

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: P845804

Luminaire Tested: **GLAN-SB1A-850-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845804
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-SB1A-850-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3812 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

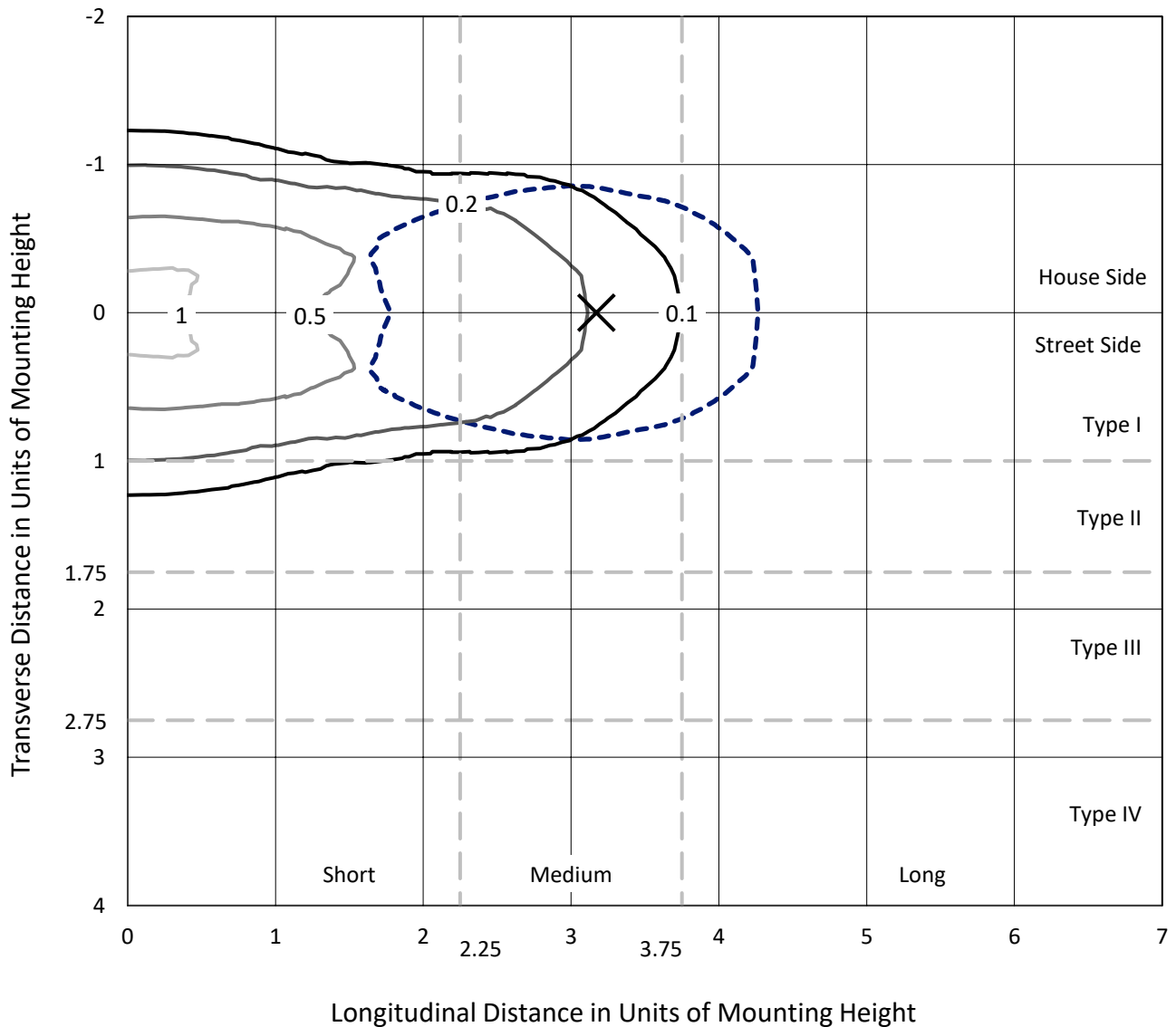
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

