

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: P850744

Luminaire Tested: **GLAN-SB8B-927-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850744  
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-SB8B-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29008 lumens  
Efficiency: N/A  
Efficacy: 99.1 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

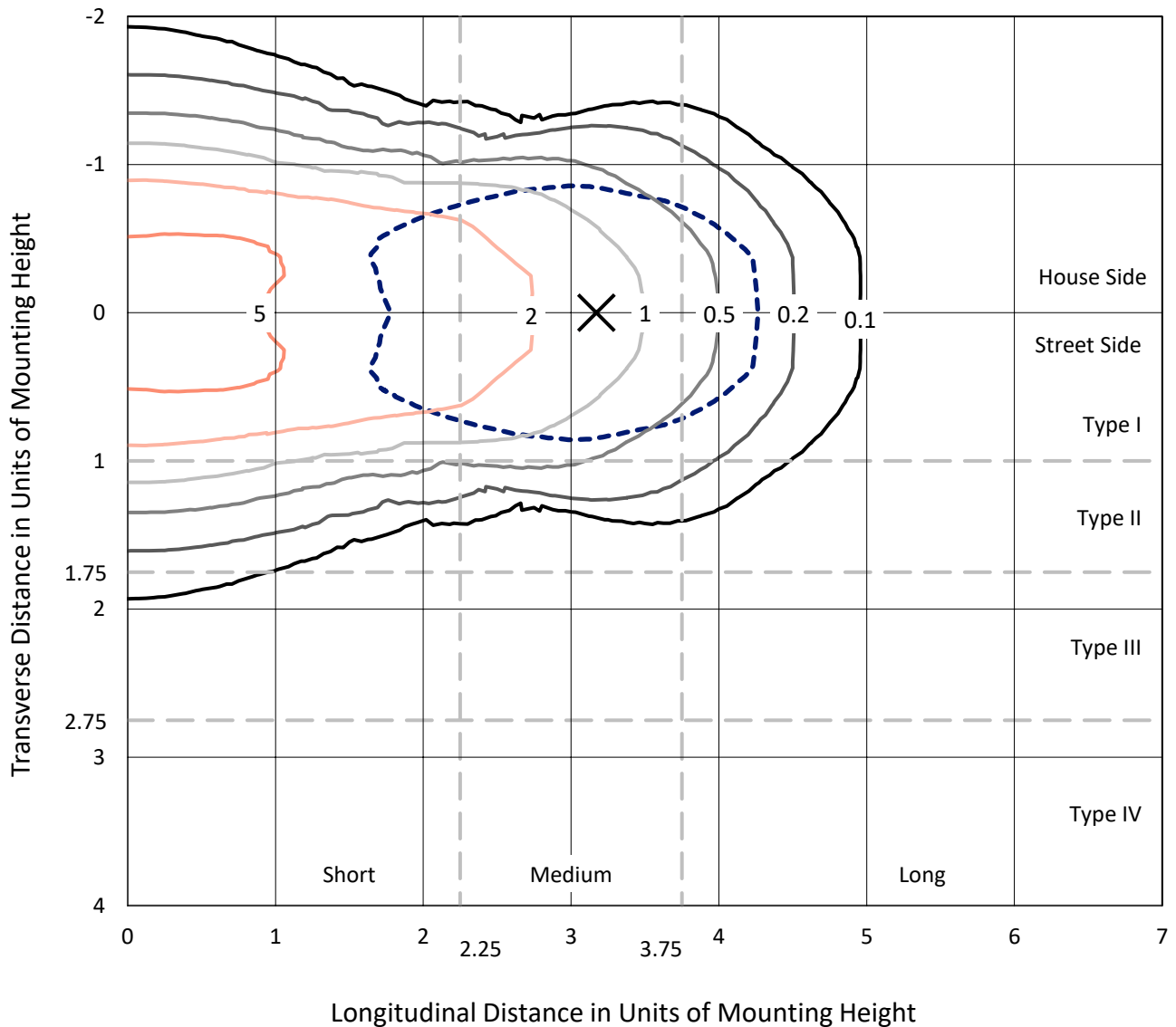
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

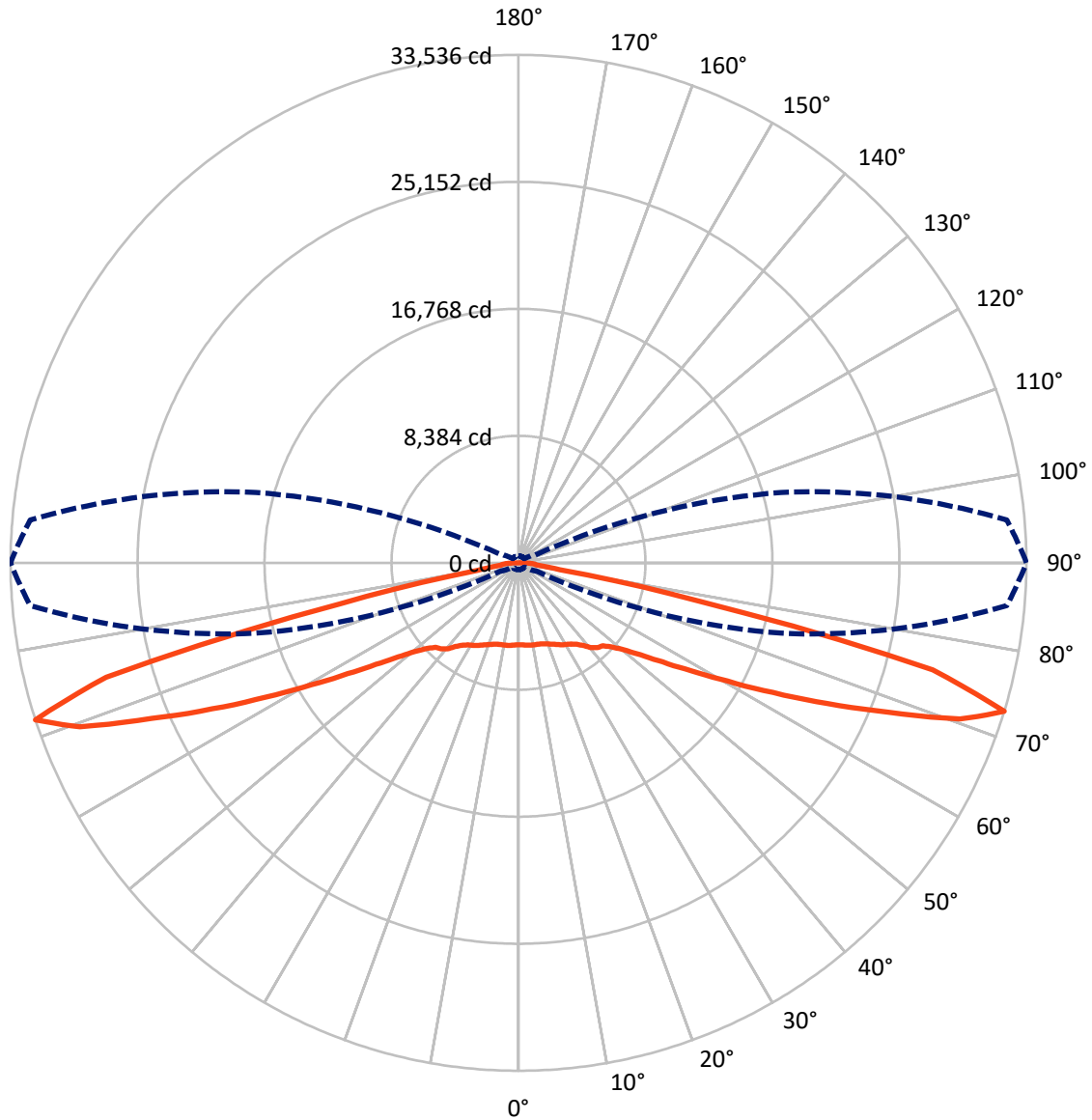
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 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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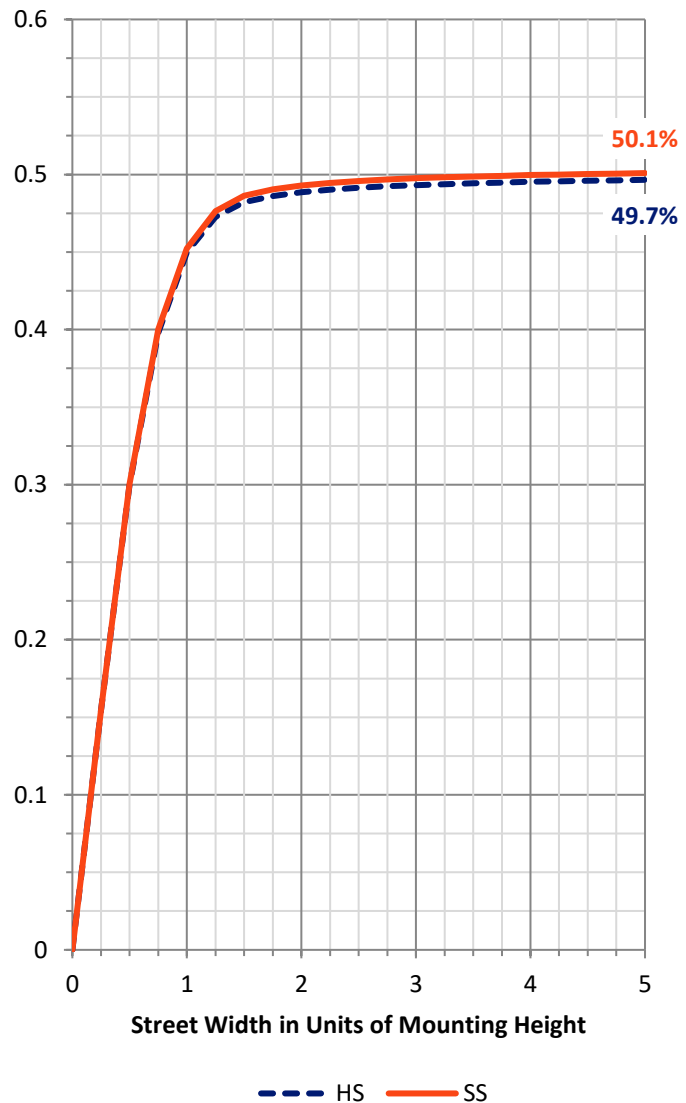
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14504.0	0.0	14504.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14504.0	0.0	14504.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29008.0	0.0	29008.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	525.6	1.8
