

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: P848524

Luminaire Tested: **GLAN-SB5A-850-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848524
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-SB5A-850-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19248 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

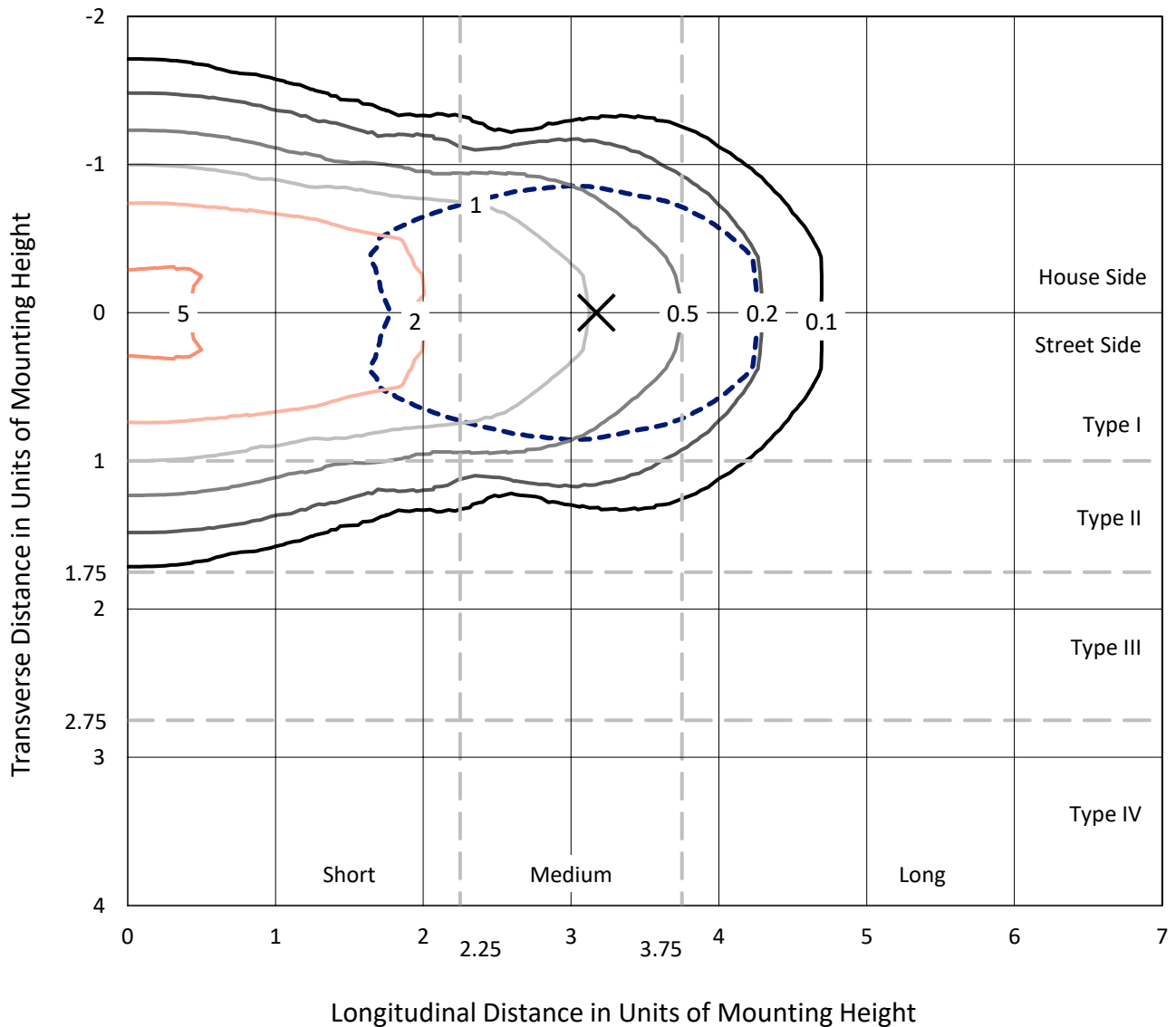
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

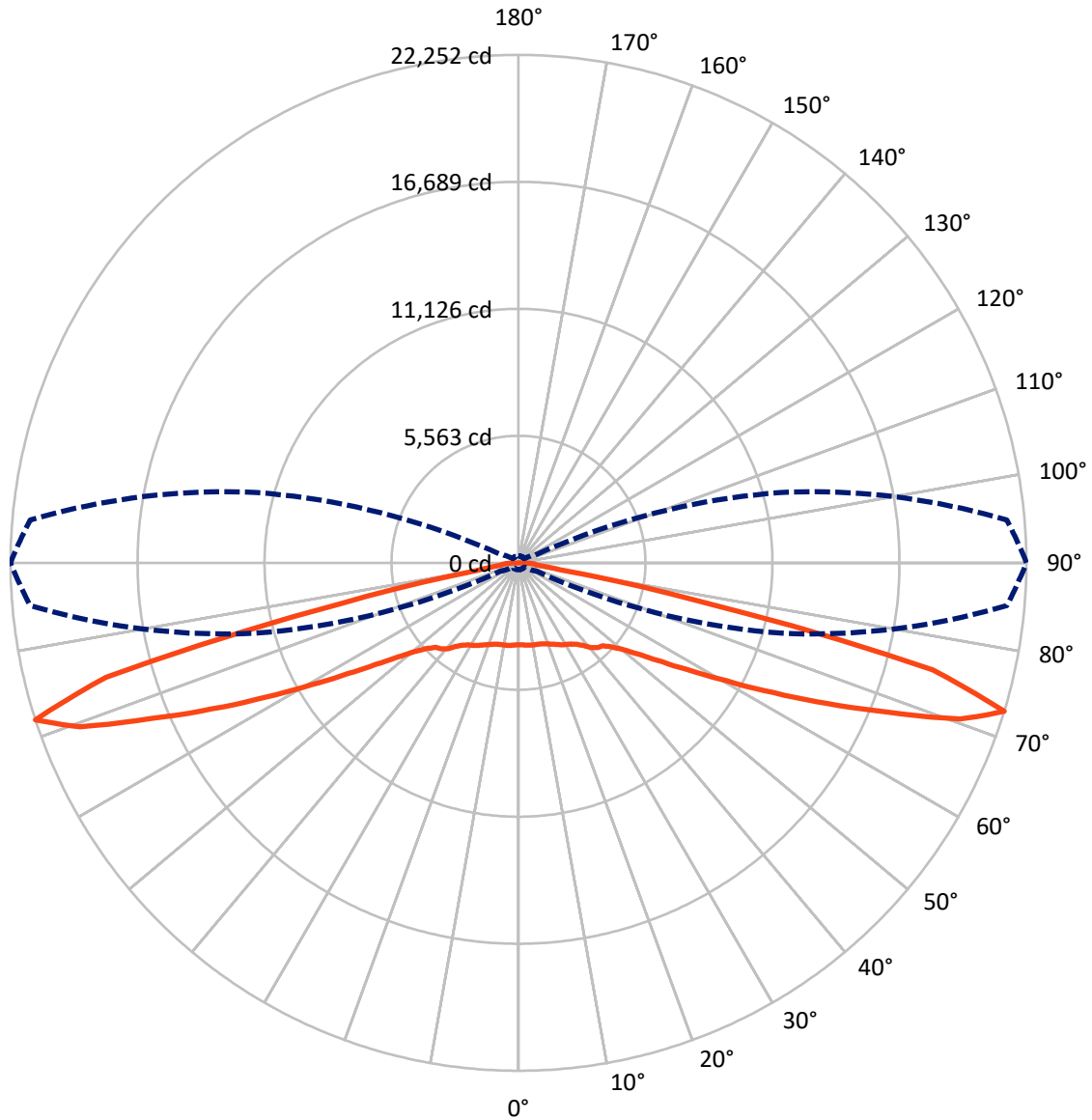
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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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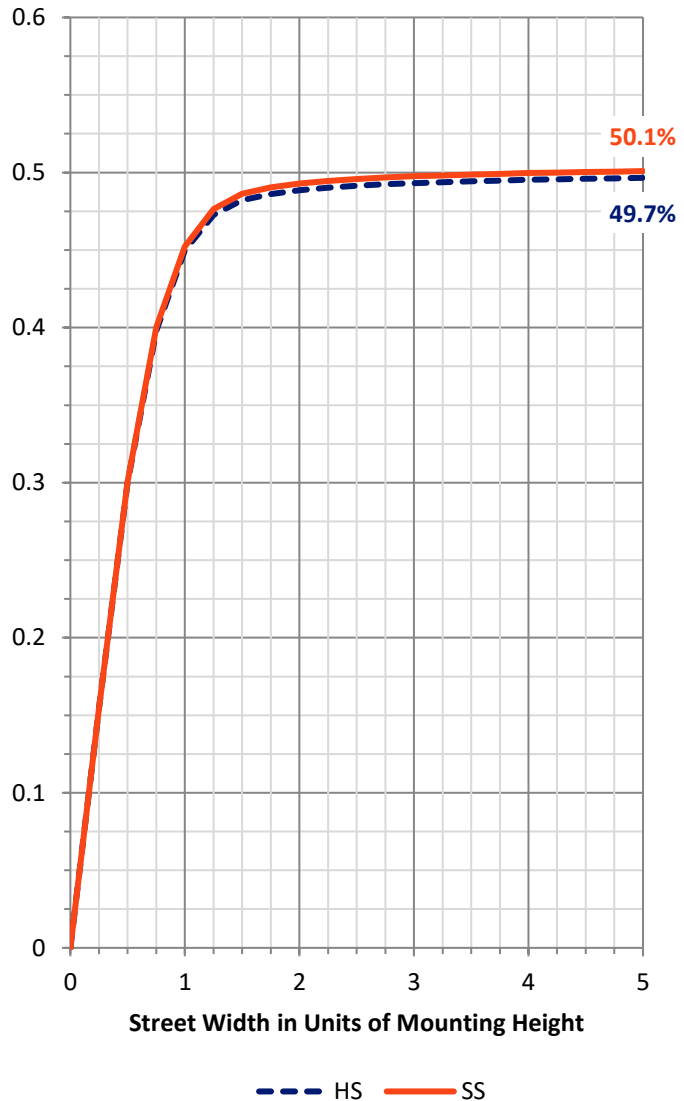
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9624.0	0.0	9624.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9624.0	0.0	9624.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19248.0	0.0	19248.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.7	1.8
