

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: P849944

Luminaire Tested: **GLAN-SB7B-722-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849944
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-SB7B-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30979 lumens
Efficiency: N/A
Efficacy: 120.7 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

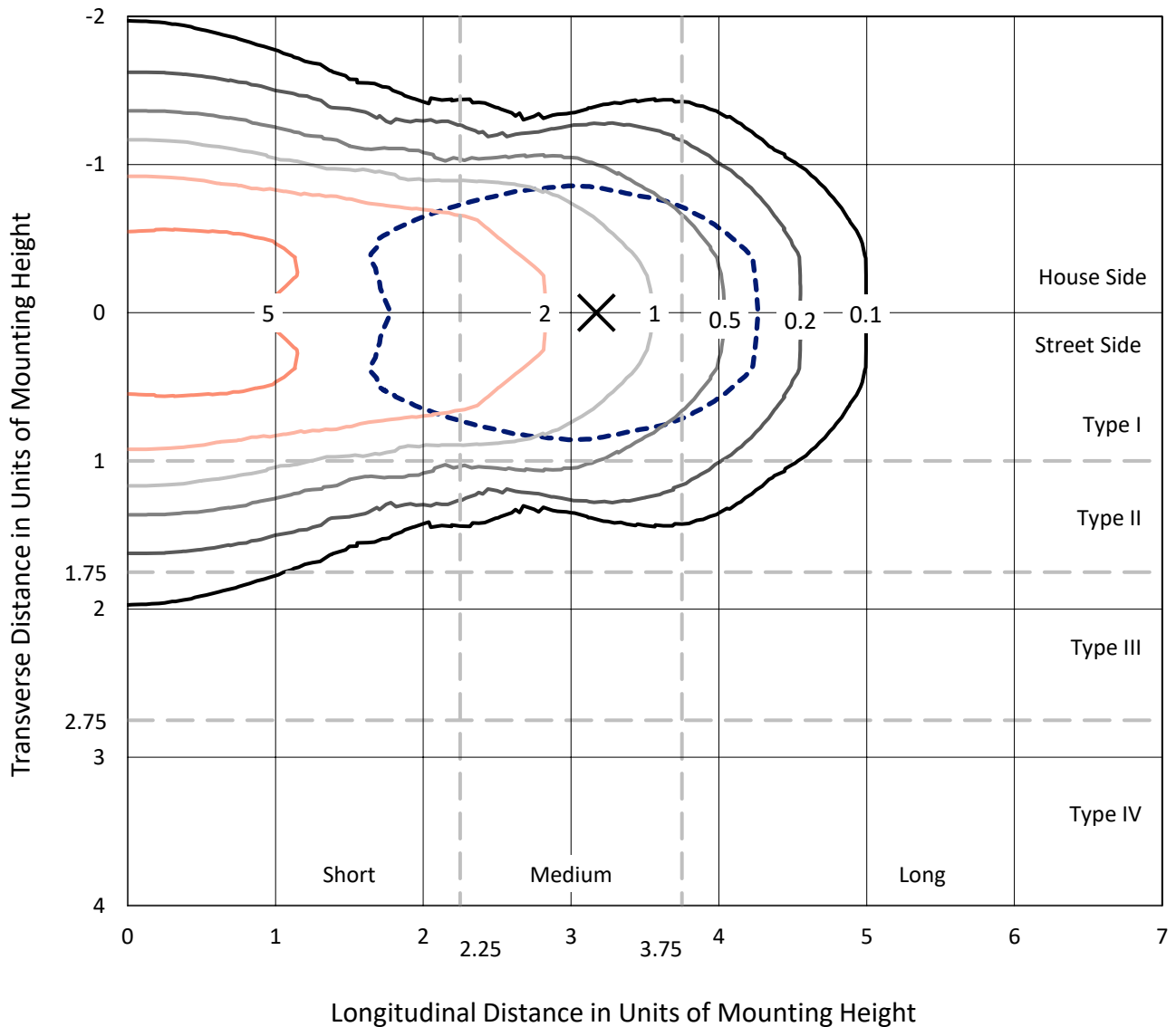
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

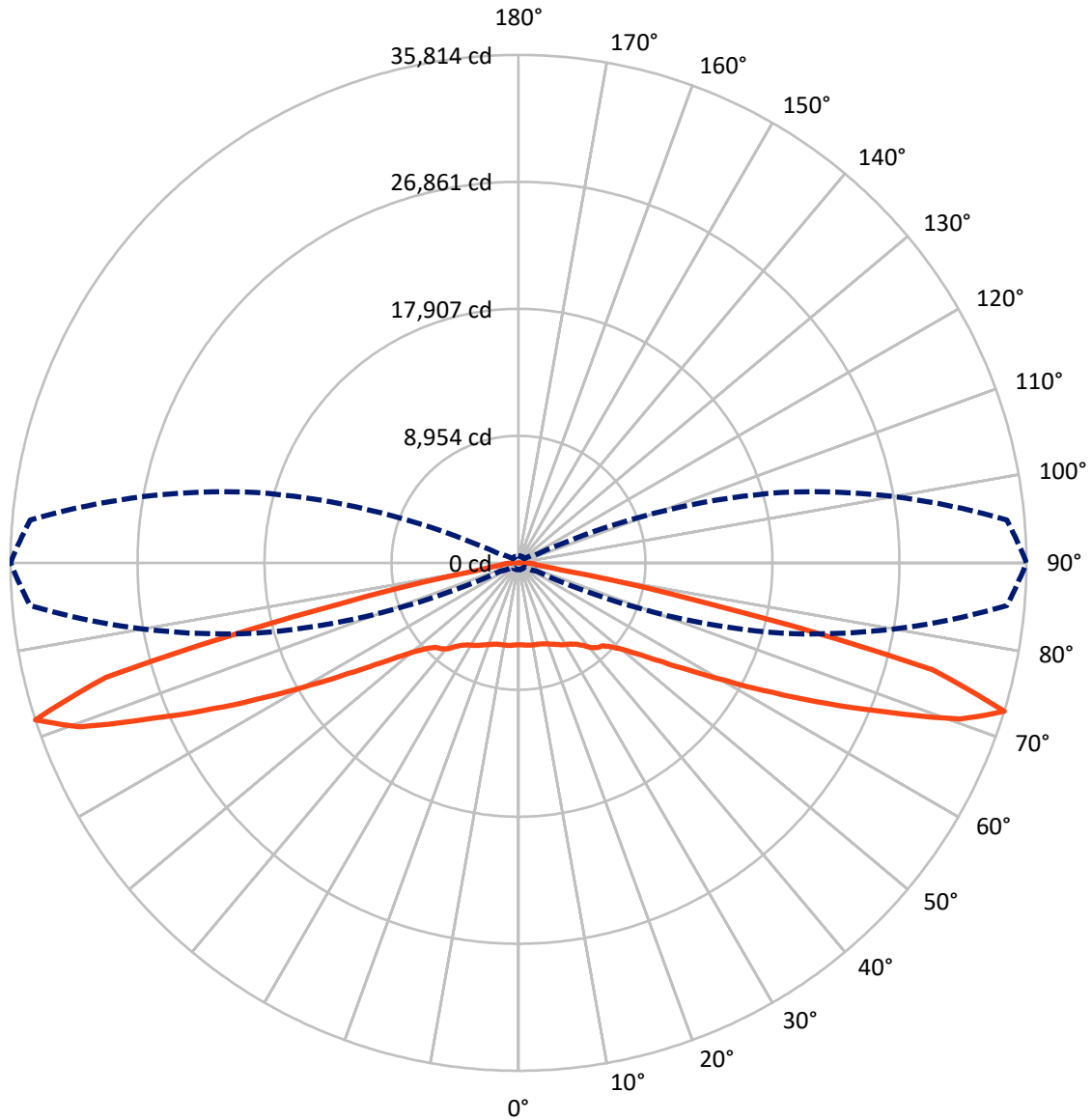
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 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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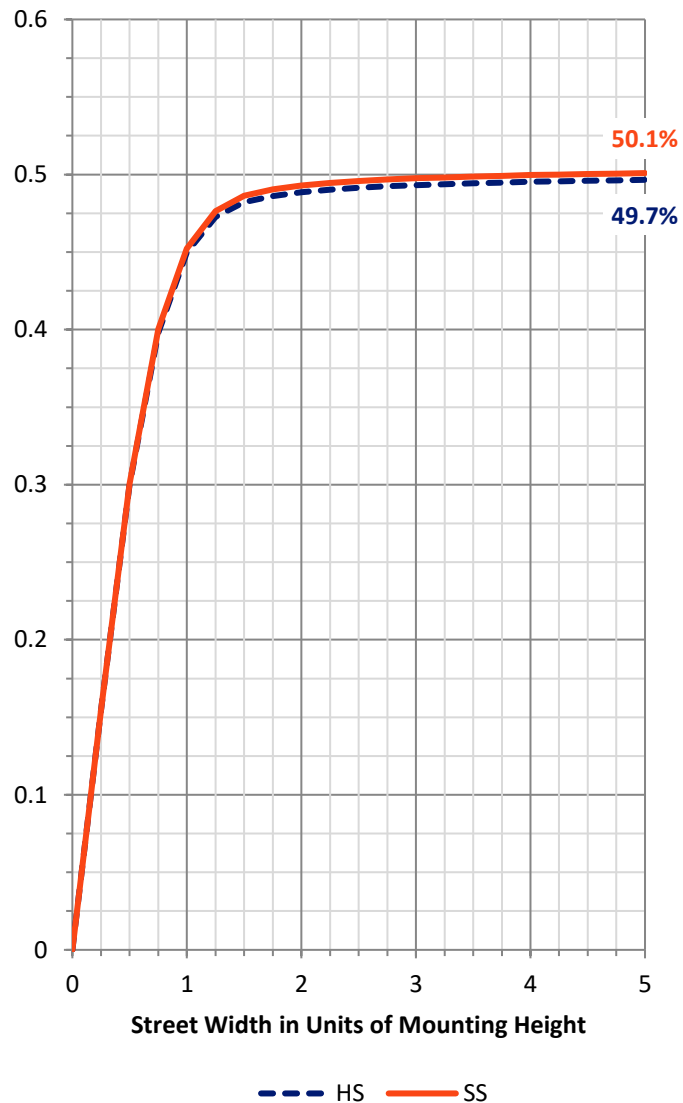
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15489.5	0.0	15489.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15489.5	0.0	15489.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30979.0	0.0	30979.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	561.3	1.8