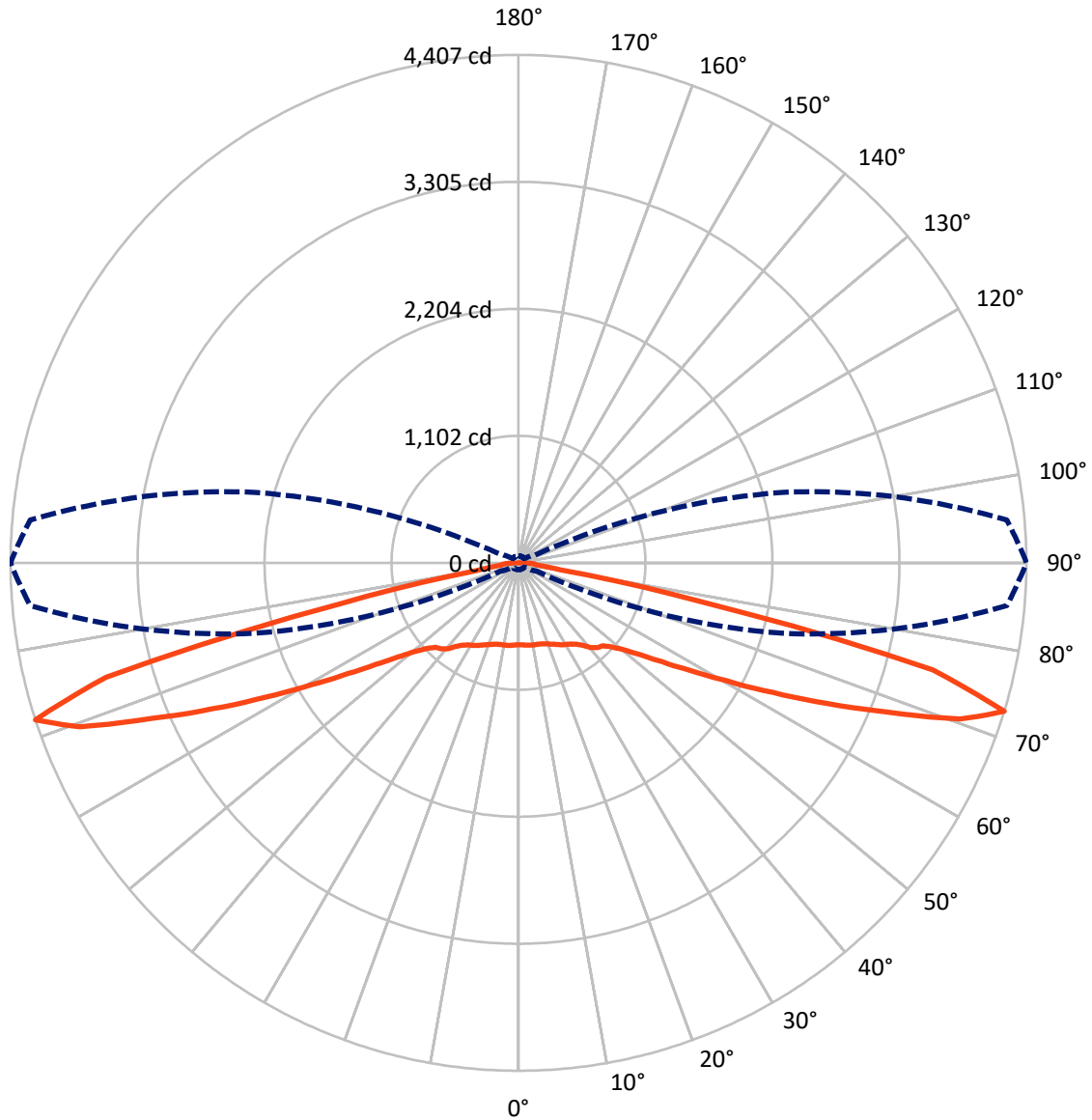
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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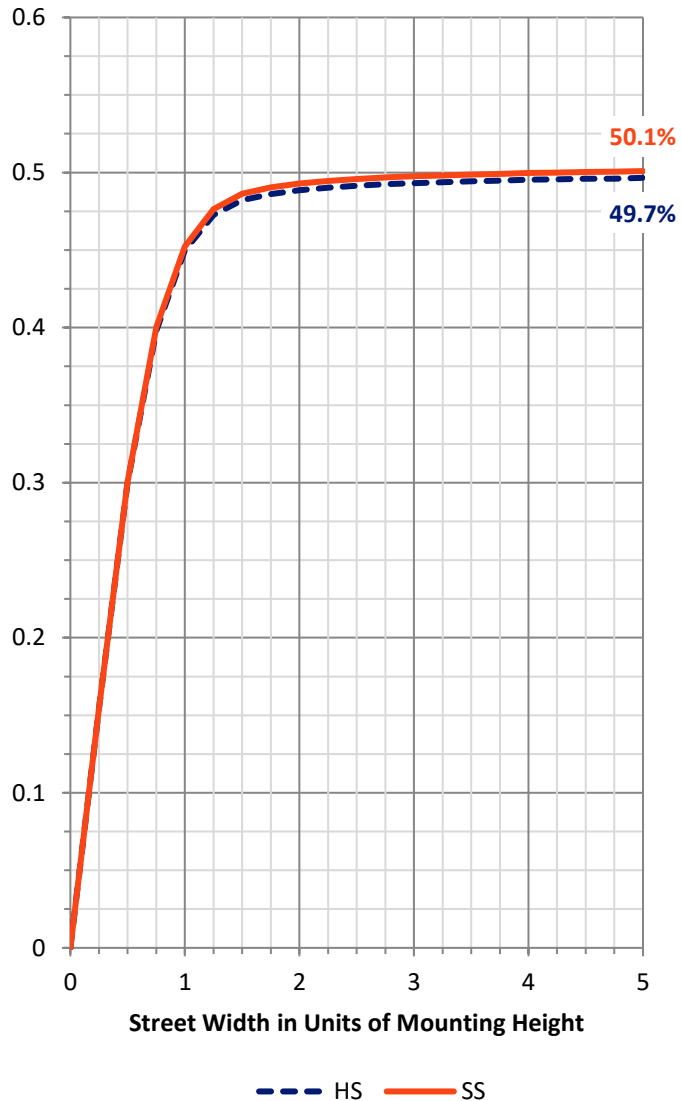
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1906.0	0.0	1906.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1906.0	0.0	1906.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3812.0	0.0	3812.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.1	1.8
10°-20°	211.2	5.5
20°-30°	352.1	9.2
30°-40°	484.3	12.7
40°-50°	591.4	15.5
50°-60°	684.1	17.9
60°-70°	815.6	21.4
70°-80°	569.3	14.9
80°-90°	35.0	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°	3812.0	100.0
0°-180°	3812.0	100.0

