

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: P851244

Luminaire Tested: **GLAN-SB9A-850-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851244
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-SB9A-850-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 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: 34706 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

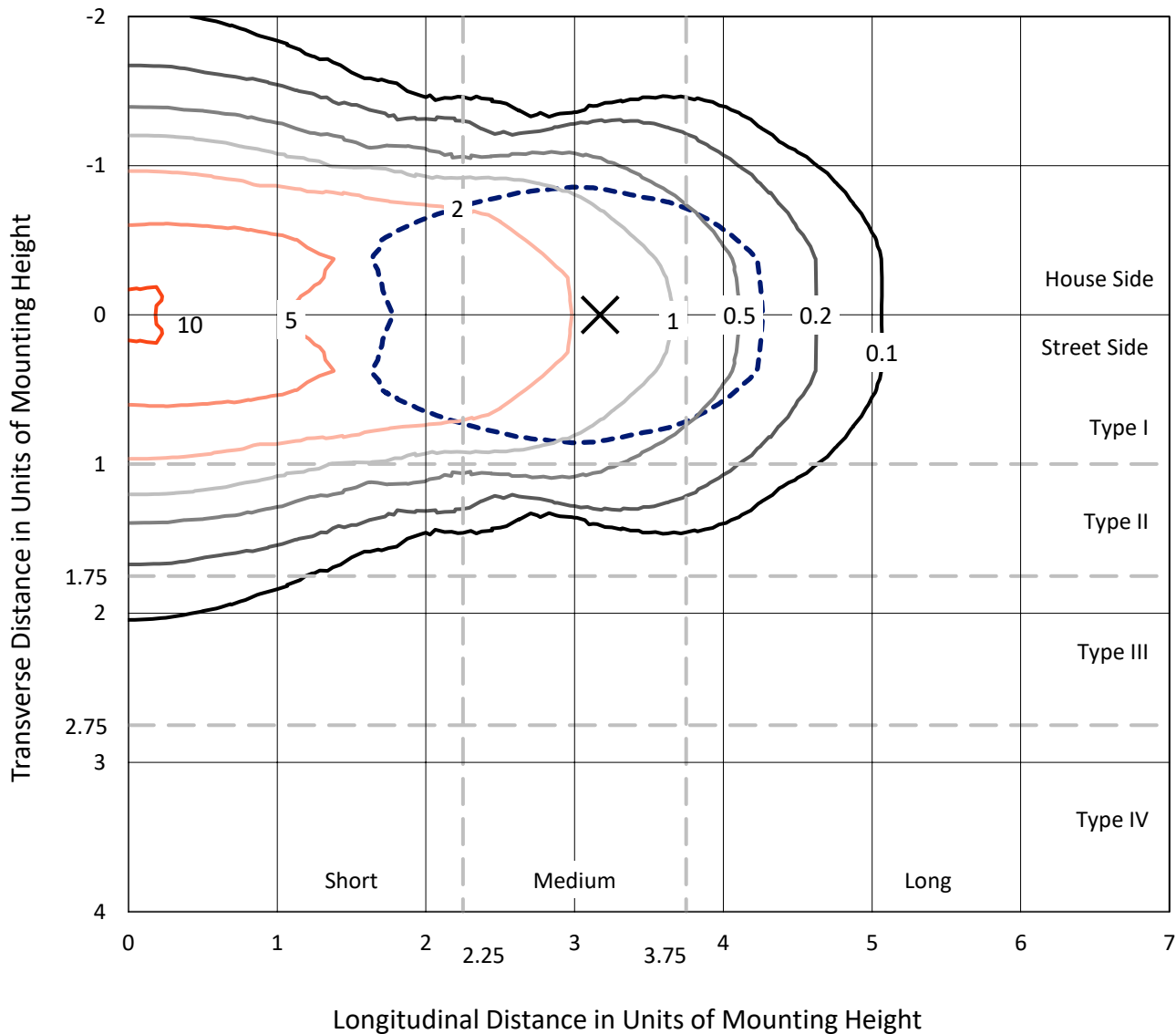
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

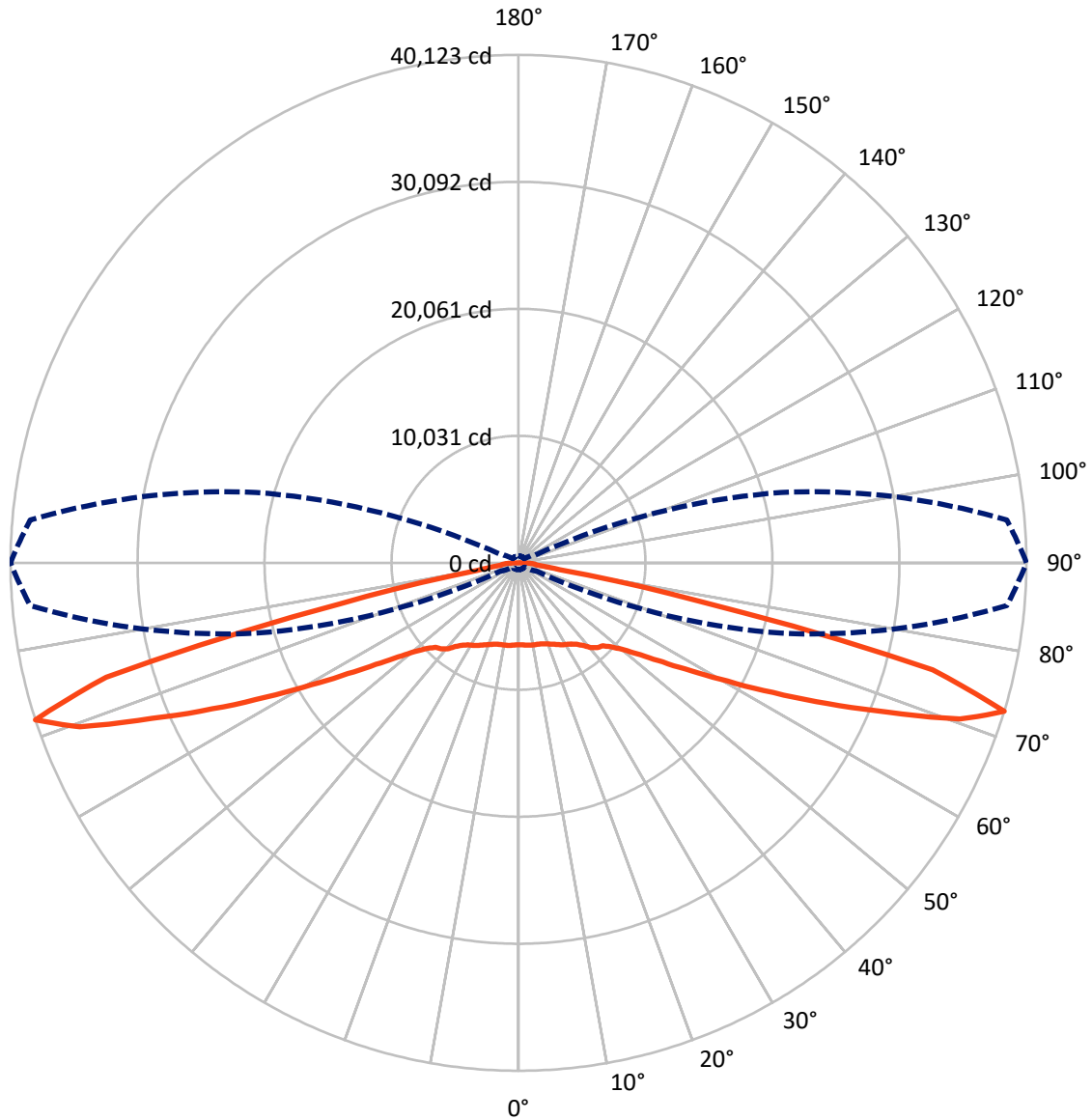
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 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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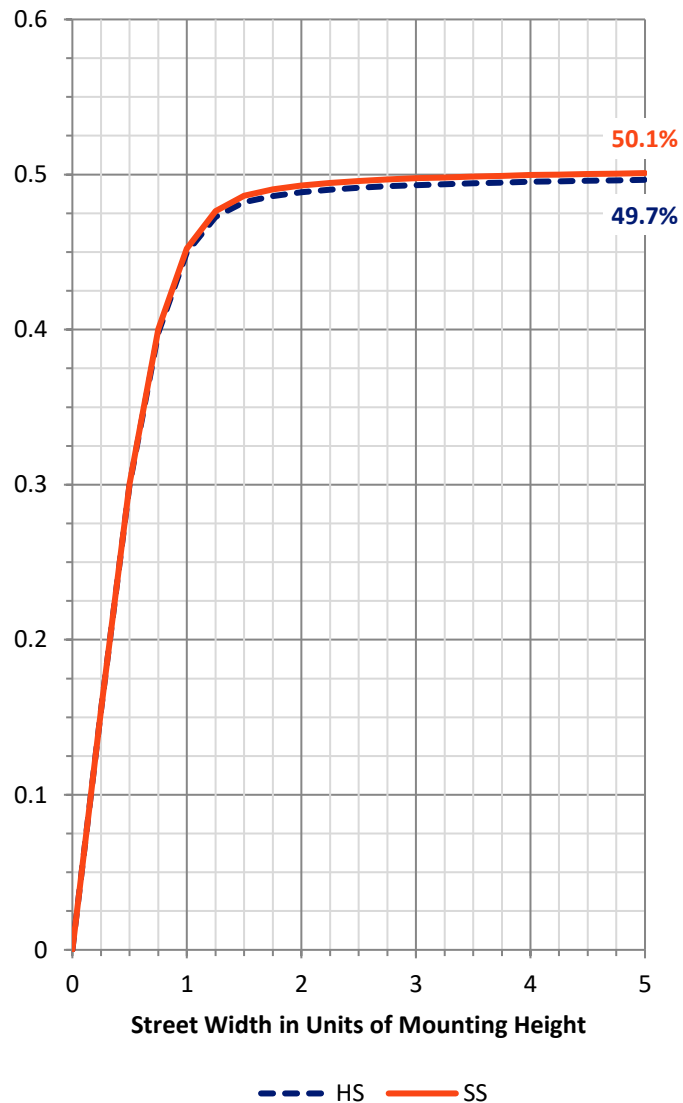
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17353.0	0.0	17353.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17353.0	0.0	17353.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34706.0	0.0	34706.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	628.8	1.8
