

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: P848824

Luminaire Tested: **GLAN-SB5C-827-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848824
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-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29839 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

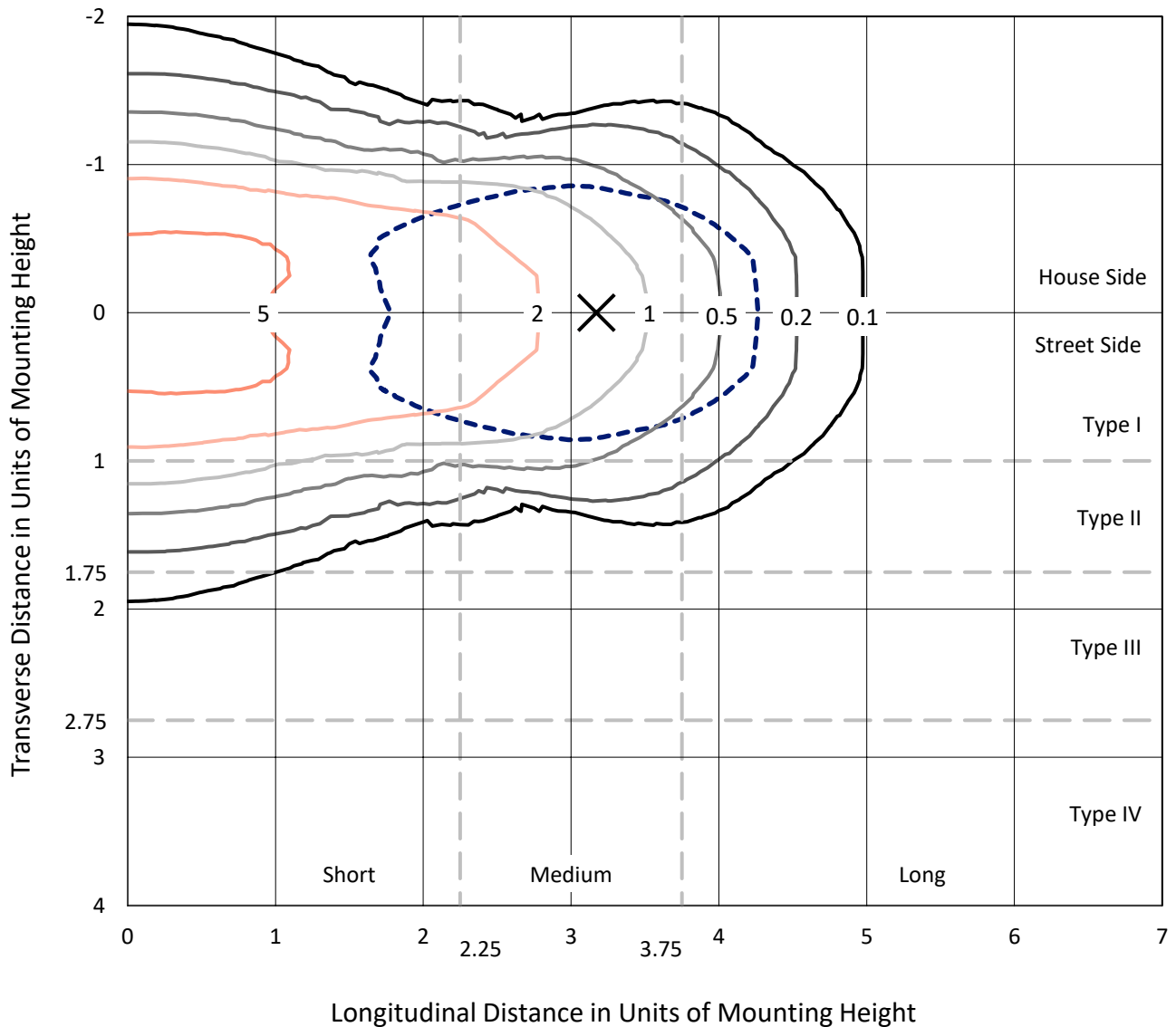
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

