

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: P851414

Luminaire Tested: **GLAN-SB9B-850-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851414
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-SB9B-850-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43567 lumens
Efficiency: N/A
Efficacy: 132.2 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

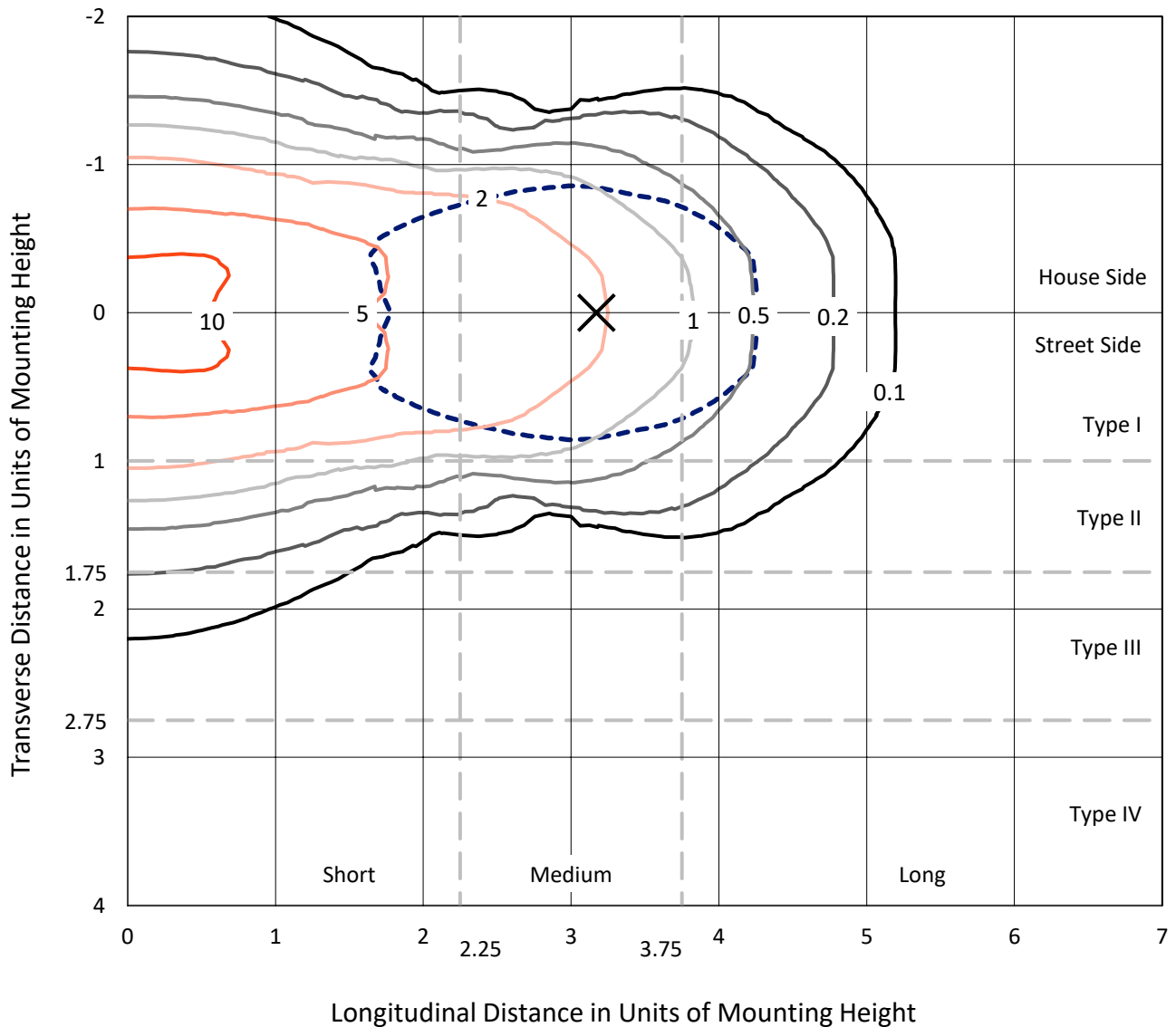
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

