

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: P851484

Luminaire Tested: **GLAN-SB9C-727-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851484  
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-SB9C-727-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 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: 60012 lumens  
Efficiency: N/A  
Efficacy: 133.4 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

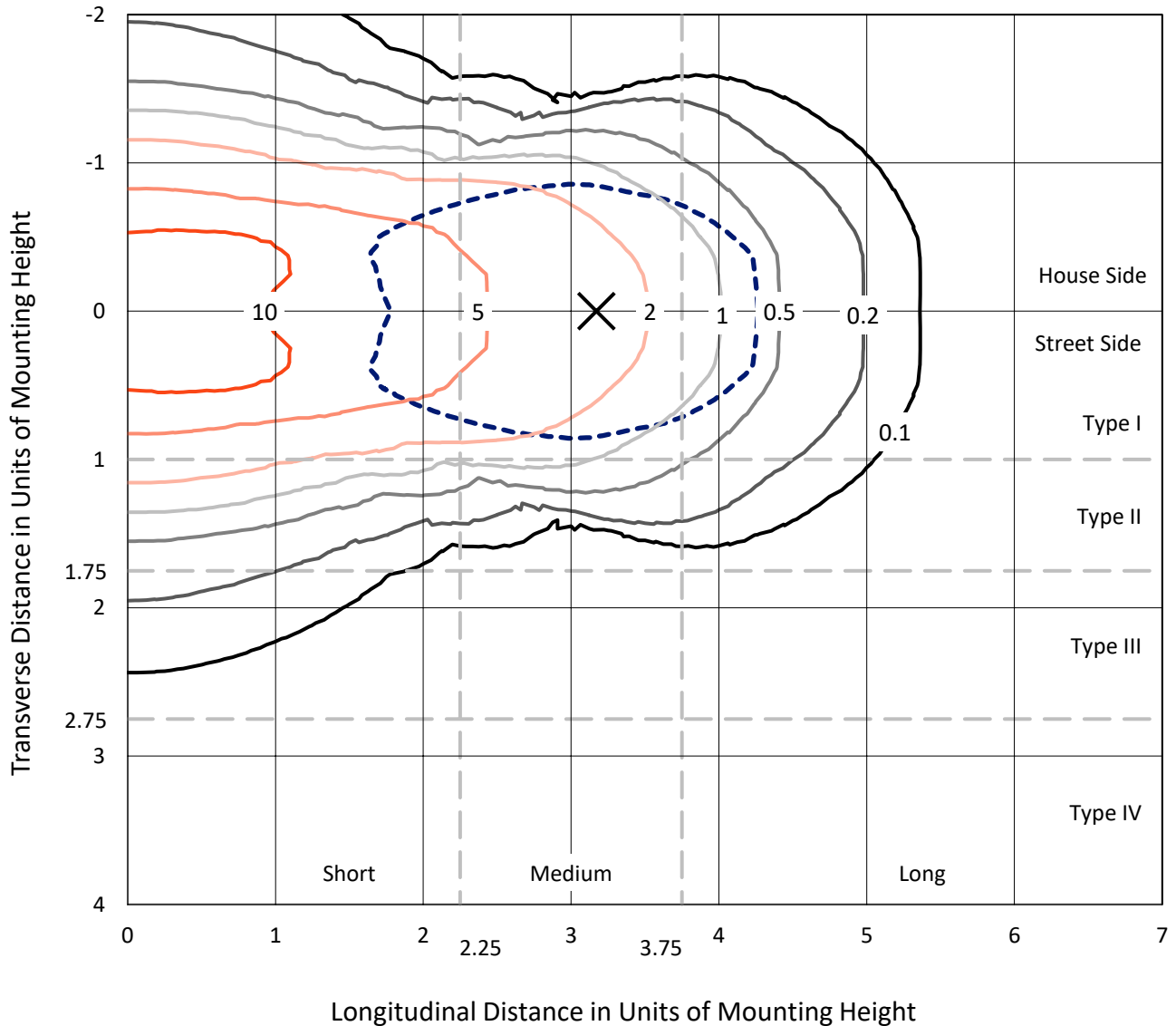
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

