

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: P849044

Luminaire Tested: **GLAN-SB5D-927-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849044  
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-SB5D-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 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: 32748 lumens  
Efficiency: N/A  
Efficacy: 89.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

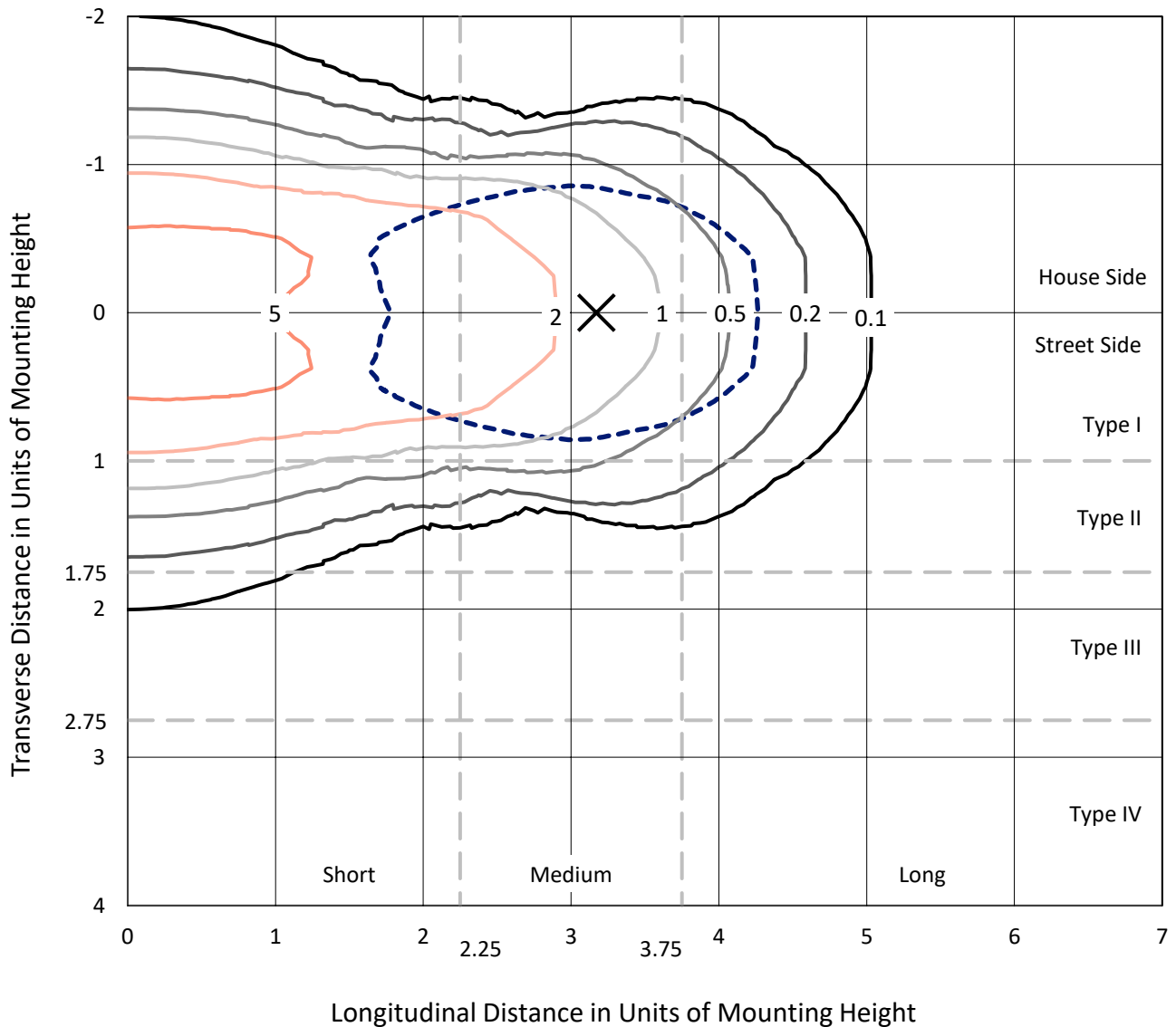
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

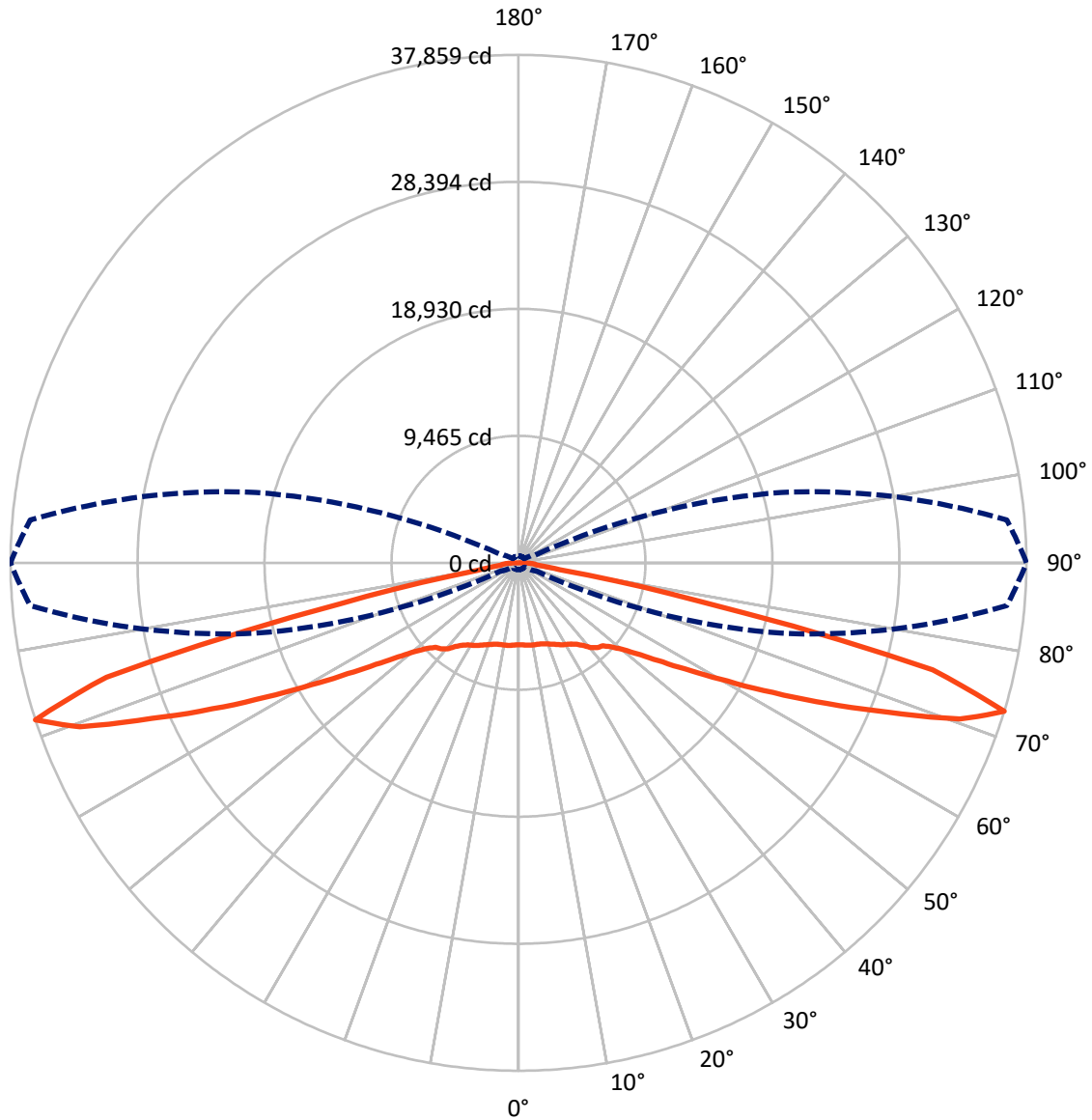
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 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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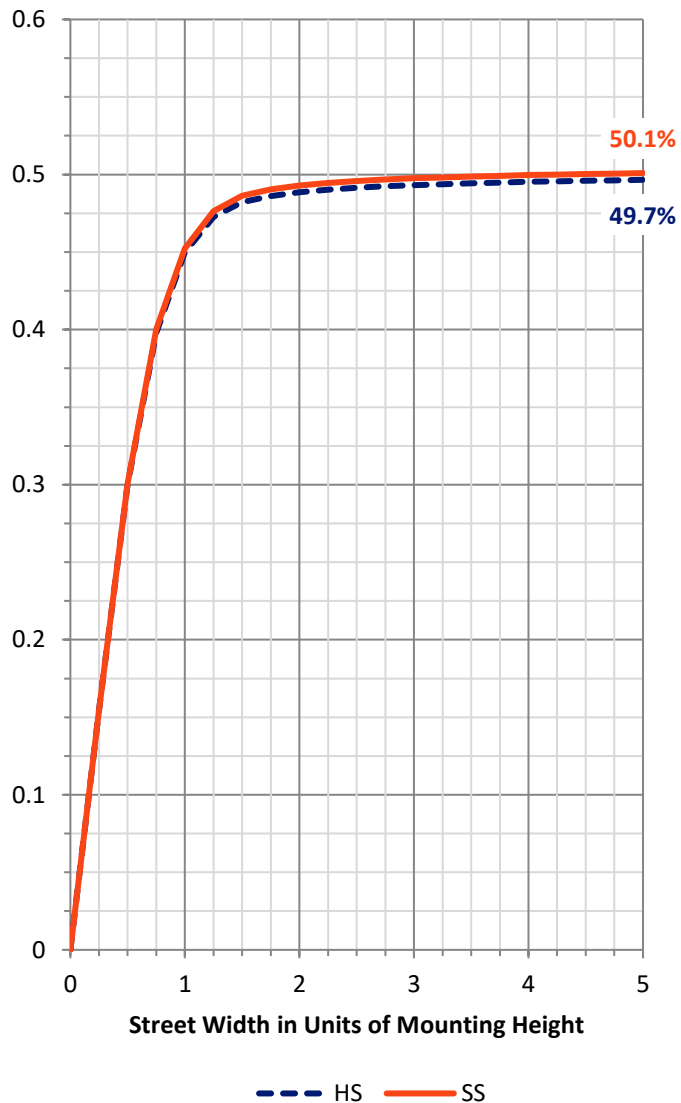
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16374.0	0.0	16374.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16374.0	0.0	16374.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32748.0	0.0	32748.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	593.3	1.8