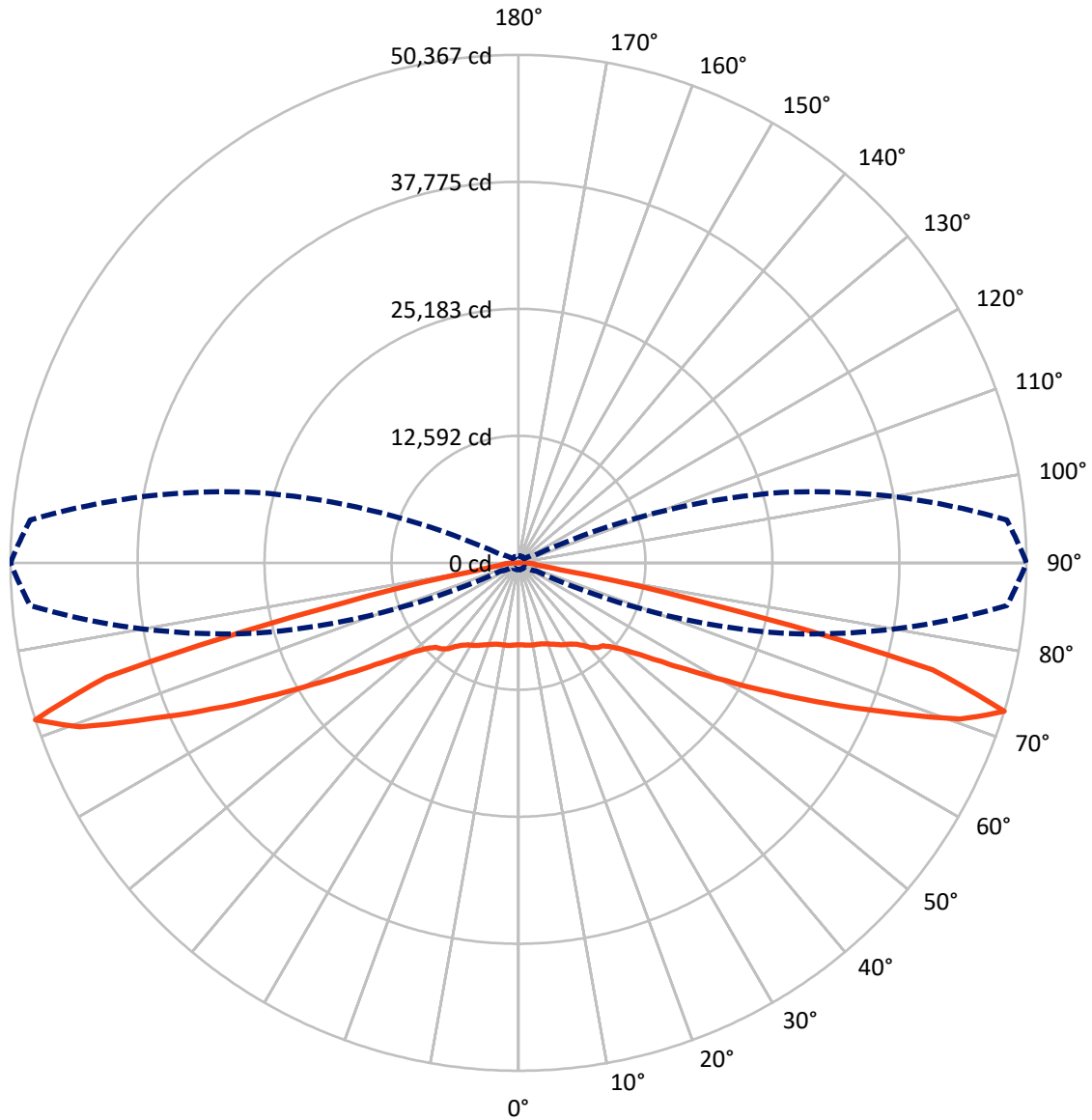
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 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	21783.5	0.0	21783.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21783.5	0.0	21783.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	43567.0	0.0	43567.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	789.4	1.8
10°-20°	2413.6	5.5
20°-30°	4024.4	9.2
30°-40°	5534.8	12.7
40°-50°	6759.5	15.5
50°-60°	7818.1	17.9
60°-70°	9321.8	21.4
70°-80°	6506.0	14.9
80°-90°	399.6	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°	43567.0	100.0
0°-180°	43567.0	100.0