10°-20°	1607.0	5.5
20°-30°	2679.5	9.2
30°-40°	3685.2	12.7
40°-50°	4500.6	15.5
50°-60°	5205.5	17.9
60°-70°	6206.7	21.4
70°-80°	4331.8	14.9
80°-90°	266.1	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°	29008.0	100.0
0°-180°	29008.0	100.0

**Coefficient of Utilization**

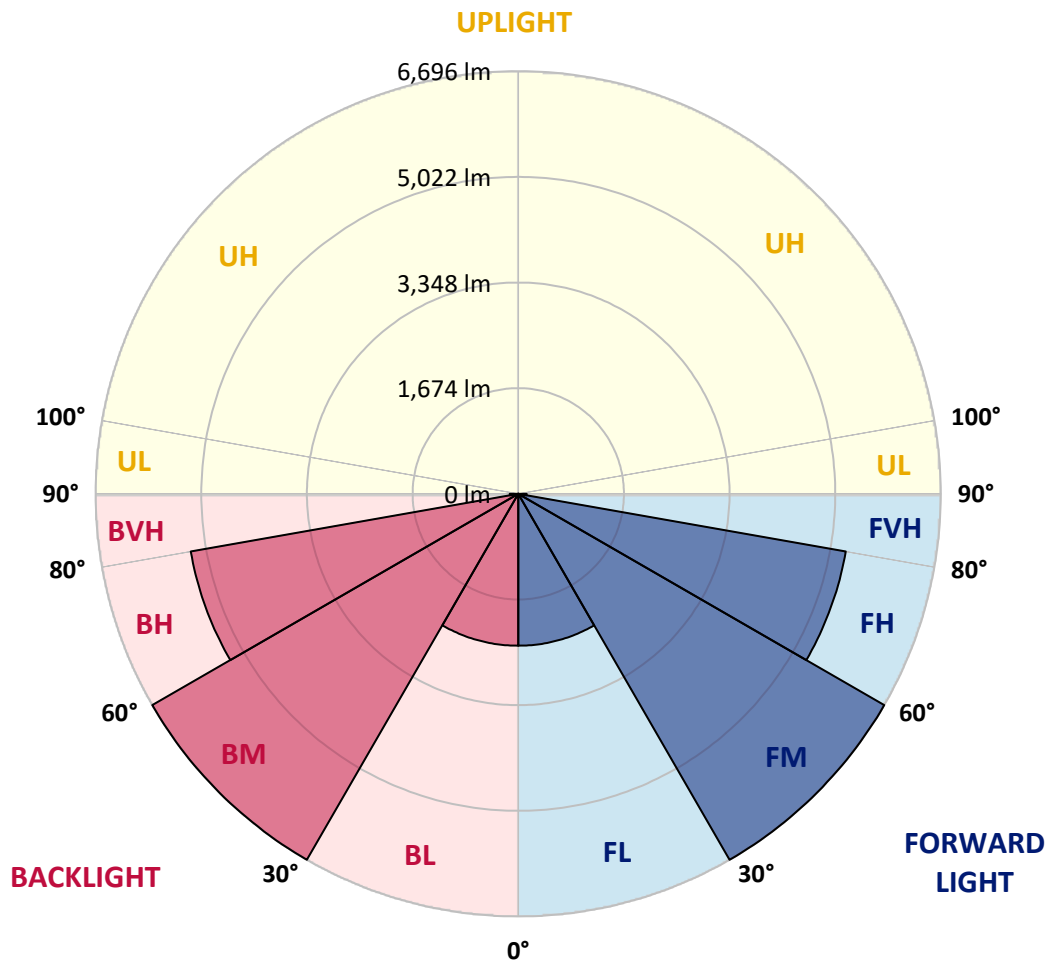


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2406.1	8.3			
FM (30°-60°)	6695.7	23.1			
FH (60°-80°)	5269.3	18.2			G3/7500
FVH (80°-90°)	133.0	0.5			G2/225
BL (0°-30°)	2406.1	8.3	B3/2500		
BM (30°-60°)	6695.7	23.1	B4/8500		
BH (60°-80°)	5269.3	18.2	B5		G5
BVH (80°-90°)	133.0	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°	5420.5	5420.5	5420.5	5420.5	5420.5	5420.5	5420.5	5420.5	5420.5	5420.5
2.5°	5425.1	5431.2	5431.2	5426.6	5437.4	5428.2	5428.2	5423.5	5428.2	5423.5
5°	5452.8	5460.5	5463.6	5462.1	5476.0	5468.2	5468.2	5462.1	5463.6	5459.0
