

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: P851764

Luminaire Tested: **GLAN-SB9D-927-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851764  
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-SB9D-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 59048 lumens  
Efficiency: N/A  
Efficacy: 89.7 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

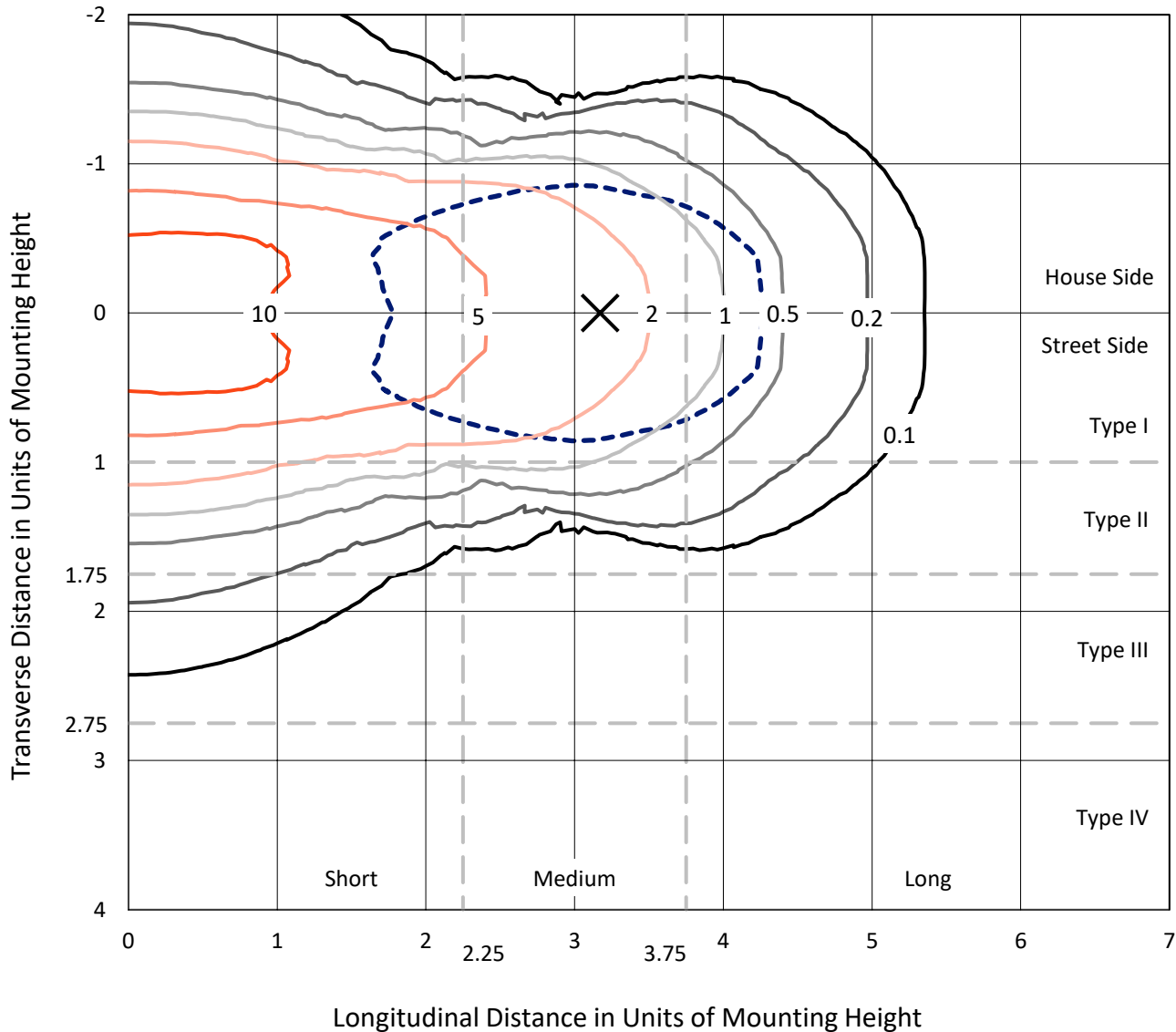
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

