

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: P848924

Luminaire Tested: **GLAN-SB5D-722-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848924
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-SB5D-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 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: 39765 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

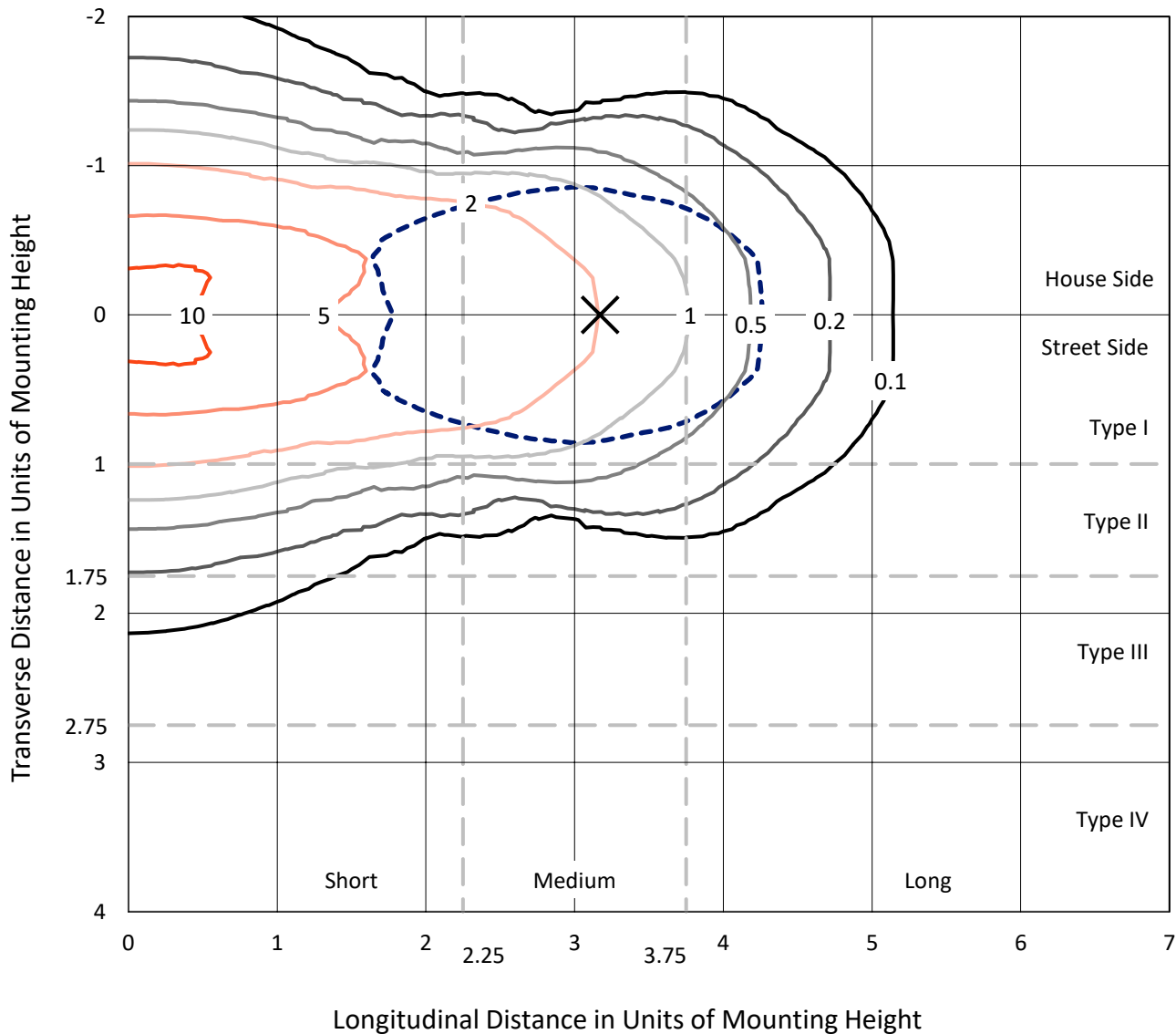
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

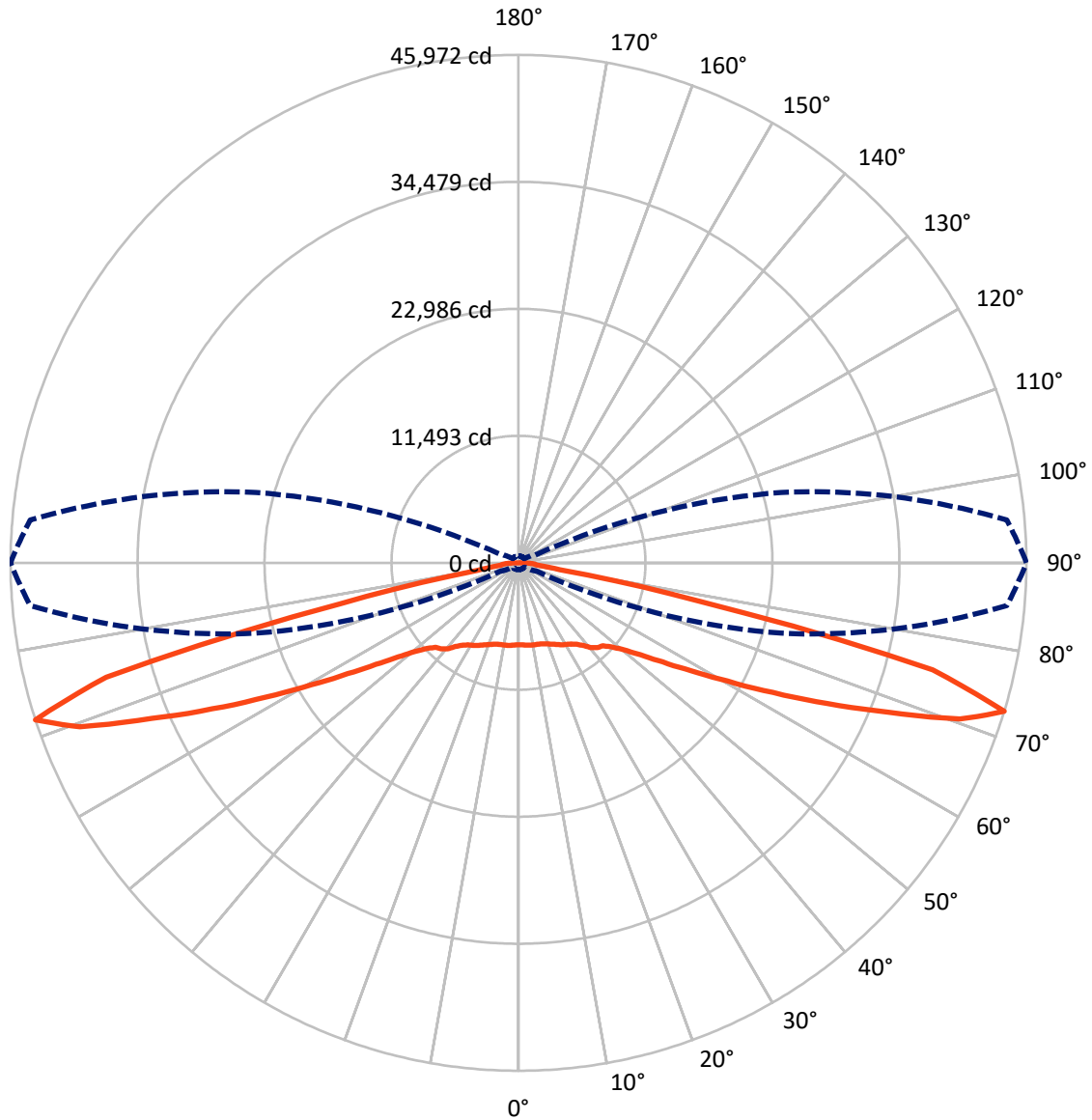
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 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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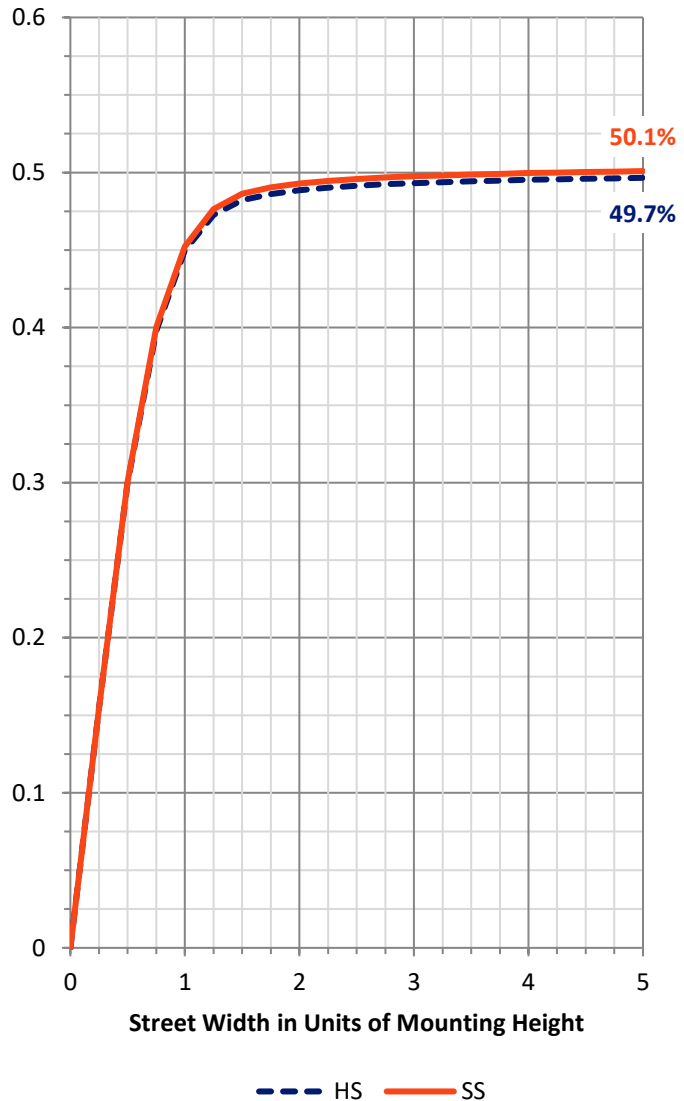
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19882.5	0.0	19882.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19882.5	0.0	19882.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	39765.0	0.0	39765.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	720.5	1.8