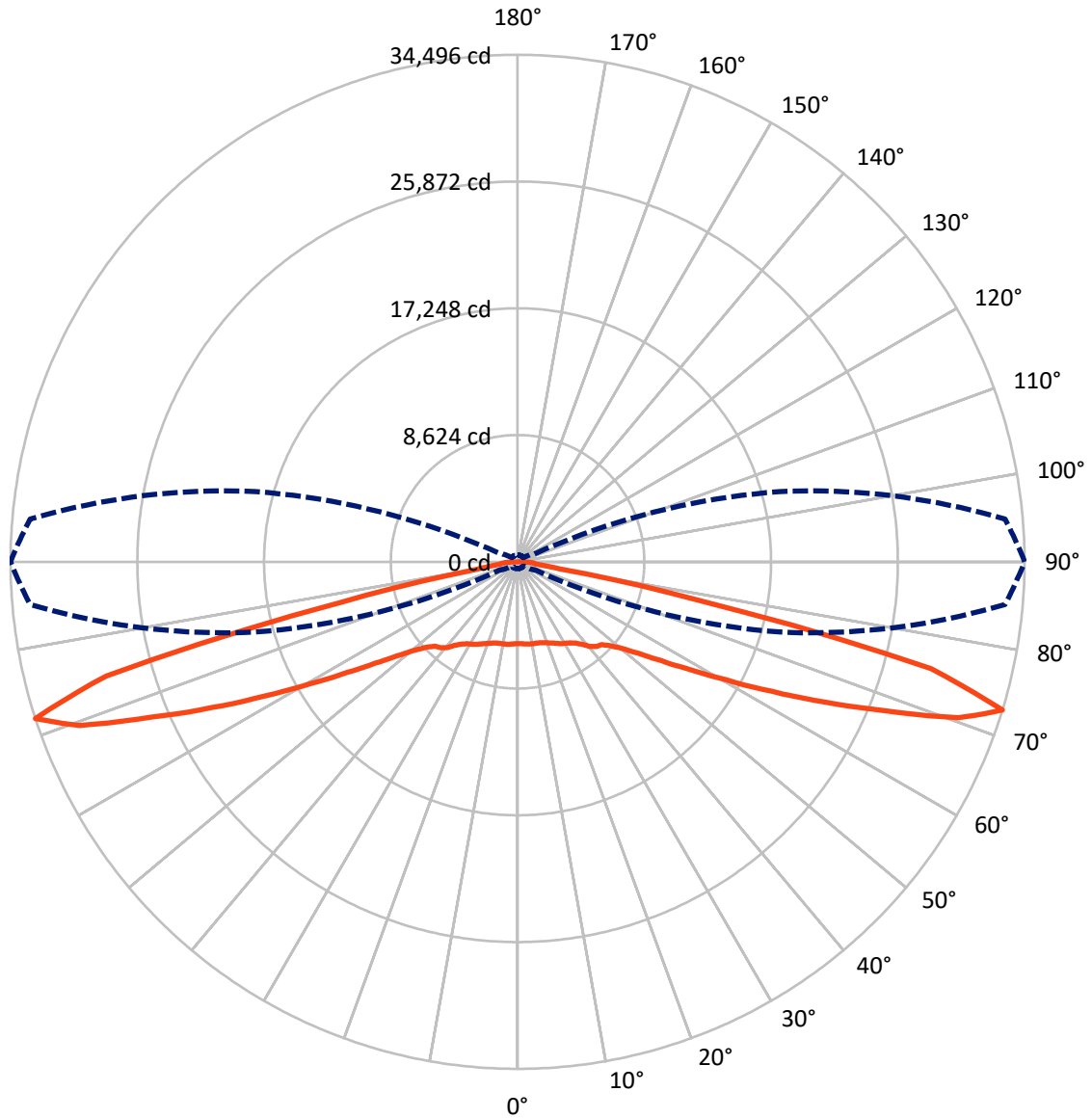
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 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	14919.5	0.0	14919.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14919.5	0.0	14919.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29839.0	0.0	29839.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	540.6	1.8
10°-20°	1653.0	5.5
20°-30°	2756.3	9.2
30°-40°	3790.8	12.7
40°-50°	4629.6	15.5
50°-60°	5354.6	17.9
60°-70°	6384.5	21.4
70°-80°	4455.9	14.9
80°-90°	273.7	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°	29839.0	100.0
0°-180°	29839.0	100.0

