

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: P849444

Luminaire Tested: **GLAN-SB6C-727-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849444
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-SB6C-727-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 39954 lumens
Efficiency: N/A
Efficacy: 132.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

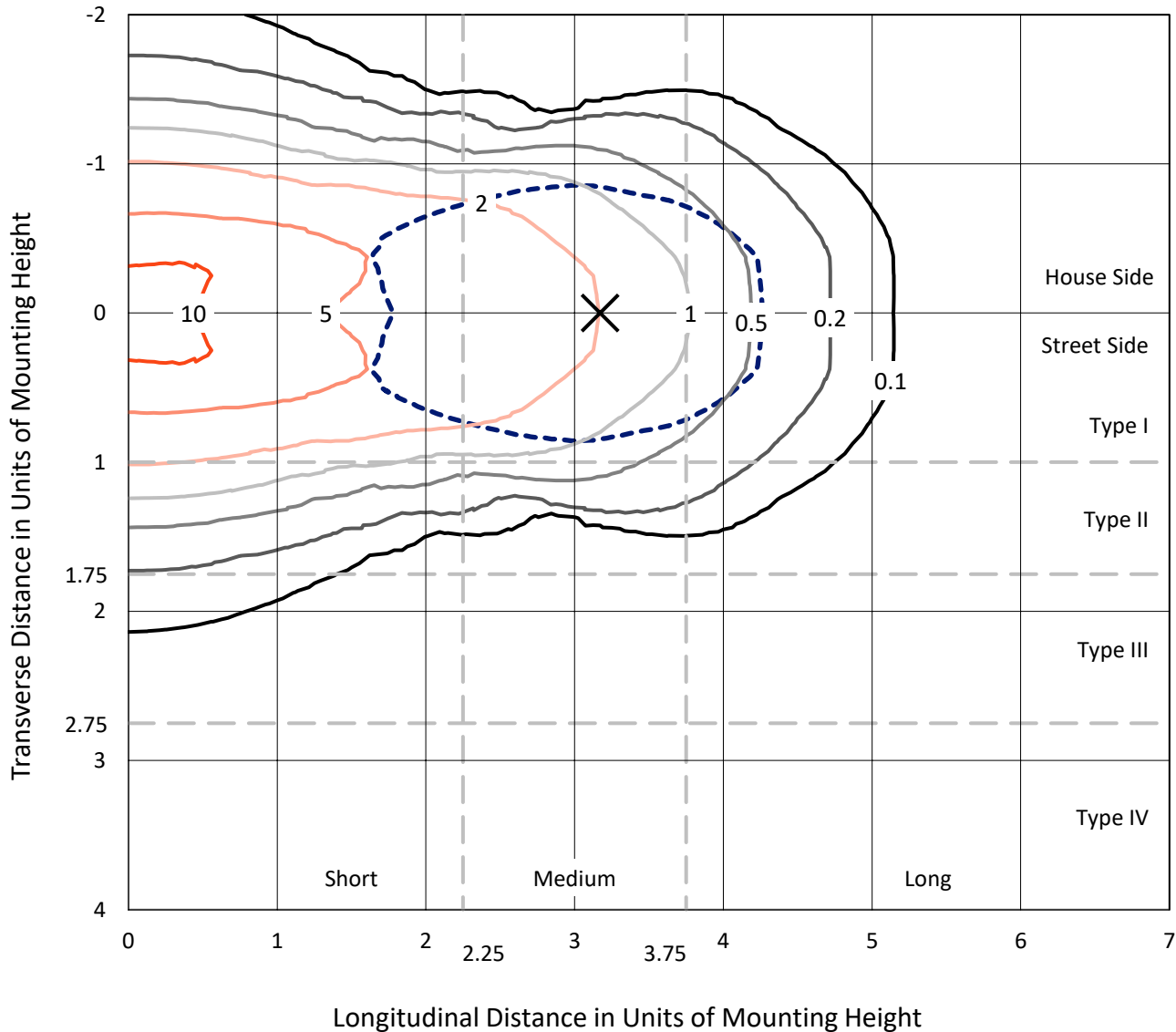
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

