

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: P850724

Luminaire Tested: **GLAN-SB8B-840-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850724
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-SB8B-840-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40059 lumens
Efficiency: N/A
Efficacy: 136.8 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

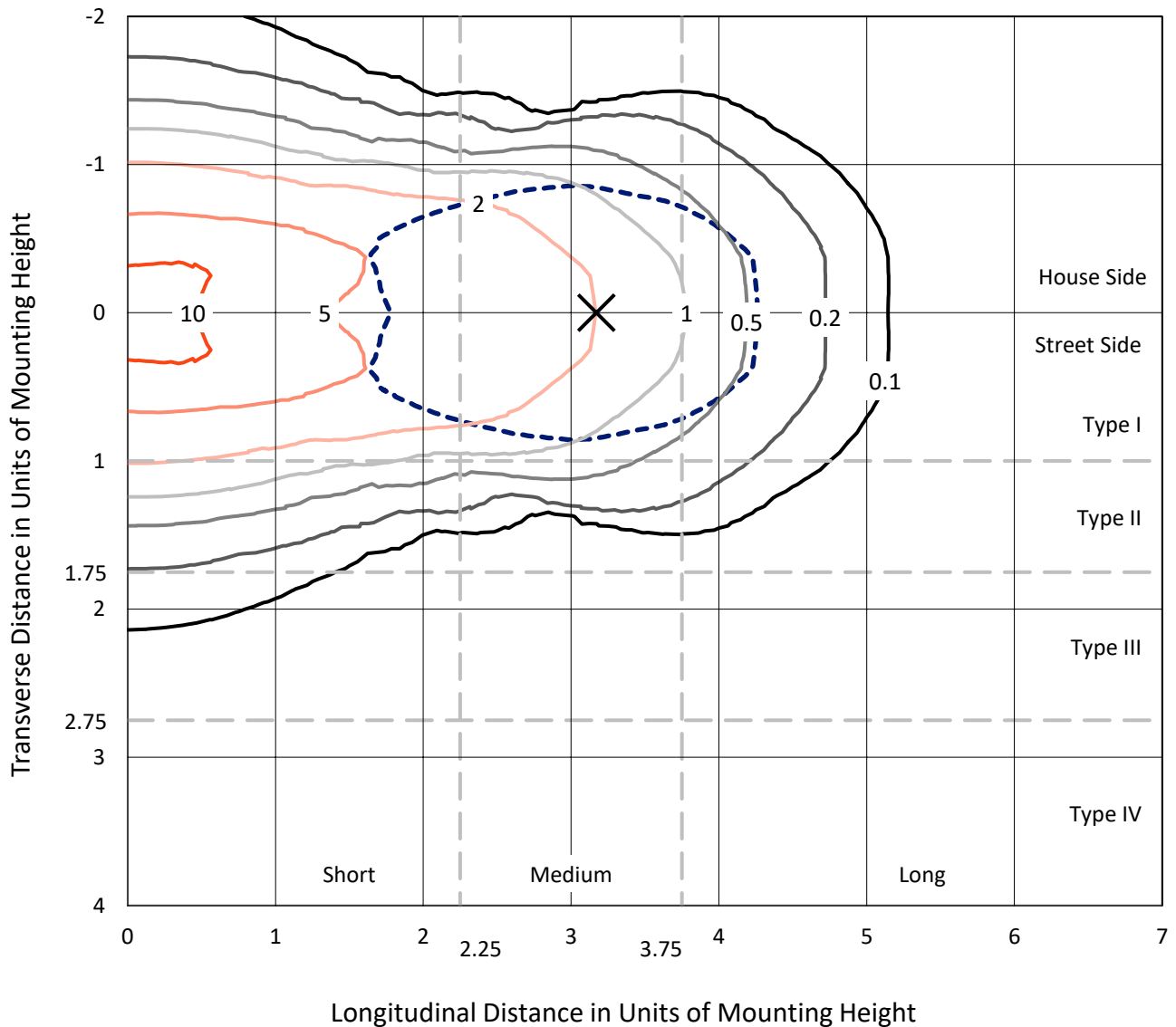
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

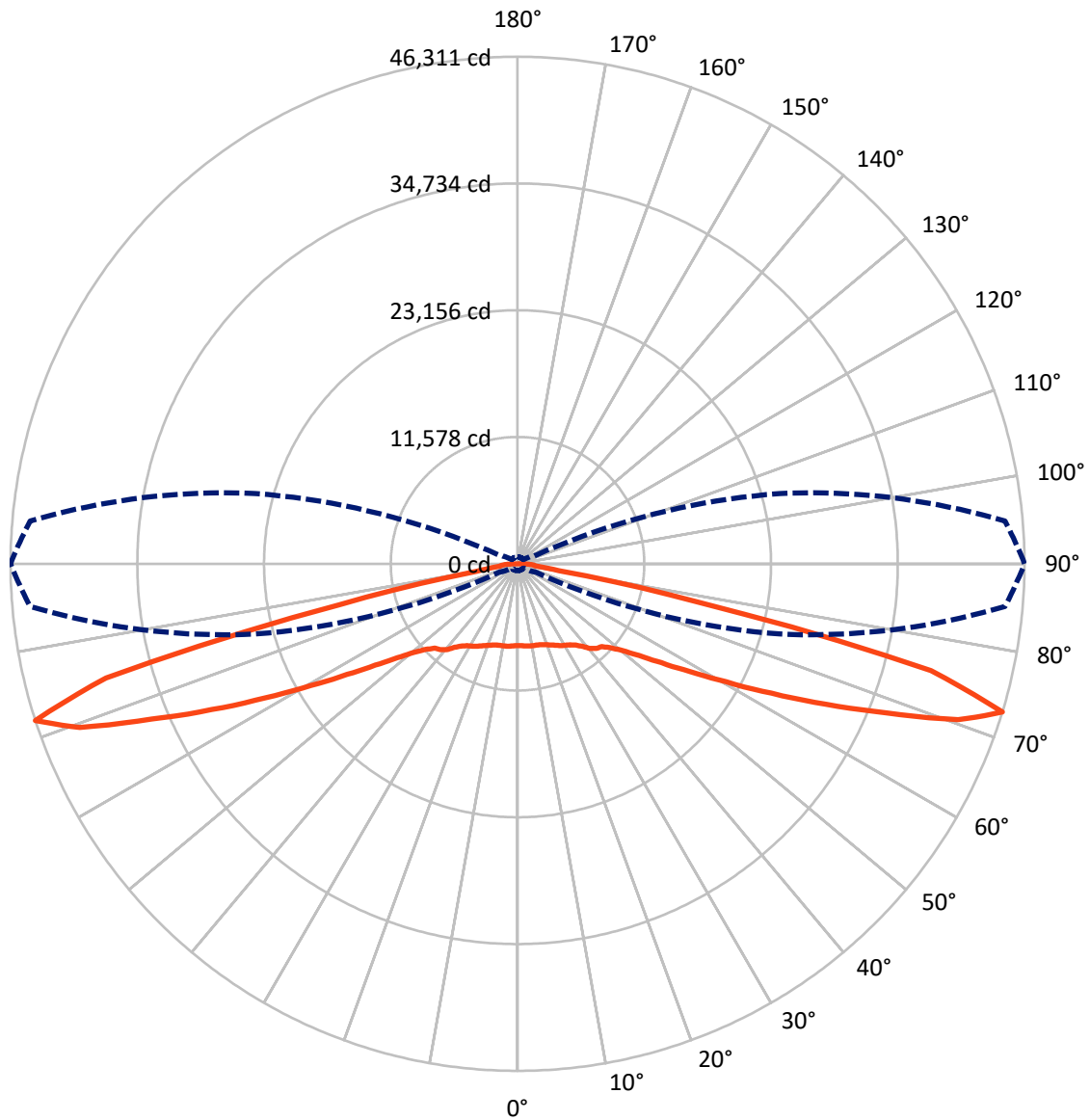
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 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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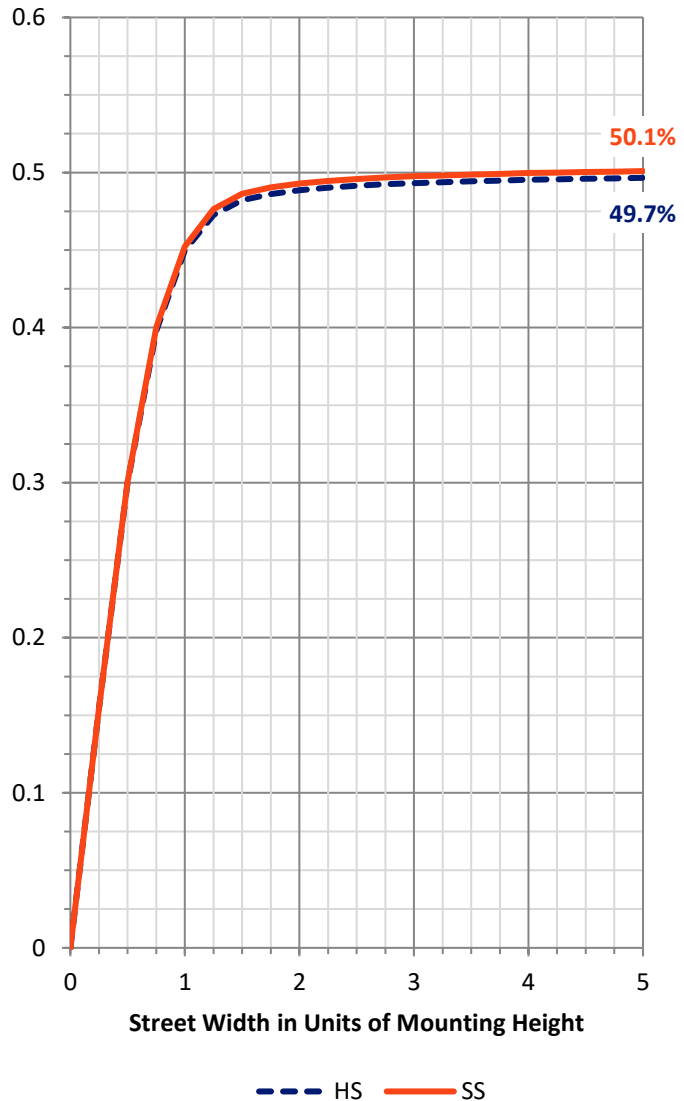
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20029.5	0.0	20029.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20029.5	0.0	20029.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	40059.0	0.0	40059.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	725.8	1.8