7.5°	5505.2	5516.0	5522.2	5529.9	5549.9	5540.7	5534.5	5516.0	5508.3	5496.0
10°	5522.2	5534.5	5554.6	5594.7	5640.9	5642.4	5623.9	5577.7	5542.2	5514.5
12.5°	5469.8	5486.7	5528.4	5610.1	5713.4	5755.0	5725.7	5648.6	5579.2	5529.9
15°	5403.5	5422.0	5485.2	5608.5	5761.2	5858.3	5855.2	5753.4	5642.4	5565.4
17.5°	5300.2	5318.7	5409.7	5582.3	5798.2	5958.5	6001.7	5896.8	5741.1	5637.8
20°	5113.7	5130.6	5257.0	5499.1	5810.5	6064.9	6177.4	6084.9	5890.7	5750.4
22.5°	4871.6	4897.8	5045.8	5355.7	5781.2	6175.9	6377.8	6314.6	6064.9	5870.6
25°	4612.6	4640.4	4813.0	5180.0	5705.7	6256.0	6615.2	6575.1	6262.2	6020.2
27.5°	4389.1	4418.4	4606.5	5005.7	5588.5	6286.9	6849.6	6869.6	6501.1	6185.1
30°	4213.3	4241.1	4441.5	4865.5	5437.4	6256.0	7054.6	7193.4	6744.7	6328.5
32.5°	4020.6	4056.1	4267.3	4694.3	5258.6	6182.0	7233.4	7543.3	7026.9	6482.6
35°	3777.0	3809.4	4031.4	4460.0	5024.2	6063.3	7383.0	7931.8	7430.8	6717.0