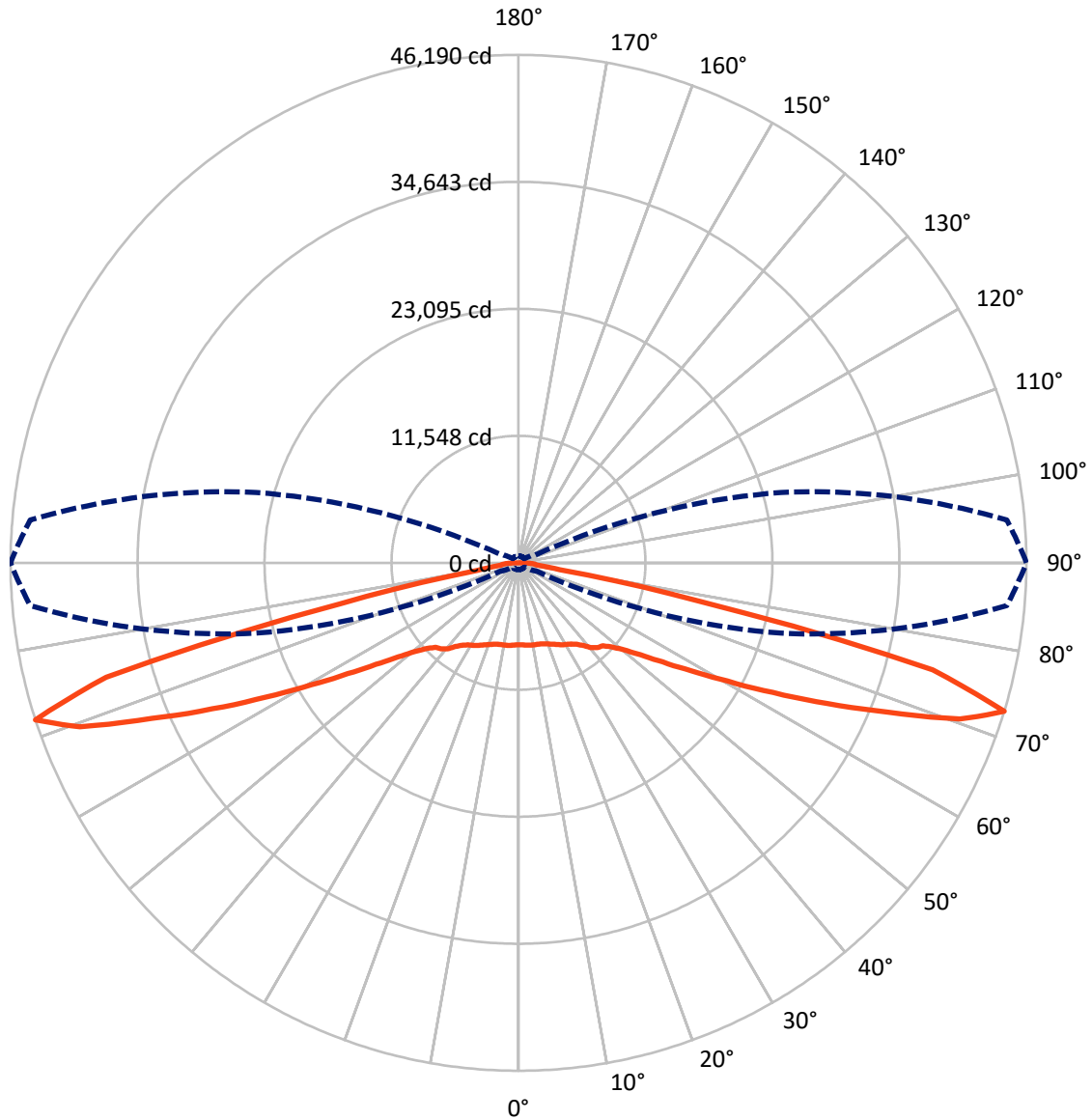
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 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
House Side	Lumens	19977.0	0.0	19977.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19977.0	0.0	19977.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	39954.0	0.0	39954.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	723.9	1.8
10°-20°	2213.4	5.5
20°-30°	3690.7	9.2
30°-40°	5075.8	12.7
40°-50°	6198.9	15.5
50°-60°	7169.7	17.9
60°-70°	8548.7	21.4
70°-80°	5966.4	14.9
80°-90°	366.5	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°	39954.0	100.0
0°-180°	39954.0	100.0