10°-20°	1814.2	5.5
20°-30°	3025.0	9.2
30°-40°	4160.3	12.7
40°-50°	5080.9	15.5
50°-60°	5876.6	17.9
60°-70°	7006.9	21.4
70°-80°	4890.3	14.9
80°-90°	300.4	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°	32748.0	100.0
0°-180°	32748.0	100.0

**Coefficient of Utilization**



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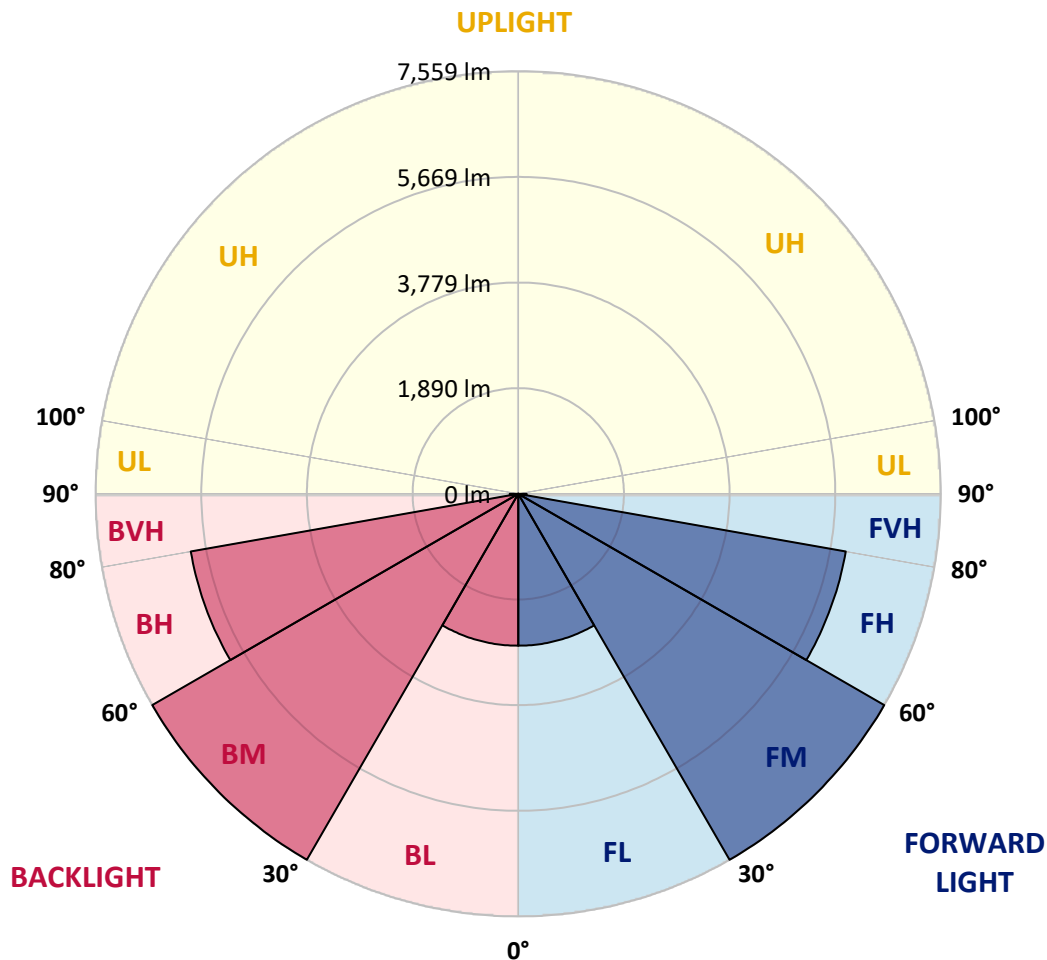
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2716.3	8.3			
FM (30°-60°)	7558.9	23.1			
FH (60°-80°)	5948.6	18.2			G3/7500
FVH (80°-90°)	150.2	0.5			G2/225
BL (0°-30°)	2716.3	8.3	B4/5000		
BM (30°-60°)	7558.9	23.1	B4/8500		
BH (60°-80°)	5948.6	18.2	B5		G5
BVH (80°-90°)	150.2	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°	6119.3	6119.3	6119.3	6119.3	6119.3	6119.3	6119.3	6119.3	6119.3	6119.3
2.5°	6124.5	6131.5	6131.5	6126.3	6138.5	6128.0	6128.0	6122.8	6128.0	6122.8
