

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: P848664

Luminaire Tested: **GLAN-SB5B-830-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848664
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-SB5B-830-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24162 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

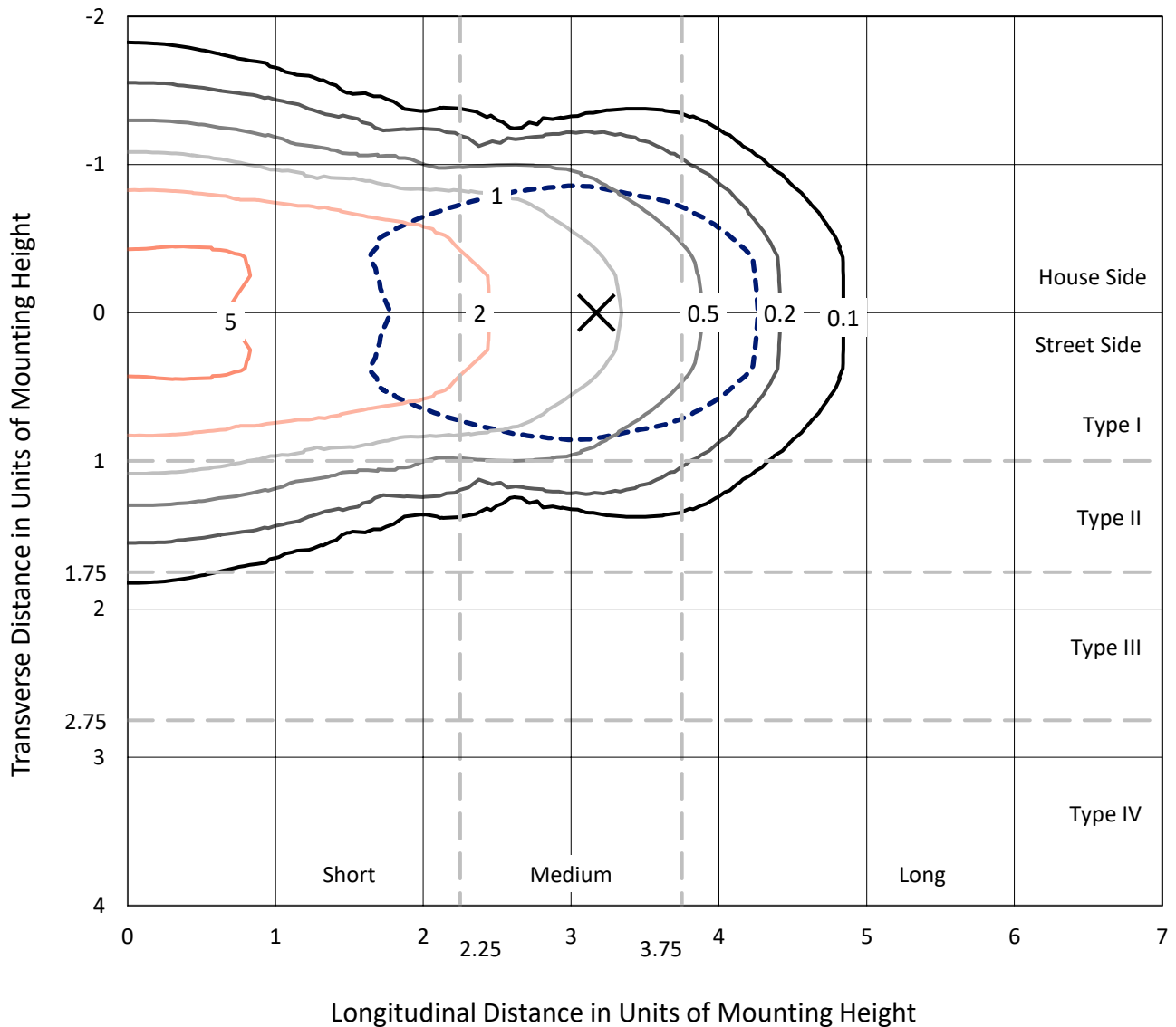
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

