

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: P850964

Luminaire Tested: **GLAN-SB8D-722-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850964  
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-SB8D-722-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 63655 lumens  
Efficiency: N/A  
Efficacy: 108.8 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

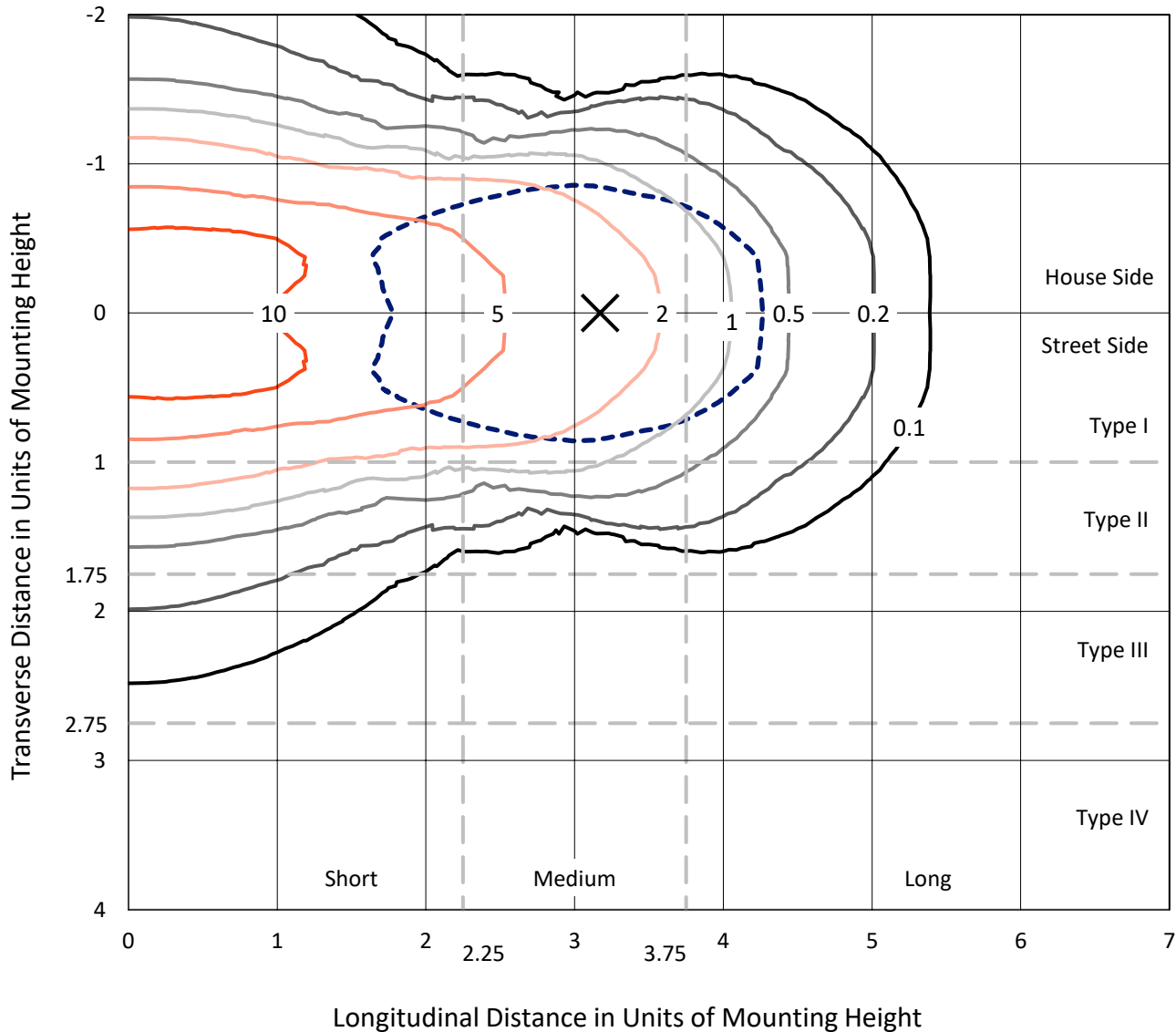
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