5°	6155.9	6164.6	6168.0	6166.3	6182.0	6173.3	6173.3	6166.3	6168.0	6162.8
7.5°	6215.0	6227.2	6234.2	6242.9	6265.5	6255.1	6248.1	6227.2	6218.5	6204.6
10°	6234.2	6248.1	6270.7	6316.0	6368.2	6369.9	6349.0	6296.8	6256.8	6225.5
12.5°	6175.0	6194.1	6241.1	6333.4	6450.0	6497.0	6463.9	6376.9	6298.6	6242.9
15°	6100.2	6121.0	6192.4	6331.6	6503.9	6613.6	6610.1	6495.2	6369.9	6282.9
17.5°	5983.6	6004.4	6107.1	6302.1	6545.7	6726.7	6775.4	6657.1	6481.3	6364.7
20°	5773.0	5792.1	5934.8	6208.1	6559.6	6846.8	6973.9	6869.4	6650.1	6491.8
22.5°	5499.7	5529.3	5696.4	6046.2	6526.6	6972.1	7200.1	7128.8	6846.8	6627.5
25°	5207.3	5238.7	5433.6	5847.8	6441.3	7062.6	7468.1	7422.9	7069.6	6796.3
27.5°	4955.0	4988.0	5200.4	5651.1	6309.0	7097.4	7732.7	7755.3	7339.3	6982.6
30°	4756.6	4787.9	5014.1	5492.8	6138.5	7062.6	7964.2	8120.8	7614.3	7144.4
32.5°	4539.0	4579.0	4817.5	5299.6	5936.6	6979.1	8166.0	8515.9	7932.8	7318.5
35°	4264.0	4300.6	4551.2	5035.0	5672.0	6845.1	8334.9	8954.5	8388.8	7583.0