10°-20°	2219.2	5.5
20°-30°	3700.4	9.2
30°-40°	5089.1	12.7
40°-50°	6215.2	15.5
50°-60°	7188.6	17.9
60°-70°	8571.2	21.4
70°-80°	5982.1	14.9
80°-90°	367.4	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°	40059.0	100.0
0°-180°	40059.0	100.0

Coefficient of Utilization



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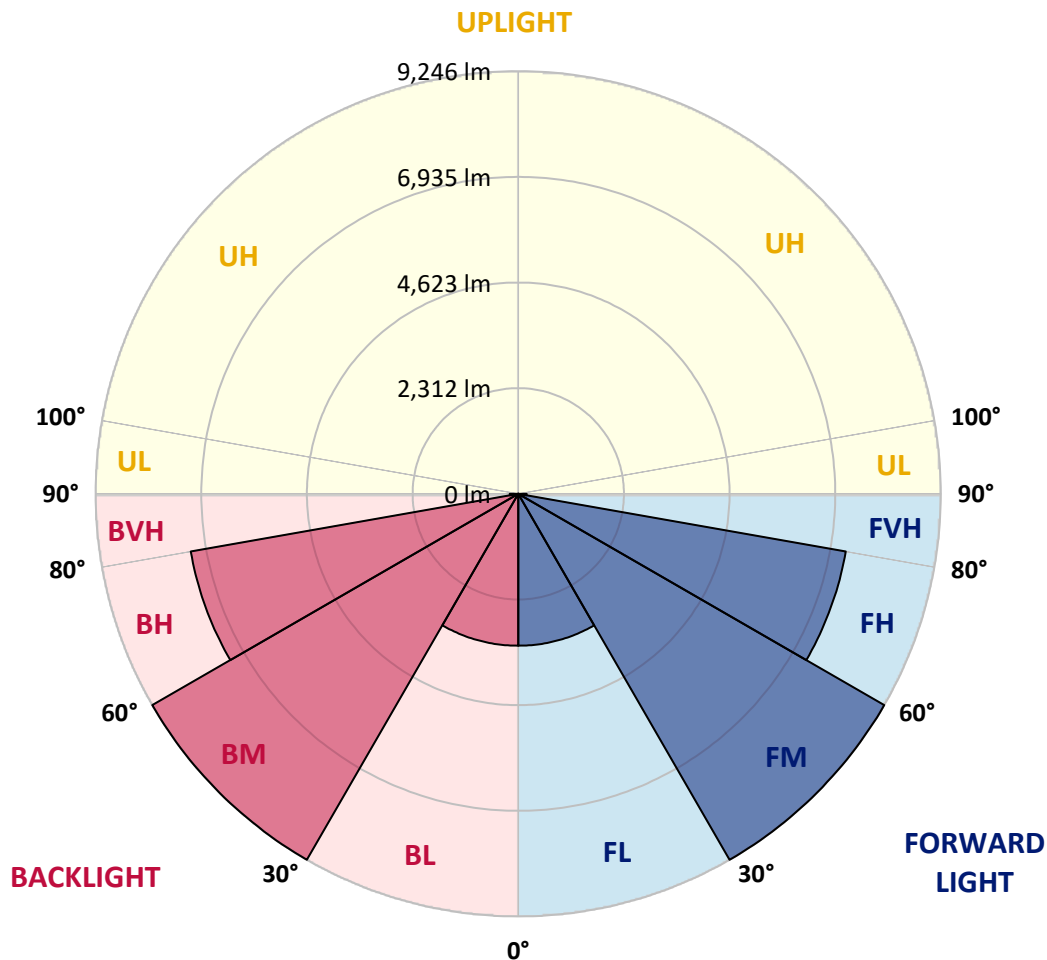
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3322.7	8.3			
FM (30°-60°)	9246.5	23.1			
FH (60°-80°)	7276.6	18.2			G3/7500
FVH (80°-90°)	183.7	0.5			G2/225
BL (0°-30°)	3322.7	8.3	B4/5000		
BM (30°-60°)	9246.5	23.1	B5		
BH (60°-80°)	7276.6	18.2	B5		G5
BVH (80°-90°)	183.7	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°	7485.4	7485.4	7485.4	7485.4	7485.4	7485.4	7485.4	7485.4	7485.4	7485.4
2.5°	7491.8	7500.3	7500.3	7494.0	7508.9	7496.1	7496.1	7489.7	7496.1	7489.7
5°	7530.2	7540.8	7545.1	7542.9	7562.1	7551.4	7551.4	7542.9	7545.1	7538.7