10°-20°	1716.2	5.5
20°-30°	2861.6	9.2
30°-40°	3935.6	12.7
40°-50°	4806.4	15.5
50°-60°	5559.2	17.9
60°-70°	6628.4	21.4
70°-80°	4626.2	14.9
80°-90°	284.1	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°	30979.0	100.0
0°-180°	30979.0	100.0

Coefficient of Utilization

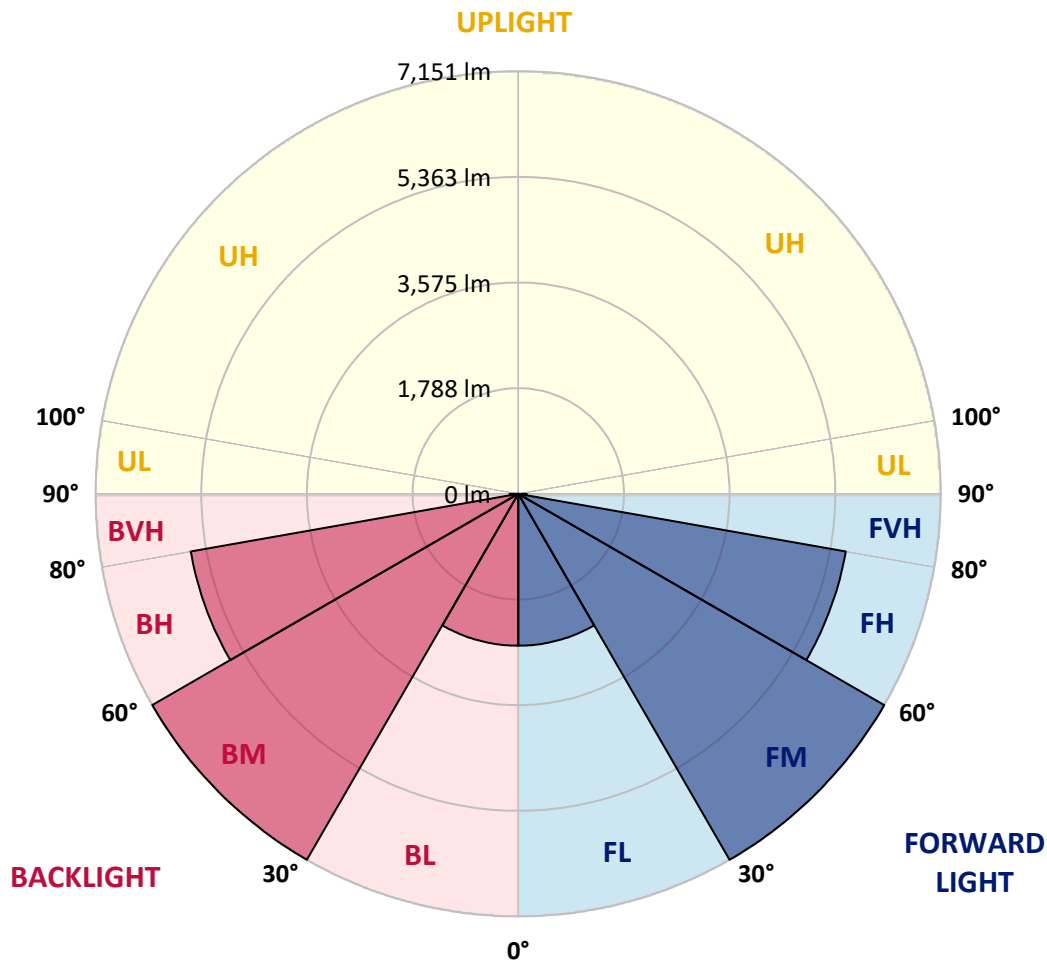


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2569.5	8.3			
FM (30°-60°)	7150.6	23.1			
FH (60°-80°)	5627.3	18.2			G3/7500
FVH (80°-90°)	142.1	0.5			G2/225
BL (0°-30°)	2569.5	8.3	B4/5000		
BM (30°-60°)	7150.6	23.1	B4/8500		
BH (60°-80°)	5627.3	18.2	B5		G5
BVH (80°-90°)	142.1	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°	5788.8	5788.8	5788.8	5788.8	5788.8	5788.8	5788.8	5788.8	5788.8	5788.8
2.5°	5793.7	5800.3	5800.3	5795.3	5806.9	5797.0	5797.0	5792.0	5797.0	5792.0
5°	5823.3	5831.6	5834.9	5833.2	5848.0	5839.8	5839.8	5833.2	5834.9	5829.9
