

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: P846884

Luminaire Tested: **GLAN-SB2D-722-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846884
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-SB2D-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 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: 15743 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

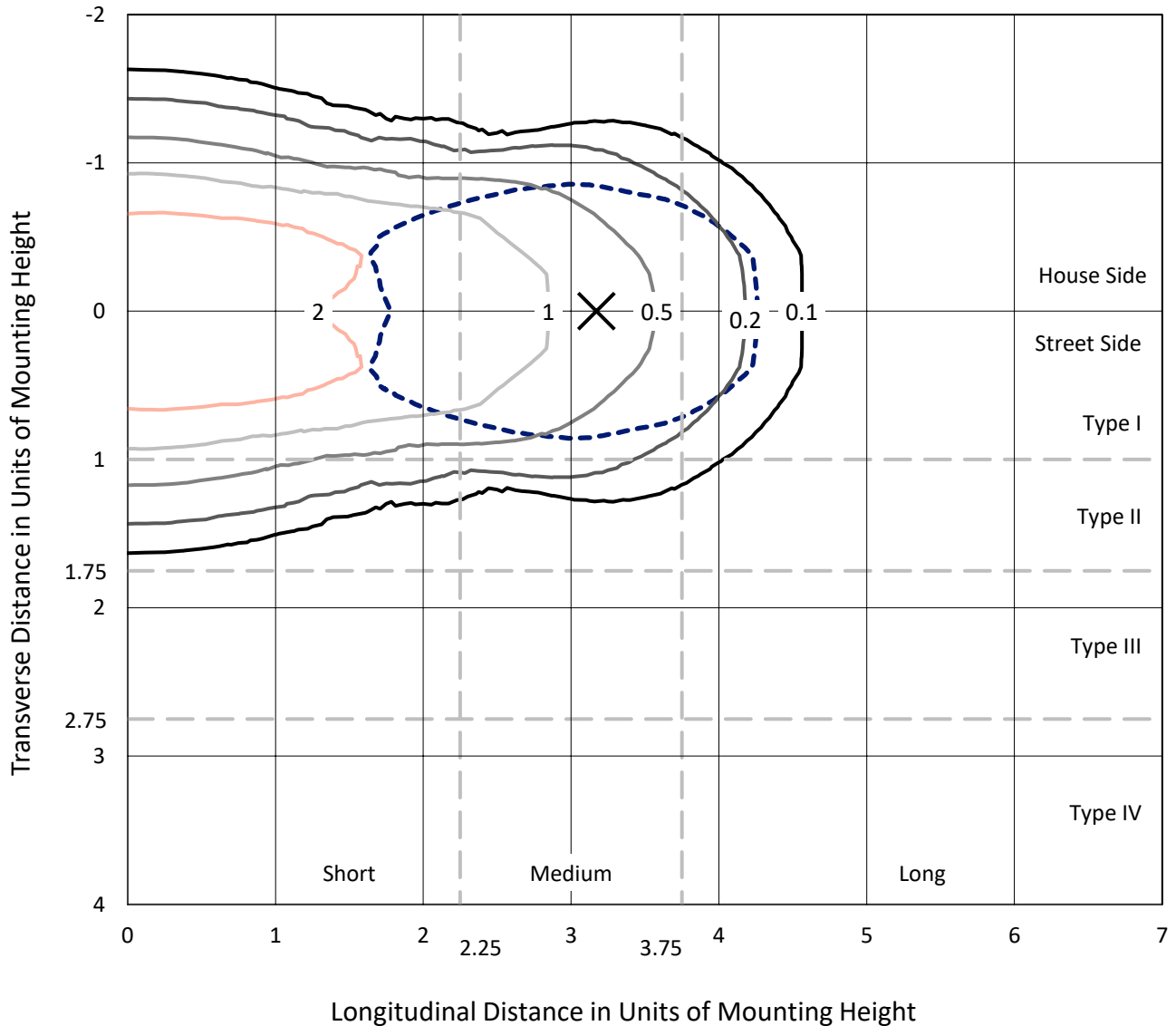
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

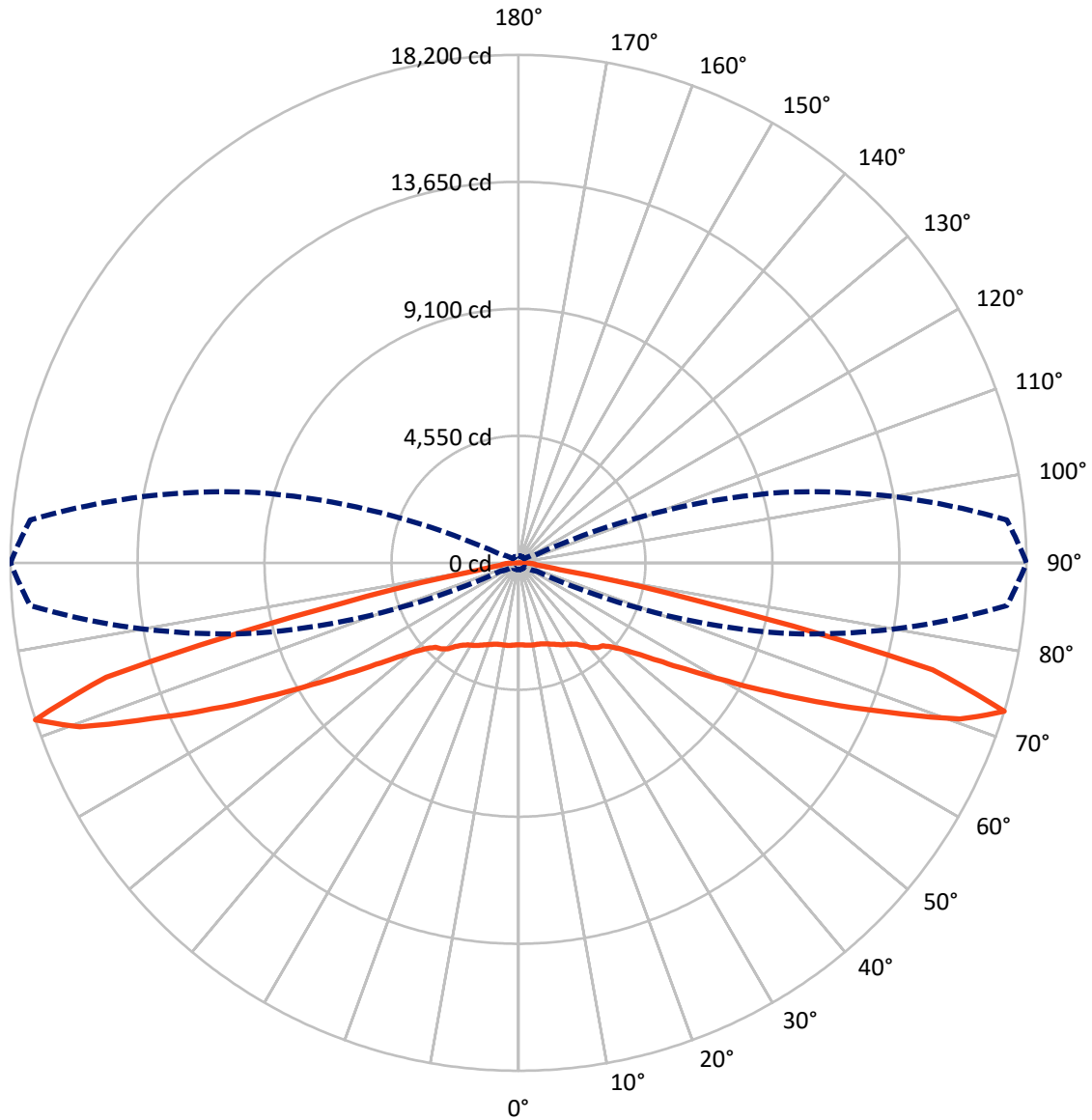
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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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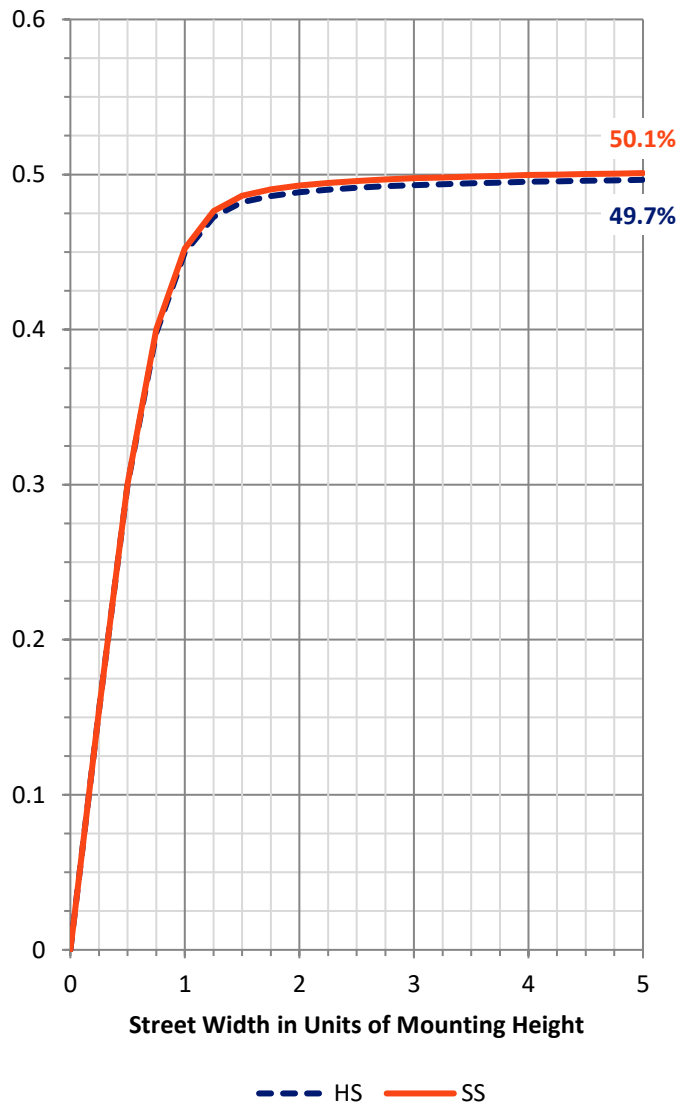
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7871.5	0.0	7871.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7871.5	0.0	7871.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15743.0	0.0	15743.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.2	1.8