7.5°	7602.5	7617.4	7626.0	7636.6	7664.3	7651.5	7643.0	7617.4	7606.8	7589.8
10°	7626.0	7643.0	7670.7	7726.0	7789.9	7792.0	7766.5	7702.6	7653.6	7615.3
12.5°	7553.6	7577.0	7634.5	7747.3	7890.0	7947.4	7907.0	7800.5	7704.7	7636.6
15°	7462.0	7487.6	7574.9	7745.2	7955.9	8090.1	8085.8	7945.3	7792.0	7685.6
17.5°	7319.4	7344.9	7470.5	7709.0	8007.0	8228.5	8288.1	8143.3	7928.3	7785.6
20°	7061.8	7085.2	7259.8	7594.0	8024.1	8375.4	8530.8	8403.0	8134.8	7941.0
22.5°	6727.5	6763.7	6968.1	7396.0	7983.6	8528.6	8807.5	8720.2	8375.4	8107.1
25°	6369.9	6408.2	6646.6	7153.3	7879.3	8639.3	9135.4	9080.0	8647.9	8313.6
27.5°	6061.2	6101.6	6361.4	6912.8	7717.5	8681.9	9459.0	9486.7	8977.9	8541.4
30°	5818.5	5856.8	6133.6	6719.0	7508.9	8639.3	9742.2	9933.8	9314.2	8739.4
32.5°	5552.3	5601.3	5893.0	6482.7	7261.9	8537.2	9989.1	10417.0	9703.8	8952.3
35°	5216.0	5260.7	5567.2	6159.1	6938.3	8373.2	10195.6	10953.5	10261.6	9275.9