7.5°	5879.3	5890.8	5897.4	5905.6	5927.1	5917.2	5910.6	5890.8	5882.6	5869.4
10°	5897.4	5910.6	5932.0	5974.8	6024.2	6025.8	6006.1	5956.7	5918.8	5889.2
12.5°	5841.4	5859.5	5904.0	5991.3	6101.6	6146.0	6114.7	6032.4	5958.3	5905.6
15°	5770.6	5790.4	5857.9	5989.6	6152.6	6256.3	6253.0	6144.4	6025.8	5943.5
17.5°	5660.3	5680.1	5777.2	5961.6	6192.1	6363.3	6409.4	6297.5	6131.2	6020.9
20°	5461.1	5479.2	5614.2	5872.7	6205.3	6476.9	6597.1	6498.4	6290.9	6141.1
22.5°	5202.6	5230.6	5388.7	5719.6	6174.0	6595.5	6811.2	6743.7	6476.9	6269.5
25°	4926.0	4955.7	5140.1	5531.9	6093.3	6681.1	7064.7	7021.9	6687.7	6429.2
27.5°	4687.3	4718.6	4919.5	5345.9	5968.2	6714.0	7315.0	7336.4	6942.9	6605.4
30°	4499.6	4529.3	4743.3	5196.0	5806.9	6681.1	7533.9	7682.1	7203.0	6758.5
32.5°	4293.8	4331.7	4557.2	5013.3	5615.9	6602.1	7724.9	8055.9	7504.3	6923.1
35°	4033.7	4068.3	4305.3	4763.0	5365.6	6475.3	7884.6	8470.7	7935.7	7173.4