37.5°	3929.9	3964.7	4213.6	4704.3	5409.2	6657.1	8463.7	9448.7	8931.8	7964.2
40°	3594.0	3627.0	3860.2	4335.4	5094.2	6416.9	8508.9	9932.6	9554.9	8488.0
42.5°	3285.9	3315.5	3529.6	3971.6	4740.9	6110.6	8449.7	10353.7	10113.6	8853.5
45°	3002.2	3028.3	3218.0	3630.5	4373.7	5738.2	8272.2	10806.3	10778.4	9114.6
47.5°	2678.5	2704.6	2901.3	3299.8	4006.4	5301.3	7971.1	11251.8	11702.6	9706.3
50°	2283.4	2306.1	2507.9	2918.7	3625.3	4836.6	7553.4	11601.6	12868.7	10602.6
52.5°	1815.3	1839.6	2036.3	2447.0	3172.8	4337.1	7003.4	11829.6	14215.7	11911.4
55°	1350.6	1368.0	1538.5	1907.5	2612.4	3768.0	6314.2	11894.0	15743.8	13700.6
57.5°	979.9	990.3	1099.9	1374.9	1980.6	3056.2	5477.1	11726.9	17562.6	15994.4
60°	793.6	797.1	830.2	952.0	1376.7	2252.1	4465.9	11152.6	19536.2	18951.4
62.5°	720.5	720.5	729.2	762.3	931.1	1486.3	3242.4	9962.2	21652.5	22688.1
65°	670.1	670.1	673.5	689.2	734.5	946.8	2046.7	8023.3	23436.5	27065.2
67.5°	624.8	626.6	624.8	630.0	656.1	699.6	1187.0	5541.5	24397.2	31600.8
