

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: P848754

Luminaire Tested: **GLAN-SB5C-722-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848754
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-SB5C-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29265 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

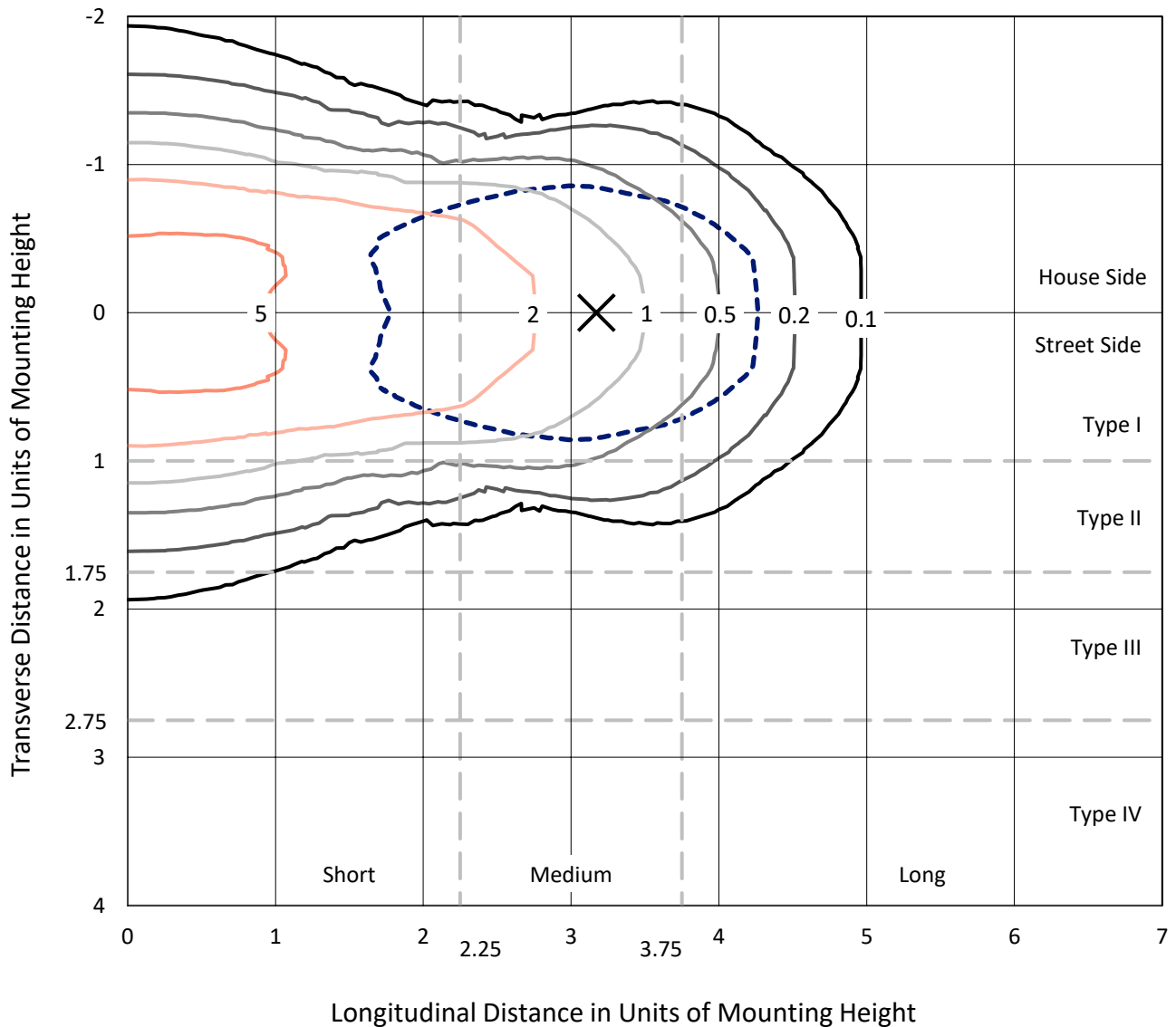
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