10°-20°	1922.7	5.5
20°-30°	3205.9	9.2
30°-40°	4409.1	12.7
40°-50°	5384.7	15.5
50°-60°	6228.0	17.9
60°-70°	7425.8	21.4
70°-80°	5182.7	14.9
80°-90°	318.3	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°	34706.0	100.0
0°-180°	34706.0	100.0

Coefficient of Utilization

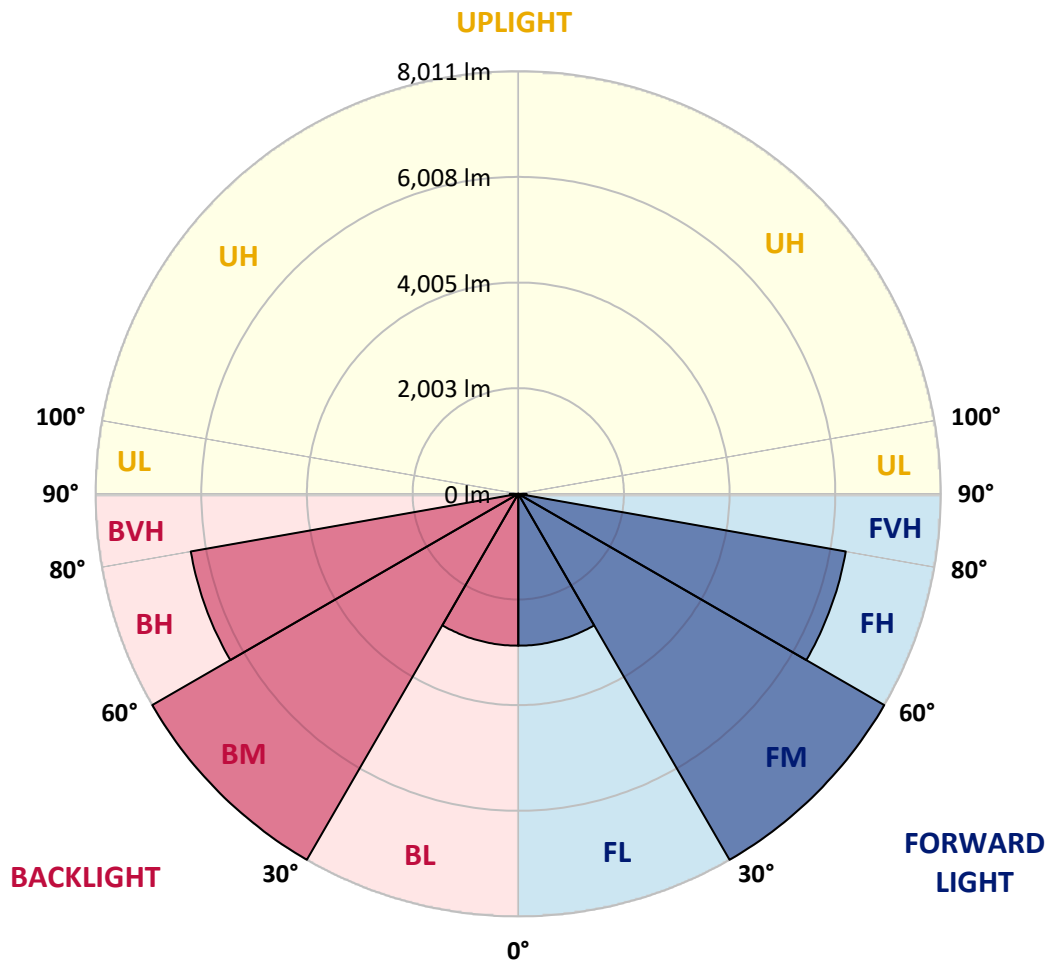


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2878.7	8.3			
FM (30°-60°)	8010.9	23.1			
FH (60°-80°)	6304.3	18.2			G3/7500
FVH (80°-90°)	159.2	0.5			G2/225
BL (0°-30°)	2878.7	8.3	B4/5000		
BM (30°-60°)	8010.9	23.1	B4/8500		
BH (60°-80°)	6304.3	18.2	B5		G5
BVH (80°-90°)	159.2	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6485.2	6485.2	6485.2	6485.2	6485.2	6485.2	6485.2	6485.2	6485.2	6485.2
2.5°	6490.7	6498.1	6498.1	6492.6	6505.5	6494.4	6494.4	6488.9	6494.4	6488.9
5°	6523.9	6533.1	6536.8	6535.0	6551.6	6542.4	6542.4	6535.0	6536.8	6531.3
