

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: P851644

Luminaire Tested: **GLAN-SB9D-722-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851644
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-SB9D-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 71701 lumens
Efficiency: N/A
Efficacy: 109.0 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

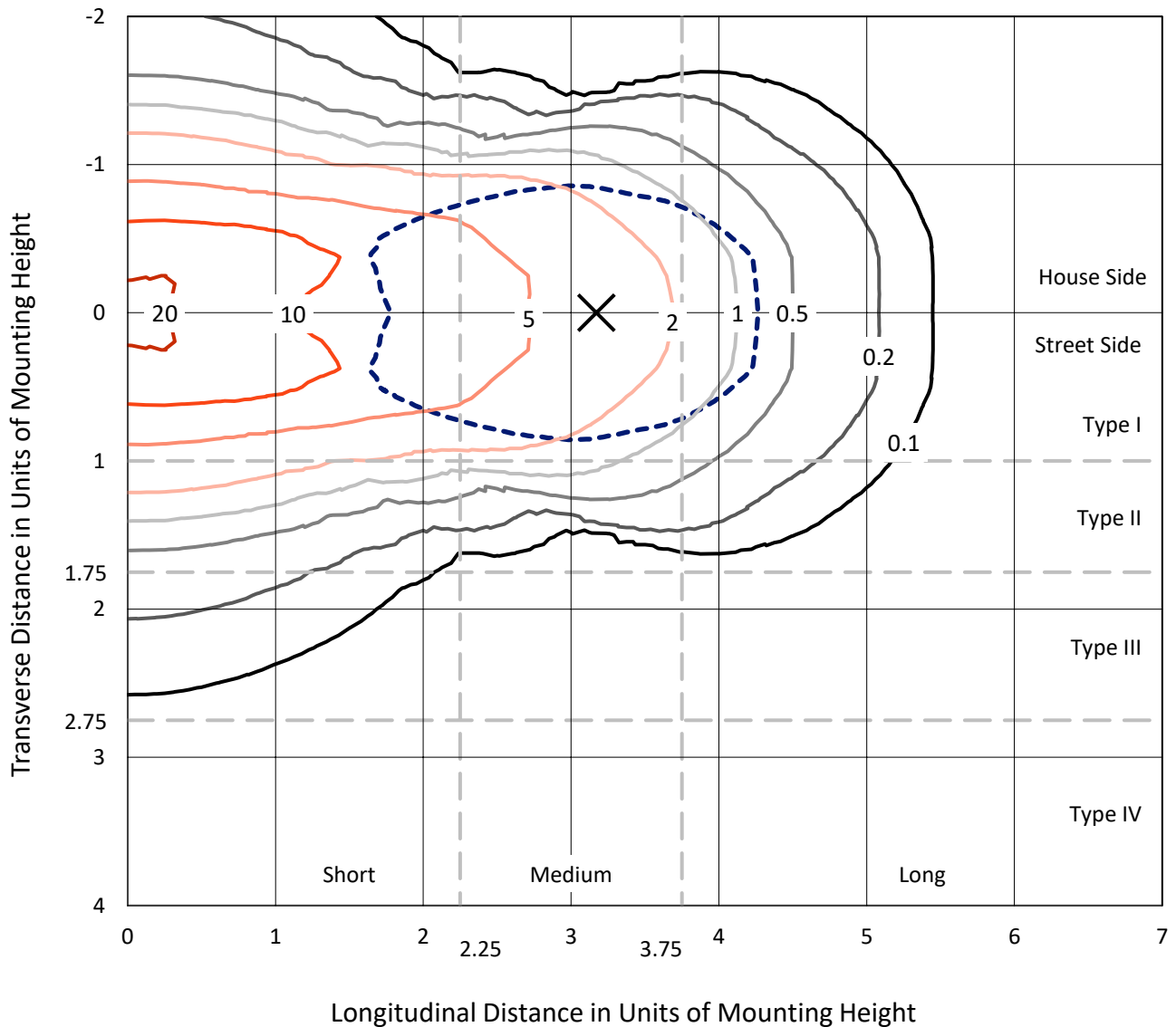
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