10°-20°	1066.3	5.5
20°-30°	1778.0	9.2
30°-40°	2445.3	12.7
40°-50°	2986.4	15.5
50°-60°	3454.0	17.9
60°-70°	4118.4	21.4
70°-80°	2874.3	14.9
80°-90°	176.5	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°	19248.0	100.0
0°-180°	19248.0	100.0

Coefficient of Utilization



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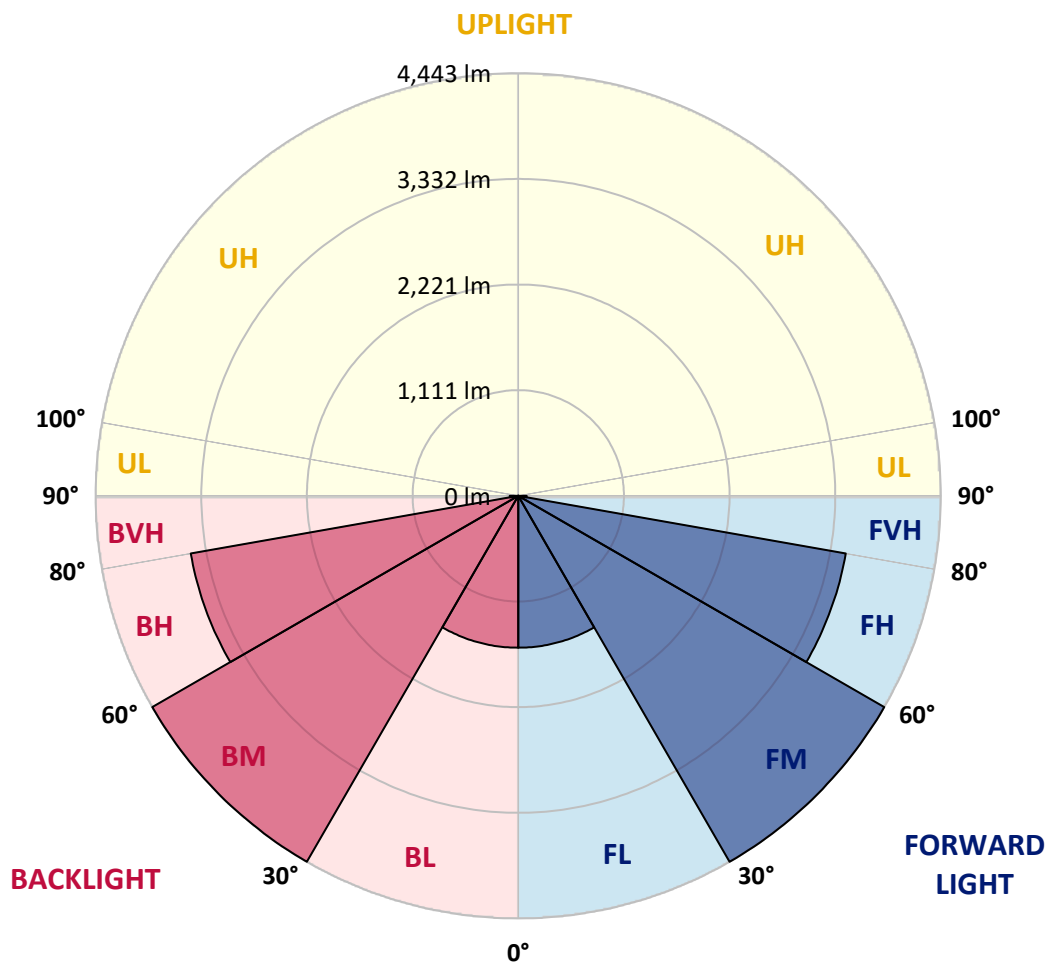
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1596.5	8.3			
FM (30°-60°)	4442.8	23.1			
FH (60°-80°)	3496.4	18.2			G2/5000
FVH (80°-90°)	88.3	0.5			G1/100
BL (0°-30°)	1596.5	8.3	B3/2500		
BM (30°-60°)	4442.8	23.1	B3/5000		
BH (60°-80°)	3496.4	18.2	B4/5000		G4/5000
BVH (80°-90°)	88.3	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°	3596.7	3596.7	3596.7	3596.7	3596.7	3596.7	3596.7	3596.7	3596.7	3596.7
2.5°	3599.8	3603.9	3603.9	3600.8	3607.9	3601.8	3601.8	3598.7	3601.8	3598.7
5°	3618.2	3623.3	3625.3	3624.3	3633.5	3628.4	3628.4	3624.3	3625.3	3622.3