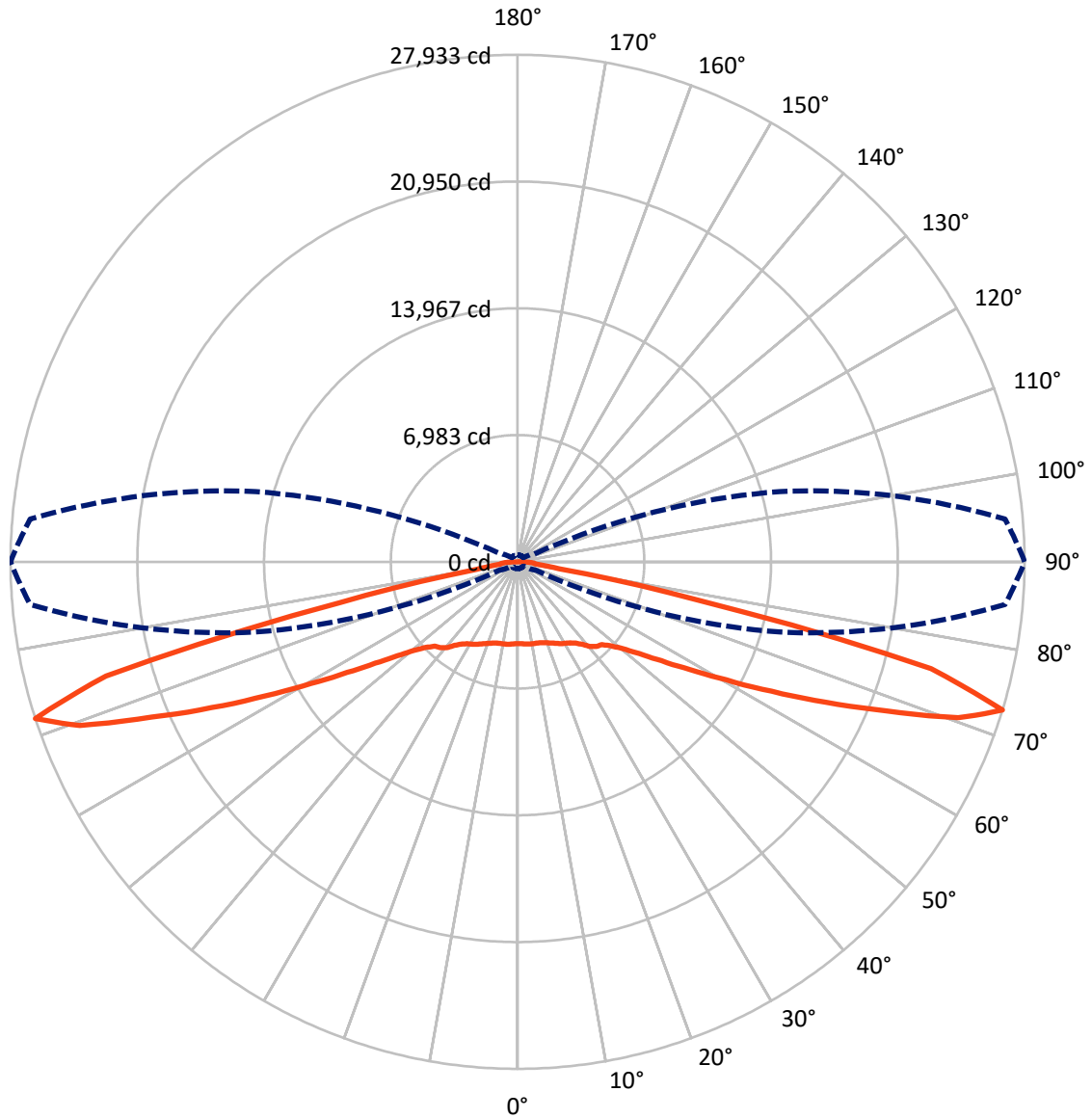
× Max cd
 - - - 1/2 Max cd



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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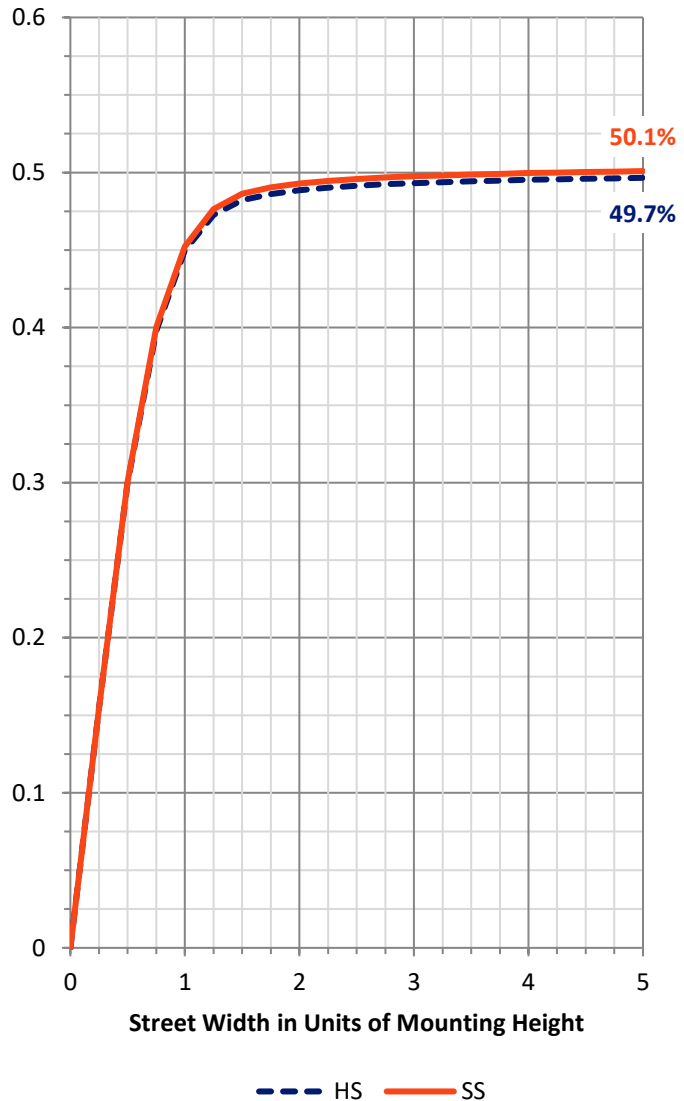
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12081.0	0.0	12081.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12081.0	0.0	12081.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24162.0	0.0	24162.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	437.8	1.8
10°-20°	1338.5	5.5
20°-30°	2231.9	9.2
30°-40°	3069.6	12.7
40°-50°	3748.8	15.5
50°-60°	4335.9	17.9
60°-70°	5169.8	21.4
70°-80°	3608.2	14.9
80°-90°	221.6	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°	24162.0	100.0
0°-180°	24162.0	100.0