7.5°	6586.6	6599.5	6606.9	6616.1	6640.1	6629.1	6621.7	6599.5	6590.3	6575.6
10°	6606.9	6621.7	6645.7	6693.6	6748.9	6750.8	6728.7	6673.3	6630.9	6597.7
12.5°	6544.2	6564.5	6614.3	6712.1	6835.6	6885.4	6850.4	6758.2	6675.2	6616.1
15°	6464.9	6487.0	6562.7	6710.2	6892.8	7009.0	7005.3	6883.6	6750.8	6658.6
17.5°	6341.3	6363.4	6472.3	6678.9	6937.1	7128.9	7180.6	7055.1	6868.8	6745.3
20°	6118.1	6138.4	6289.7	6579.3	6951.8	7256.2	7390.8	7280.2	7047.7	6879.9
22.5°	5828.5	5859.9	6037.0	6407.7	6916.8	7389.0	7630.6	7555.0	7256.2	7023.8
25°	5518.7	5551.9	5758.5	6197.4	6826.4	7484.9	7914.7	7866.7	7492.3	7202.7
27.5°	5251.2	5286.3	5511.3	5989.0	6686.2	7521.8	8195.0	8219.0	7778.2	7400.0
30°	5041.0	5074.2	5313.9	5821.2	6505.5	7484.9	8440.3	8606.3	8069.6	7571.6
32.5°	4810.4	4852.8	5105.5	5616.4	6291.5	7396.4	8654.3	9025.0	8407.1	7756.0
35°	4519.0	4557.7	4823.3	5336.1	6011.2	7254.3	8833.2	9489.8	8890.4	8036.4
