

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: P848714

Luminaire Tested: **GLAN-SB5B-930-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848714
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-930-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18984 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

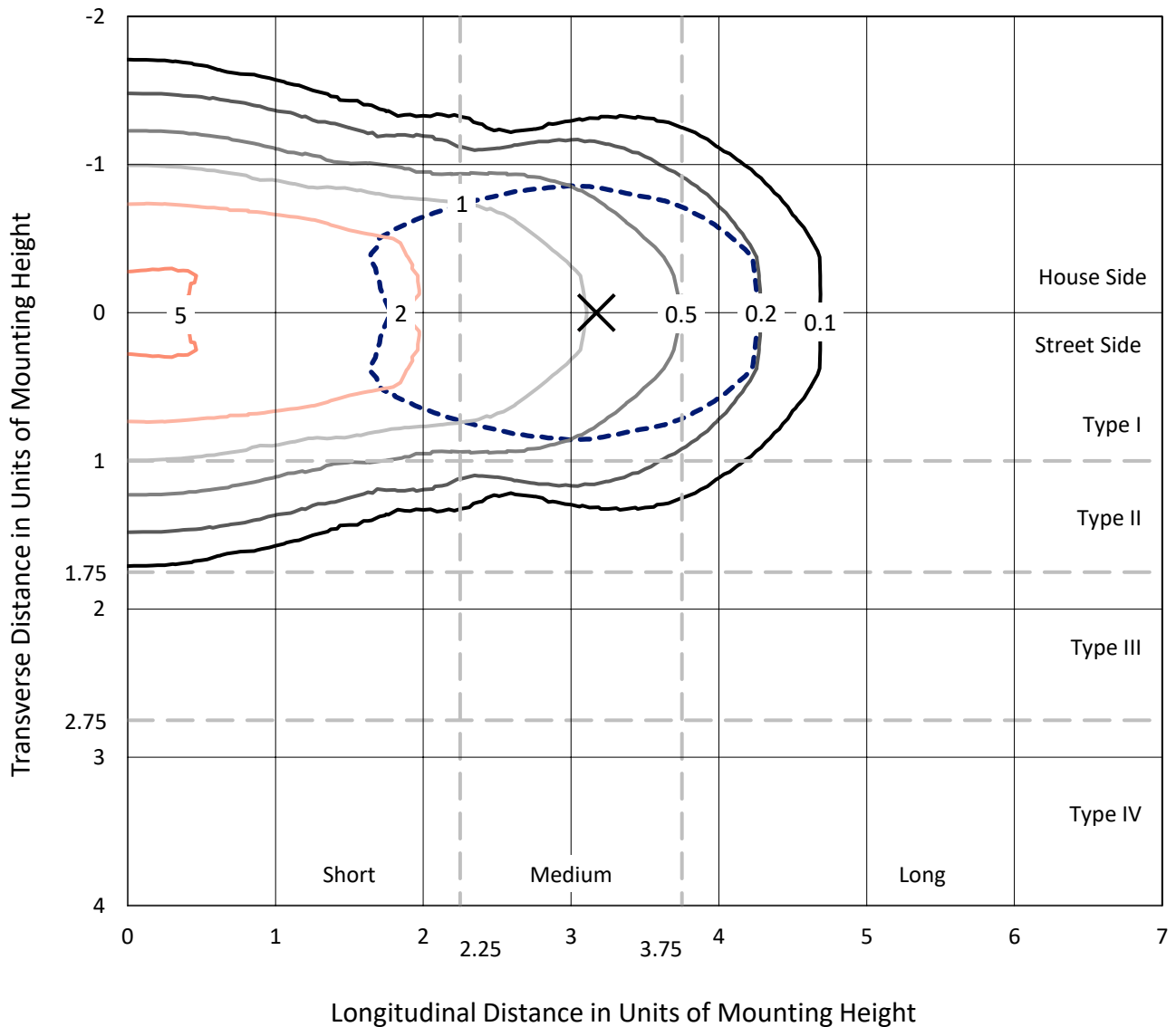
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

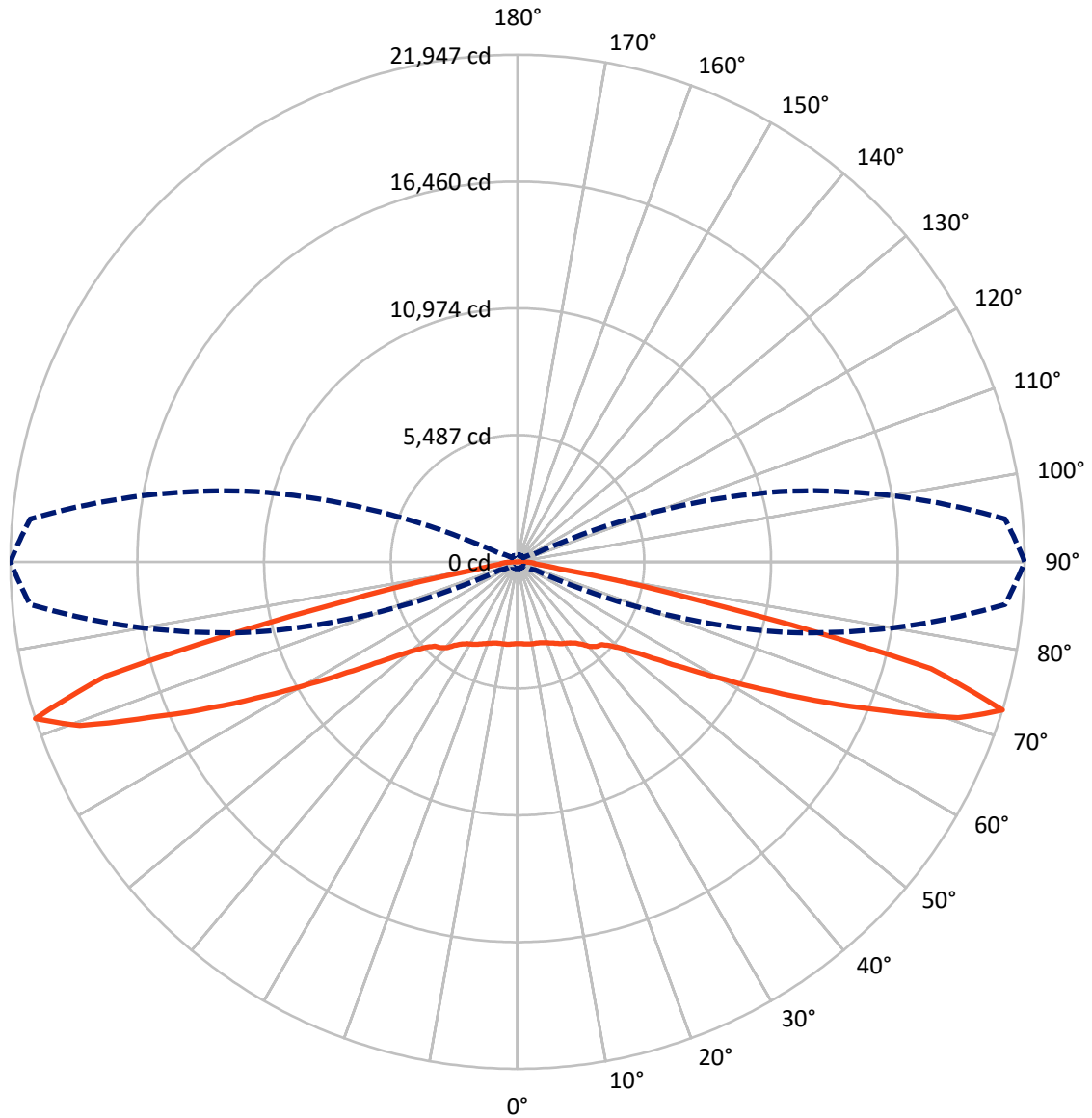
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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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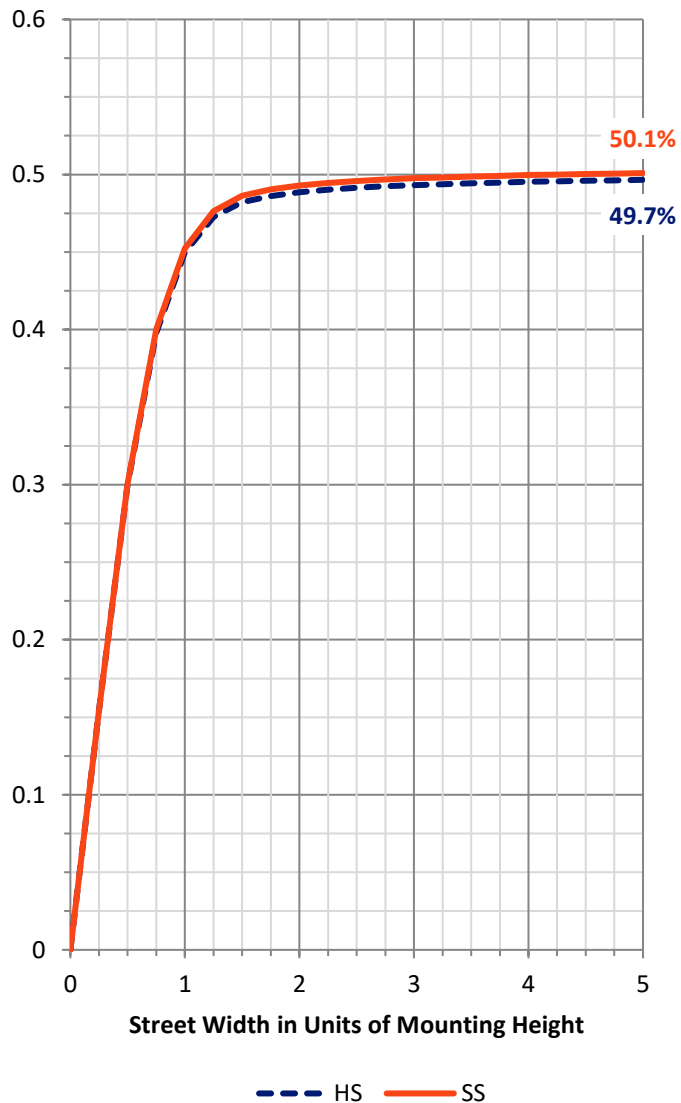
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9492.0	0.0	9492.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9492.0	0.0	9492.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18984.0	0.0	18984.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.0	1.8
