

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: P850804

Luminaire Tested: **GLAN-SB8C-727-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850804  
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-SB8C-727-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 53277 lumens  
Efficiency: N/A  
Efficacy: 133.3 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

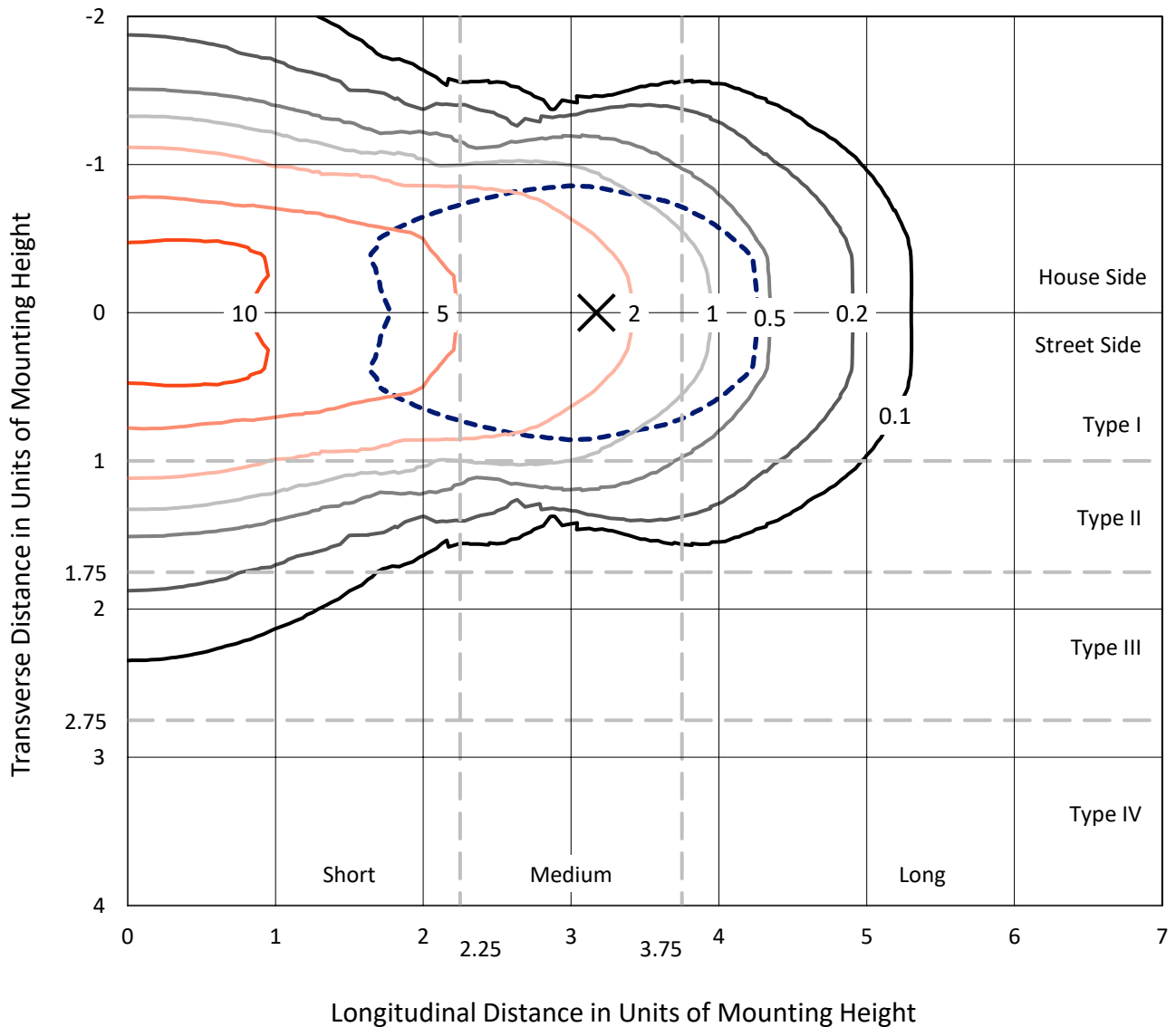
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