Coefficient of Utilization



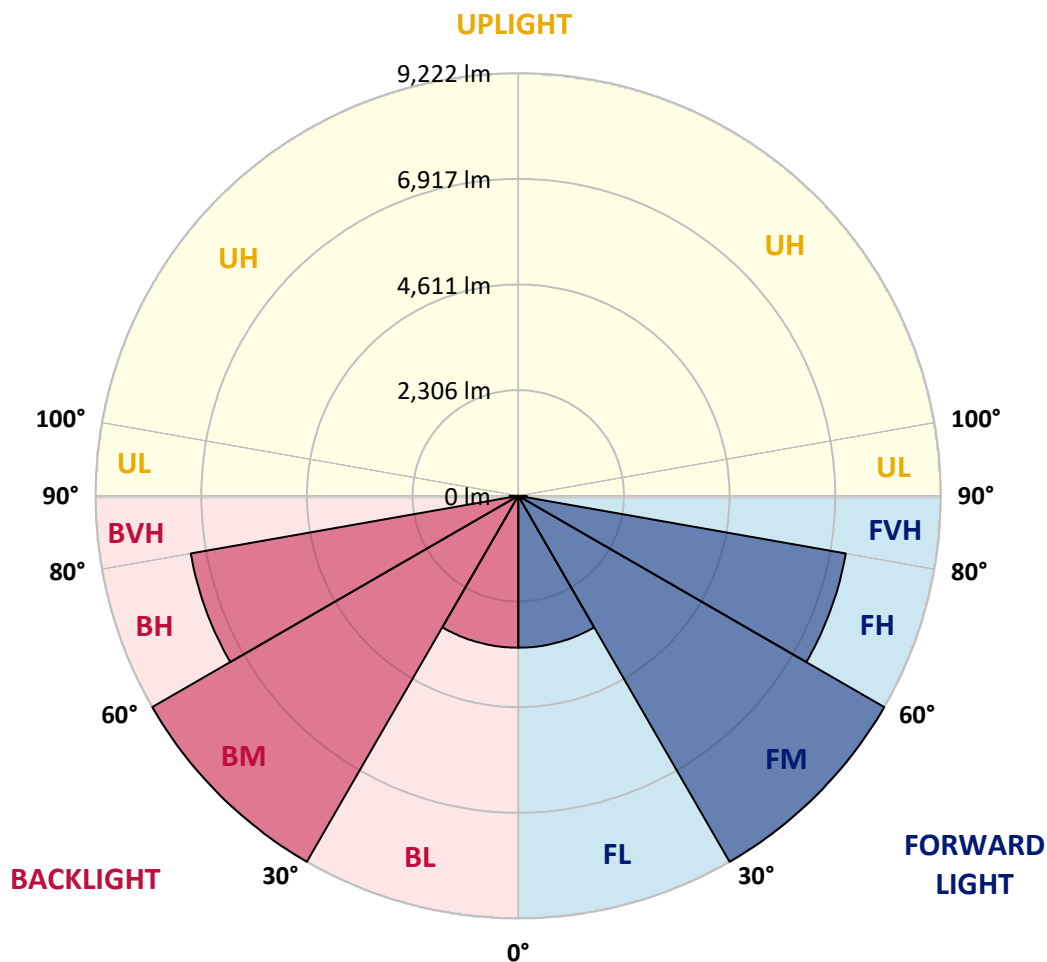
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3314.0	8.3			
FM (30°-60°)	9222.2	23.1			
FH (60°-80°)	7257.6	18.2			G3/7500
FVH (80°-90°)	183.2	0.5			G2/225
BL (0°-30°)	3314.0	8.3	B4/5000		
BM (30°-60°)	9222.2	23.1	B5		
BH (60°-80°)	7257.6	18.2	B5		G5
BVH (80°-90°)	183.2	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°	7465.8	7465.8	7465.8	7465.8	7465.8	7465.8	7465.8	7465.8	7465.8	7465.8
2.5°	7472.2	7480.7	7480.7	7474.3	7489.2	7476.4	7476.4	7470.1	7476.4	7470.1
5°	7510.4	7521.0	7525.3	7523.2	7542.3	7531.7	7531.7	7523.2	7525.3	7518.9
7.5°	7582.6	7597.5	7606.0	7616.6	7644.2	7631.5	7623.0	7597.5	7586.9	7569.9
10°	7606.0	7623.0	7650.6	7705.8	7769.5	7771.6	7746.1	7682.4	7633.6	7595.4
12.5°	7533.8	7557.1	7614.5	7727.0	7869.3	7926.6	7886.3	7780.1	7684.5	7616.6
15°	7442.5	7468.0	7555.0	7724.9	7935.1	8068.9	8064.6	7924.5	7771.6	7665.4
17.5°	7300.2	7325.7	7451.0	7688.8	7986.1	8206.9	8266.3	8122.0	7907.5	7765.2
20°	7043.3	7066.6	7240.7	7574.1	8003.0	8353.4	8508.4	8381.0	8113.5	7920.2
22.5°	6709.9	6746.0	6949.8	7376.6	7962.7	8506.3	8784.4	8697.4	8353.4	8085.9
25°	6353.2	6391.4	6629.2	7134.6	7858.7	8616.7	9111.5	9056.2	8625.2	8291.8
27.5°	6045.3	6085.6	6344.7	6894.6	7697.3	8659.2	9434.2	9461.8	8954.3	8519.0
30°	5803.2	5841.4	6117.5	6701.4	7489.2	8616.7	9716.6	9907.7	9289.8	8716.5
32.5°	5537.8	5586.6	5877.5	6465.7	7242.9	8514.8	9962.9	10389.7	9678.4	8928.8
35°	5202.3	5246.9	5552.7	6143.0	6920.1	8351.3	10168.9	10924.8	10234.7	9251.6
37.5°	4794.6	4837.1	5140.7	5739.5	6599.5	8122.0	10326.0	11527.9	10897.2	9716.6
40°	4384.8	4425.1	4709.7	5289.4	6215.2	7828.9	10381.2	12118.2	11657.4	10355.8