7.5°	3653.0	3660.1	3664.2	3669.3	3682.6	3676.5	3672.4	3660.1	3655.0	3646.8
10°	3664.2	3672.4	3685.7	3712.3	3743.0	3744.0	3731.7	3701.0	3677.5	3659.1
12.5°	3629.4	3640.7	3668.3	3722.5	3791.1	3818.7	3799.2	3748.1	3702.1	3669.3
15°	3585.4	3597.7	3639.7	3721.5	3822.8	3887.2	3885.2	3817.6	3744.0	3692.8
17.5°	3516.9	3529.2	3589.5	3704.1	3847.3	3953.7	3982.3	3912.8	3809.5	3740.9
20°	3393.1	3404.4	3488.3	3648.9	3855.5	4024.3	4099.0	4037.6	3908.7	3815.6
22.5°	3232.5	3249.9	3348.1	3553.7	3836.1	4097.9	4231.9	4190.0	4024.3	3895.4
25°	3060.7	3079.1	3193.6	3437.1	3785.9	4151.1	4389.5	4362.9	4155.2	3994.6
27.5°	2912.3	2931.8	3056.6	3321.5	3708.2	4171.6	4545.0	4558.3	4313.8	4104.1
30°	2795.7	2814.1	2947.1	3228.4	3607.9	4151.1	4681.0	4773.1	4475.4	4199.2
32.5°	2667.9	2691.4	2831.5	3114.9	3489.3	4102.0	4799.7	5005.3	4662.6	4301.5
35°	2506.2	2527.7	2675.0	2959.4	3333.8	4023.3	4898.9	5263.1	4930.6	4457.0