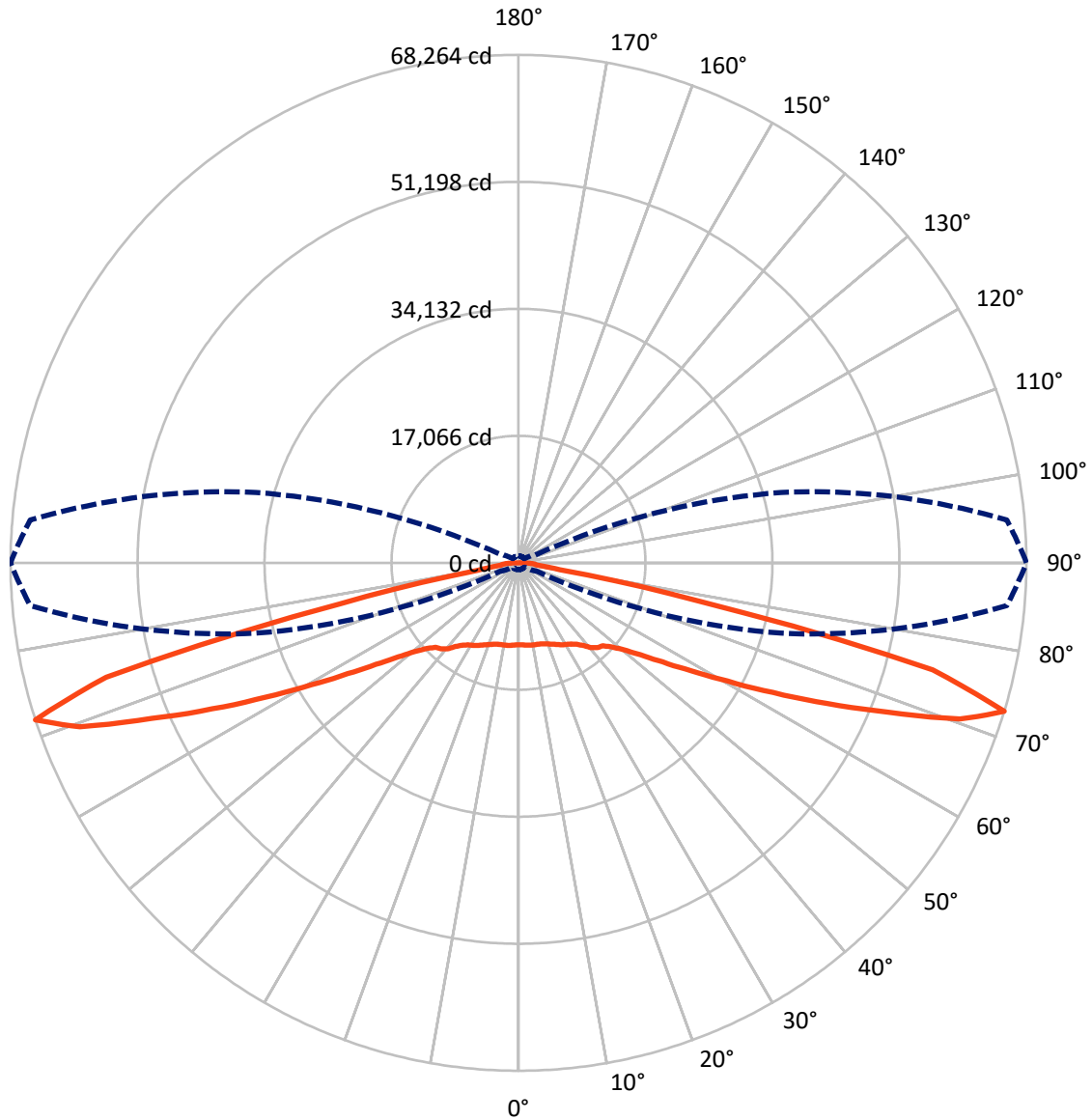
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.7 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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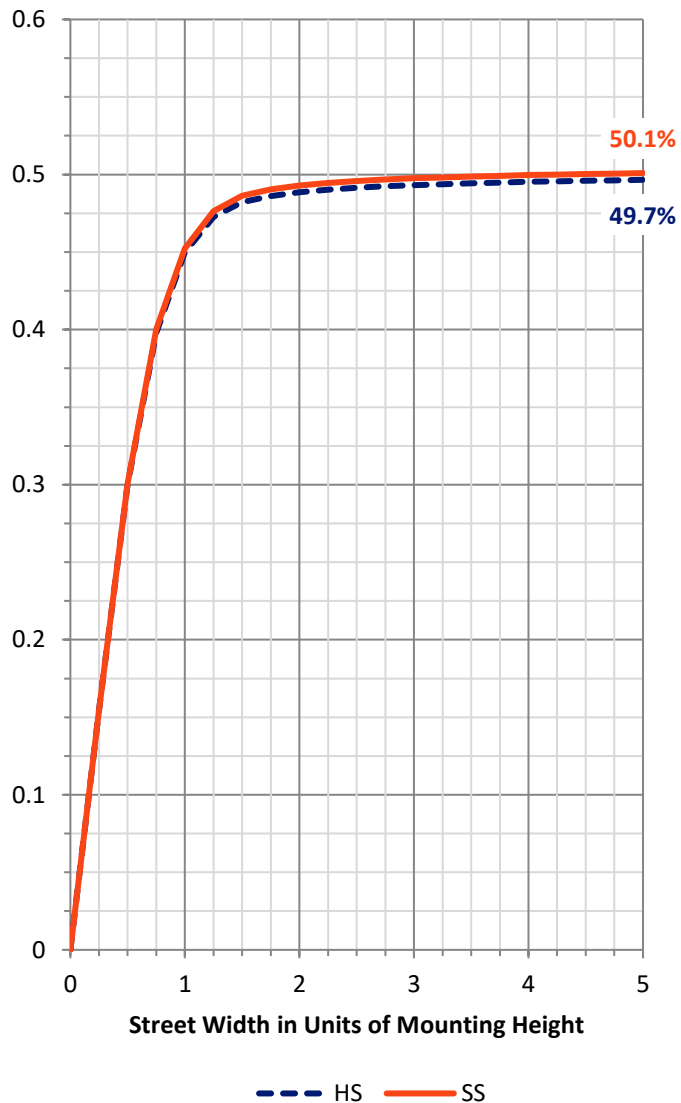
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	29524.0	0.0	29524.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	29524.0	0.0	29524.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	59048.0	0.0	59048.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1069.9	1.8
10°-20°	3271.2	5.5
20°-30°	5454.4	9.2
30°-40°	7501.5	12.7
40°-50°	9161.4	15.5
50°-60°	10596.1	17.9
60°-70°	12634.1	21.4
70°-80°	8817.8	14.9
80°-90°	541.6	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°	59048.0	100.0
0°-180°	59048.0	100.0