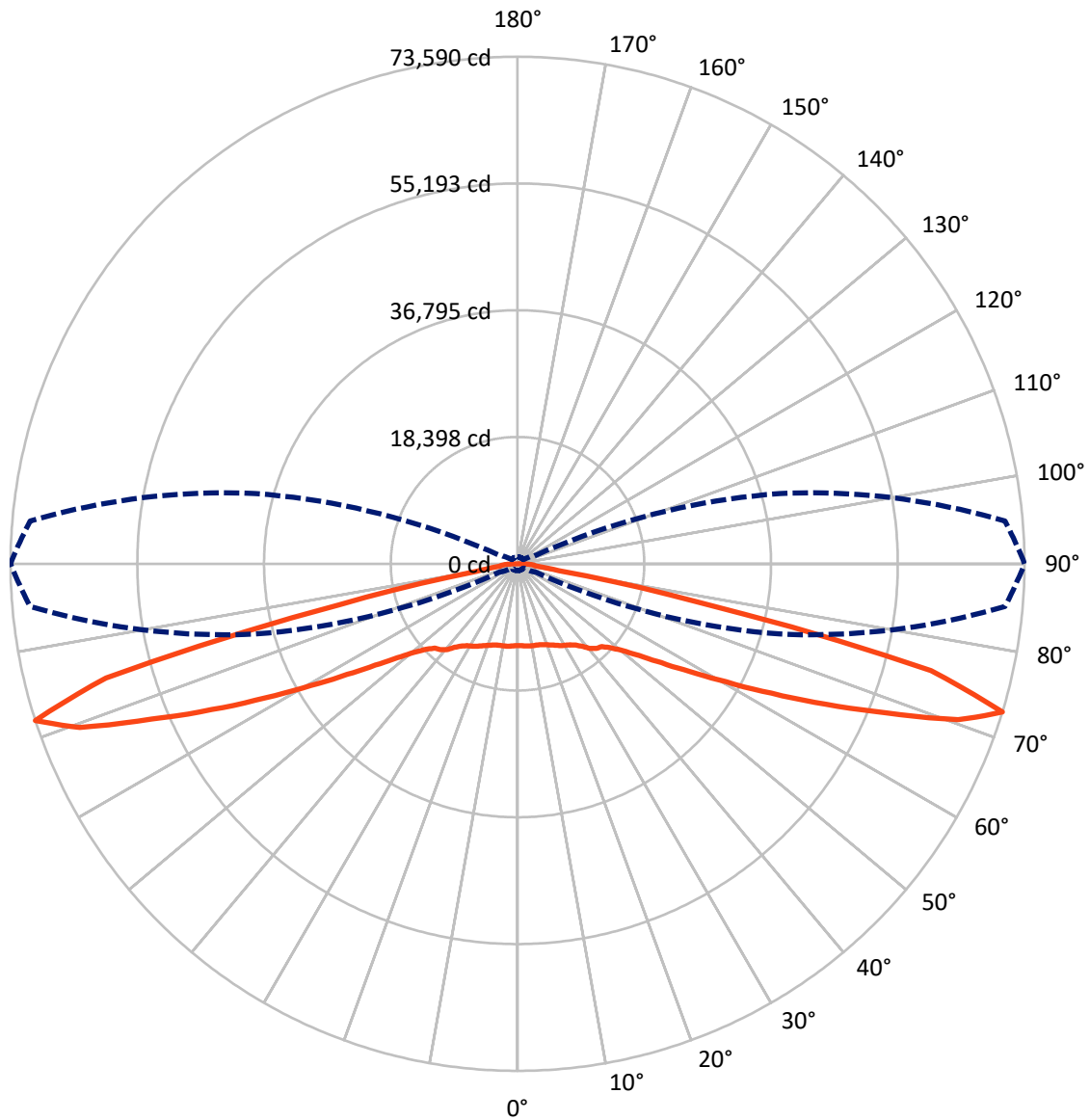
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19 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	31827.5	0.0	31827.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	31827.5	0.0	31827.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	63655.0	0.0	63655.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1153.3	1.8
10°-20°	3526.4	5.5
20°-30°	5880.0	9.2
30°-40°	8086.8	12.7
40°-50°	9876.2	15.5
50°-60°	11422.8	17.9
60°-70°	13619.9	21.4
70°-80°	9505.8	14.9
80°-90°	583.9	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°	63655.0	100.0
0°-180°	63655.0	100.0