Coefficient of Utilization



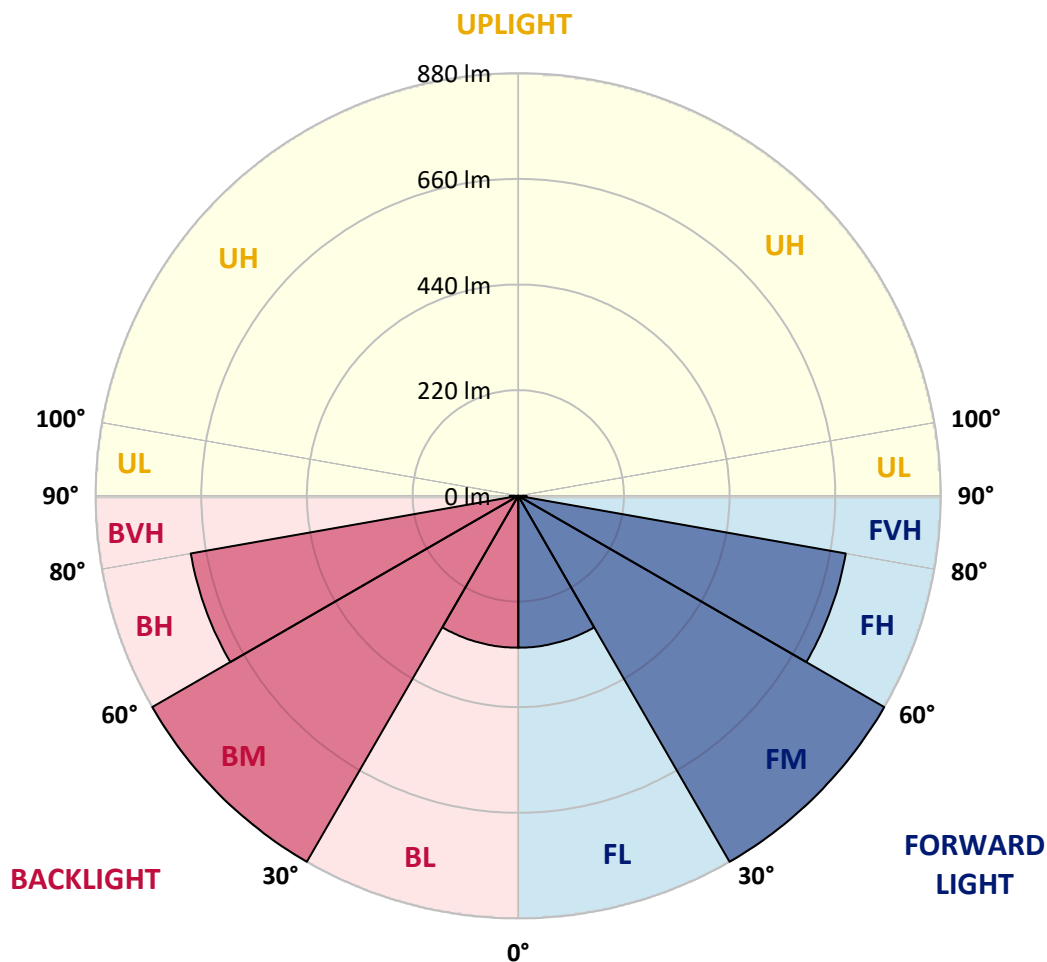
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	316.2	8.3			
FM (30°-60°)	879.9	23.1			
FH (60°-80°)	692.4	18.2			G1/1800
FVH (80°-90°)	17.5	0.5			G1/100
BL (0°-30°)	316.2	8.3	B1/500		
BM (30°-60°)	879.9	23.1	B1/1000		
BH (60°-80°)	692.4	18.2	B2/1000		G2/1000
BVH (80°-90°)	17.5	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	712.3	712.3	712.3	712.3	712.3	712.3	712.3	712.3	712.3	712.3
2.5°	712.9	713.7	713.7	713.1	714.5	713.3	713.3	712.7	713.3	712.7
5°	716.6	717.6	718.0	717.8	719.6	718.6	718.6	717.8	718.0	717.4
7.5°	723.5	724.9	725.7	726.7	729.3	728.1	727.3	724.9	723.9	722.2
10°	725.7	727.3	729.9	735.2	741.3	741.5	739.1	733.0	728.3	724.7
12.5°	718.8	721.0	726.5	737.2	750.8	756.3	752.4	742.3	733.2	726.7
15°	710.1	712.5	720.8	737.0	757.1	769.8	769.4	756.1	741.5	731.4
17.5°	696.5	698.9	710.9	733.6	761.9	783.0	788.7	774.9	754.5	740.9
20°	672.0	674.2	690.8	722.6	763.6	797.0	811.8	799.6	774.1	755.7
22.5°	640.2	643.6	663.1	703.8	759.7	811.6	838.1	829.8	797.0	771.5
25°	606.2	609.8	632.5	680.7	749.8	822.1	869.3	864.1	822.9	791.1
27.5°	576.8	580.6	605.3	657.8	734.4	826.2	900.1	902.7	854.3	812.8
30°	553.7	557.3	583.7	639.4	714.5	822.1	927.1	945.3	886.3	831.6
32.5°	528.4	533.0	560.8	616.9	691.0	812.4	950.6	991.3	923.4	851.9
35°	496.3	500.6	529.8	586.1	660.2	796.8	970.2	1042.3	976.5	882.7
37.5°	457.5	461.5	490.5	547.6	629.7	774.9	985.2	1099.9	1039.7	927.1
40°	418.4	422.2	449.3	504.7	593.0	747.0	990.5	1156.2	1112.2	988.0