**Coefficient of Utilization**

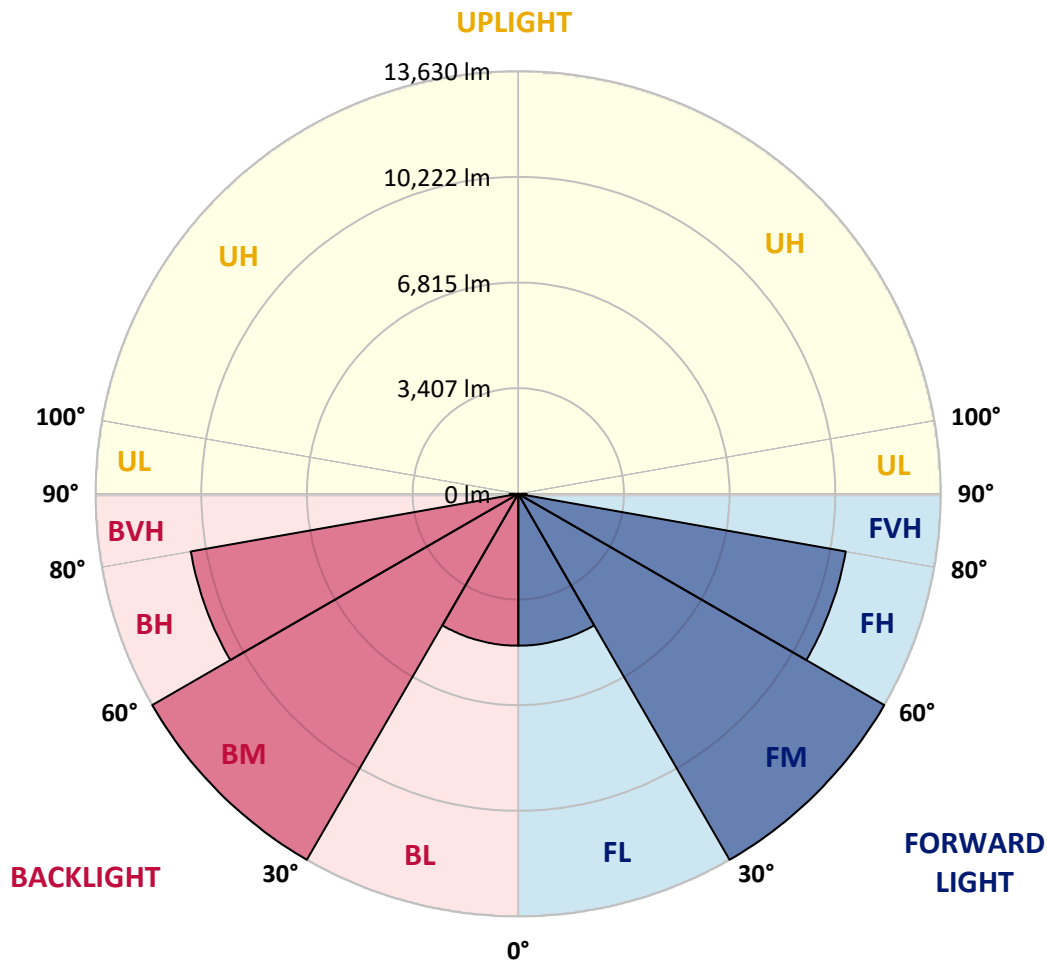


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4897.7	8.3			
FM (30°-60°)	13629.5	23.1			
FH (60°-80°)	10726.0	18.2			G4/12000
FVH (80°-90°)	270.8	0.5			G3/500
BL (0°-30°)	4897.7	8.3	B4/5000		
BM (30°-60°)	13629.5	23.1	B5		
BH (60°-80°)	10726.0	18.2	B5		G5
BVH (80°-90°)	270.8	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°	11033.7	11033.7	11033.7	11033.7	11033.7	11033.7	11033.7	11033.7	11033.7	11033.7
2.5°	11043.2	11055.7	11055.7	11046.3	11068.3	11049.4	11049.4	11040.0	11049.4	11040.0
5°	11099.6	11115.3	11121.6	11118.5	11146.7	11131.0	11131.0	11118.5	11121.6	11112.2
7.5°	11206.3	11228.3	11240.9	11256.6	11297.3	11278.5	11266.0	11228.3	11212.6	11187.5
10°	11240.9	11266.0	11306.8	11388.4	11482.5	11485.6	11448.0	11353.8	11281.7	11225.2
12.5°	11134.2	11168.7	11253.4	11419.7	11630.0	11714.7	11655.1	11498.2	11357.0	11256.6
15°	10999.2	11036.9	11165.5	11416.6	11727.3	11925.0	11918.7	11711.6	11485.6	11328.7
17.5°	10789.0	10826.6	11011.8	11363.2	11802.6	12129.0	12216.8	12003.4	11686.5	11476.2
20°	10409.2	10443.8	10701.1	11193.8	11827.7	12345.5	12574.6	12386.3	11990.9	11705.3
22.5°	9916.6	9969.9	10271.2	10901.9	11768.1	12571.4	12982.5	12853.9	12345.5	11950.1
25°	9389.4	9445.8	9797.3	10544.2	11614.3	12734.6	13465.8	13384.2	12747.2	12254.5
27.5°	8934.3	8993.9	9376.8	10189.6	11375.8	12797.4	13942.8	13983.6	13233.6	12590.3
30°	8576.6	8633.1	9041.0	9904.0	11068.3	12734.6	14360.2	14642.6	13729.4	12882.1
32.5°	8184.3	8256.5	8686.4	9555.7	10704.2	12584.0	14724.2	15355.0	14303.7	13195.9
35°	7688.5	7754.4	8206.3	9078.7	10227.2	12342.4	15028.6	16145.8	15125.9	13672.9
37.5°	7085.9	7148.7	7597.5	8482.4	9753.4	12003.4	15260.8	17037.0	16105.0	14360.2
40°	6480.3	6539.9	6960.4	7817.1	9185.4	11570.4	15342.4	17909.4	17228.5	15304.8
