

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: P848704

Luminaire Tested: **GLAN-SB5B-927-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848704
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-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18121 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

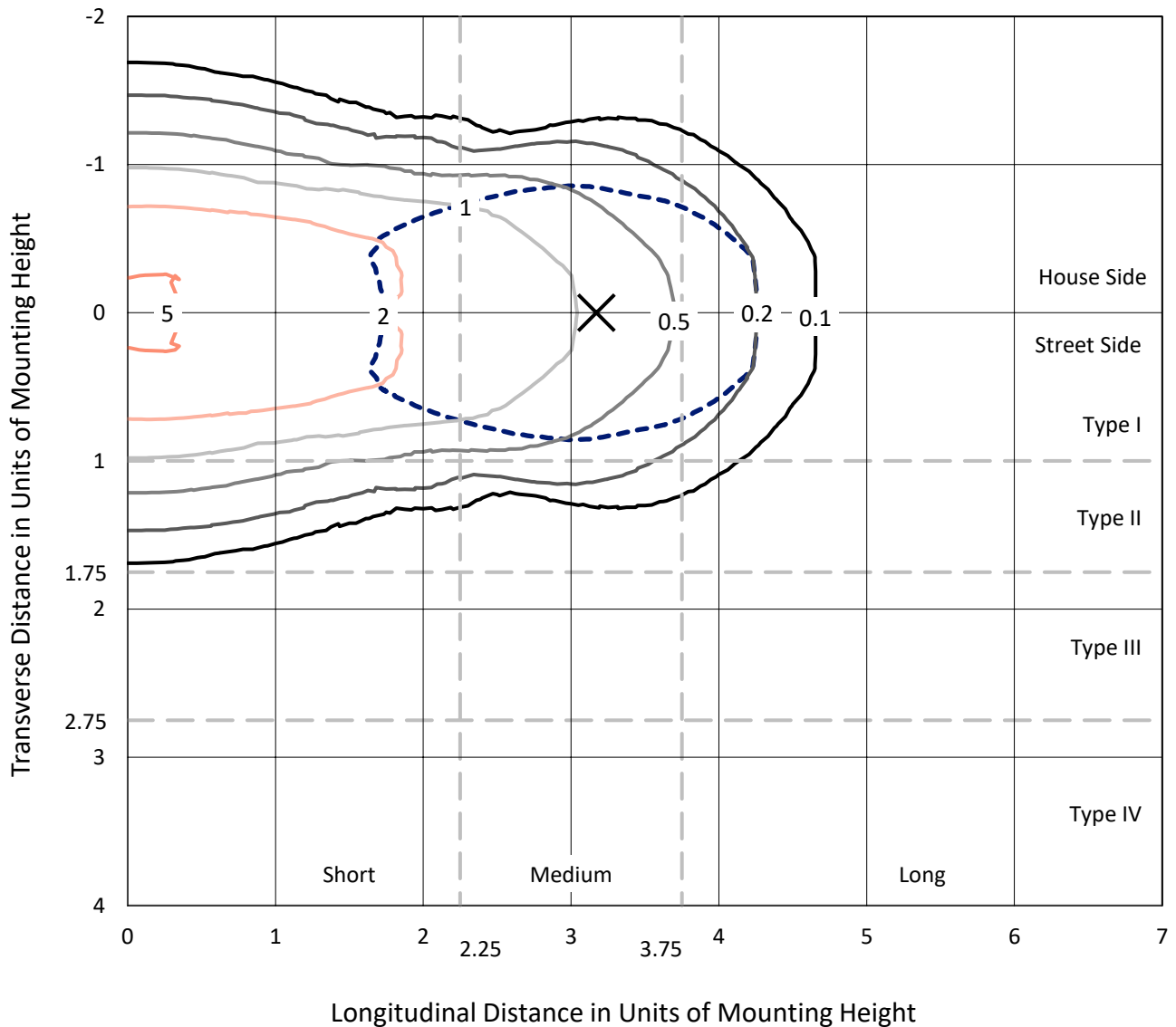
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