37.5°	4164.8	4201.7	4465.5	4985.6	5732.6	7055.1	8969.7	10013.7	9465.9	8440.3
40°	3808.8	3843.9	4091.1	4594.6	5398.8	6800.6	9017.6	10526.4	10126.2	8995.5
42.5°	3482.4	3513.7	3740.6	4209.1	5024.4	6476.0	8954.9	10972.8	10718.3	9382.9
45°	3181.7	3209.4	3410.4	3847.6	4635.2	6081.2	8766.8	11452.4	11422.8	9659.5
47.5°	2838.7	2866.3	3074.7	3497.1	4246.0	5618.3	8447.7	11924.5	12402.3	10286.7
50°	2420.0	2443.9	2657.9	3093.2	3842.0	5125.8	8005.0	12295.3	13638.1	11236.6
52.5°	1923.8	1949.6	2158.0	2593.3	3362.5	4596.4	7422.2	12536.9	15065.7	12623.6
55°	1431.3	1449.8	1630.5	2021.5	2768.6	3993.3	6691.8	12605.2	16685.1	14519.7
57.5°	1038.4	1049.5	1165.7	1457.1	2099.0	3238.9	5804.6	12428.1	18612.6	16950.7
60°	841.1	844.8	879.8	1008.9	1459.0	2386.8	4732.9	11819.4	20704.3	20084.5
62.5°	763.6	763.6	772.8	807.9	986.8	1575.2	3436.3	10557.8	22947.1	24044.6
65°	710.1	710.1	713.8	730.4	778.4	1003.4	2169.1	8503.0	24837.7	28683.5
67.5°	662.2	664.0	662.2	667.7	695.4	741.5	1257.9	5872.8	25855.9	33490.2