**Coefficient of Utilization**

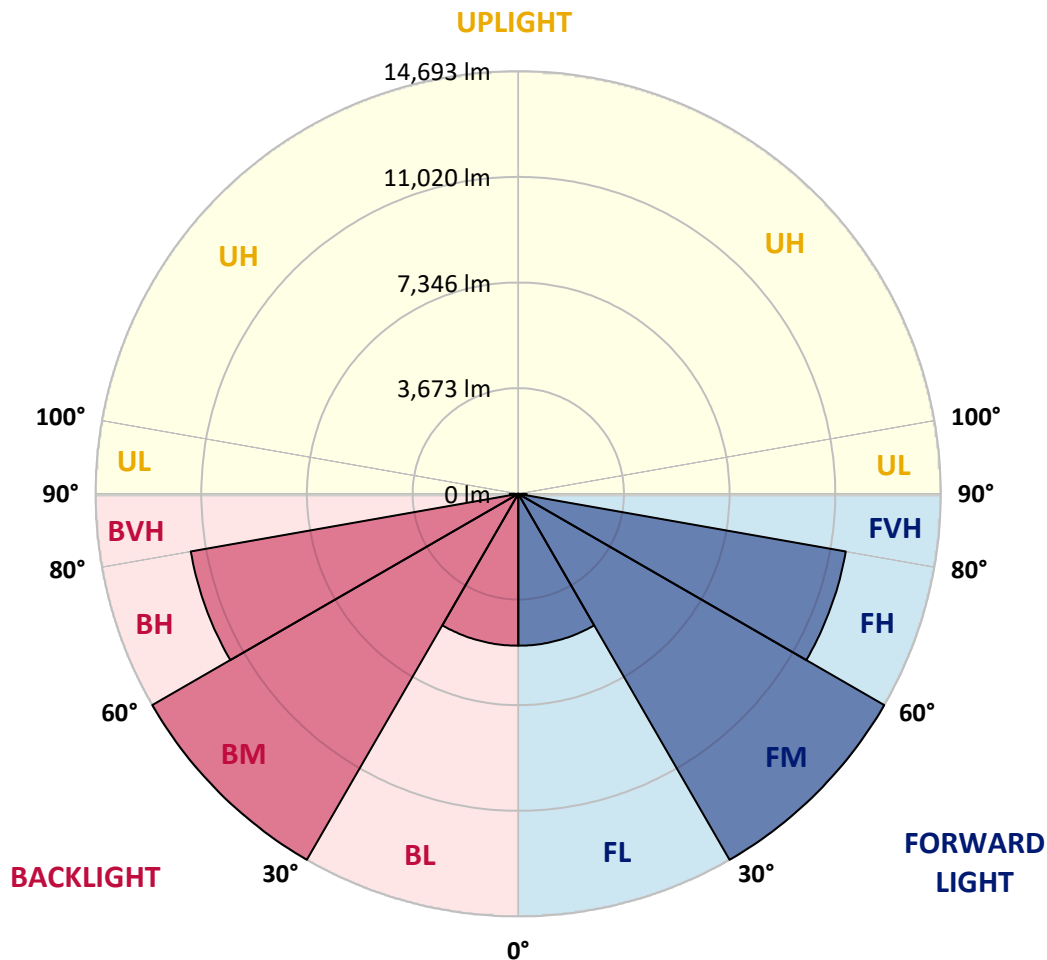


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5279.9	8.3			
FM (30°-60°)	14692.9	23.1			
FH (60°-80°)	11562.8	18.2			G4/12000
FVH (80°-90°)	291.9	0.5			G3/500
BL (0°-30°)	5279.9	8.3	B5		
BM (30°-60°)	14692.9	23.1	B5		
BH (60°-80°)	11562.8	18.2	B5		G5
BVH (80°-90°)	291.9	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°	11894.6	11894.6	11894.6	11894.6	11894.6	11894.6	11894.6	11894.6	11894.6	11894.6
2.5°	11904.8	11918.3	11918.3	11908.1	11931.8	11911.5	11911.5	11901.4	11911.5	11901.4
5°	11965.7	11982.6	11989.3	11985.9	12016.4	11999.5	11999.5	11985.9	11989.3	11979.2
7.5°	12080.7	12104.4	12117.9	12134.8	12178.8	12158.5	12145.0	12104.4	12087.4	12060.4
10°	12117.9	12145.0	12188.9	12276.9	12378.4	12381.8	12341.2	12239.7	12161.9	12101.0
12.5°	12002.9	12040.1	12131.4	12310.7	12537.4	12628.7	12564.4	12395.3	12243.1	12134.8
15°	11857.4	11898.0	12036.7	12307.3	12642.3	12855.4	12848.6	12625.3	12381.8	12212.6
17.5°	11630.7	11671.3	11870.9	12249.8	12723.4	13075.3	13170.0	12940.0	12598.3	12371.6
20°	11221.4	11258.6	11536.0	12067.1	12750.5	13308.7	13555.7	13352.7	12926.4	12618.6
22.5°	10690.3	10747.8	11072.5	11752.5	12686.2	13552.3	13995.4	13856.7	13308.7	12882.4
25°	10121.9	10182.8	10561.7	11366.9	12520.5	13728.2	14516.4	14428.5	13741.7	13210.6
27.5°	9631.4	9695.7	10108.4	10984.6	12263.4	13795.9	15030.6	15074.6	14266.1	13572.6
30°	9245.7	9306.6	9746.4	10676.7	11931.8	13728.2	15480.6	15785.1	14800.6	13887.2
32.5°	8822.8	8900.7	9364.1	10301.2	11539.4	13565.8	15873.0	16553.0	15419.7	14225.5
35°	8288.3	8359.4	8846.5	9787.0	11025.2	13305.3	16201.2	17405.5	16306.0	14739.7
37.5°	7638.8	7706.5	8190.2	9144.2	10514.3	12940.0	16451.5	18366.3	17361.5	15480.6
40°	6985.9	7050.2	7503.5	8427.0	9902.0	12473.1	16539.5	19306.7	18572.6	16498.9