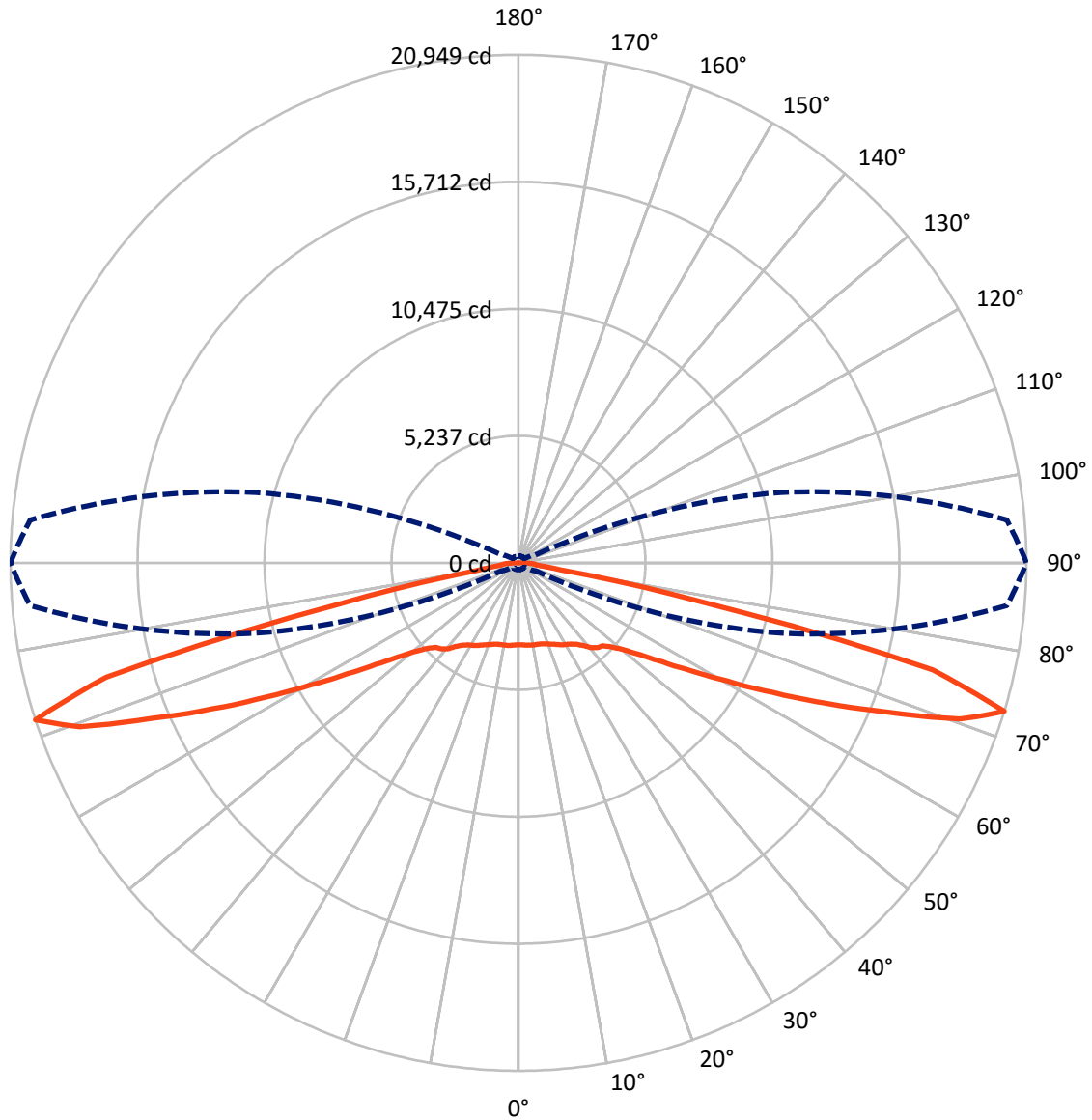
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type I - Short - N/A

REPORT NUMBER: P848704
CATALOG NUMBER: GLAN-SB5B-927-U-T1

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	9060.5	0.0	9060.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9060.5	0.0	9060.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18121.0	0.0	18121.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.3	1.8
10°-20°	1003.9	5.5
20°-30°	1673.9	9.2
30°-40°	2302.1	12.7
40°-50°	2811.5	15.5
50°-60°	3251.8	17.9
60°-70°	3877.2	21.4
70°-80°	2706.1	14.9
80°-90°	166.2	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°	18121.0	100.0
0°-180°	18121.0	100.0