10°-20°	872.1	5.5
20°-30°	1454.2	9.2
30°-40°	2000.0	12.7
40°-50°	2442.6	15.5
50°-60°	2825.1	17.9
60°-70°	3368.4	21.4
70°-80°	2350.9	14.9
80°-90°	144.4	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°	15743.0	100.0
0°-180°	15743.0	100.0

Coefficient of Utilization



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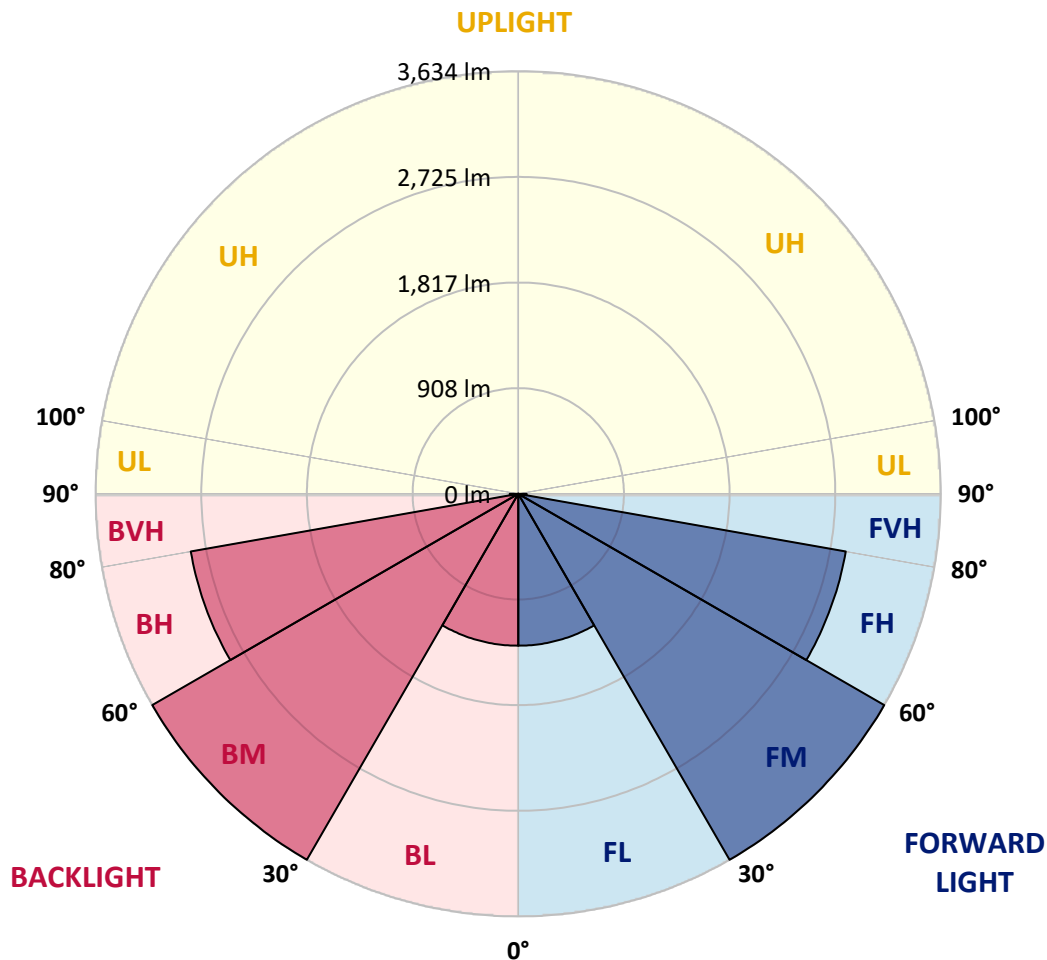
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1305.8	8.3			
FM (30°-60°)	3633.8	23.1			
FH (60°-80°)	2859.7	18.2			G2/5000
FVH (80°-90°)	72.2	0.5			G1/100
BL (0°-30°)	1305.8	8.3	B3/2500		
BM (30°-60°)	3633.8	23.1	B3/5000		
BH (60°-80°)	2859.7	18.2	B4/5000		G4/5000
BVH (80°-90°)	72.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2941.7	2941.7	2941.7	2941.7	2941.7	2941.7	2941.7	2941.7	2941.7	2941.7
2.5°	2944.3	2947.6	2947.6	2945.1	2950.9	2945.9	2945.9	2943.4	2945.9	2943.4