10°-20°	2202.9	5.5
20°-30°	3673.2	9.2
30°-40°	5051.8	12.7
40°-50°	6169.6	15.5
50°-60°	7135.8	17.9
60°-70°	8508.3	21.4
70°-80°	5938.2	14.9
80°-90°	364.7	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°	39765.0	100.0
0°-180°	39765.0	100.0

Coefficient of Utilization



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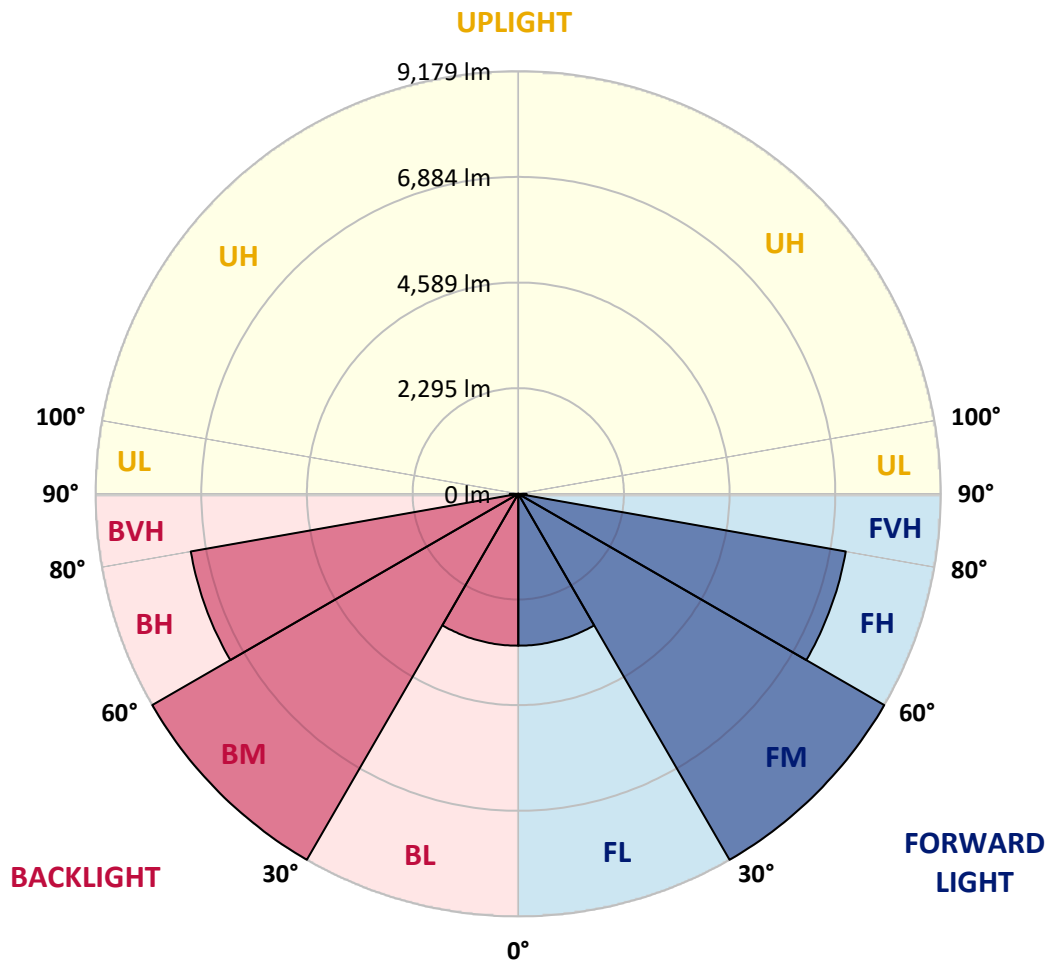
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3298.3	8.3			
FM (30°-60°)	9178.6	23.1			
FH (60°-80°)	7223.2	18.2			G3/7500
FVH (80°-90°)	182.4	0.5			G2/225
BL (0°-30°)	3298.3	8.3	B4/5000		
BM (30°-60°)	9178.6	23.1	B5		
BH (60°-80°)	7223.2	18.2	B5		G5
BVH (80°-90°)	182.4	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°	7430.5	7430.5	7430.5	7430.5	7430.5	7430.5	7430.5	7430.5	7430.5	7430.5
2.5°	7436.9	7445.3	7445.3	7439.0	7453.8	7441.1	7441.1	7434.7	7441.1	7434.7
5°	7474.9	7485.5	7489.7	7487.6	7506.6	7496.0	7496.0	7487.6	7489.7	7483.3
