

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: P848874

Luminaire Tested: **GLAN-SB5C-927-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848874
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-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24101 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

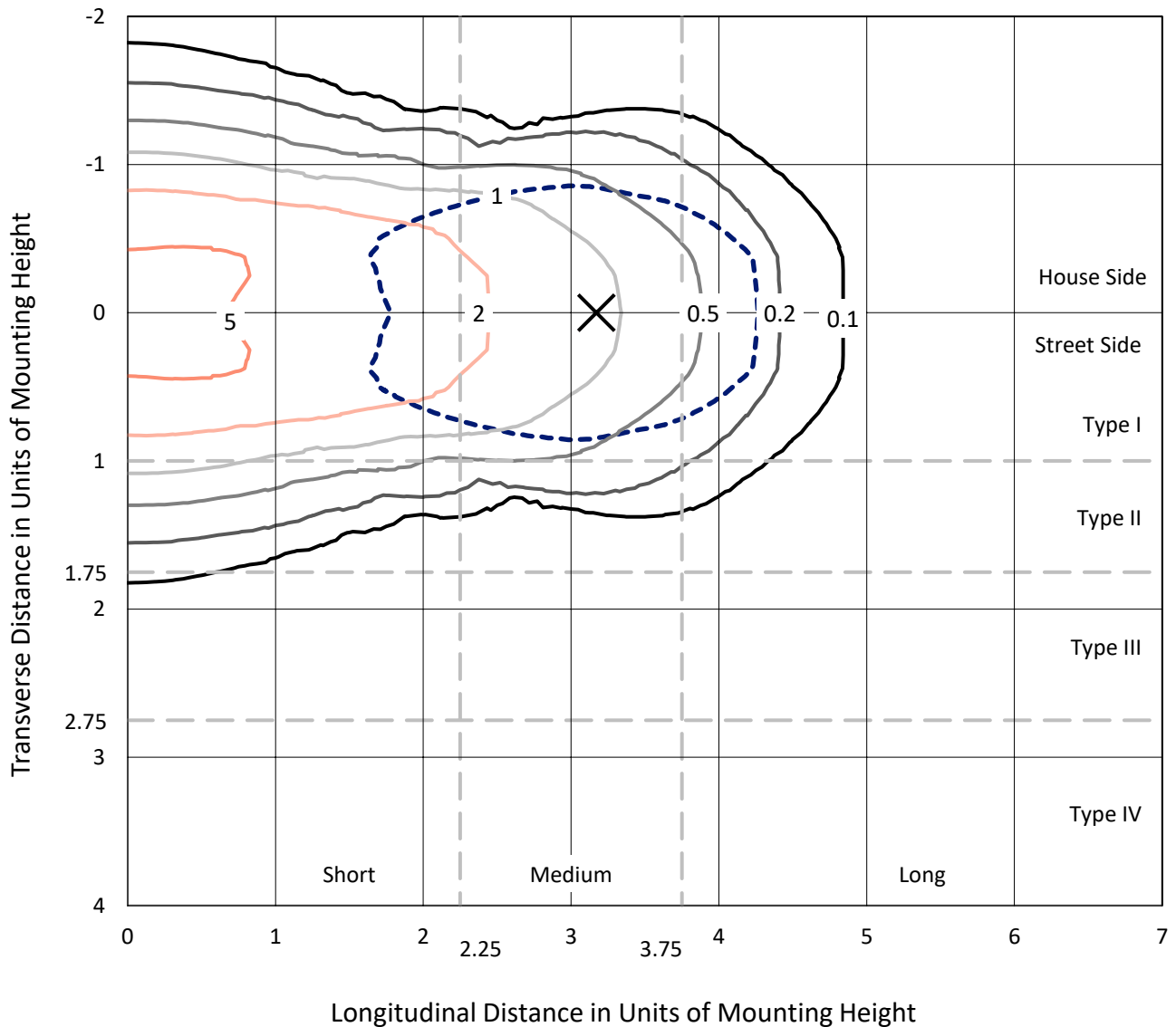
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

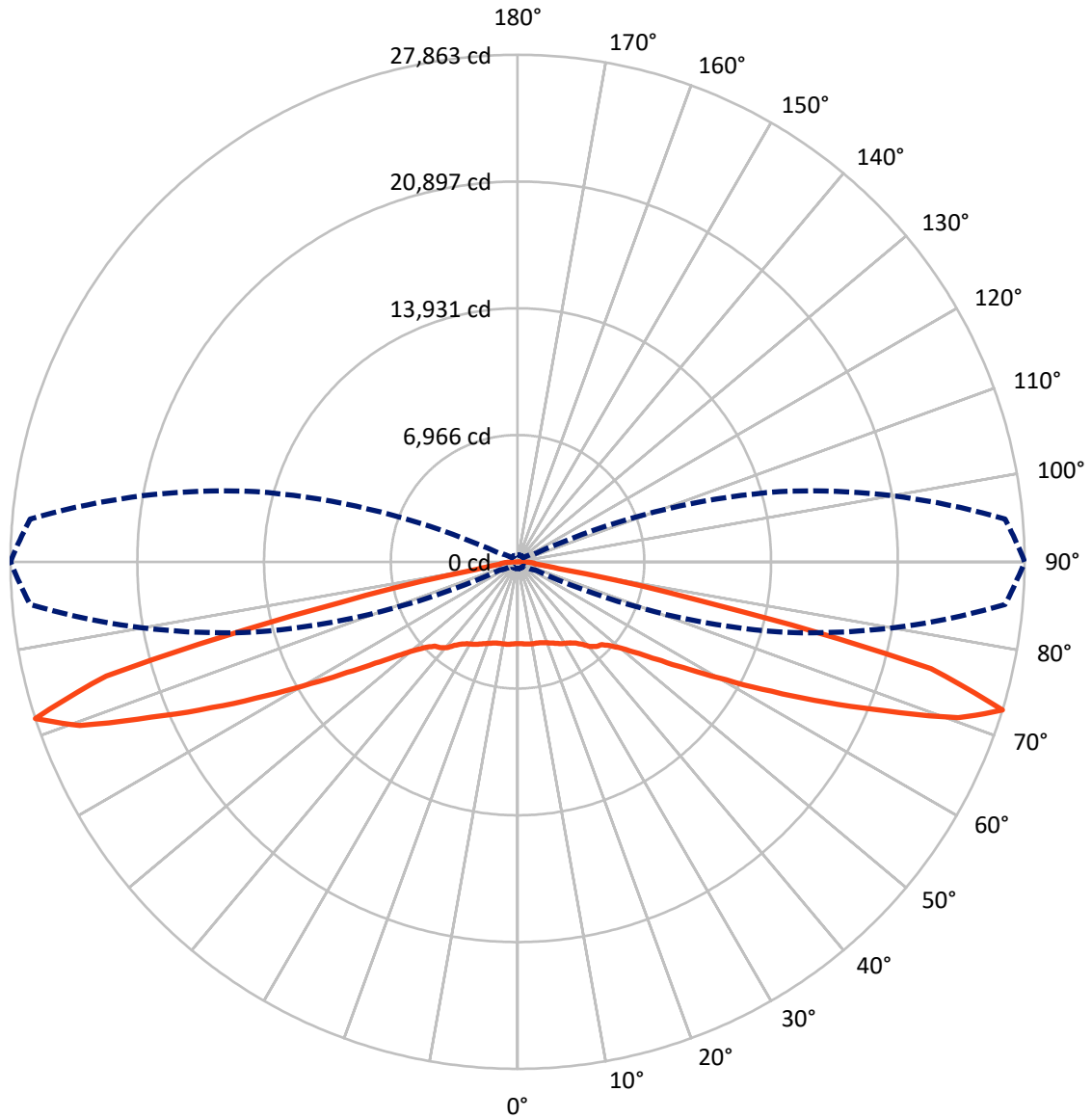
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 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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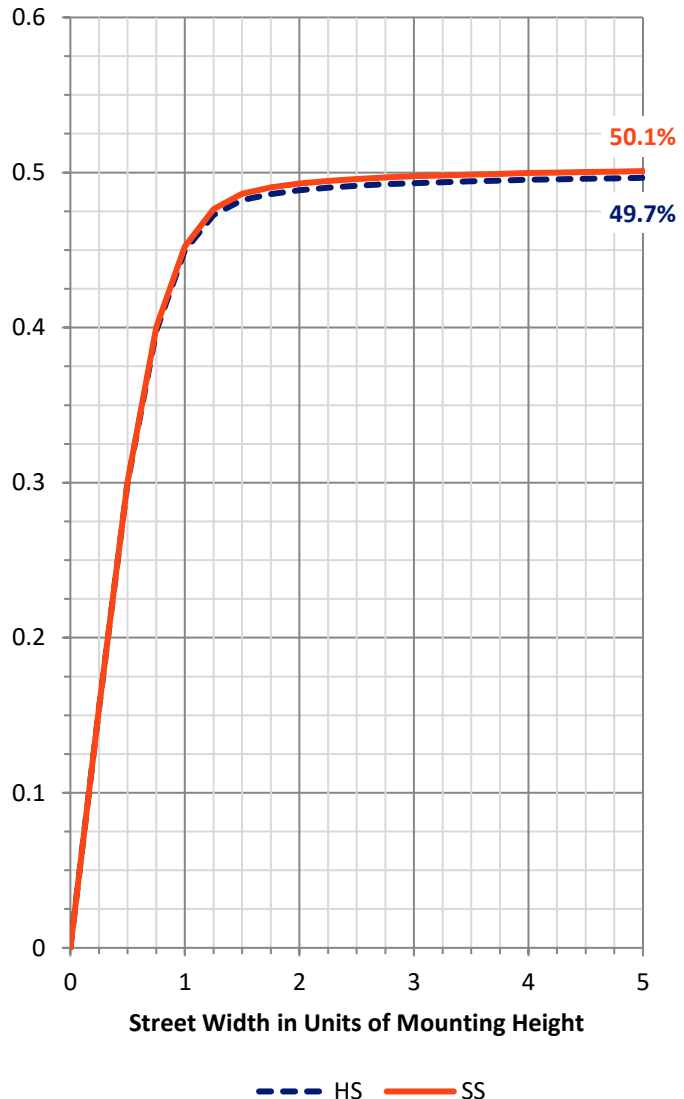
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12050.5	0.0	12050.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12050.5	0.0	12050.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24101.0	0.0	24101.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	436.7	1.8