42.5°	6387.1	6444.6	6860.7	7720.0	9215.3	11877.7	16424.4	20125.4	19658.6	17209.3
45°	5835.7	5886.4	6255.2	7056.9	8501.5	11153.7	16079.4	21005.0	20950.9	17716.7
47.5°	5206.4	5257.2	5639.5	6414.2	7787.7	10304.6	15494.1	21871.1	22747.3	18867.0
50°	4438.5	4482.5	4874.9	5673.3	7046.8	9401.3	14682.2	22551.0	25013.9	20609.2
52.5°	3528.5	3575.8	3958.1	4756.5	6167.2	8430.4	13613.2	22994.2	27632.3	23153.2
55°	2625.2	2659.0	2990.6	3707.8	5077.9	7324.2	12273.5	23119.4	30602.6	26630.9
57.5°	1904.6	1924.9	2138.1	2672.6	3849.8	5940.5	10646.3	22794.6	34137.8	31089.7
60°	1542.6	1549.4	1613.7	1850.5	2675.9	4377.6	8680.8	21678.2	37974.1	36837.4
62.5°	1400.6	1400.6	1417.5	1481.8	1809.9	2889.1	6302.5	19364.3	42087.8	44100.7
65°	1302.5	1302.5	1309.2	1339.7	1427.6	1840.3	3978.4	15595.6	45555.4	52608.9
67.5°	1214.5	1217.9	1214.5	1224.6	1275.4	1360.0	2307.2	10771.5	47422.8	61425.0
70°	1123.2	1129.9	1113.0	1113.0	1153.6	1157.0	1444.5	5906.7	45873.4	68813.5
72.5°	1014.9	1025.0	998.0	991.2	1021.7	1008.1	1085.9	2834.9	39384.8	71019.2
75°	920.2	933.7	872.8	855.9	855.9	845.7	883.0	1454.7	25561.9	57933.8
77.5°	835.6	862.7	764.6	710.4	696.9	666.4	720.6	889.7	11180.8	27199.3
80°	690.1	727.3	629.2	565.0	541.3	507.4	568.3	622.5	3325.5	6316.1
82.5°	514.2	531.1	446.6	402.6	382.3	358.6	426.3	433.0	1082.6	2236.2
85°	328.2	334.9	274.0	236.8	226.7	216.5	270.6	236.8	412.7	1644.1
87.5°	115.0	131.9	104.9	94.7	101.5	84.6	125.2	71.0	115.0	1160.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

11894.6  
11901.4  
11979.2  
12060.4  
12090.8  
12117.9  
12185.5  
12334.4  
12561.1  
12804.6  
13102.3  
13457.6  
13721.4  
14015.7  
14506.3  
15169.3  
16167.3  
16783.0  
17141.6  
18203.9  
19777.0  
22128.2  
25348.8  
29476.0  
34804.2  
41377.4  
49165.1  
57707.1  
67835.8  
73590.3  
61966.3  
26634.3  
6048.8  
2527.1  
2388.4  
1437.8  
0.0

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