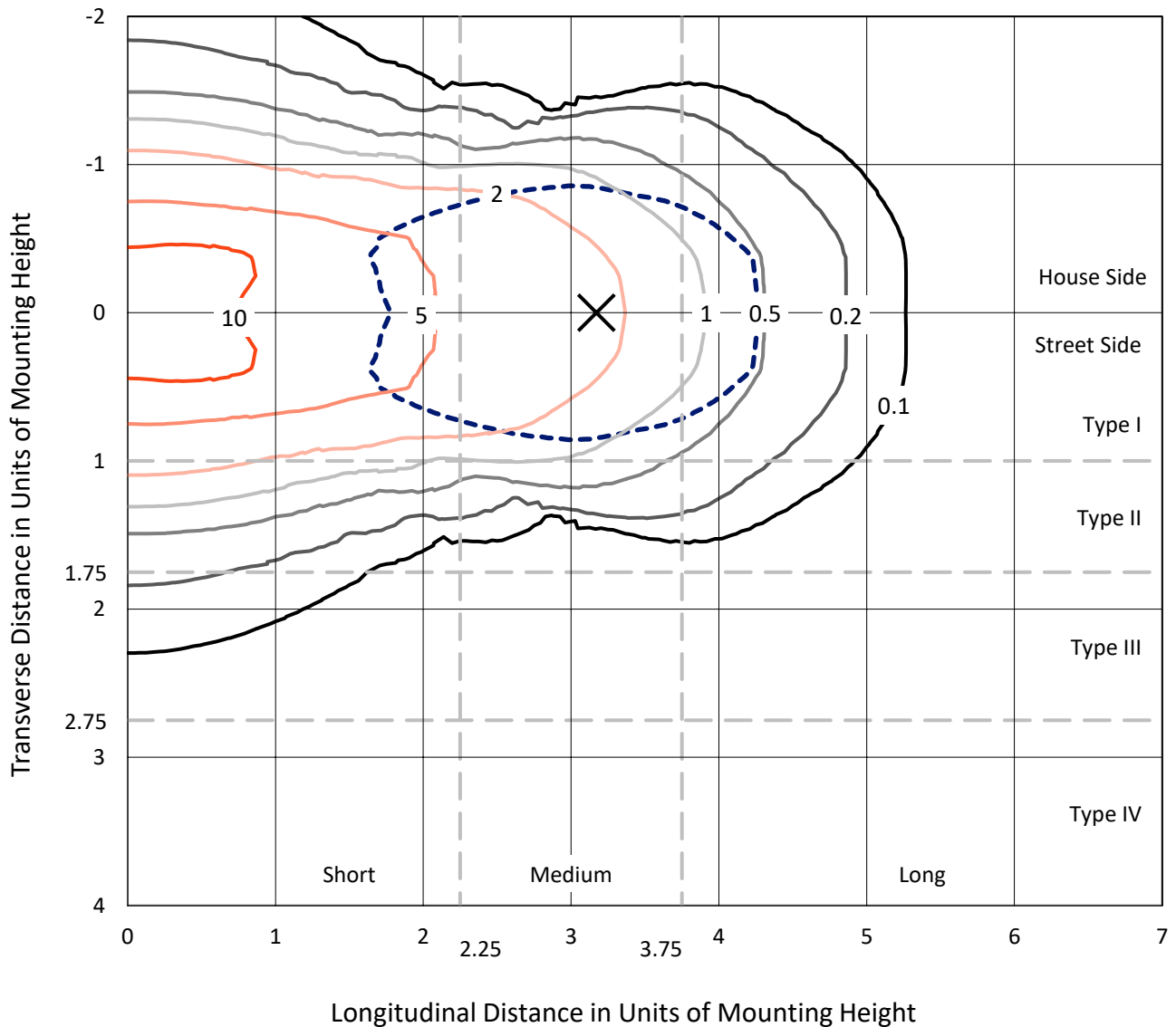
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

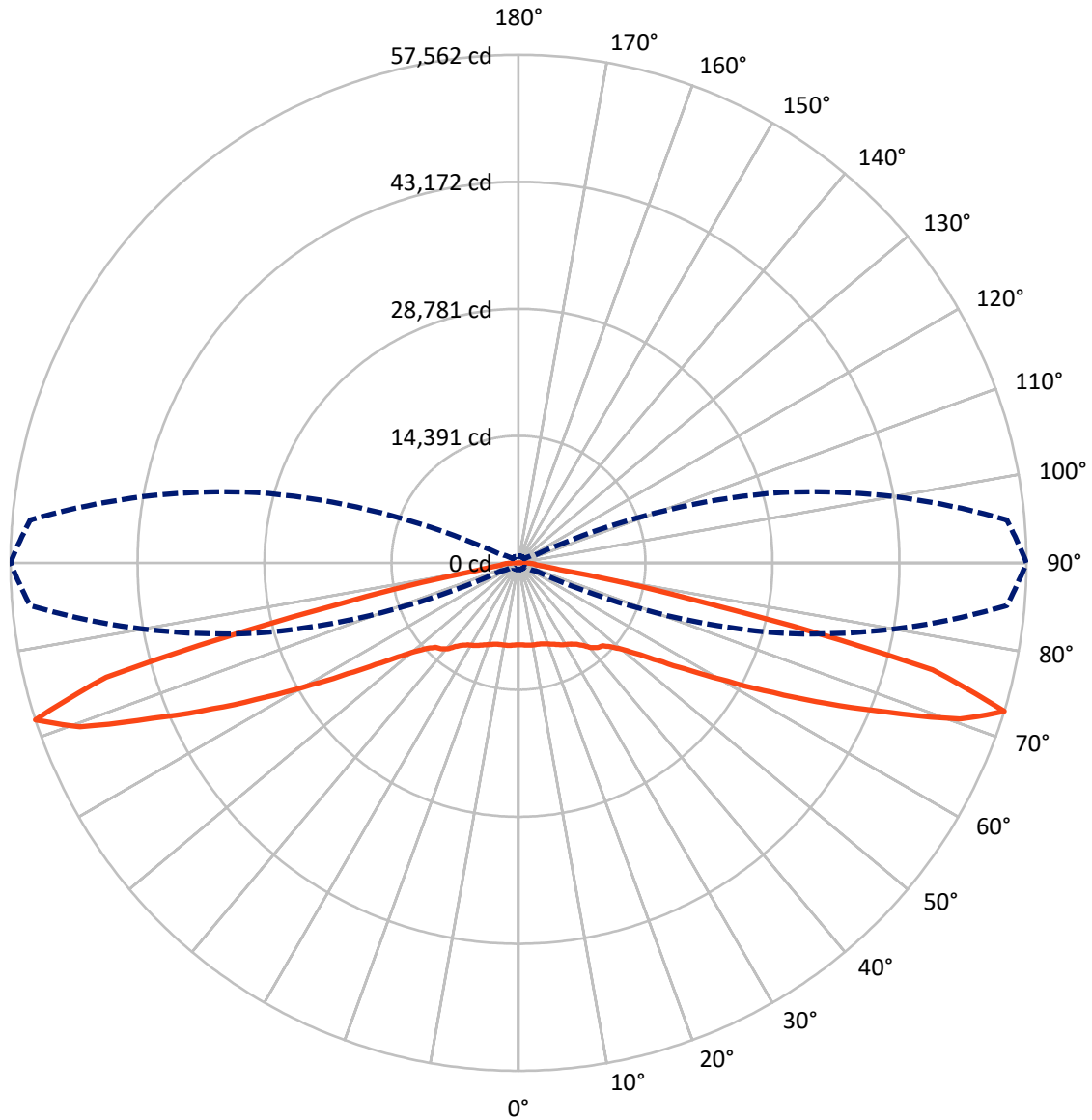
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.9 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	24895.5	0.0	24895.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	24895.5	0.0	24895.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	49791.0	0.0	49791.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	902.1	1.8
10°-20°	2758.4	5.5
20°-30°	4599.3	9.2
30°-40°	6325.5	12.7
40°-50°	7725.2	15.5
50°-60°	8935.0	17.9
60°-70°	10653.5	21.4
70°-80°	7435.4	14.9
80°-90°	456.7	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°	49791.0	100.0
0°-180°	49791.0	100.0

**Coefficient of Utilization**

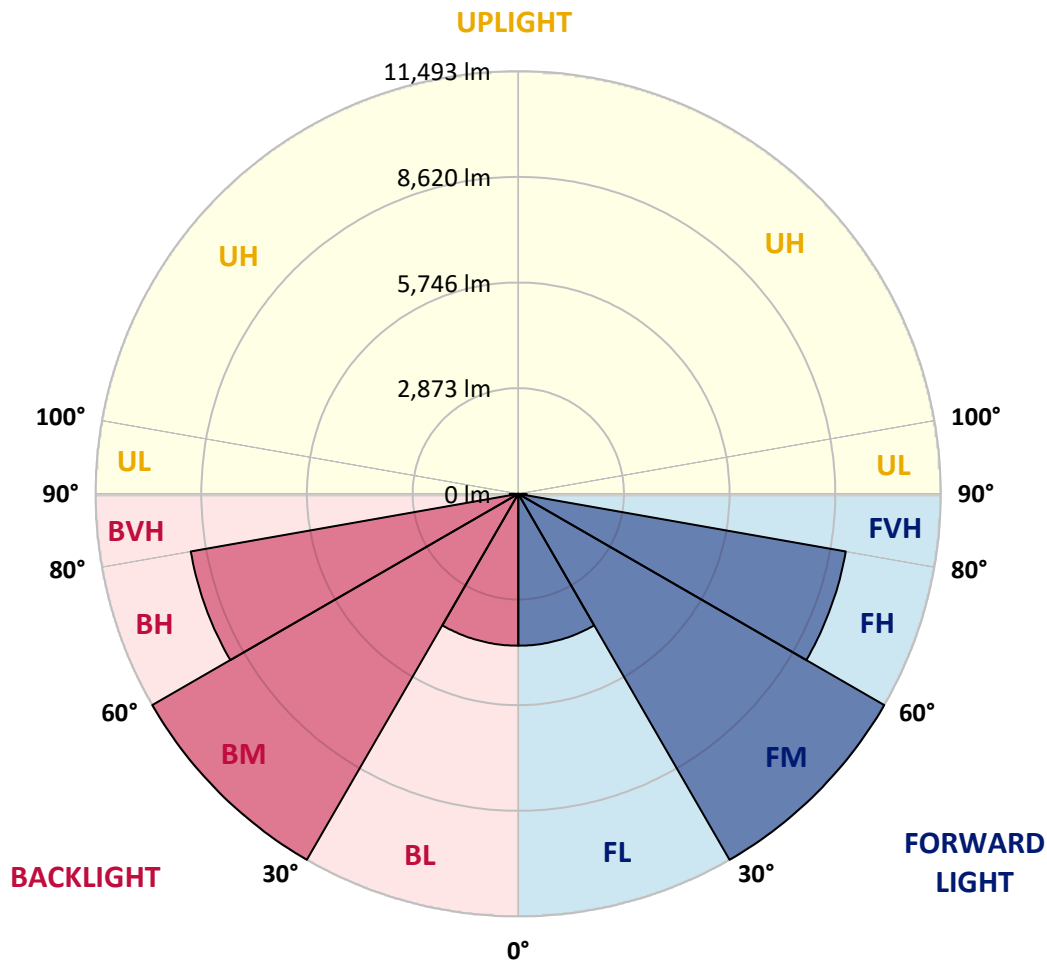


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4129.9	8.3			
FM (30°-60°)	11492.8	23.1			
FH (60°-80°)	9044.4	18.2			G4/12000
FVH (80°-90°)	228.3	0.5			G3/500
BL (0°-30°)	4129.9	8.3	B4/5000		
BM (30°-60°)	11492.8	23.1	B5		
BH (60°-80°)	9044.4	18.2	B5		G5