37.5°	3717.6	3750.5	3985.9	4450.2	5117.0	6297.5	8006.5	8938.3	8449.3	7533.9
40°	3399.8	3431.1	3651.7	4101.2	4819.0	6070.3	8049.3	9396.0	9038.8	8029.5
42.5°	3108.4	3136.4	3338.9	3757.1	4484.8	5780.5	7993.3	9794.5	9567.2	8375.3
45°	2840.0	2864.7	3044.2	3434.4	4137.4	5428.2	7825.4	10222.5	10196.2	8622.2
47.5°	2533.8	2558.5	2744.6	3121.6	3790.0	5014.9	7540.5	10644.0	11070.4	9182.0
50°	2160.1	2181.5	2372.5	2761.0	3429.5	4575.4	7145.4	10974.9	12173.5	10029.9
52.5°	1717.2	1740.2	1926.3	2314.8	3001.4	4102.8	6625.1	11190.6	13447.8	11268.0
55°	1277.6	1294.1	1455.4	1804.5	2471.3	3564.5	5973.2	11251.5	14893.4	12960.5
57.5°	926.9	936.8	1040.5	1300.7	1873.6	2891.1	5181.2	11093.5	16613.9	15130.4
60°	750.8	754.1	785.3	900.6	1302.3	2130.4	4224.7	10550.2	18480.9	17927.7
62.5°	681.6	681.6	689.8	721.1	880.8	1406.0	3067.2	9424.0	20482.9	21462.5
65°	633.9	633.9	637.2	652.0	694.8	895.6	1936.2	7589.9	22170.5	25603.2
67.5°	591.1	592.7	591.1	596.0	620.7	661.9	1122.8	5242.1	23079.3	29893.7