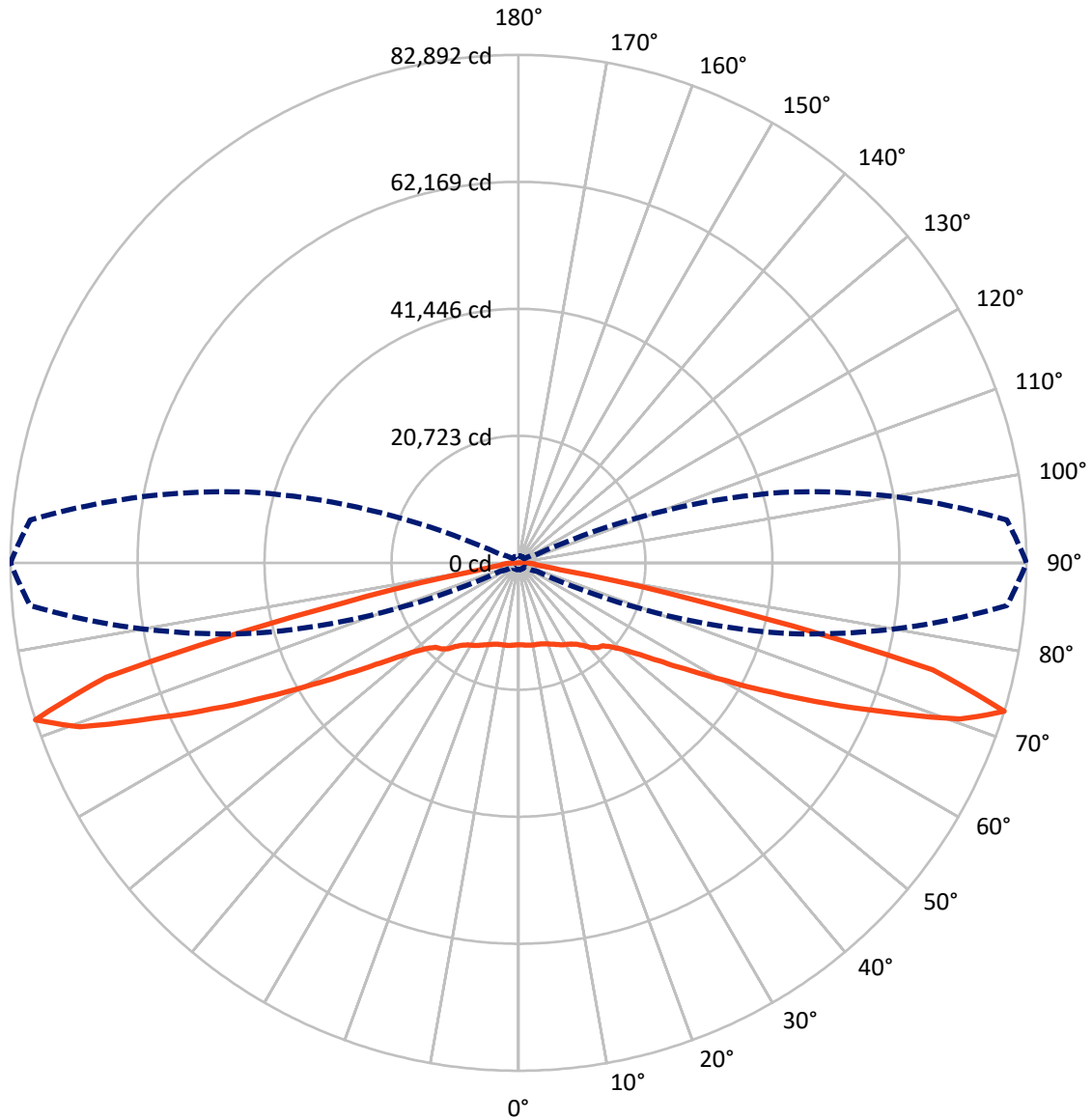
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.4 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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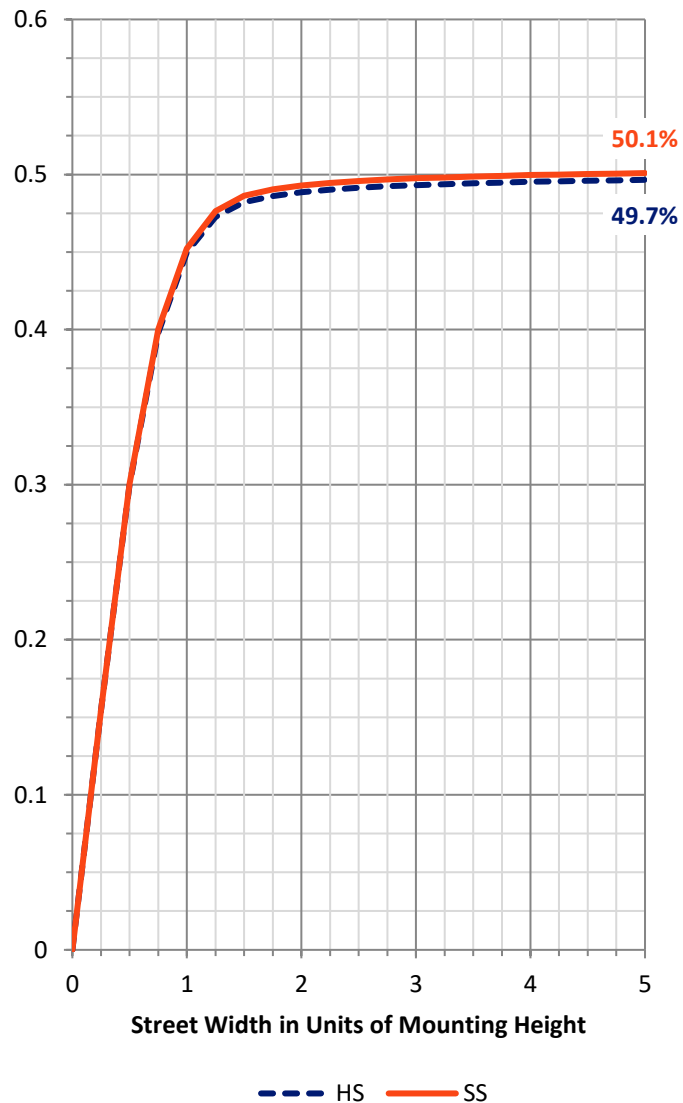
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	35850.5	0.0	35850.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	35850.5	0.0	35850.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	71701.0	0.0	71701.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1299.1	1.8
10°-20°	3972.1	5.5
20°-30°	6623.2	9.2
30°-40°	9109.0	12.7
40°-50°	11124.5	15.5
50°-60°	12866.7	17.9
60°-70°	15341.4	21.4
70°-80°	10707.3	14.9
80°-90°	657.6	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°	71701.0	100.0
0°-180°	71701.0	100.0