70°	577.8	581.3	572.6	572.6	593.5	595.2	743.2	3038.8	23600.1	35401.8
72.5°	522.1	527.3	513.4	509.9	525.6	518.6	558.7	1458.5	20261.9	36536.6
75°	473.4	480.4	449.0	440.3	440.3	435.1	454.2	748.4	13150.6	29804.7
77.5°	429.9	443.8	393.3	365.5	358.5	342.9	370.7	457.7	5752.1	13993.0
80°	355.0	374.2	323.7	290.6	278.5	261.1	292.4	320.2	1710.8	3249.4
82.5°	264.5	273.2	229.7	207.1	196.7	184.5	219.3	222.8	556.9	1150.4
85°	168.8	172.3	141.0	121.8	116.6	111.4	139.2	121.8	212.3	845.8
87.5°	59.2	67.9	54.0	48.7	52.2	43.5	64.4	36.5	59.2	597.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6119.3  
6122.8  
6162.8  
6204.6  
6220.3  
6234.2  
6269.0  
6345.6  
6462.2  
6587.5  
6740.6  
6923.4  
7059.1  
7210.6  
7462.9  
7804.0  
8317.5  
8634.2  
8818.7  
9365.2  
10174.5  
11384.1  
13041.0  
15164.3  
17905.4  
21287.1  
25293.5  
29688.0  
34898.9  
37859.3  
31879.2  
13702.3  
3111.9  
1300.1  
1228.7  
739.7  
0.0

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