10°-20°	1051.7	5.5
20°-30°	1753.6	9.2
30°-40°	2411.7	12.7
40°-50°	2945.4	15.5
50°-60°	3406.7	17.9
60°-70°	4061.9	21.4
70°-80°	2834.9	14.9
80°-90°	174.1	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°	18984.0	100.0
0°-180°	18984.0	100.0

Coefficient of Utilization



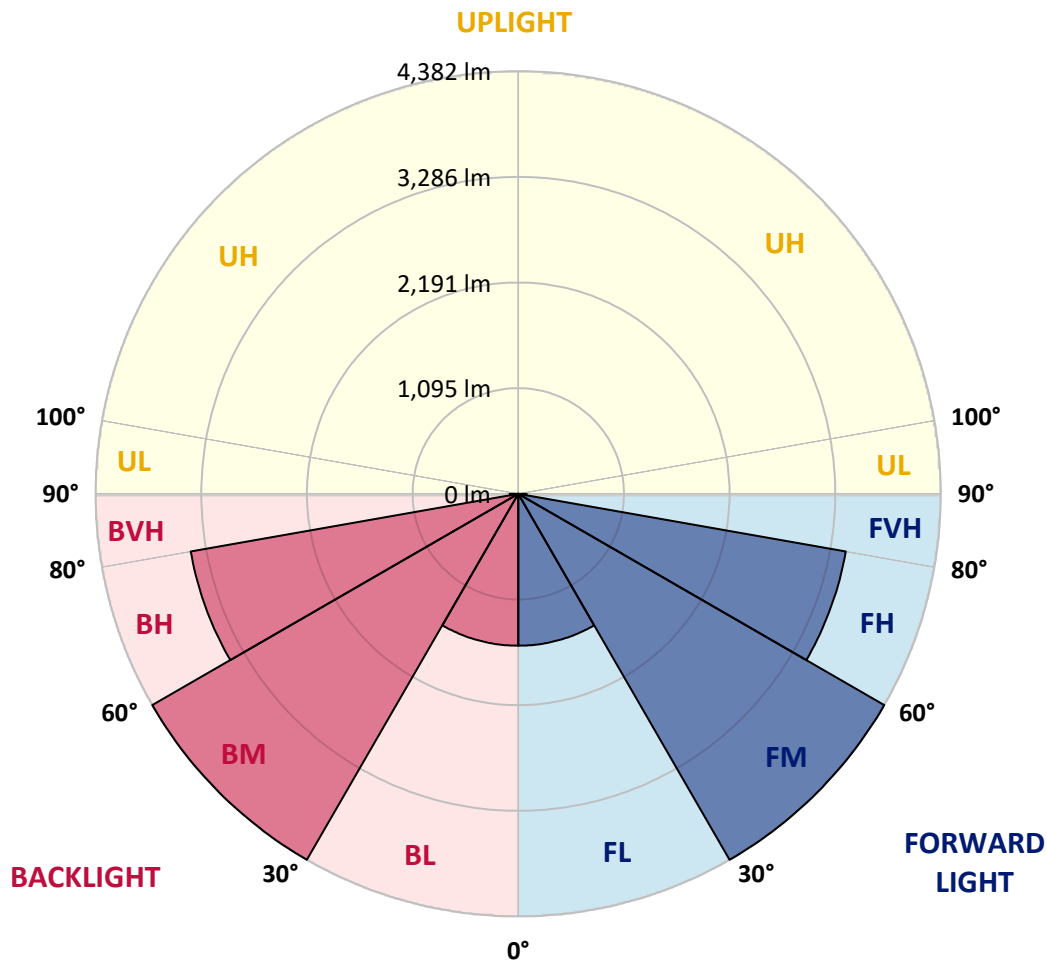
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1574.6	8.3			
FM (30°-60°)	4381.9	23.1			
FH (60°-80°)	3448.4	18.2			G2/5000
FVH (80°-90°)	87.1	0.5			G1/100
BL (0°-30°)	1574.6	8.3	B3/2500		
BM (30°-60°)	4381.9	23.1	B3/5000		
BH (60°-80°)	3448.4	18.2	B4/5000		G4/5000
BVH (80°-90°)	87.1	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°	3547.4	3547.4	3547.4	3547.4	3547.4	3547.4	3547.4	3547.4	3547.4	3547.4
2.5°	3550.4	3554.4	3554.4	3551.4	3558.5	3552.4	3552.4	3549.4	3552.4	3549.4
5°	3568.5	3573.6	3575.6	3574.6	3583.7	3578.6	3578.6	3574.6	3575.6	3572.6