BVH (80°-90°)	228.3	0.5			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 I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9304.0	9304.0	9304.0	9304.0	9304.0	9304.0	9304.0	9304.0	9304.0	9304.0
2.5°	9311.9	9322.5	9322.5	9314.6	9333.1	9317.2	9317.2	9309.3	9317.2	9309.3
5°	9359.5	9372.8	9378.1	9375.4	9399.2	9386.0	9386.0	9375.4	9378.1	9370.1
7.5°	9449.5	9468.0	9478.6	9491.9	9526.3	9510.4	9499.8	9468.0	9454.8	9433.6
10°	9478.6	9499.8	9534.2	9603.0	9682.4	9685.0	9653.3	9573.9	9513.0	9465.4
12.5°	9388.7	9417.8	9489.2	9629.5	9806.7	9878.2	9827.9	9695.6	9576.5	9491.9
15°	9274.9	9306.6	9415.1	9626.8	9888.8	10055.5	10050.2	9875.5	9685.0	9552.7
17.5°	9097.6	9129.3	9285.5	9581.8	9952.3	10227.5	10301.6	10121.6	9854.4	9677.1
20°	8777.4	8806.5	9023.5	9438.9	9973.5	10410.1	10603.2	10444.5	10111.1	9870.3
22.5°	8361.9	8406.9	8661.0	9192.8	9923.2	10600.6	10947.3	10838.8	10410.1	10076.7
25°	7917.4	7965.0	8261.4	8891.2	9793.5	10738.2	11354.8	11286.0	10748.8	10333.3
27.5°	7533.7	7584.0	7906.8	8592.2	9592.4	10791.1	11757.0	11791.4	11158.9	10616.5
30°	7232.0	7279.6	7623.6	8351.3	9333.1	10738.2	12108.9	12347.1	11577.0	10862.6