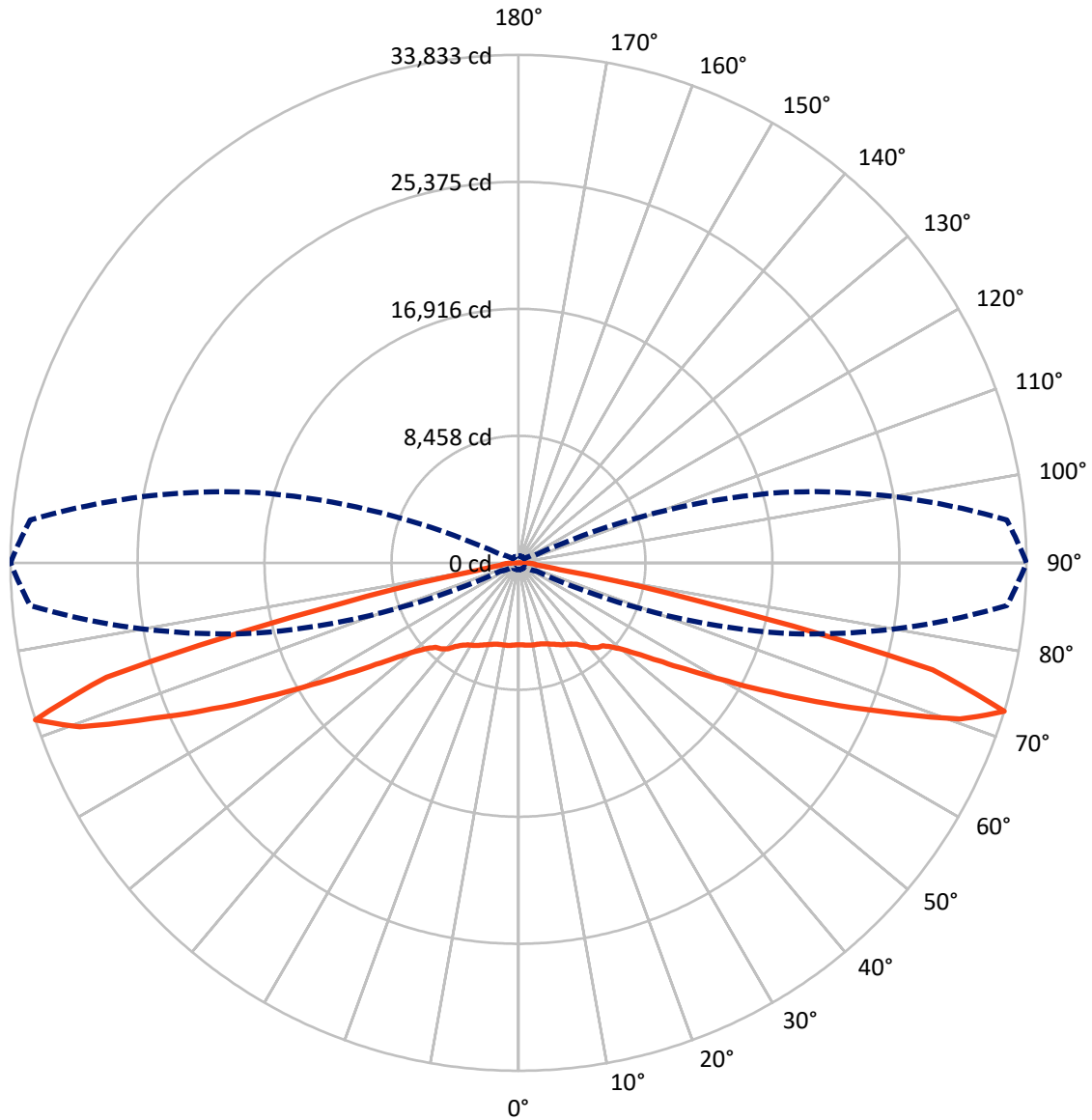
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 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	14632.5	0.0	14632.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14632.5	0.0	14632.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29265.0	0.0	29265.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	530.2	1.8
10°-20°	1621.2	5.5
20°-30°	2703.3	9.2
30°-40°	3717.9	12.7
40°-50°	4540.5	15.5
50°-60°	5251.6	17.9
60°-70°	6261.6	21.4
70°-80°	4370.2	14.9
80°-90°	268.4	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°	29265.0	100.0
0°-180°	29265.0	100.0