7.5°	7546.7	7561.5	7570.0	7580.6	7608.0	7595.4	7586.9	7561.5	7551.0	7534.1
10°	7570.0	7586.9	7614.4	7669.3	7732.7	7734.8	7709.5	7646.1	7597.5	7559.4
12.5°	7498.1	7521.4	7578.4	7690.5	7832.0	7889.1	7849.0	7743.3	7648.2	7580.6
15°	7407.3	7432.6	7519.3	7688.3	7897.6	8030.7	8026.5	7887.0	7734.8	7629.2
17.5°	7265.7	7291.0	7415.7	7652.4	7948.3	8168.1	8227.2	8083.5	7870.1	7728.5
20°	7010.0	7033.2	7206.5	7538.3	7965.2	8313.9	8468.2	8341.4	8075.1	7882.8
22.5°	6678.2	6714.1	6917.0	7341.7	7925.0	8466.0	8742.9	8656.2	8313.9	8047.6
25°	6323.1	6361.2	6597.9	7100.8	7821.5	8575.9	9068.3	9013.4	8584.4	8252.6
27.5°	6016.7	6056.8	6314.7	6862.0	7660.9	8618.2	9389.6	9417.1	8912.0	8478.7
30°	5775.8	5813.8	6088.5	6669.7	7453.8	8575.9	9670.7	9860.9	9245.9	8675.3
32.5°	5511.6	5560.2	5849.7	6435.1	7208.6	8474.5	9915.8	10340.6	9632.6	8886.6
35°	5177.7	5222.1	5526.4	6113.9	6887.4	8311.8	10120.8	10873.1	10186.3	9207.8
