

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: P850284

Luminaire Tested: **GLAN-SB7D-722-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850284
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-SB7D-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 55983 lumens
Efficiency: N/A
Efficacy: 109.2 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

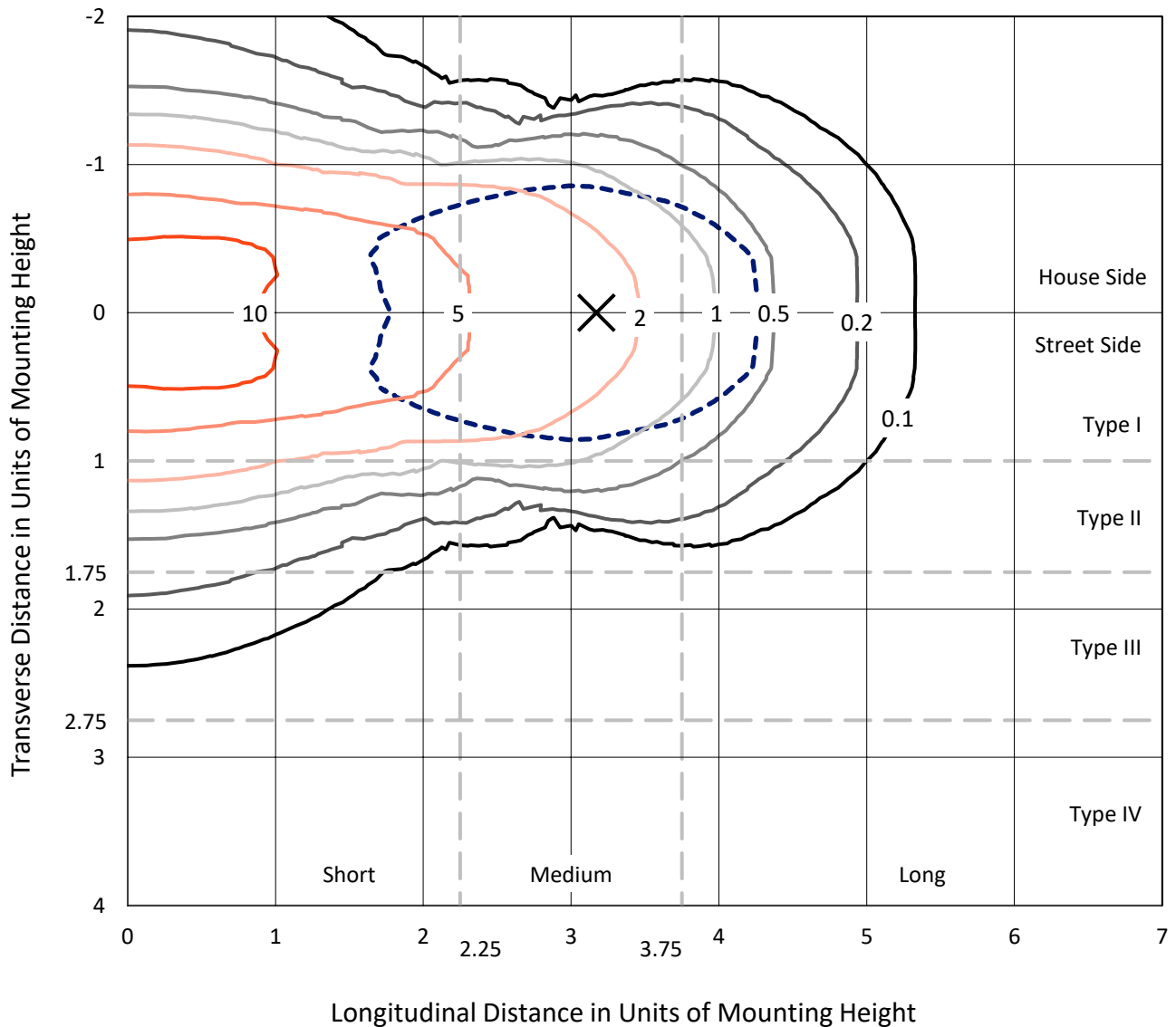
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