70°	612.4	616.1	606.8	606.8	629.0	630.8	787.6	3220.5	25011.1	37518.5
72.5°	553.3	558.9	544.1	540.4	557.0	549.7	592.1	1545.7	21473.4	38721.1
75°	501.7	509.1	475.9	466.7	466.7	461.1	481.4	793.1	13936.9	31586.7
77.5°	455.6	470.3	416.9	387.3	380.0	363.4	392.9	485.1	6096.0	14829.6
80°	376.3	396.6	343.1	308.0	295.1	276.7	309.9	339.4	1813.1	3443.6
82.5°	280.4	289.6	243.5	219.5	208.4	195.5	232.4	236.1	590.2	1219.2
85°	178.9	182.6	149.4	129.1	123.6	118.0	147.6	129.1	225.0	896.4
87.5°	62.7	71.9	57.2	51.6	55.3	46.1	68.2	38.7	62.7	632.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6485.2
6488.9
6531.3
6575.6
6592.2
6606.9
6643.8
6725.0
6848.5
6981.3
7143.7
7337.3
7481.2
7641.7
7909.1
8270.6
8814.8
9150.5
9346.0
9925.1
10782.8
12064.7
13820.7
16070.9
18976.0
22559.8
26805.8
31463.1
36985.5
40122.9
33785.3
14521.6
3297.9
1377.8
1302.2
783.9
0.0

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