10°-20°	1335.2	5.5
20°-30°	2226.3	9.2
30°-40°	3061.8	12.7
40°-50°	3739.3	15.5
50°-60°	4324.9	17.9
60°-70°	5156.7	21.4
70°-80°	3599.1	14.9
80°-90°	221.1	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°	24101.0	100.0
0°-180°	24101.0	100.0

Coefficient of Utilization

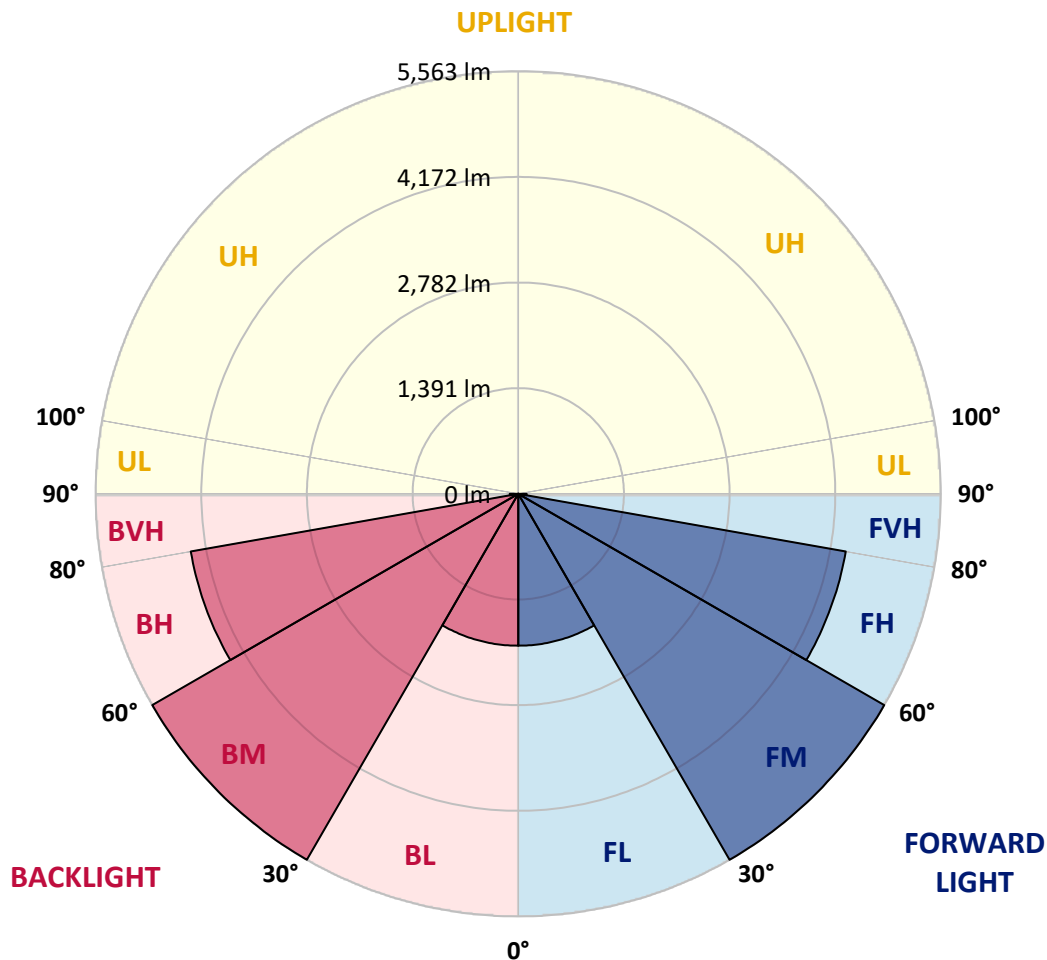


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1999.1	8.3			
FM (30°-60°)	5563.0	23.1			
FH (60°-80°)	4377.9	18.2			G2/5000
FVH (80°-90°)	110.5	0.5			G2/225
BL (0°-30°)	1999.1	8.3	B3/2500		
BM (30°-60°)	5563.0	23.1	B4/8500		
BH (60°-80°)	4377.9	18.2	B4/5000		G4/5000
BVH (80°-90°)	110.5	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4503.5	4503.5	4503.5	4503.5	4503.5	4503.5	4503.5	4503.5	4503.5	4503.5
2.5°	4507.4	4512.5	4512.5	4508.6	4517.6	4509.9	4509.9	4506.1	4509.9	4506.1
5°	4530.4	4536.8	4539.4	4538.1	4549.6	4543.2	4543.2	4538.1	4539.4	4535.5