Coefficient of Utilization



REPORT NUMBER: P848704

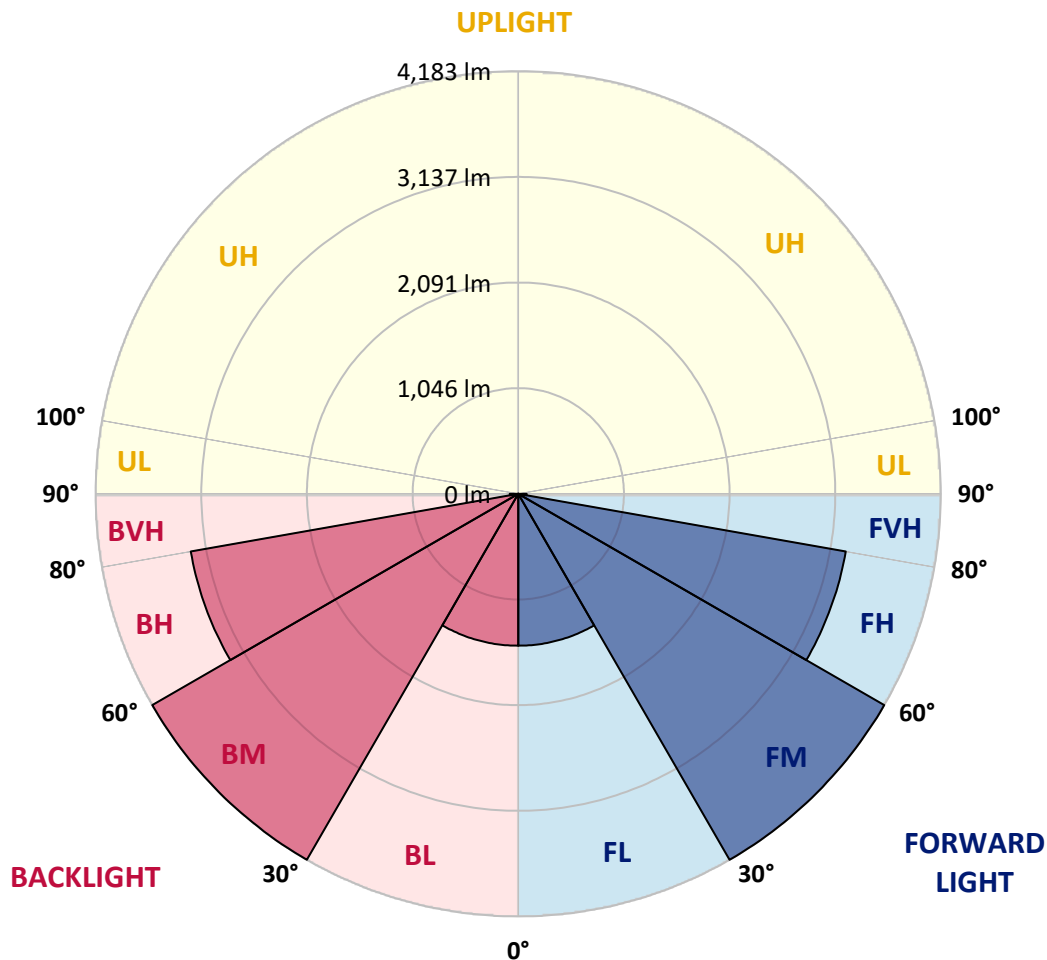
CATALOG NUMBER: GLAN-SB5B-927-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1503.0	8.3			
FM (30°-60°)	4182.7	23.1			
FH (60°-80°)	3291.6	18.2			G2/5000
FVH (80°-90°)	83.1	0.5			G1/100
BL (0°-30°)	1503.0	8.3	B3/2500		
BM (30°-60°)	4182.7	23.1	B3/5000		
BH (60°-80°)	3291.6	18.2	B4/5000		G4/5000
BVH (80°-90°)	83.1	0.5			G1/100
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°	3386.1	3386.1	3386.1	3386.1	3386.1	3386.1	3386.1	3386.1	3386.1	3386.1
2.5°	3389.0	3392.8	3392.8	3390.0	3396.7	3390.9	3390.9	3388.0	3390.9	3388.0
5°	3406.3	3411.1	3413.1	3412.1	3420.8	3416.0	3416.0	3412.1	3413.1	3410.2
7.5°	3439.1	3445.8	3449.7	3454.5	3467.0	3461.2	3457.4	3445.8	3441.0	3433.3
10°	3449.7	3457.4	3469.9	3494.9	3523.8	3524.8	3513.2	3484.3	3462.2	3444.8
12.5°	3416.9	3427.5	3453.5	3504.6	3569.1	3595.1	3576.8	3528.6	3485.3	3454.5
15°	3375.5	3387.1	3426.5	3503.6	3598.9	3659.6	3657.7	3594.1	3524.8	3476.6
17.5°	3311.0	3322.5	3379.4	3487.2	3622.0	3722.2	3749.2	3683.7	3586.4	3521.9
20°	3194.5	3205.0	3284.0	3435.2	3629.8	3788.7	3859.0	3801.2	3679.8	3592.2
22.5°	3043.3	3059.6	3152.1	3345.7	3611.5	3858.0	3984.2	3944.7	3788.7	3667.3
25°	2881.5	2898.8	3006.7	3235.9	3564.3	3908.1	4132.5	4107.4	3911.9	3760.7
27.5°	2741.8	2760.1	2877.6	3127.0	3491.1	3927.3	4278.9	4291.4	4061.2	3863.8
30°	2632.0	2649.4	2774.6	3039.4	3396.7	3908.1	4406.9	4493.6	4213.4	3953.3
32.5°	2511.6	2533.8	2665.7	2932.5	3285.0	3861.8	4518.7	4712.2	4389.6	4049.6
35°	2359.5	2379.7	2518.4	2786.1	3138.6	3787.7	4612.1	4954.9	4641.9	4196.0
37.5°	2174.6	2193.8	2331.6	2603.1	2993.2	3683.7	4683.3	5228.4	4942.4	4406.9
40°	1988.7	2007.0	2136.1	2399.0	2818.9	3550.8	4708.4	5496.2	5287.2	4696.8