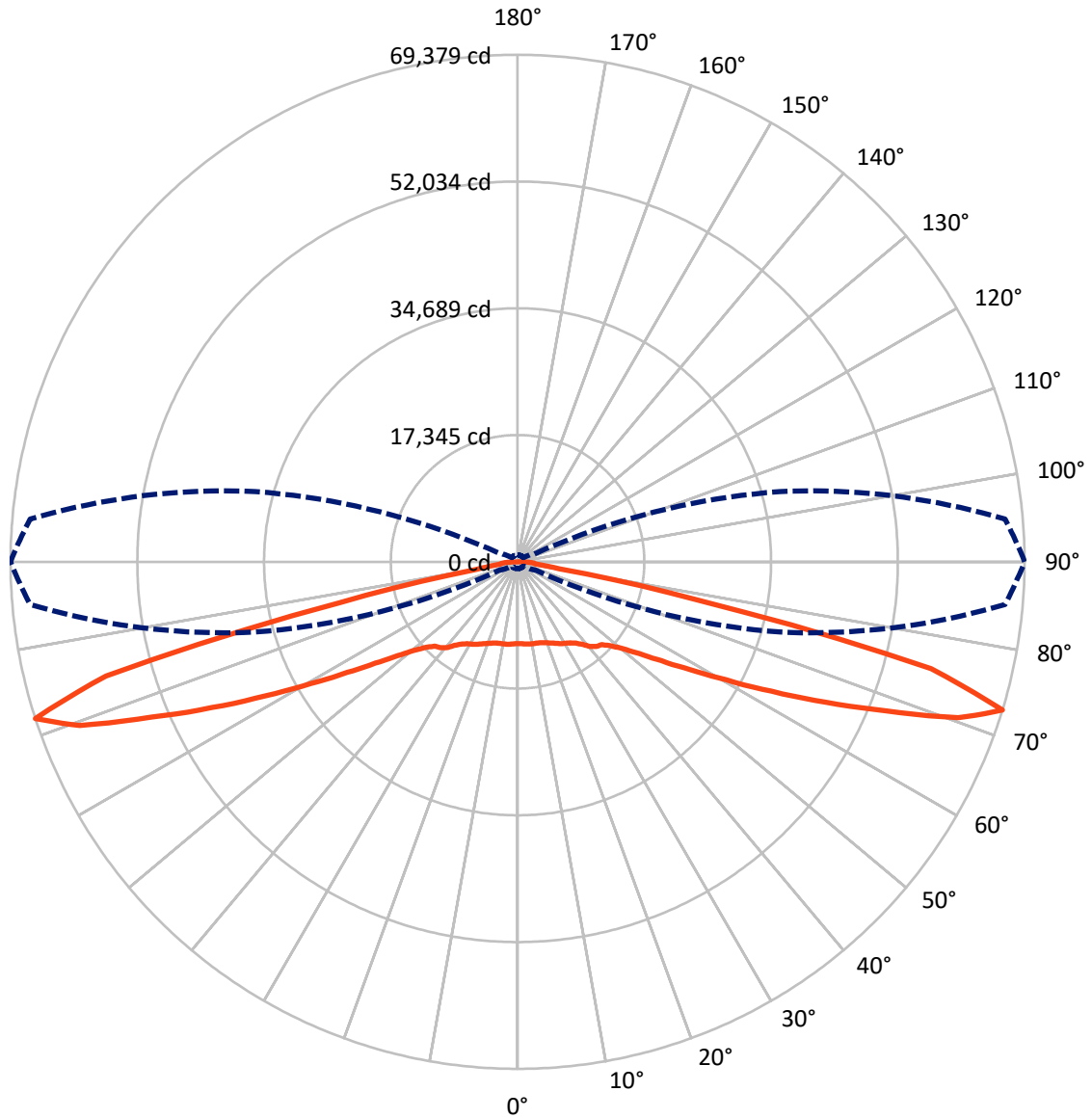
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.9 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	30006.0	0.0	30006.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	30006.0	0.0	30006.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	60012.0	0.0	60012.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1087.3	1.8
10°-20°	3324.6	5.5
20°-30°	5543.5	9.2
30°-40°	7624.0	12.7
40°-50°	9311.0	15.5
50°-60°	10769.1	17.9
60°-70°	12840.4	21.4
70°-80°	8961.7	14.9
80°-90°	550.4	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°	60012.0	100.0
0°-180°	60012.0	100.0