37.5°	4771.9	4814.2	5116.4	5712.4	6568.3	8083.5	10277.2	11473.3	10845.7	9670.7
40°	4364.1	4404.2	4687.4	5264.3	6185.8	7791.9	10332.1	12060.8	11602.2	10306.8
42.5°	3990.0	4025.9	4285.9	4822.6	5756.7	7419.9	10260.3	12572.3	12280.6	10750.6
45°	3645.5	3677.2	3907.6	4408.4	5310.8	6967.7	10044.7	13121.7	13087.9	11067.6
47.5°	3252.4	3284.1	3522.9	4006.9	4864.9	6437.2	9679.1	13662.8	14210.1	11786.1
50°	2772.7	2800.2	3045.3	3544.1	4402.1	5873.0	9171.9	14087.5	15626.0	12874.5
52.5°	2204.2	2233.8	2472.6	2971.4	3852.6	5266.4	8504.1	14364.4	17261.8	14463.7
55°	1640.0	1661.1	1868.2	2316.2	3172.1	4575.4	7667.2	14442.6	19117.3	16636.2
57.5°	1189.8	1202.5	1335.6	1669.5	2405.0	3711.0	6650.7	14239.7	21325.7	19421.6
60°	963.7	967.9	1008.1	1156.0	1671.7	2734.7	5422.8	13542.3	23722.3	23012.2
62.5°	874.9	874.9	885.5	925.6	1130.6	1804.8	3937.2	12096.8	26292.1	27549.5
65°	813.6	813.6	817.9	836.9	891.8	1149.7	2485.3	9742.5	28458.3	32864.6