7.5°	3602.9	3609.9	3613.9	3619.0	3632.1	3626.1	3622.0	3609.9	3604.9	3596.8
10°	3613.9	3622.0	3635.1	3661.4	3691.6	3692.6	3680.5	3650.3	3627.1	3608.9
12.5°	3579.6	3590.7	3618.0	3671.5	3739.1	3766.3	3747.1	3696.7	3651.3	3619.0
15°	3536.3	3548.4	3589.7	3670.4	3770.3	3833.9	3831.9	3765.3	3692.6	3642.2
17.5°	3468.7	3480.8	3540.3	3653.3	3794.5	3899.5	3927.7	3859.1	3757.2	3689.6
20°	3346.6	3357.7	3440.4	3598.8	3802.6	3969.1	4042.7	3982.2	3855.1	3763.3
22.5°	3188.2	3205.3	3302.2	3505.0	3783.4	4041.7	4173.9	4132.5	3969.1	3842.0
25°	3018.7	3036.8	3149.8	3390.0	3734.0	4094.2	4329.3	4303.0	4098.2	3939.8
27.5°	2872.4	2891.6	3014.7	3276.0	3657.3	4114.4	4482.6	4495.7	4254.6	4047.8
30°	2757.4	2775.5	2906.7	3184.1	3558.5	4094.2	4616.8	4707.6	4414.0	4141.6
32.5°	2631.3	2654.5	2792.7	3072.2	3441.4	4045.8	4733.9	4936.6	4598.7	4242.5
35°	2471.9	2493.0	2638.3	2918.8	3288.1	3968.1	4831.7	5190.9	4863.0	4395.9