Coefficient of Utilization

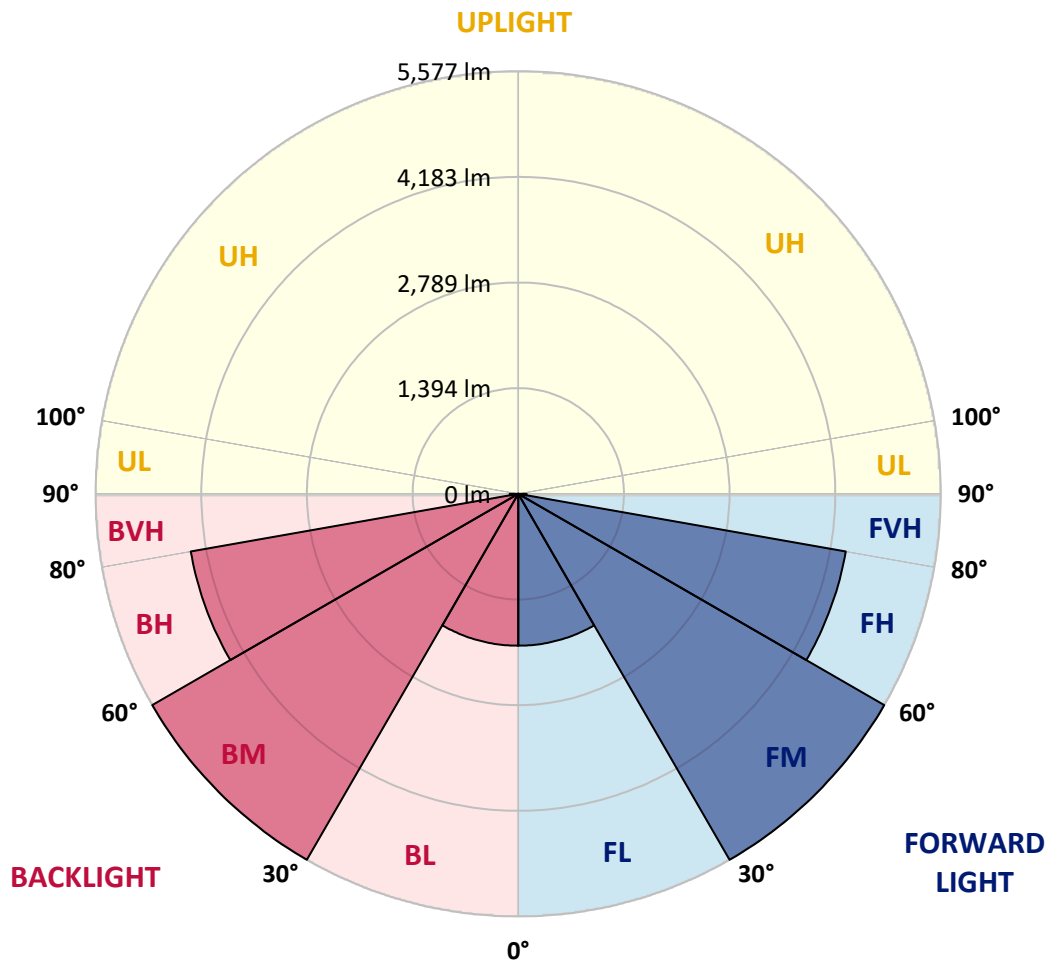


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2004.1	8.3			
FM (30°-60°)	5577.1	23.1			
FH (60°-80°)	4389.0	18.2			G2/5000
FVH (80°-90°)	110.8	0.5			G2/225
BL (0°-30°)	2004.1	8.3	B3/2500		
BM (30°-60°)	5577.1	23.1	B4/8500		
BH (60°-80°)	4389.0	18.2	B4/5000		G4/5000
BVH (80°-90°)	110.8	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4514.9	4514.9	4514.9	4514.9	4514.9	4514.9	4514.9	4514.9	4514.9	4514.9
2.5°	4518.8	4523.9	4523.9	4520.1	4529.0	4521.3	4521.3	4517.5	4521.3	4517.5
5°	4541.9	4548.3	4550.9	4549.6	4561.2	4554.7	4554.7	4549.6	4550.9	4547.0
7.5°	4585.6	4594.5	4599.7	4606.1	4622.8	4615.1	4609.9	4594.5	4588.1	4577.8
10°	4599.7	4609.9	4626.6	4660.0	4698.6	4699.8	4684.4	4645.9	4616.4	4593.3
12.5°	4556.0	4570.1	4604.8	4672.9	4758.9	4793.6	4769.2	4705.0	4647.2	4606.1
15°	4500.8	4516.2	4568.9	4671.6	4798.7	4879.6	4877.0	4792.3	4699.8	4635.6
17.5°	4414.8	4430.2	4505.9	4649.8	4829.5	4963.1	4999.0	4911.7	4782.0	4696.0
20°	4259.4	4273.5	4378.8	4580.4	4839.8	5051.7	5145.4	5068.4	4906.6	4789.7
22.5°	4057.8	4079.6	4202.9	4461.0	4815.4	5144.1	5312.4	5259.7	5051.7	4889.9
25°	3842.1	3865.2	4009.0	4314.6	4752.5	5210.9	5510.1	5476.7	5216.0	5014.4
27.5°	3655.9	3680.3	3836.9	4169.5	4654.9	5236.6	5705.3	5722.0	5415.1	5151.8
30°	3509.5	3532.6	3699.5	4052.6	4529.0	5210.9	5876.1	5991.6	5618.0	5271.3
32.5°	3349.0	3378.5	3554.4	3910.1	4380.1	5149.3	6025.0	6283.1	5853.0	5399.7
35°	3146.1	3173.0	3357.9	3714.9	4184.9	5050.4	6149.6	6606.7	6189.4	5594.9
37.5°	2899.5	2925.2	3108.8	3470.9	3991.0	4911.7	6244.6	6971.4	6590.0	5876.1
40°	2651.7	2676.1	2848.2	3198.7	3758.6	4734.5	6278.0	7328.4	7049.8	6262.6