Coefficient of Utilization

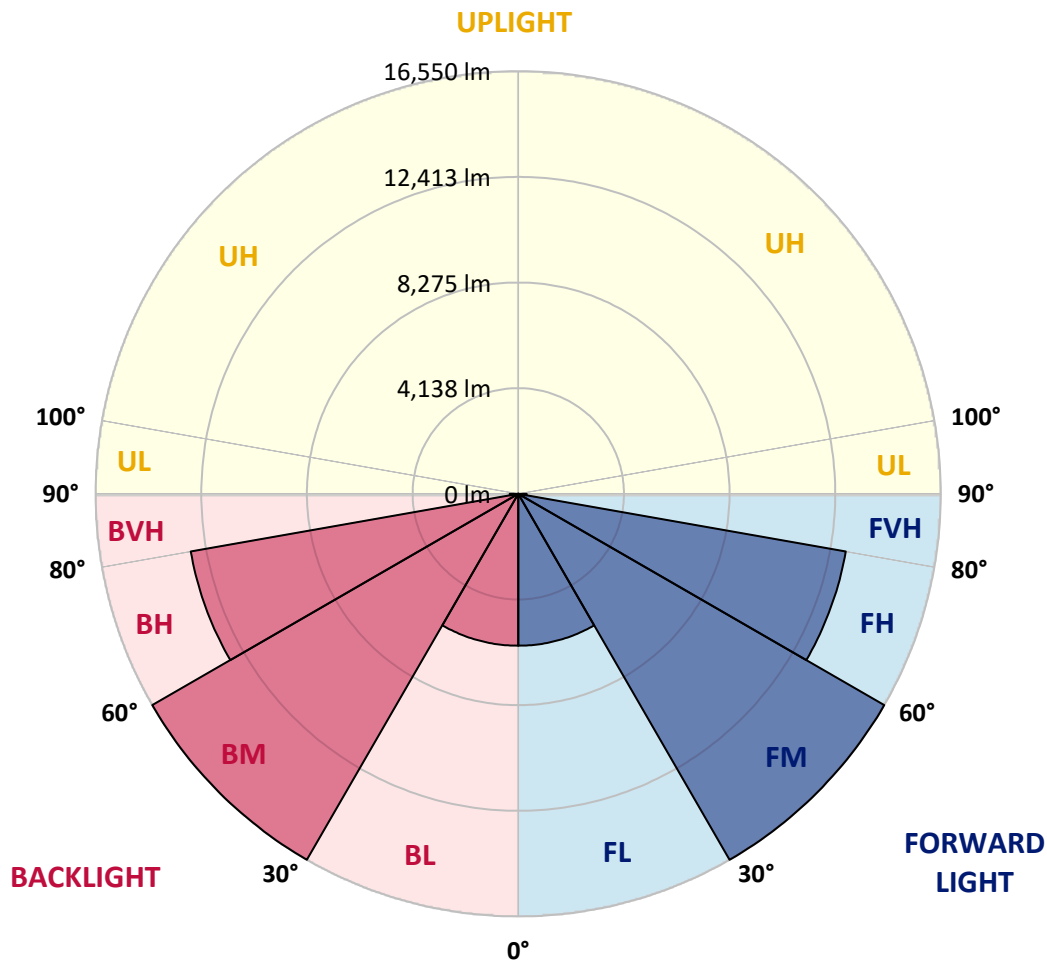


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5947.2	8.3			
FM (30°-60°)	16550.1	23.1			
FH (60°-80°)	13024.4	18.2			G5
FVH (80°-90°)	328.8	0.5			G3/500
BL (0°-30°)	5947.2	8.3	B5		
BM (30°-60°)	16550.1	23.1	B5		
BH (60°-80°)	13024.4	18.2	B5		G5
BVH (80°-90°)	328.8	0.5			G3/500
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°	13398.1	13398.1	13398.1	13398.1	13398.1	13398.1	13398.1	13398.1	13398.1	13398.1
2.5°	13409.5	13424.8	13424.8	13413.3	13440.0	13417.1	13417.1	13405.7	13417.1	13405.7
5°	13478.1	13497.2	13504.8	13501.0	13535.3	13516.2	13516.2	13501.0	13504.8	13493.4
7.5°	13607.7	13634.3	13649.6	13668.6	13718.2	13695.3	13680.1	13634.3	13615.3	13584.8
10°	13649.6	13680.1	13729.6	13828.7	13943.0	13946.8	13901.1	13786.8	13699.1	13630.5
12.5°	13520.0	13561.9	13664.8	13866.8	14122.1	14225.0	14152.6	13962.1	13790.6	13668.6
15°	13356.2	13401.9	13558.1	13863.0	14240.2	14480.3	14472.7	14221.2	13946.8	13756.3
17.5°	13100.9	13146.6	13371.4	13798.2	14331.7	14728.0	14834.7	14575.6	14190.7	13935.4
20°	12639.8	12681.7	12994.2	13592.4	14362.2	14990.9	15269.1	15040.5	14560.3	14213.6
22.5°	12041.5	12106.3	12472.1	13238.0	14289.8	15265.3	15764.5	15608.2	14990.9	14510.8
25°	11401.3	11469.9	11896.7	12803.6	14103.1	15463.4	16351.3	16252.2	15478.7	14880.4
27.5°	10848.8	10921.2	11386.1	12373.0	13813.4	15539.6	16930.5	16980.1	16069.3	15288.1
30°	10414.4	10483.0	10978.4	12026.3	13440.0	15463.4	17437.3	17780.3	16671.4	15642.5
32.5°	9938.1	10025.7	10547.8	11603.3	12998.0	15280.5	17879.4	18645.3	17368.7	16023.6
35°	9336.0	9416.0	9964.7	11024.1	12418.8	14987.1	18249.0	19605.6	18367.1	16602.8
37.5°	8604.3	8680.6	9225.5	10300.1	11843.4	14575.6	18531.0	20687.8	19556.0	17437.3
40°	7868.9	7941.3	8451.9	9492.2	11153.6	14049.7	18630.0	21747.1	20920.2	18584.3