70°	546.6	549.9	541.7	541.7	561.4	563.1	703.0	2874.6	22325.2	33489.5
72.5°	493.9	498.9	485.7	482.4	497.2	490.6	528.5	1379.7	19167.4	34562.9
75°	447.8	454.4	424.8	416.5	416.5	411.6	429.7	708.0	12440.2	28194.7
77.5°	406.7	419.8	372.1	345.7	339.2	324.3	350.7	433.0	5441.4	13237.1
80°	335.9	354.0	306.2	274.9	263.4	247.0	276.6	302.9	1618.4	3073.8
82.5°	250.3	258.5	217.3	195.9	186.0	174.5	207.4	210.7	526.8	1088.3
85°	159.7	163.0	133.4	115.2	110.3	105.4	131.7	115.2	200.9	800.2
87.5°	56.0	64.2	51.0	46.1	49.4	41.2	60.9	34.6	56.0	564.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5788.8
5792.0
5829.9
5869.4
5884.2
5897.4
5930.3
6002.8
6113.1
6231.6
6376.5
6549.4
6677.8
6821.0
7059.8
7382.5
7868.2
8167.8
8342.3
8859.3
9624.9
10769.1
12336.5
14345.1
16938.2
20137.2
23927.2
28084.3
33013.7
35814.2
30157.2
12962.1
2943.8
1229.9
1162.4
699.7
0.0

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