Coefficient of Utilization

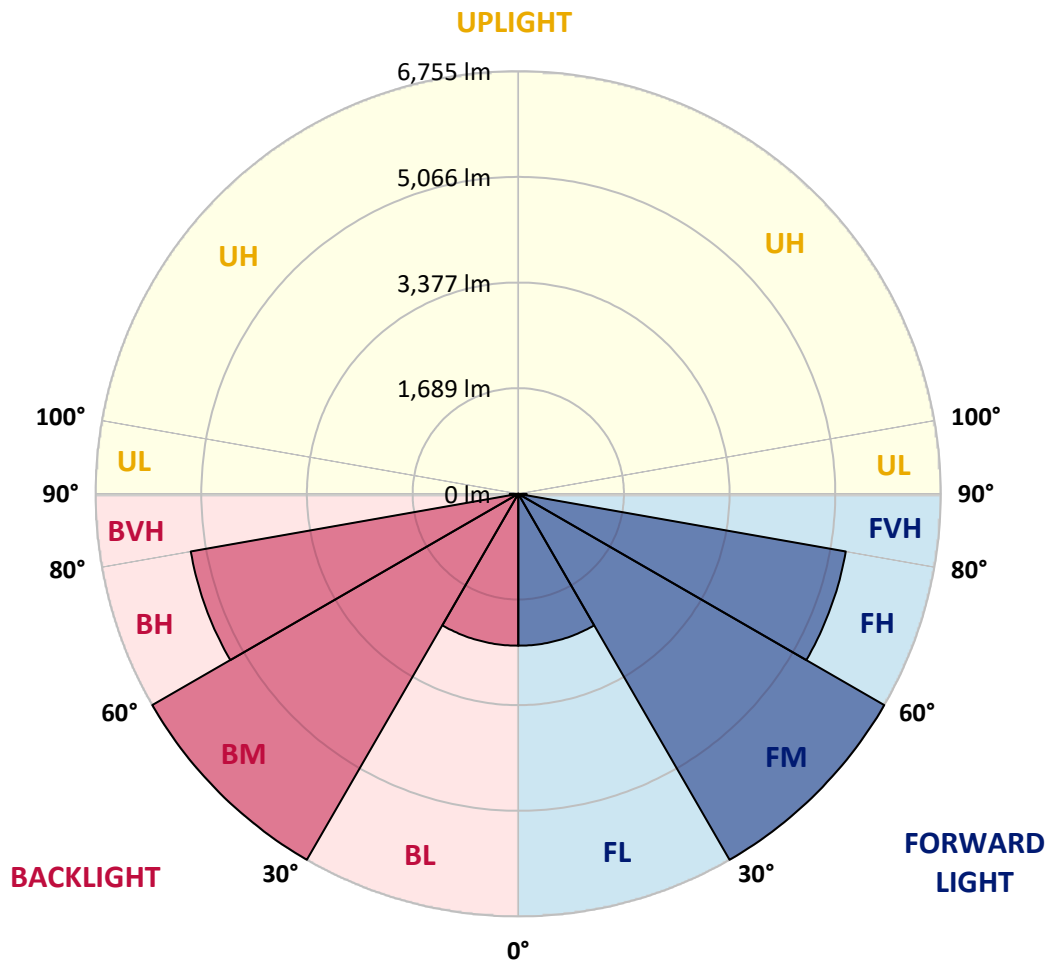


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2427.4	8.3			
FM (30°-60°)	6755.0	23.1			
FH (60°-80°)	5315.9	18.2			G3/7500
FVH (80°-90°)	134.2	0.5			G2/225
BL (0°-30°)	2427.4	8.3	B3/2500		
BM (30°-60°)	6755.0	23.1	B4/8500		
BH (60°-80°)	5315.9	18.2	B5		G5
BVH (80°-90°)	134.2	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°	5468.5	5468.5	5468.5	5468.5	5468.5	5468.5	5468.5	5468.5	5468.5	5468.5
2.5°	5473.1	5479.4	5479.4	5474.7	5485.6	5476.3	5476.3	5471.6	5476.3	5471.6
5°	5501.1	5508.9	5512.0	5510.5	5524.5	5516.7	5516.7	5510.5	5512.0	5507.4
7.5°	5554.0	5564.9	5571.1	5578.9	5599.1	5589.8	5583.6	5564.9	5557.1	5544.7
10°	5571.1	5583.6	5603.8	5644.2	5690.9	5692.4	5673.8	5627.1	5591.3	5563.3
12.5°	5518.2	5535.4	5577.3	5659.8	5764.0	5806.0	5776.4	5698.7	5628.7	5578.9
15°	5451.4	5470.0	5533.8	5658.2	5812.2	5910.2	5907.1	5804.4	5692.4	5614.7
17.5°	5347.2	5365.8	5457.6	5631.8	5849.5	6011.3	6054.8	5949.1	5792.0	5687.8
20°	5159.0	5176.1	5303.6	5547.8	5862.0	6118.6	6232.1	6138.8	5942.8	5801.3
22.5°	4914.8	4941.2	5090.5	5403.2	5832.4	6230.6	6434.3	6370.6	6118.6	5922.6
25°	4653.5	4681.5	4855.7	5225.8	5756.2	6311.5	6673.8	6633.4	6317.7	6073.5
27.5°	4428.0	4457.5	4647.3	5050.1	5638.0	6342.6	6910.2	6930.5	6558.7	6239.9
30°	4250.7	4278.7	4480.9	4908.6	5485.6	6311.5	7117.1	7257.1	6804.5	6384.6
32.5°	4056.3	4092.0	4305.1	4735.9	5305.2	6236.8	7297.5	7610.1	7089.1	6540.1
35°	3810.5	3843.2	4067.1	4499.5	5068.8	6117.0	7448.4	8002.1	7496.6	6776.5
37.5°	3511.9	3543.0	3765.4	4204.0	4833.9	5949.1	7563.5	8443.8	7981.9	7117.1
40°	3211.7	3241.3	3449.7	3874.3	4552.4	5734.4	7603.9	8876.2	8538.7	7585.3