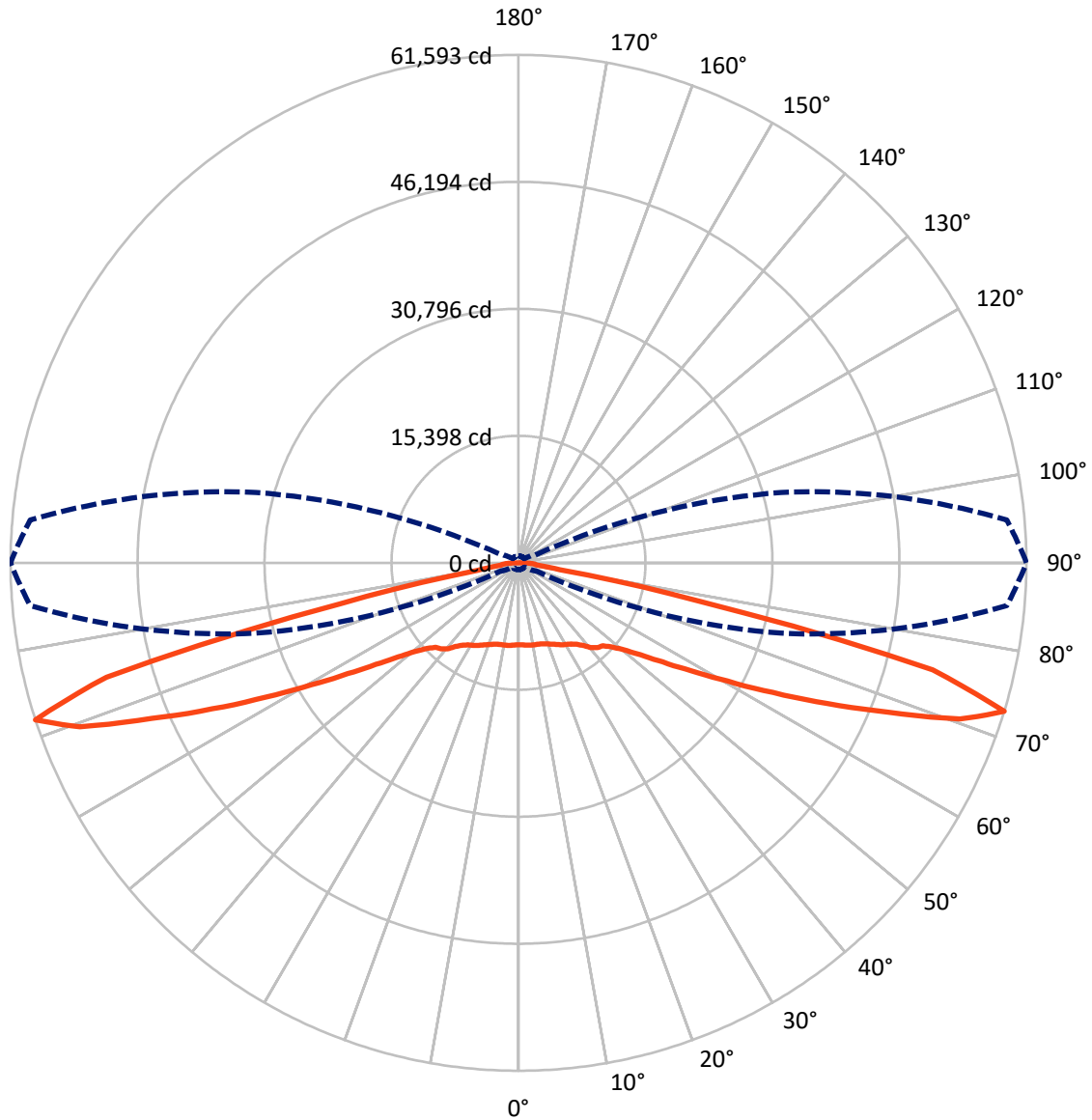
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.9 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	26638.5	0.0	26638.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	26638.5	0.0	26638.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	53277.0	0.0	53277.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	965.3	1.8
10°-20°	2951.5	5.5
20°-30°	4921.3	9.2
30°-40°	6768.4	12.7
40°-50°	8266.0	15.5
50°-60°	9560.5	17.9
60°-70°	11399.3	21.4
70°-80°	7956.0	14.9
80°-90°	488.7	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°	53277.0	100.0
0°-180°	53277.0	100.0