7.5°	4574.0	4582.9	4588.1	4594.5	4611.1	4603.4	4598.3	4582.9	4576.5	4566.3
10°	4588.1	4598.3	4615.0	4648.3	4686.7	4688.0	4672.6	4634.2	4604.7	4581.7
12.5°	4544.5	4558.6	4593.2	4661.1	4746.9	4781.5	4757.1	4693.1	4635.5	4594.5
15°	4489.4	4504.8	4557.3	4659.8	4786.6	4867.3	4864.7	4780.2	4688.0	4623.9
17.5°	4403.6	4419.0	4494.6	4638.0	4817.3	4950.5	4986.4	4899.3	4769.9	4684.1
20°	4248.6	4262.7	4367.8	4568.9	4827.6	5038.9	5132.4	5055.6	4894.2	4777.6
22.5°	4047.5	4069.3	4192.3	4449.7	4803.2	5131.2	5298.9	5246.4	5038.9	4877.5
25°	3832.4	3855.4	3998.9	4303.7	4740.5	5197.8	5496.2	5462.9	5202.9	5001.8
27.5°	3646.6	3671.0	3827.2	4159.0	4643.1	5223.4	5690.9	5707.5	5401.4	5138.8
30°	3500.6	3523.7	3690.2	4042.4	4517.6	5197.8	5861.2	5976.5	5603.8	5258.0
32.5°	3340.5	3370.0	3545.4	3900.2	4369.0	5136.3	6009.8	6267.3	5838.2	5386.0
35°	3138.1	3165.0	3349.5	3705.5	4174.3	5037.6	6134.1	6590.1	6173.8	5580.7