37.5°	4807.2	4849.8	5154.2	5754.6	6616.8	8143.3	10353.2	11558.2	10925.9	9742.2
40°	4396.3	4436.8	4722.0	5303.3	6231.5	7849.5	10408.5	12150.0	11688.0	10383.0
42.5°	4019.5	4055.7	4317.5	4858.3	5799.3	7474.8	10336.1	12665.2	12371.4	10830.1
45°	3672.5	3704.4	3936.5	4441.0	5350.1	7019.2	10119.0	13218.8	13184.7	11149.4
47.5°	3276.5	3308.4	3549.0	4036.5	4900.9	6484.8	9750.7	13763.8	14315.2	11873.2
50°	2793.2	2820.9	3067.8	3570.3	4434.6	5916.4	9239.7	14191.7	15741.6	12969.7
52.5°	2220.5	2250.3	2490.9	2993.3	3881.1	5305.4	8567.0	14470.6	17389.4	14570.6
55°	1652.1	1673.4	1882.0	2333.3	3195.6	4609.2	7723.9	14549.4	19258.6	16759.2
57.5°	1198.6	1211.4	1345.5	1681.9	2422.8	3738.5	6699.9	14345.0	21483.4	19565.2
60°	970.8	975.1	1015.5	1164.5	1684.0	2754.9	5462.9	13642.4	23897.7	23182.3
62.5°	881.4	881.4	892.0	932.5	1139.0	1818.1	3966.3	12186.2	26486.5	27753.2
65°	819.7	819.7	823.9	843.1	898.4	1158.2	2503.7	9814.5	28668.7	33107.6