5°	2959.3	2963.5	2965.2	2964.3	2971.9	2967.7	2967.7	2964.3	2965.2	2962.7
7.5°	2987.8	2993.6	2997.0	3001.1	3012.0	3007.0	3003.7	2993.6	2989.4	2982.7
10°	2997.0	3003.7	3014.5	3036.3	3061.4	3062.2	3052.2	3027.1	3007.8	2992.8
12.5°	2968.5	2977.7	3000.3	3044.7	3100.7	3123.3	3107.4	3065.6	3027.9	3001.1
15°	2932.5	2942.6	2976.9	3043.8	3126.7	3179.4	3177.7	3122.5	3062.2	3020.4
17.5°	2876.5	2886.5	2935.9	3029.6	3146.7	3233.7	3257.2	3200.3	3115.8	3059.7
20°	2775.2	2784.5	2853.1	2984.4	3153.4	3291.5	3352.6	3302.4	3196.9	3120.8
22.5°	2643.9	2658.1	2738.4	2906.6	3137.5	3351.7	3461.3	3427.0	3291.5	3186.1
25°	2503.3	2518.4	2612.1	2811.2	3096.5	3395.2	3590.2	3568.4	3398.6	3267.2
27.5°	2382.0	2397.9	2500.0	2716.7	3032.9	3412.0	3717.3	3728.2	3528.3	3356.7
30°	2286.6	2301.7	2410.5	2640.5	2950.9	3395.2	3828.6	3903.9	3660.4	3434.5
32.5°	2182.0	2201.3	2315.9	2547.7	2853.9	3355.1	3925.7	4093.8	3813.6	3518.2