37.5°	2892.2	2917.8	3101.0	3462.2	3980.9	4899.3	6228.9	6953.8	6573.4	5861.2
40°	2645.0	2669.3	2841.0	3190.6	3749.1	4722.6	6262.2	7309.9	7032.0	6246.8
42.5°	2418.3	2440.1	2597.6	2922.9	3489.1	4497.1	6218.6	7619.9	7443.1	6515.8
45°	2209.5	2228.7	2368.3	2671.9	3218.8	4223.0	6088.0	7952.9	7932.4	6707.9
47.5°	1971.3	1990.5	2135.2	2428.5	2948.6	3901.5	5866.4	8280.8	8612.5	7143.4
50°	1680.5	1697.1	1845.7	2148.0	2668.0	3559.5	5559.0	8538.3	9470.7	7803.0
52.5°	1335.9	1353.9	1498.6	1800.9	2335.0	3191.9	5154.2	8706.0	10462.1	8766.2
55°	994.0	1006.8	1132.3	1403.8	1922.6	2773.1	4647.0	8753.4	11586.7	10083.0
57.5°	721.1	728.8	809.5	1011.9	1457.6	2249.2	4030.9	8630.5	12925.2	11771.2
60°	584.1	586.6	611.0	700.6	1013.2	1657.4	3286.7	8207.8	14377.7	13947.4
62.5°	530.3	530.3	536.7	561.0	685.3	1093.9	2386.3	7331.7	15935.3	16697.4
65°	493.1	493.1	495.7	507.2	540.5	696.8	1506.3	5904.8	17248.1	19918.8