37.5°	3481.1	3511.9	3732.3	4167.1	4791.5	5896.8	7497.1	8369.6	7911.8	7054.6
40°	3183.5	3212.8	3419.4	3840.3	4512.4	5684.1	7537.1	8798.2	8463.7	7518.6
42.5°	2910.6	2936.8	3126.5	3518.1	4199.5	5412.7	7484.7	9171.3	8958.5	7842.4
45°	2659.4	2682.5	2850.5	3215.9	3874.2	5082.8	7327.5	9572.1	9547.5	8073.6
47.5°	2372.6	2395.7	2569.9	2923.0	3548.9	4695.9	7060.8	9966.8	10366.1	8597.8
50°	2022.6	2042.7	2221.5	2585.4	3211.3	4284.3	6690.8	10276.7	11399.0	9391.7
52.5°	1607.9	1629.5	1803.7	2167.6	2810.4	3841.8	6203.6	10478.6	12592.2	10551.1
55°	1196.3	1211.7	1362.8	1689.7	2314.0	3337.7	5593.1	10535.7	13945.8	12135.9
57.5°	868.0	877.2	974.3	1217.9	1754.4	2707.1	4851.6	10387.7	15556.8	14167.8
60°	703.0	706.1	735.4	843.3	1219.4	1994.9	3955.9	9878.9	17305.1	16787.1
62.5°	638.2	638.2	646.0	675.2	824.8	1316.6	2872.1	8824.4	19179.7	20097.0
65°	593.5	593.5	596.6	610.5	650.6	838.7	1813.0	7107.0	20759.9	23974.2
67.5°	553.5	555.0	553.5	558.1	581.2	619.7	1051.4	4908.6	21610.9	27991.8