Coefficient of Utilization

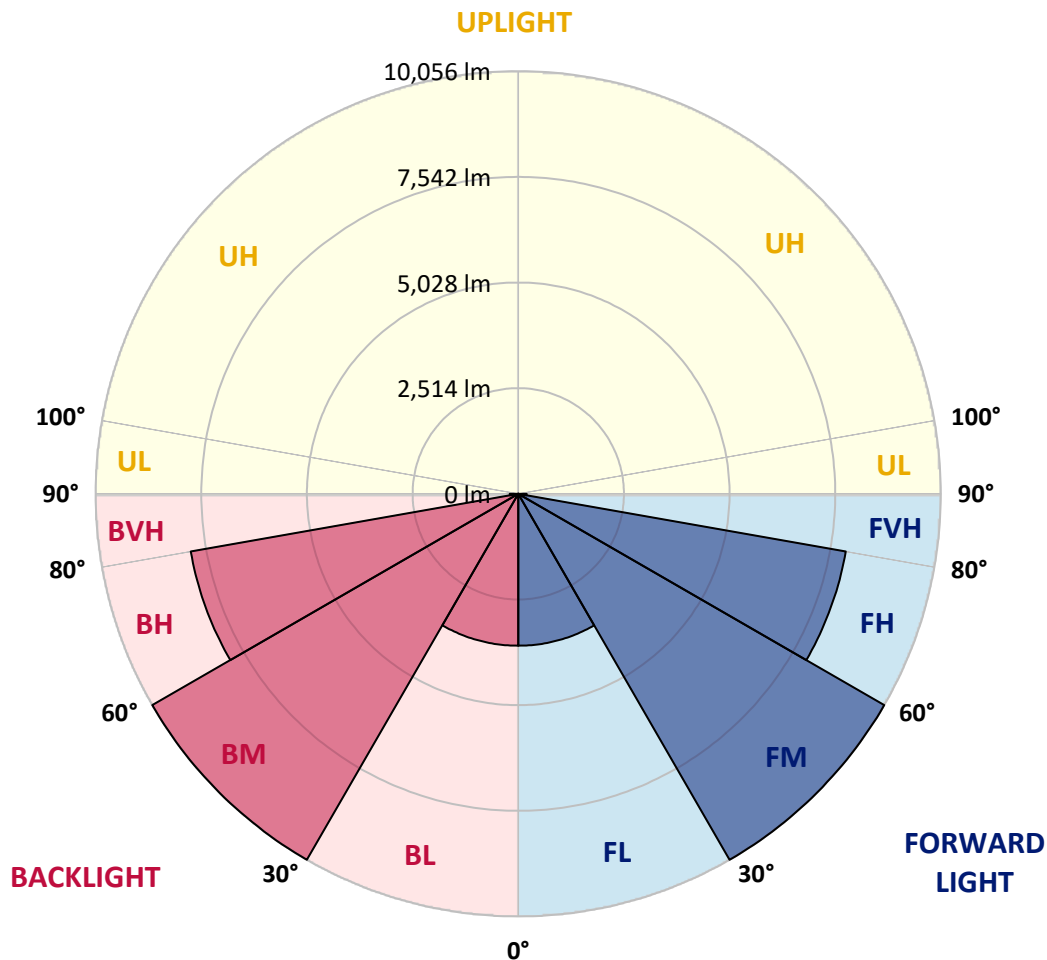


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3613.7	8.3			
FM (30°-60°)	10056.2	23.1			
FH (60°-80°)	7913.9	18.2			G4/12000
FVH (80°-90°)	199.8	0.5			G2/225
BL (0°-30°)	3613.7	8.3	B4/5000		
BM (30°-60°)	10056.2	23.1	B5		
BH (60°-80°)	7913.9	18.2	B5		G5
BVH (80°-90°)	199.8	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°	8141.0	8141.0	8141.0	8141.0	8141.0	8141.0	8141.0	8141.0	8141.0	8141.0
2.5°	8147.9	8157.2	8157.2	8150.2	8166.4	8152.5	8152.5	8145.6	8152.5	8145.6
5°	8189.6	8201.2	8205.8	8203.5	8224.3	8212.7	8212.7	8203.5	8205.8	8198.8
7.5°	8268.3	8284.5	8293.8	8305.3	8335.4	8321.6	8312.3	8284.5	8272.9	8254.4
10°	8293.8	8312.3	8342.4	8402.6	8472.1	8474.4	8446.6	8377.1	8323.9	8282.2
12.5°	8215.0	8240.5	8303.0	8425.7	8580.9	8643.4	8599.4	8483.6	8379.4	8305.3
15°	8115.5	8143.3	8238.2	8423.4	8652.7	8798.5	8793.9	8641.1	8474.4	8358.6
17.5°	7960.4	7988.1	8124.7	8384.1	8708.2	8949.0	9013.9	8856.4	8622.6	8467.4
20°	7680.2	7705.7	7895.5	8259.0	8726.8	9108.8	9277.8	9138.9	8847.2	8636.4
22.5°	7316.7	7356.0	7578.3	8043.7	8682.8	9275.5	9578.8	9483.9	9108.8	8817.1
25°	6927.7	6969.4	7228.7	7779.8	8569.3	9395.9	9935.4	9875.2	9405.2	9041.6
27.5°	6591.9	6635.9	6918.4	7518.1	8393.3	9442.2	10287.3	10317.4	9764.1	9289.4
30°	6328.0	6369.7	6670.7	7307.4	8166.4	9395.9	10595.3	10803.7	10129.9	9504.7
32.5°	6038.6	6091.8	6409.0	7050.4	7897.8	9284.8	10863.9	11329.3	10553.6	9736.3
35°	5672.7	5721.4	6054.8	6698.5	7545.9	9106.5	11088.5	11912.7	11160.2	10088.2
37.5°	5228.2	5274.5	5605.6	6258.5	7196.3	8856.4	11259.8	12570.3	11882.6	10595.3
40°	4781.3	4825.3	5135.6	5767.7	6777.2	8536.9	11320.0	13214.0	12711.6	11292.2