67.5°	459.8	461.1	459.8	463.7	482.9	514.9	873.6	4078.3	17955.2	23256.7
70°	425.2	427.8	421.4	421.4	436.8	438.1	546.9	2236.4	17368.5	26054.1
72.5°	384.3	388.1	377.9	375.3	386.8	381.7	411.2	1073.4	14911.8	26889.2
75°	348.4	353.5	330.5	324.1	324.1	320.2	334.3	550.8	9678.2	21934.8
77.5°	316.4	326.6	289.5	269.0	263.9	252.3	272.8	336.9	4233.3	10298.2
80°	261.3	275.4	238.2	213.9	204.9	192.1	215.2	235.7	1259.1	2391.4
82.5°	194.7	201.1	169.1	152.4	144.7	135.8	161.4	164.0	409.9	846.7
85°	124.2	126.8	103.8	89.7	85.8	82.0	102.5	89.7	156.3	622.5
87.5°	43.5	50.0	39.7	35.9	38.4	32.0	47.4	26.9	43.5	439.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4503.5
4506.1
4535.5
4566.3
4577.8
4588.1
4613.7
4670.0
4755.9
4848.1
4960.8
5095.3
5195.2
5306.6
5492.4
5743.4
6121.3
6354.4
6490.2
6892.3
7487.9
8378.1
9597.5
11160.2
13177.6
15666.3
18614.8
21849.0
25683.9
27862.7
23461.6
10084.3
2290.2
956.8
904.3
544.4
0.0

OF REPORT)