35°	2049.9	2067.4	2187.9	2420.5	2726.7	3290.6	4006.8	4304.7	4032.8	3645.4
37.5°	1889.2	1905.9	2025.6	2261.5	2600.4	3200.3	4068.7	4542.3	4293.8	3828.6
40°	1727.7	1743.6	1855.7	2084.2	2448.9	3084.8	4090.5	4774.9	4593.3	4080.5
42.5°	1579.6	1593.9	1696.8	1909.3	2279.1	2937.6	4062.1	4977.4	4861.9	4256.2
45°	1443.3	1455.8	1547.0	1745.3	2102.6	2758.5	3976.7	5194.9	5181.5	4381.7
47.5°	1287.6	1300.2	1394.7	1586.3	1926.0	2548.5	3832.0	5409.1	5625.8	4666.1
50°	1097.7	1108.6	1205.6	1403.1	1742.8	2325.1	3631.2	5577.3	6186.4	5097.0
52.5°	872.7	884.4	978.9	1176.4	1525.3	2085.0	3366.8	5686.9	6834.0	5726.2
55°	649.3	657.6	739.6	917.0	1255.8	1811.4	3035.5	5717.8	7568.6	6586.3
57.5°	471.0	476.1	528.8	661.0	952.1	1469.2	2633.0	5637.5	8442.9	7689.0
60°	381.5	383.2	399.1	457.7	661.8	1082.7	2146.9	5361.4	9391.7	9110.5
62.5°	346.4	346.4	350.6	366.5	447.6	714.5	1558.7	4789.1	10409.1	10906.9
65°	322.1	322.1	323.8	331.3	353.1	455.2	983.9	3857.1	11266.7	13011.1