**Coefficient of Utilization**



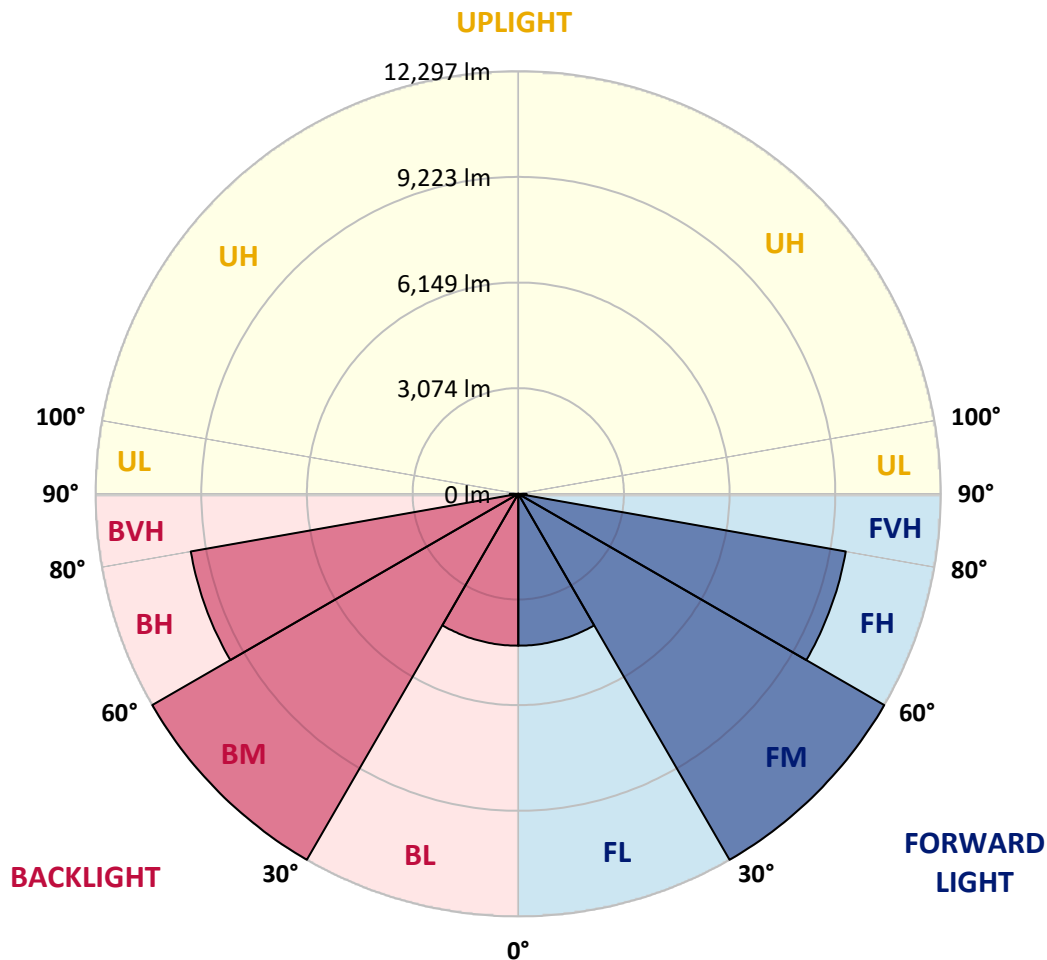
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4419.1	8.3			
FM (30°-60°)	12297.4	23.1			
FH (60°-80°)	9677.7	18.2			G4/12000
FVH (80°-90°)	244.3	0.5			G3/500
BL (0°-30°)	4419.1	8.3	B4/5000		
BM (30°-60°)	12297.4	23.1	B5		
BH (60°-80°)	9677.7	18.2	B5		G5
BVH (80°-90°)	244.3	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°	9955.4	9955.4	9955.4	9955.4	9955.4	9955.4	9955.4	9955.4	9955.4	9955.4
2.5°	9963.9	9975.2	9975.2	9966.7	9986.5	9969.5	9969.5	9961.0	9969.5	9961.0
5°	10014.8	10029.0	10034.7	10031.8	10057.3	10043.1	10043.1	10031.8	10034.7	10026.2
7.5°	10111.1	10130.9	10142.2	10156.4	10193.2	10176.2	10164.9	10130.9	10116.8	10094.1
10°	10142.2	10164.9	10201.7	10275.3	10360.3	10363.1	10329.1	10244.2	10179.1	10128.1
12.5°	10046.0	10077.1	10153.6	10303.6	10493.3	10569.8	10516.0	10374.4	10247.0	10156.4
15°	9924.2	9958.2	10074.3	10300.8	10581.1	10759.5	10753.8	10567.0	10363.1	10221.5
17.5°	9734.5	9768.5	9935.5	10252.7	10649.1	10943.5	11022.8	10830.3	10544.3	10354.6
20°	9391.9	9423.1	9655.2	10099.8	10671.7	11138.9	11345.6	11175.7	10819.0	10561.3
22.5°	8947.4	8995.5	9267.3	9836.4	10617.9	11342.8	11713.7	11597.6	11138.9	10782.2
25°	8471.7	8522.7	8839.8	9513.7	10479.2	11490.0	12149.7	12076.1	11501.3	11056.8
27.5°	8061.1	8114.9	8460.4	9193.7	10264.0	11546.6	12580.1	12616.9	11940.2	11359.8
30°	7738.3	7789.3	8157.4	8936.0	9986.5	11490.0	12956.7	13211.5	12387.6	11623.1
32.5°	7384.4	7449.5	7837.4	8621.8	9658.1	11354.1	13285.2	13854.3	12905.7	11906.2
35°	6937.0	6996.5	7404.2	8191.4	9227.7	11136.1	13559.8	14567.8	13647.6	12336.6
37.5°	6393.4	6450.0	6854.9	7653.4	8800.1	10830.3	13769.3	15371.9	14531.0	12956.7
40°	5846.9	5900.7	6280.2	7053.1	8287.6	10439.5	13842.9	16159.1	15544.6	13809.0
42.5°	5345.8	5393.9	5742.2	6461.4	7712.9	9941.2	13746.7	16844.3	16453.5	14403.6