**Coefficient of Utilization**

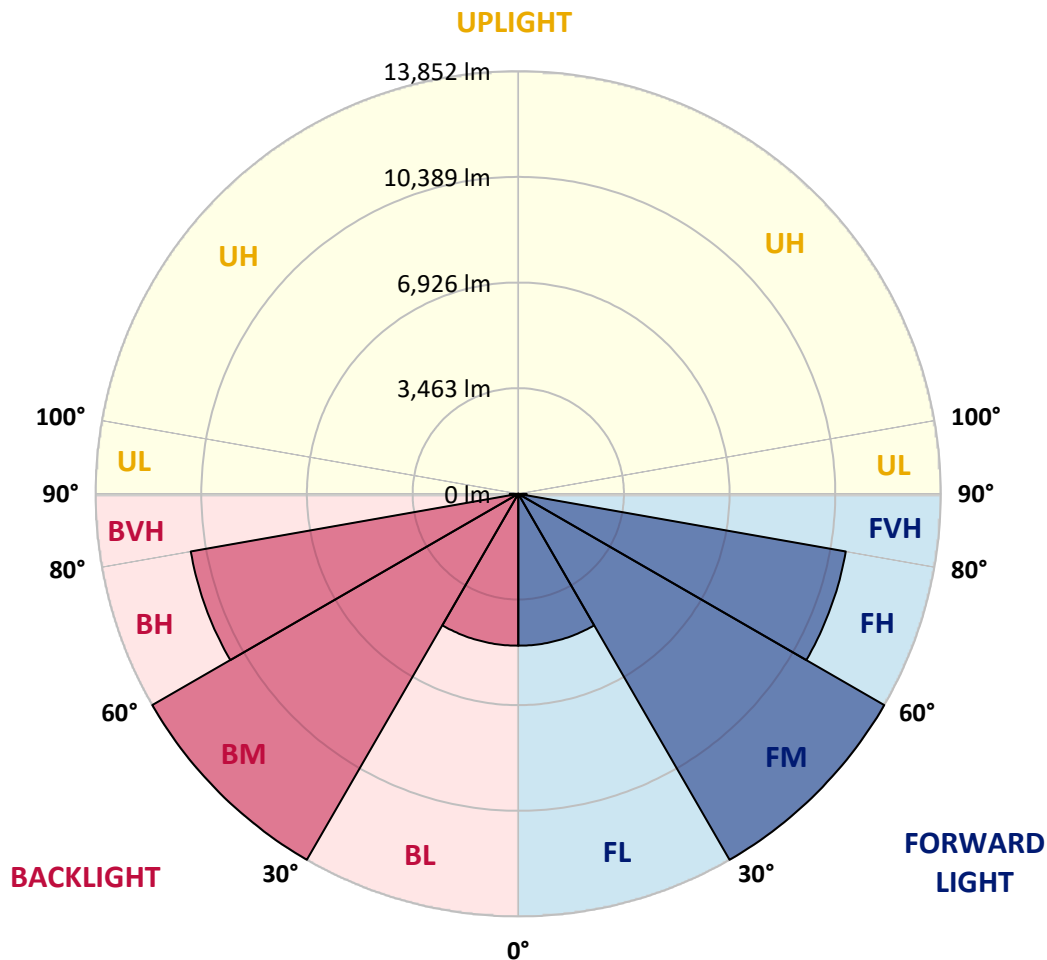


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4977.7	8.3			
FM (30°-60°)	13852.0	23.1			
FH (60°-80°)	10901.1	18.2			G4/12000
FVH (80°-90°)	275.2	0.5			G3/500
BL (0°-30°)	4977.7	8.3	B4/5000		
BM (30°-60°)	13852.0	23.1	B5		
BH (60°-80°)	10901.1	18.2	B5		G5
BVH (80°-90°)	275.2	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°	11213.9	11213.9	11213.9	11213.9	11213.9	11213.9	11213.9	11213.9	11213.9	11213.9
2.5°	11223.4	11236.2	11236.2	11226.6	11249.0	11229.8	11229.8	11220.3	11229.8	11220.3
5°	11280.9	11296.8	11303.2	11300.0	11328.7	11312.7	11312.7	11300.0	11303.2	11293.6
7.5°	11389.3	11411.6	11424.4	11440.3	11481.8	11462.6	11449.9	11411.6	11395.7	11370.2
10°	11424.4	11449.9	11491.4	11574.3	11670.0	11673.1	11634.9	11539.2	11465.8	11408.4
12.5°	11315.9	11351.0	11437.1	11606.2	11819.9	11906.0	11845.4	11685.9	11542.4	11440.3
15°	11178.8	11217.1	11347.8	11603.0	11918.7	12119.7	12113.3	11902.8	11673.1	11513.7
17.5°	10965.1	11003.4	11191.5	11548.8	11995.3	12327.0	12416.3	12199.4	11877.3	11663.6
20°	10579.2	10614.3	10875.8	11376.5	12020.8	12547.0	12779.9	12588.5	12186.6	11896.4
22.5°	10078.5	10132.7	10438.9	11079.9	11960.2	12776.7	13194.5	13063.7	12547.0	12145.2
25°	9542.6	9600.0	9957.3	10716.3	11803.9	12942.5	13685.6	13602.7	12955.3	12454.5
27.5°	9080.2	9140.8	9529.9	10355.9	11561.5	13006.3	14170.4	14211.9	13449.6	12795.8
30°	8716.6	8774.0	9188.6	10065.7	11249.0	12942.5	14594.6	14881.7	13953.6	13092.4
32.5°	8317.9	8391.3	8828.2	9711.7	10879.0	12789.4	14964.6	15605.7	14537.2	13411.4
35°	7814.0	7881.0	8340.2	9226.9	10394.2	12543.8	15274.0	16409.4	15372.8	13896.1
37.5°	7201.6	7265.4	7721.5	8620.9	9912.6	12199.4	15510.0	17315.2	16367.9	14594.6
40°	6586.1	6646.7	7074.1	7944.8	9335.3	11759.3	15592.9	18201.8	17509.7	15554.6