37.5°	2278.1	2298.3	2442.6	2727.1	3135.7	3859.1	4906.4	5477.4	5177.8	4616.8
40°	2083.4	2102.6	2237.8	2513.2	2953.1	3719.9	4932.6	5757.9	5539.0	4920.5
42.5°	1904.8	1922.0	2046.1	2302.4	2748.3	3542.3	4898.3	6002.1	5862.8	5132.4
45°	1740.4	1755.5	1865.5	2104.6	2535.4	3326.4	4795.4	6264.4	6248.2	5283.7
47.5°	1552.7	1567.9	1681.9	1912.9	2322.5	3073.2	4620.9	6522.7	6784.0	5626.7
50°	1323.7	1336.8	1453.9	1692.0	2101.6	2803.8	4378.7	6725.5	7460.0	6146.3
52.5°	1052.3	1066.4	1180.4	1418.5	1839.3	2514.2	4059.9	6857.6	8240.9	6905.0
55°	782.9	793.0	891.9	1105.8	1514.4	2184.3	3660.4	6895.0	9126.7	7942.2
57.5°	568.0	574.1	637.6	797.0	1148.2	1771.7	3175.1	6798.1	10181.0	9272.0
60°	460.1	462.1	481.3	551.9	798.1	1305.5	2588.9	6465.2	11325.1	10986.1
62.5°	417.7	417.7	422.7	441.9	539.8	861.6	1879.6	5775.1	12552.0	13152.3
65°	388.4	388.4	390.5	399.5	425.8	548.9	1186.5	4651.1	13586.1	15689.7