Coefficient of Utilization



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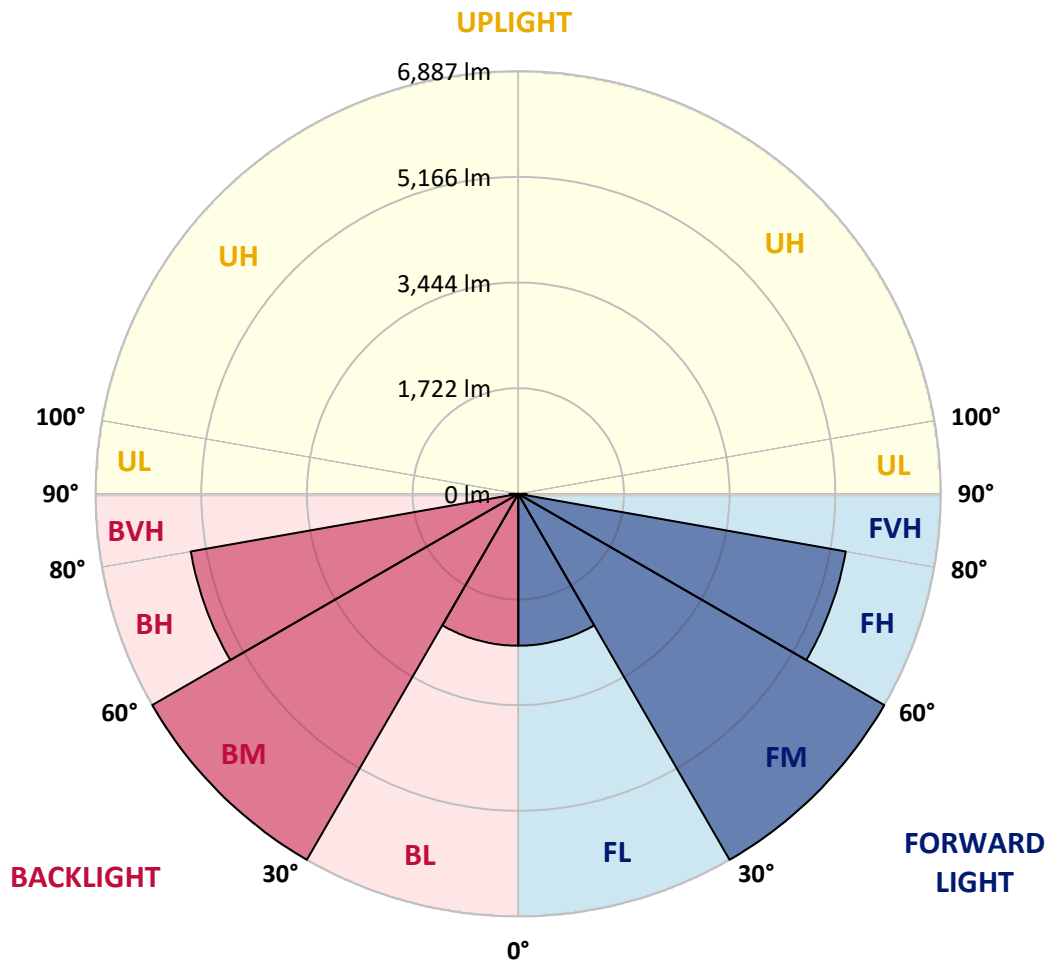
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2475.0	8.3			
FM (30°-60°)	6887.5	23.1			
FH (60°-80°)	5420.2	18.2			G3/7500
FVH (80°-90°)	136.8	0.5			G2/225
BL (0°-30°)	2475.0	8.3	B3/2500		
BM (30°-60°)	6887.5	23.1	B4/8500		
BH (60°-80°)	5420.2	18.2	B5		G5
BVH (80°-90°)	136.8	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°	5575.7	5575.7	5575.7	5575.7	5575.7	5575.7	5575.7	5575.7	5575.7	5575.7
2.5°	5580.5	5586.8	5586.8	5582.1	5593.2	5583.7	5583.7	5578.9	5583.7	5578.9
5°	5609.0	5617.0	5620.1	5618.5	5632.8	5624.9	5624.9	5618.5	5620.1	5615.4
7.5°	5663.0	5674.1	5680.4	5688.3	5708.9	5699.4	5693.1	5674.1	5666.1	5653.4
10°	5680.4	5693.1	5713.7	5754.9	5802.5	5804.1	5785.1	5737.5	5701.0	5672.5
12.5°	5626.5	5643.9	5686.7	5770.8	5877.0	5919.9	5889.7	5810.4	5739.1	5688.3
15°	5558.3	5577.3	5642.3	5769.2	5926.2	6026.1	6022.9	5918.3	5804.1	5724.8
17.5°	5452.0	5471.1	5564.6	5742.2	5964.3	6129.2	6173.6	6065.7	5905.6	5799.3
20°	5260.2	5277.6	5407.6	5656.6	5976.9	6238.6	6354.4	6259.2	6059.4	5915.1
22.5°	5011.2	5038.1	5190.4	5509.1	5946.8	6352.8	6560.5	6495.5	6238.6	6038.8
25°	4744.8	4773.3	4950.9	5328.3	5869.1	6435.2	6804.7	6763.5	6441.6	6192.6
27.5°	4514.8	4545.0	4738.4	5149.1	5748.6	6467.0	7045.8	7066.4	6687.4	6362.3
30°	4334.0	4362.6	4568.7	5004.8	5593.2	6435.2	7256.7	7399.4	6937.9	6509.8
32.5°	4135.8	4172.3	4389.5	4828.8	5409.2	6359.1	7440.7	7759.4	7228.2	6668.4
35°	3885.3	3918.6	4146.9	4587.8	5168.2	6237.0	7594.5	8159.0	7643.6	6909.4
37.5°	3580.8	3612.5	3839.3	4286.5	4928.7	6065.7	7711.8	8609.4	8138.4	7256.7
40°	3274.7	3304.8	3517.3	3950.3	4641.7	5846.9	7753.1	9050.3	8706.1	7734.0