67.5°	764.3	766.4	764.3	770.7	802.6	855.8	1452.0	6778.6	29843.9	38655.6
70°	706.8	711.1	700.4	700.4	726.0	728.1	909.1	3717.2	28868.8	43305.3
72.5°	638.7	645.1	628.0	623.8	642.9	634.4	683.4	1784.1	24785.4	44693.4
75°	579.1	587.6	549.3	538.6	538.6	532.2	555.7	915.5	16086.5	36458.6
77.5°	525.9	542.9	481.1	447.1	438.6	419.4	453.5	559.9	7036.2	17116.9
80°	434.3	457.7	396.0	355.5	340.6	319.3	357.7	391.7	2092.8	3974.8
82.5°	323.6	334.2	281.0	253.3	240.6	225.7	268.2	272.5	681.3	1407.2
85°	206.5	210.8	172.4	149.0	142.6	136.3	170.3	149.0	259.7	1034.7
87.5°	72.4	83.0	66.0	59.6	63.9	53.2	78.8	44.7	72.4	730.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7485.4
7489.7
7538.7
7589.8
7608.9
7626.0
7668.5
7762.2
7904.9
8058.1
8245.5
8469.0
8635.1
8820.3
9129.0
9546.3
10174.3
10561.8
10787.5
11456.0
12445.9
13925.6
15952.3
18549.7
21902.8
26039.4
30940.3
36315.9
42690.0
46311.4
38996.3
16761.4
3806.6
1590.3
1503.1
904.8
0.0

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