67.5°	300.4	301.2	300.4	302.9	315.4	336.3	570.6	2664.0	11728.5	15191.5
70°	277.8	279.4	275.3	275.3	285.3	286.1	357.3	1460.8	11345.3	17018.8
72.5°	251.0	253.5	246.8	245.1	252.7	249.3	268.6	701.1	9740.6	17564.3
75°	227.6	230.9	215.9	211.7	211.7	209.2	218.4	359.8	6321.9	14328.0
77.5°	206.7	213.4	189.1	175.7	172.4	164.8	178.2	220.0	2765.2	6726.9
80°	170.7	179.9	155.6	139.7	133.9	125.5	140.6	153.9	822.5	1562.1
82.5°	127.2	131.4	110.4	99.6	94.5	88.7	105.4	107.1	267.7	553.0
85°	81.2	82.8	67.8	58.6	56.1	53.5	66.9	58.6	102.1	406.6
87.5°	28.4	32.6	25.9	23.4	25.1	20.9	31.0	17.6	28.4	287.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2941.7
2943.4
2962.7
2982.7
2990.3
2997.0
3013.7
3050.5
3106.6
3166.8
3240.4
3328.3
3393.5
3466.3
3587.7
3751.6
3998.5
4150.7
4239.4
4502.1
4891.2
5472.7
6269.2
7289.9
8607.7
10233.4
12159.4
14272.0
16777.0
18200.2
15325.4
6587.1
1496.0
625.0
590.7
355.6
0.0

OF REPORT)