42.5°	4371.5	4410.8	4695.6	5283.7	6307.2	8129.4	11241.3	13774.3	13454.8	11778.5
45°	3994.1	4028.8	4281.2	4829.9	5818.6	7633.9	11005.1	14376.3	14339.3	12125.8
47.5°	3563.4	3598.1	3859.8	4390.0	5330.1	7052.7	10604.5	14969.1	15568.8	12913.0
50°	3037.8	3067.9	3336.5	3882.9	4823.0	6434.5	10048.8	15434.5	17120.1	14105.4
52.5°	2415.0	2447.4	2709.0	3255.5	4221.0	5770.0	9317.2	15737.8	18912.2	15846.6
55°	1796.8	1819.9	2046.8	2537.7	3475.4	5012.8	8400.3	15823.5	20945.1	18226.8
57.5°	1303.6	1317.5	1463.3	1829.2	2634.9	4065.8	7286.6	15601.2	23364.7	21278.5
60°	1055.8	1060.5	1104.4	1266.5	1831.5	2996.1	5941.3	14837.1	25990.4	25212.4
62.5°	958.6	958.6	970.2	1014.1	1238.7	1977.4	4313.6	13253.4	28805.9	30183.6
65°	891.4	891.4	896.1	916.9	977.1	1259.6	2722.9	10674.0	31179.2	36006.8
67.5°	831.2	833.5	831.2	838.2	872.9	930.8	1579.1	7372.2	32457.3	42040.8
70°	768.7	773.3	761.8	761.8	789.6	791.9	988.7	4042.7	31396.9	47097.6
72.5°	694.6	701.6	683.0	678.4	699.3	690.0	743.2	1940.3	26955.9	48607.2
75°	629.8	639.1	597.4	585.8	585.8	578.9	604.3	995.6	17495.2	39651.3
77.5°	571.9	590.4	523.3	486.2	477.0	456.1	493.2	609.0	7652.4	18615.8
80°	472.3	497.8	430.7	386.7	370.5	347.3	389.0	426.0	2276.0	4322.9
82.5°	351.9	363.5	305.6	275.5	261.6	245.4	291.7	296.4	740.9	1530.5
85°	224.6	229.2	187.5	162.1	155.1	148.2	185.2	162.1	282.5	1125.3
87.5°	78.7	90.3	71.8	64.8	69.5	57.9	85.7	48.6	78.7	794.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

8141.0
8145.6
8198.8
8254.4
8275.2
8293.8
8340.1
8442.0
8597.1
8763.8
8967.6
9210.7
9391.3
9592.7
9928.4
10382.3
11065.3
11486.7
11732.1
12459.2
13535.8
15145.0
17349.3
20174.1
23820.9
28319.7
33649.7
39496.1
46428.4
50366.9
42411.2
18229.2
4139.9
1729.6
1634.7
984.0
0.0

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