67.5°	362.2	363.2	362.2	365.2	380.4	405.6	688.1	3212.4	14143.0	18319.0
70°	335.0	337.0	331.9	331.9	344.0	345.1	430.8	1761.6	13680.9	20522.4
72.5°	302.7	305.7	297.6	295.6	304.7	300.7	323.9	845.5	11745.8	21180.2
75°	274.4	278.5	260.3	255.3	255.3	252.2	263.3	433.8	7623.4	17277.7
77.5°	249.2	257.3	228.0	211.9	207.8	198.8	214.9	265.3	3334.5	8111.7
80°	205.8	216.9	187.7	168.5	161.4	151.3	169.5	185.6	991.8	1883.7
82.5°	153.4	158.4	133.2	120.1	114.0	106.9	127.1	129.1	322.9	666.9
85°	97.9	99.9	81.7	70.6	67.6	64.6	80.7	70.6	123.1	490.3
87.5°	34.3	39.3	31.3	28.2	30.3	25.2	37.3	21.2	34.3	346.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3547.4
3549.4
3572.6
3596.8
3605.9
3613.9
3634.1
3678.5
3746.1
3818.8
3907.5
4013.5
4092.2
4180.0
4326.2
4524.0
4821.6
5005.2
5112.2
5429.0
5898.1
6599.3
7559.8
8790.7
10379.8
12340.1
14662.6
17210.1
20230.9
21947.0
18480.4
7943.2
1803.9
753.7
712.3
428.8
0.0

OF REPORT)