70°	511.8	514.9	507.2	507.2	525.7	527.2	658.3	2691.7	20904.8	31358.8
72.5°	462.5	467.1	454.8	451.7	465.6	459.4	494.9	1291.9	17947.9	32363.9
75°	419.3	425.5	397.7	390.0	390.0	385.4	402.4	662.9	11648.7	26400.8
77.5°	380.8	393.1	348.4	323.7	317.6	303.7	328.4	405.5	5095.2	12394.9
80°	314.5	331.5	286.7	257.5	246.7	231.2	259.0	283.7	1515.4	2878.3
82.5°	234.3	242.0	203.5	183.5	174.2	163.4	194.2	197.3	493.3	1019.0
85°	149.5	152.6	124.9	107.9	103.3	98.7	123.3	107.9	188.1	749.2
87.5°	52.4	60.1	47.8	43.2	46.2	38.5	57.0	32.4	52.4	528.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5420.5  
5423.5  
5459.0  
5496.0  
5509.9  
5522.2  
5553.0  
5620.9  
5724.2  
5835.2  
5970.8  
6132.7  
6252.9  
6387.1  
6610.6  
6912.8  
7367.6  
7648.1  
7811.6  
8295.6  
9012.5  
10084.0  
11551.6  
13432.4  
15860.5  
18856.0  
22404.8  
26297.5  
30913.2  
33535.6  
28238.5  
12137.4  
2756.5  
1151.6  
1088.4  
655.2  
0.0

OF REPORT)