37.5°	2309.8	2330.3	2476.6	2765.0	3179.3	3912.8	4974.6	5553.6	5249.8	4681.0
40°	2112.4	2131.8	2268.9	2548.2	2994.2	3771.6	5001.2	5838.0	5616.0	4988.9
42.5°	1931.3	1948.7	2074.5	2334.4	2786.5	3591.6	4966.4	6085.5	5944.4	5203.7
45°	1764.6	1779.9	1891.4	2133.9	2570.7	3372.7	4862.1	6351.5	6335.1	5357.2
47.5°	1574.3	1589.7	1705.3	1939.5	2354.8	3115.9	4685.1	6613.4	6878.3	5705.0
50°	1342.1	1355.4	1474.1	1715.5	2130.8	2842.8	4439.6	6819.0	7563.7	6231.8
52.5°	1066.9	1081.3	1196.9	1438.3	1864.8	2549.2	4116.4	6953.0	8355.5	7001.1
55°	793.8	804.0	904.3	1121.2	1535.4	2214.7	3711.3	6990.8	9253.6	8052.7
57.5°	575.9	582.1	646.5	808.1	1164.1	1796.3	3219.2	6892.6	10322.6	9400.9
60°	466.5	468.5	487.9	559.6	809.2	1323.7	2624.9	6555.1	11482.6	11138.9
62.5°	423.5	423.5	428.6	448.1	547.3	873.6	1905.8	5855.4	12726.5	13335.2
65°	393.8	393.8	395.9	405.1	431.7	556.5	1203.0	4715.8	13775.0	15907.9