42.5°	2936.4	2962.9	3154.2	3549.2	4236.7	5460.7	7551.0	9252.5	9037.9	7911.9
45°	2682.9	2706.2	2875.8	3244.4	3908.5	5127.9	7392.4	9656.9	9632.0	8145.2
47.5°	2393.6	2417.0	2592.7	2948.9	3580.3	4737.5	7123.3	10055.1	10457.9	8674.0
50°	2040.6	2060.8	2241.2	2608.3	3239.7	4322.2	6750.1	10367.7	11500.0	9475.0
52.5°	1622.2	1644.0	1819.7	2186.8	2835.3	3875.8	6258.6	10571.5	12703.8	10644.5
55°	1206.9	1222.5	1374.9	1704.6	2334.5	3367.2	5642.7	10629.0	14069.3	12243.4
57.5°	875.6	885.0	983.0	1228.7	1769.9	2731.1	4894.6	10479.7	15694.6	14293.3
60°	709.2	712.3	741.9	850.8	1230.3	2012.6	3990.9	9966.4	17458.4	16935.8
62.5°	643.9	643.9	651.7	681.2	832.1	1328.2	2897.5	8902.6	19349.6	20275.0
65°	598.8	598.8	601.9	615.9	656.3	846.1	1829.0	7170.0	20943.8	24186.6
67.5°	558.4	559.9	558.4	563.0	586.4	625.2	1060.7	4952.1	21802.4	28239.8
70°	516.4	519.5	511.7	511.7	530.4	531.9	664.1	2715.6	21090.0	31636.6
72.5°	466.6	471.3	458.8	455.7	469.7	463.5	499.3	1303.4	18106.9	32650.6
75°	423.0	429.3	401.3	393.5	393.5	388.8	405.9	668.8	11751.9	26634.7
77.5°	384.2	396.6	351.5	326.6	320.4	306.4	331.3	409.0	5140.3	12504.7
80°	317.3	334.4	289.3	259.7	248.8	233.3	261.3	286.2	1528.9	2903.8
82.5°	236.4	244.2	205.3	185.1	175.8	164.9	196.0	199.1	497.7	1028.1
85°	150.9	154.0	126.0	108.9	104.2	99.5	124.4	108.9	189.7	755.9
87.5°	52.9	60.7	48.2	43.5	46.7	38.9	57.5	32.7	52.9	533.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5468.5
5471.6
5507.4
5544.7
5558.7
5571.1
5602.2
5670.7
5774.9
5886.9
6023.7
6187.0
6308.3
6443.7
6669.2
6974.0
7432.8
7715.9
7880.8
8369.1
9092.3
10173.3
11653.9
13551.4
16001.0
19023.0
22603.3
26530.5
31187.1
33832.7
28488.6
12245.0
2780.9
1161.8
1098.0
661.0
0.0

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