42.5°	2994.0	3021.0	3216.0	3618.8	4319.8	5567.8	7699.1	9434.0	9215.2	8067.1
45°	2735.5	2759.3	2932.2	3308.0	3985.2	5228.4	7537.4	9846.3	9821.0	8304.9
47.5°	2440.6	2464.4	2643.6	3006.7	3650.6	4830.4	7263.0	10252.3	10663.0	8844.1
50°	2080.6	2101.2	2285.2	2659.4	3303.3	4407.0	6882.4	10571.1	11725.5	9660.8
52.5°	1654.0	1676.2	1855.4	2229.7	2890.9	3951.9	6381.3	10778.8	12953.0	10853.3
55°	1230.6	1246.5	1401.9	1738.1	2380.3	3433.3	5753.3	10837.5	14345.3	12483.6
57.5°	892.8	902.3	1002.2	1252.8	1804.7	2784.7	4990.6	10685.2	16002.5	14573.7
60°	723.1	726.3	756.4	867.4	1254.4	2052.0	4069.2	10161.9	17800.8	17268.0
62.5°	656.5	656.5	664.5	694.6	848.4	1354.3	2954.4	9077.2	19729.1	20672.7
65°	610.5	610.5	613.7	628.0	669.2	862.7	1864.9	7310.6	21354.6	24661.0
67.5°	569.3	570.9	569.3	574.1	597.9	637.5	1081.5	5049.2	22230.0	28793.7
70°	526.5	529.7	521.7	521.7	540.8	542.3	677.1	2768.8	21503.7	32257.1
72.5°	475.7	480.5	467.8	464.6	478.9	472.6	509.0	1328.9	18462.1	33291.1
75°	431.3	437.7	409.1	401.2	401.2	396.5	413.9	681.9	11982.4	27157.1
77.5°	391.7	404.4	358.4	333.0	326.7	312.4	337.8	417.1	5241.1	12750.0
80°	323.5	341.0	295.0	264.8	253.7	237.9	266.4	291.8	1558.9	2960.7
82.5°	241.0	249.0	209.3	188.7	179.2	168.1	199.8	203.0	507.5	1048.2
85°	153.8	157.0	128.5	111.0	106.2	101.5	126.9	111.0	193.5	770.7
87.5°	53.9	61.8	49.2	44.4	47.6	39.6	58.7	33.3	53.9	543.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5575.7
5578.9
5615.4
5653.4
5667.7
5680.4
5712.1
5781.9
5888.1
6002.3
6141.9
6308.4
6432.1
6570.0
6800.0
7110.8
7578.6
7867.2
8035.3
8533.3
9270.7
10372.8
11882.5
13817.2
16314.9
19396.1
23046.7
27050.9
31798.8
34496.3
29047.4
12485.1
2835.4
1184.6
1119.6
674.0
0.0

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