45°	4884.2	4926.7	5235.3	5906.4	7115.4	9335.3	13457.9	17580.5	17535.2	14828.3
47.5°	4357.6	4400.1	4720.0	5368.4	6518.0	8624.6	12968.0	18305.3	19038.7	15791.0
50°	3714.9	3751.7	4080.1	4748.3	5897.9	7868.6	12288.5	18874.4	20935.7	17249.2
52.5°	2953.2	2992.8	3312.8	3981.0	5161.7	7056.0	11393.7	19245.3	23127.3	19378.4
55°	2197.2	2225.5	2503.0	3103.3	4250.0	6130.1	10272.5	19350.1	25613.3	22289.2
57.5°	1594.1	1611.1	1789.5	2236.8	3222.2	4972.0	8910.6	19078.3	28572.1	26021.0
60°	1291.1	1296.8	1350.6	1548.8	2239.7	3663.9	7265.5	18143.9	31783.0	30831.6
62.5°	1172.2	1172.2	1186.4	1240.2	1514.8	2418.1	5275.0	16207.2	35226.0	36910.8
65°	1090.1	1090.1	1095.8	1121.3	1194.9	1540.3	3329.8	13053.0	38128.3	44031.8
67.5°	1016.5	1019.3	1016.5	1025.0	1067.5	1138.2	1931.0	9015.3	39691.2	51410.6
70°	940.0	945.7	931.5	931.5	965.5	968.4	1209.0	4943.7	38394.4	57594.5
72.5°	849.4	857.9	835.3	829.6	855.1	843.8	908.9	2372.8	32963.7	59440.6
75°	770.2	781.5	730.5	716.4	716.4	707.9	739.0	1217.5	21394.4	48488.5
77.5°	699.4	722.0	639.9	594.6	583.3	557.8	603.1	744.7	9357.9	22764.8
80°	577.6	608.8	526.6	472.9	453.0	424.7	475.7	521.0	2783.3	5286.3
82.5°	430.4	444.5	373.8	336.9	320.0	300.1	356.8	362.4	906.1	1871.6
85°	274.7	280.3	229.3	198.2	189.7	181.2	226.5	198.2	345.4	1376.1
87.5°	96.3	110.4	87.8	79.3	84.9	70.8	104.8	59.5	96.3	971.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

9955.4  
9961.0  
10026.2  
10094.1  
10119.6  
10142.2  
10198.9  
10323.5  
10513.2  
10717.0  
10966.2  
11263.5  
11484.4  
11730.7  
12141.2  
12696.2  
13531.5  
14046.8  
14346.9  
15236.0  
16552.6  
18520.5  
21216.0  
24670.4  
29129.9  
34631.4  
41149.4  
48298.8  
56776.2  
61592.5  
51863.6  
22292.0  
5062.6  
2115.1  
1999.0  
1203.4  
0.0

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