42.5°	2424.4	2446.2	2604.2	2930.3	3497.9	4508.5	6234.3	7639.2	7462.0	6532.3
45°	2215.1	2234.3	2374.3	2678.6	3227.0	4233.7	6103.4	7973.0	7952.5	6724.9
47.5°	1976.2	1995.5	2140.6	2434.7	2956.0	3911.4	5881.2	8301.8	8634.3	7161.5
50°	1684.8	1701.4	1850.4	2153.4	2674.8	3568.5	5573.0	8559.9	9494.7	7822.8
52.5°	1339.3	1357.3	1502.4	1805.5	2340.9	3200.0	5167.3	8728.1	10488.6	8788.4
55°	996.5	1009.3	1135.2	1407.4	1927.4	2780.1	4658.7	8775.6	11616.0	10108.5
57.5°	723.0	730.7	811.6	1014.4	1461.3	2254.9	4041.1	8652.3	12957.9	11801.0
60°	585.6	588.1	612.5	702.4	1015.7	1661.6	3295.0	8228.6	14414.1	13982.7
62.5°	531.6	531.6	538.0	562.4	687.0	1096.6	2392.3	7350.2	15975.6	16739.6
65°	494.4	494.4	496.9	508.5	541.9	698.6	1510.1	5919.7	17291.8	19969.2
67.5°	461.0	462.3	461.0	464.8	484.1	516.2	875.8	4088.6	18000.6	23315.6
70°	426.3	428.9	422.5	422.5	437.9	439.2	548.3	2242.1	17412.5	26120.0
72.5°	385.2	389.1	378.8	376.2	387.8	382.7	412.2	1076.1	14949.6	26957.3
75°	349.3	354.4	331.3	324.9	324.9	321.0	335.2	552.2	9702.7	21990.4
77.5°	317.2	327.4	290.2	269.7	264.5	253.0	273.5	337.7	4244.0	10324.2
80°	262.0	276.1	238.8	214.4	205.5	192.6	215.7	236.3	1262.3	2397.4
82.5°	195.2	201.6	169.5	152.8	145.1	136.1	161.8	164.4	410.9	848.8
85°	124.6	127.1	104.0	89.9	86.0	82.2	102.7	89.9	156.7	624.1
87.5°	43.7	50.1	39.8	36.0	38.5	32.1	47.5	27.0	43.7	440.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4514.9
4517.5
4547.0
4577.8
4589.4
4599.7
4625.4
4681.9
4767.9
4860.3
4973.4
5108.2
5208.3
5320.1
5506.3
5757.9
6136.8
6370.5
6506.6
6909.8
7506.9
8399.4
9621.8
11188.4
13210.9
15705.9
18661.9
21904.3
25748.9
27933.2
23521.0
10109.8
2296.0
959.2
906.6
545.7
0.0

OF REPORT)