42.5°	7194.4	7259.2	7727.9	8695.8	10380.1	13379.0	18500.5	22669.3	22143.4	19384.5
45°	6573.3	6630.5	7045.8	7948.9	9576.1	12563.6	18111.8	23660.0	23599.1	19956.1
47.5°	5864.5	5921.7	6352.3	7224.9	8772.0	11607.1	17452.6	24635.6	25622.5	21251.7
50°	4999.5	5049.1	5491.1	6390.4	7937.5	10589.7	16538.0	25401.5	28175.6	23214.2
52.5°	3974.5	4027.8	4458.4	5357.7	6946.7	9496.0	15333.9	25900.7	31125.0	26079.8
55°	2957.0	2995.1	3368.6	4176.4	5719.7	8250.0	13824.9	26041.7	34470.7	29997.1
57.5°	2145.4	2168.2	2408.3	3010.4	4336.5	6691.4	11992.0	25675.9	38452.8	35019.5
60°	1737.6	1745.3	1817.7	2084.4	3014.2	4930.9	9778.0	24418.4	42774.0	41493.7
62.5°	1577.6	1577.6	1596.6	1669.0	2038.7	3254.3	7099.2	21811.9	47407.7	49675.1
65°	1467.1	1467.1	1474.7	1509.0	1608.1	2073.0	4481.3	17566.9	51313.6	59258.7
67.5°	1368.0	1371.8	1368.0	1379.4	1436.6	1531.9	2598.8	12133.0	53417.1	69189.2
70°	1265.1	1272.7	1253.7	1253.7	1299.4	1303.2	1627.1	6653.3	51671.8	77511.5
72.5°	1143.2	1154.6	1124.1	1116.5	1150.8	1135.6	1223.2	3193.3	44363.1	79996.0
75°	1036.5	1051.7	983.1	964.1	964.1	952.7	994.6	1638.6	28792.9	65256.6
77.5°	941.2	971.7	861.2	800.2	785.0	750.7	811.7	1002.2	12594.1	30637.3
80°	777.4	819.3	708.8	636.4	609.7	571.6	640.2	701.2	3745.8	7114.4
82.5°	579.2	598.3	503.0	453.5	430.6	403.9	480.1	487.8	1219.4	2518.8
85°	369.6	377.2	308.7	266.7	255.3	243.9	304.8	266.7	464.9	1852.0
87.5°	129.6	148.6	118.1	106.7	114.3	95.3	141.0	80.0	129.6	1307.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

13398.1
13405.7
13493.4
13584.8
13619.1
13649.6
13725.8
13893.5
14148.8
14423.1
14758.5
15158.6
15455.8
15787.3
16339.9
17086.8
18210.9
18904.4
19308.3
20504.9
22276.8
24925.2
28552.9
33201.8
39203.5
46607.5
55379.5
65001.3
76410.3
82892.1
69798.9
30000.9
6813.4
2846.5
2690.3
1619.5
0.0

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