32.5°	6901.2	6962.1	7324.6	8057.6	9026.1	10611.2	12415.9	12947.8	12061.3	11127.2
35°	6483.1	6538.7	6919.8	7655.4	8623.9	10407.4	12672.6	13614.6	12754.6	11529.4
37.5°	5975.1	6028.0	6406.4	7152.6	8224.3	10121.6	12868.4	14366.1	13580.2	12108.9
40°	5464.4	5514.6	5869.2	6591.6	7745.4	9756.5	12937.2	15101.8	14527.5	12905.4
42.5°	4996.0	5041.0	5366.5	6038.6	7208.2	9290.7	12847.2	15742.1	15377.0	13461.1
45°	4564.7	4604.4	4892.8	5519.9	6649.9	8724.5	12577.3	16430.1	16387.8	13858.1
47.5°	4072.5	4112.2	4411.2	5017.2	6091.5	8060.3	12119.5	17107.6	17792.9	14757.8
50°	3471.8	3506.2	3813.1	4437.6	5512.0	7353.7	11484.4	17639.4	19565.9	16120.5
52.5°	2760.0	2797.0	3096.0	3720.5	4824.0	6594.3	10648.2	17986.1	21614.0	18110.5
55°	2053.4	2079.9	2339.2	2900.2	3971.9	5729.0	9600.3	18084.0	23937.4	20830.7
57.5°	1489.8	1505.7	1672.4	2090.5	3011.4	4646.7	8327.5	17830.0	26702.6	24318.4
60°	1206.7	1212.0	1262.2	1447.5	2093.1	3424.2	6790.1	16956.7	29703.4	28814.3
62.5°	1095.5	1095.5	1108.8	1159.0	1415.7	2259.8	4929.8	15146.7	32921.1	34495.6
65°	1018.8	1018.8	1024.1	1047.9	1116.7	1439.5	3111.9	12198.9	35633.5	41150.8