42.5°	1818.2	1834.6	1953.1	2197.7	2623.4	3381.3	4675.6	5729.2	5596.3	4899.1
45°	1661.3	1675.7	1780.7	2008.9	2420.2	3175.2	4577.4	5979.6	5964.2	5043.5
47.5°	1482.1	1496.6	1605.4	1826.0	2217.0	2933.5	4410.8	6226.1	6475.6	5371.0
50°	1263.5	1276.0	1387.8	1615.0	2006.0	2676.3	4179.7	6419.7	7120.8	5866.9
52.5°	1004.5	1017.9	1126.8	1354.1	1755.6	2399.9	3875.3	6545.9	7866.2	6591.1
55°	747.3	757.0	851.3	1055.5	1445.5	2085.0	3494.0	6581.5	8711.8	7581.2
57.5°	542.2	548.0	608.7	760.8	1096.0	1691.1	3030.7	6489.1	9718.2	8850.5
60°	439.2	441.1	459.4	526.8	761.8	1246.2	2471.2	6171.3	10810.3	10486.7
62.5°	398.7	398.7	403.5	421.8	515.2	822.4	1794.2	5512.5	11981.4	12554.4
65°	370.8	370.8	372.7	381.4	406.4	523.9	1132.6	4439.7	12968.5	14976.5
67.5°	345.7	346.7	345.7	348.6	363.1	387.1	656.8	3066.4	13500.1	17486.2
70°	319.7	321.7	316.8	316.8	328.4	329.4	411.2	1681.5	13059.0	19589.5
72.5°	288.9	291.8	284.1	282.2	290.8	287.0	309.1	807.0	11211.9	20217.4
75°	262.0	265.8	248.5	243.7	243.7	240.8	251.4	414.1	7276.8	16492.3
77.5°	237.9	245.6	217.7	202.2	198.4	189.7	205.1	253.3	3182.9	7743.0
80°	196.5	207.1	179.1	160.8	154.1	144.5	161.8	177.2	946.7	1798.0
82.5°	146.4	151.2	127.1	114.6	108.8	102.1	121.3	123.3	308.2	636.6
85°	93.4	95.3	78.0	67.4	64.5	61.6	77.0	67.4	117.5	468.0
87.5°	32.7	37.6	29.9	27.0	28.9	24.1	35.6	20.2	32.7	330.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3386.1
3388.0
3410.2
3433.3
3442.0
3449.7
3468.9
3511.3
3575.8
3645.2
3729.9
3831.0
3906.1
3989.9
4129.6
4318.3
4602.4
4777.7
4879.8
5182.2
5630.0
6299.3
7216.2
8391.1
9907.9
11779.1
13996.1
16427.8
19311.2
20949.3
17640.3
7582.1
1721.9
719.4
679.9
409.3
0.0

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