42.5°	382.5	385.9	410.9	462.3	551.9	711.3	983.6	1205.2	1177.3	1030.6
45°	349.5	352.5	374.6	422.6	509.1	667.9	962.9	1257.9	1254.7	1061.0
47.5°	311.8	314.8	337.7	384.1	466.4	617.1	927.9	1309.8	1362.2	1129.9
50°	265.8	268.4	291.9	339.7	422.0	563.0	879.2	1350.5	1498.0	1234.2
52.5°	211.3	214.1	237.0	284.8	369.3	504.9	815.2	1377.0	1654.8	1386.5
55°	157.2	159.2	179.1	222.0	304.1	438.6	735.0	1384.5	1832.6	1594.8
57.5°	114.1	115.3	128.0	160.0	230.5	355.8	637.6	1365.1	2044.4	1861.8
60°	92.4	92.8	96.6	110.8	160.3	262.2	519.9	1298.2	2274.1	2206.0
62.5°	83.9	83.9	84.9	88.7	108.4	173.0	377.4	1159.6	2520.4	2641.0
65°	78.0	78.0	78.4	80.2	85.5	110.2	238.2	933.9	2728.1	3150.5
67.5°	72.7	72.9	72.7	73.3	76.4	81.4	138.2	645.1	2839.9	3678.5
70°	67.3	67.7	66.7	66.7	69.1	69.3	86.5	353.7	2747.1	4120.9
72.5°	60.8	61.4	59.8	59.4	61.2	60.4	65.0	169.8	2358.6	4253.0
75°	55.1	55.9	52.3	51.3	51.3	50.6	52.9	87.1	1530.8	3469.4
77.5°	50.0	51.7	45.8	42.5	41.7	39.9	43.2	53.3	669.6	1628.8
80°	41.3	43.6	37.7	33.8	32.4	30.4	34.0	37.3	199.1	378.2
82.5°	30.8	31.8	26.7	24.1	22.9	21.5	25.5	25.9	64.8	133.9
85°	19.7	20.1	16.4	14.2	13.6	13.0	16.2	14.2	24.7	98.5
87.5°	6.9	7.9	6.3	5.7	6.1	5.1	7.5	4.3	6.9	69.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

712.3
712.7
717.4
722.2
724.1
725.7
729.7
738.6
752.2
766.8
784.6
805.9
821.7
839.3
868.7
908.4
968.2
1005.1
1026.5
1090.1
1184.4
1325.2
1518.0
1765.2
2084.3
2477.9
2944.3
3455.8
4062.4
4407.0
3710.9
1595.0
362.2
151.3
143.0
86.1
0.0

OF REPORT)