42.5°	5924.8	5978.2	6364.2	7161.3	8548.3	11018.1	15235.7	18668.9	18235.8	15963.8
45°	5413.3	5460.4	5802.4	6546.2	7886.2	10346.5	14915.6	19484.8	19434.6	16434.5
47.5°	4829.6	4876.7	5231.3	5949.9	7224.0	9558.8	14372.7	20288.2	21100.9	17501.5
50°	4117.3	4158.1	4522.1	5262.7	6536.8	8720.9	13619.6	20918.9	23203.5	19117.6
52.5°	3273.1	3317.0	3671.6	4412.2	5720.9	7820.3	12627.9	21330.0	25632.4	21477.5
55°	2435.2	2466.6	2774.1	3439.4	4710.4	6794.1	11385.2	21446.1	28387.7	24703.5
57.5°	1766.8	1785.6	1983.3	2479.1	3571.2	5510.6	9875.8	21144.9	31667.1	28839.6
60°	1431.0	1437.3	1496.9	1716.6	2482.3	4060.8	8052.5	20109.3	35225.8	34171.3
62.5°	1299.2	1299.2	1314.9	1374.5	1678.9	2680.0	5846.4	17962.8	39041.7	40908.9
65°	1208.2	1208.2	1214.5	1242.7	1324.3	1707.2	3690.5	14466.9	42258.4	48801.4
67.5°	1126.6	1129.7	1126.6	1136.0	1183.1	1261.5	2140.2	9991.9	43990.6	56979.4
70°	1041.9	1048.1	1032.5	1032.5	1070.1	1073.2	1340.0	5479.2	42553.3	63833.1
72.5°	941.4	950.9	925.8	919.5	947.7	935.2	1007.3	2629.8	36534.4	65879.2
75°	853.6	866.1	809.6	794.0	794.0	784.5	819.1	1349.4	23711.9	53740.9
77.5°	775.1	800.2	709.2	659.0	646.5	618.2	668.4	825.3	10371.6	25230.7
80°	640.2	674.7	583.7	524.1	502.1	470.7	527.2	577.4	3084.8	5858.9
82.5°	477.0	492.7	414.2	373.4	354.6	332.6	395.4	401.7	1004.2	2074.3
85°	304.4	310.7	254.2	219.7	210.3	200.8	251.1	219.7	382.9	1525.1
87.5°	106.7	122.4	97.3	87.9	94.1	78.5	116.1	65.9	106.7	1076.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

11033.7  
11040.0  
11112.2  
11187.5  
11215.8  
11240.9  
11303.6  
11441.7  
11652.0  
11877.9  
12154.1  
12483.6  
12728.3  
13001.4  
13456.4  
14071.5  
14997.2  
15568.4  
15901.0  
16886.4  
18345.6  
20526.7  
23514.2  
27342.7  
32285.3  
38382.7  
45606.8  
53530.6  
62926.2  
68264.2  
57481.5  
24706.7  
5611.0  
2344.2  
2215.5  
1333.7  
0.0

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