67.5°	950.0	952.6	950.0	957.9	997.6	1063.8	1804.7	8425.4	37094.2	48046.7
70°	878.5	883.8	870.6	870.6	902.3	905.0	1129.9	4620.2	35882.2	53826.0
72.5°	793.9	801.8	780.6	775.3	799.1	788.6	849.4	2217.5	30806.8	55551.3
75°	719.8	730.3	682.7	669.5	669.5	661.5	690.7	1137.9	19994.5	45315.9
77.5°	653.6	674.8	598.0	555.7	545.1	521.3	563.6	695.9	8745.6	21275.3
80°	539.8	568.9	492.2	441.9	423.4	396.9	444.6	486.9	2601.2	4940.4
82.5°	402.2	415.5	349.3	314.9	299.0	280.5	333.4	338.7	846.8	1749.1
85°	256.7	262.0	214.3	185.2	177.3	169.4	211.7	185.2	322.8	1286.0
87.5°	90.0	103.2	82.0	74.1	79.4	66.2	97.9	55.6	90.0	907.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

9304.0  
9309.3  
9370.1  
9433.6  
9457.5  
9478.6  
9531.5  
9648.0  
9825.3  
10015.8  
10248.7  
10526.5  
10732.9  
10963.1  
11346.8  
11865.5  
12646.1  
13127.7  
13408.2  
14239.1  
15469.6  
17308.7  
19827.8  
23056.2  
27223.9  
32365.4  
38457.0  
45138.6  
53061.2  
57562.4  
48470.1  
20833.4  
4731.4  
1976.7  
1868.2  
1124.6  
0.0

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