42.5°	4009.0	4045.1	4306.2	4845.6	5784.1	7455.2	10309.0	12632.0	12339.0	10801.7
45°	3662.8	3694.7	3926.1	4429.4	5336.1	7000.8	10092.5	13184.1	13150.1	11120.2
47.5°	3267.9	3299.7	3539.7	4025.9	4888.0	6467.8	9725.1	13727.7	14277.7	11842.1
50°	2785.9	2813.5	3059.8	3560.9	4423.0	5900.9	9215.5	14154.5	15700.3	12935.7
52.5°	2214.7	2244.4	2484.4	2985.5	3870.9	5291.5	8544.5	14432.7	17343.8	14532.5
55°	1647.7	1669.0	1877.1	2327.2	3187.2	4597.1	7703.6	14511.2	19208.2	16715.3
57.5°	1195.5	1208.2	1342.0	1677.5	2416.4	3728.7	6682.3	14307.4	21427.1	19513.9
60°	968.3	972.5	1012.9	1161.5	1679.6	2747.7	5448.6	13606.7	23835.0	23121.6
62.5°	879.1	879.1	889.7	930.0	1136.0	1813.4	3955.9	12154.3	26417.1	27680.5
65°	817.5	817.5	821.8	840.9	896.1	1155.1	2497.1	9788.8	28593.5	33020.8
67.5°	762.3	764.4	762.3	768.7	800.5	853.6	1448.1	6760.9	29765.6	38554.3
70°	705.0	709.2	698.6	698.6	724.1	726.2	906.7	3707.4	28793.1	43191.8
72.5°	637.0	643.4	626.4	622.2	641.3	632.8	681.6	1779.4	24720.5	44576.3
75°	577.6	586.1	547.8	537.2	537.2	530.8	554.2	913.1	16044.3	36363.0
77.5°	524.5	541.5	479.9	445.9	437.4	418.3	452.3	558.5	7017.8	17072.0
80°	433.2	456.5	394.9	354.6	339.7	318.5	356.7	390.7	2087.3	3964.4
82.5°	322.8	333.4	280.3	252.7	239.9	225.1	267.5	271.8	679.5	1403.6
85°	206.0	210.2	172.0	148.6	142.3	135.9	169.9	148.6	259.1	1032.0
87.5°	72.2	82.8	65.8	59.5	63.7	53.1	78.6	44.6	72.2	728.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7465.8
7470.1
7518.9
7569.9
7589.0
7606.0
7648.4
7741.9
7884.1
8037.0
8223.9
8446.8
8612.5
8797.2
9105.1
9521.3
10147.7
10534.1
10759.2
11425.9
12413.3
13889.1
15910.5
18501.1
21845.4
25971.1
30859.2
36220.7
42578.1
46190.0
38894.1
16717.4
3796.6
1586.2
1499.1
902.4
0.0

OF REPORT)