67.5°	367.2	368.3	367.2	370.3	385.7	411.2	697.7	3257.1	14339.7	18573.7
70°	339.6	341.7	336.6	336.6	348.8	349.8	436.8	1786.1	13871.2	20807.8
72.5°	306.9	310.0	301.8	299.7	308.9	304.8	328.4	857.2	11909.2	21474.8
75°	278.2	282.3	263.9	258.8	258.8	255.7	267.0	439.9	7729.4	17518.0
77.5°	252.7	260.9	231.2	214.8	210.7	201.5	217.9	269.0	3380.8	8224.5
80°	208.7	219.9	190.3	170.8	163.7	153.4	171.9	188.2	1005.6	1909.8
82.5°	155.5	160.6	135.0	121.7	115.6	108.4	128.9	130.9	327.3	676.2
85°	99.2	101.3	82.9	71.6	68.5	65.5	81.8	71.6	124.8	497.2
87.5°	34.8	39.9	31.7	28.6	30.7	25.6	37.8	21.5	34.8	350.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3596.7
3598.7
3622.3
3646.8
3656.0
3664.2
3684.7
3729.7
3798.2
3871.9
3961.9
4069.3
4149.1
4238.1
4386.4
4586.9
4888.7
5074.9
5183.3
5504.5
5980.2
6691.1
7665.0
8913.0
10524.1
12511.7
14866.5
17449.5
20512.2
22252.2
18737.4
8053.7
1829.0
764.1
722.2
434.8
0.0

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