67.5°	758.7	760.8	758.7	765.0	796.7	849.6	1441.3	6728.9	29624.8	38371.9
70°	701.6	705.9	695.3	695.3	720.6	722.8	902.4	3689.9	28656.9	42987.5
72.5°	634.0	640.3	623.4	619.2	638.2	629.8	678.4	1771.0	24603.5	44365.4
75°	574.8	583.3	545.2	534.7	534.7	528.3	551.6	908.7	15968.4	36191.0
77.5°	522.0	538.9	477.6	443.8	435.3	416.3	450.1	555.8	6984.6	16991.3
80°	431.1	454.4	393.1	352.9	338.1	317.0	355.0	388.9	2077.4	3945.6
82.5°	321.2	331.8	279.0	251.5	238.8	224.0	266.3	270.5	676.3	1396.9
85°	205.0	209.2	171.2	147.9	141.6	135.3	169.1	147.9	257.8	1027.1
87.5°	71.9	82.4	65.5	59.2	63.4	52.8	78.2	44.4	71.9	724.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7430.5
7434.7
7483.3
7534.1
7553.1
7570.0
7612.3
7705.2
7846.8
7999.0
8185.0
8406.9
8571.7
8755.6
9062.0
9476.2
10099.7
10484.3
10708.3
11371.9
12354.6
13823.4
15835.3
18413.5
21742.1
25848.3
30713.2
36049.4
42376.7
45971.5
38710.1
16638.3
3778.7
1578.7
1492.0
898.2
0.0

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