42.5°	6021.6	6075.8	6468.1	7278.2	8687.9	11197.9	15484.5	18973.6	18533.5	16224.4
45°	5501.7	5549.5	5897.2	6653.1	8014.9	10515.4	15159.1	19802.9	19751.9	16702.8
47.5°	4908.5	4956.3	5316.7	6047.1	7342.0	9714.9	14607.4	20619.4	21445.4	17787.2
50°	4184.5	4225.9	4595.9	5348.6	6643.5	8863.3	13841.9	21260.4	23582.3	19429.7
52.5°	3326.5	3371.2	3731.6	4484.3	5814.2	7947.9	12834.1	21678.2	26050.9	21828.1
55°	2475.0	2506.9	2819.4	3495.6	4787.3	6905.0	11571.1	21796.3	28851.2	25106.8
57.5°	1795.6	1814.8	2015.7	2519.6	3629.5	5600.6	10037.0	21490.1	32184.1	29310.4
60°	1454.4	1460.7	1521.3	1744.6	2522.8	4127.1	8184.0	20437.6	35800.8	34729.2
62.5°	1320.4	1320.4	1336.4	1397.0	1706.3	2723.7	5941.8	18256.0	39679.1	41576.8
65°	1227.9	1227.9	1234.3	1263.0	1345.9	1735.0	3750.7	14703.1	42948.3	49598.1
67.5°	1145.0	1148.2	1145.0	1154.6	1202.4	1282.1	2175.2	10155.0	44708.8	57909.7
70°	1058.9	1065.3	1049.3	1049.3	1087.6	1090.8	1361.9	5568.7	43248.1	64875.3
72.5°	956.8	966.4	940.9	934.5	963.2	950.4	1023.8	2672.7	37130.8	66954.7
75°	867.5	880.3	822.9	806.9	806.9	797.3	832.4	1371.4	24099.0	54618.2
77.5°	787.8	813.3	720.8	669.8	657.0	628.3	679.3	838.8	10540.9	25642.7
80°	650.6	685.7	593.2	532.6	510.3	478.4	535.8	586.8	3135.2	5954.6
82.5°	484.8	500.7	421.0	379.5	360.4	338.1	401.9	408.2	1020.6	2108.2
85°	309.4	315.7	258.3	223.3	213.7	204.1	255.2	223.3	389.1	1550.0
87.5°	108.4	124.4	98.9	89.3	95.7	79.7	118.0	67.0	108.4	1094.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

11213.9  
11220.3  
11293.6  
11370.2  
11398.9  
11424.4  
11488.2  
11628.5  
11842.2  
12071.8  
12352.5  
12687.4  
12936.1  
13213.6  
13676.1  
14301.2  
15242.1  
15822.5  
16160.6  
17162.1  
18645.1  
20861.8  
23898.1  
27789.1  
32812.4  
39009.4  
46351.3  
54404.5  
63953.5  
69378.7  
58420.0  
25110.0  
5702.6  
2382.5  
2251.7  
1355.5  
0.0

OF REPORT)