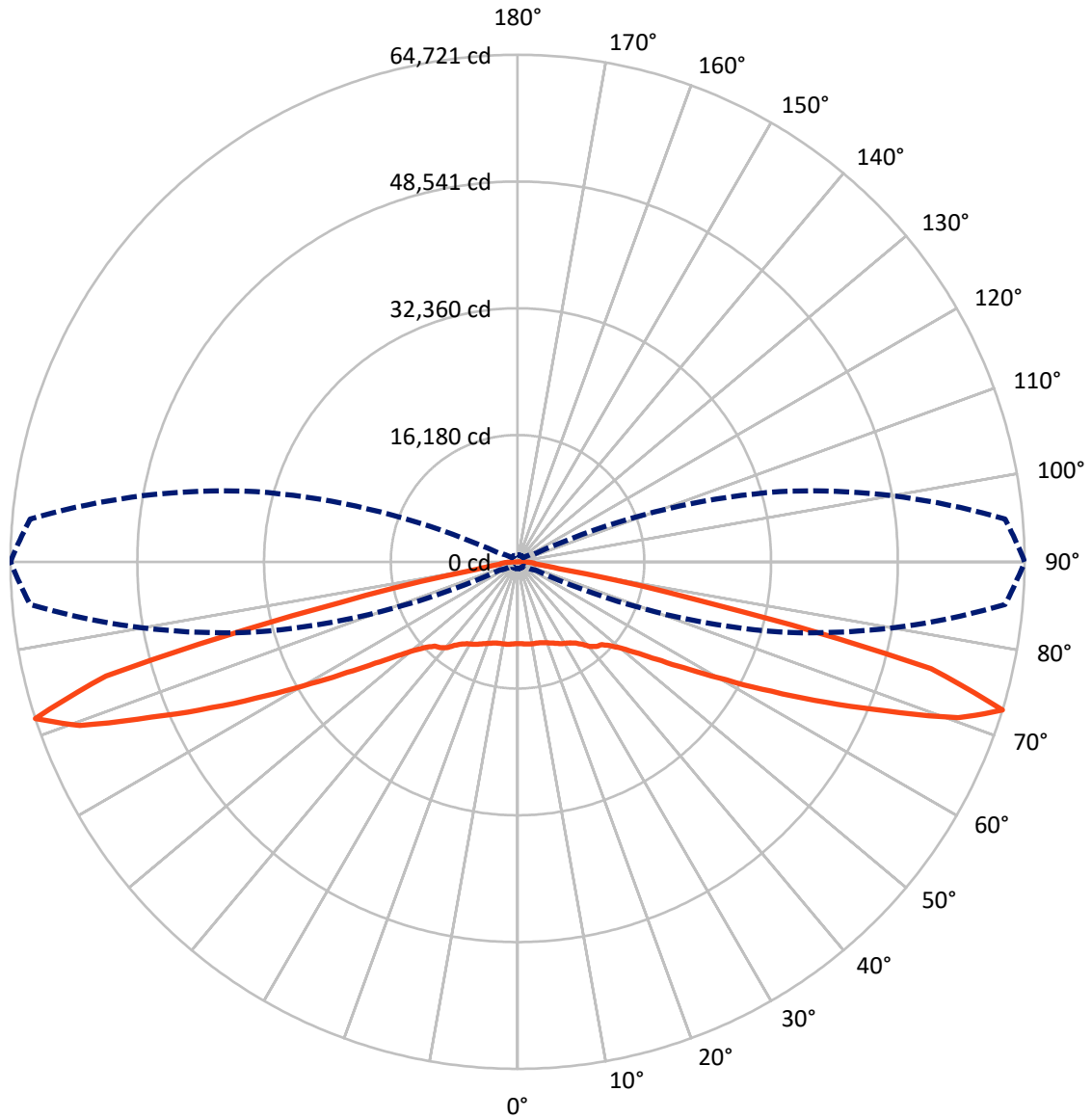
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.7 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	27991.5	0.0	27991.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27991.5	0.0	27991.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	55983.0	0.0	55983.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1014.3	1.8
10°-20°	3101.4	5.5
20°-30°	5171.3	9.2
30°-40°	7112.1	12.7
40°-50°	8685.8	15.5
50°-60°	10046.1	17.9
60°-70°	11978.3	21.4
70°-80°	8360.1	14.9
80°-90°	513.5	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°	55983.0	100.0
0°-180°	55983.0	100.0

Coefficient of Utilization



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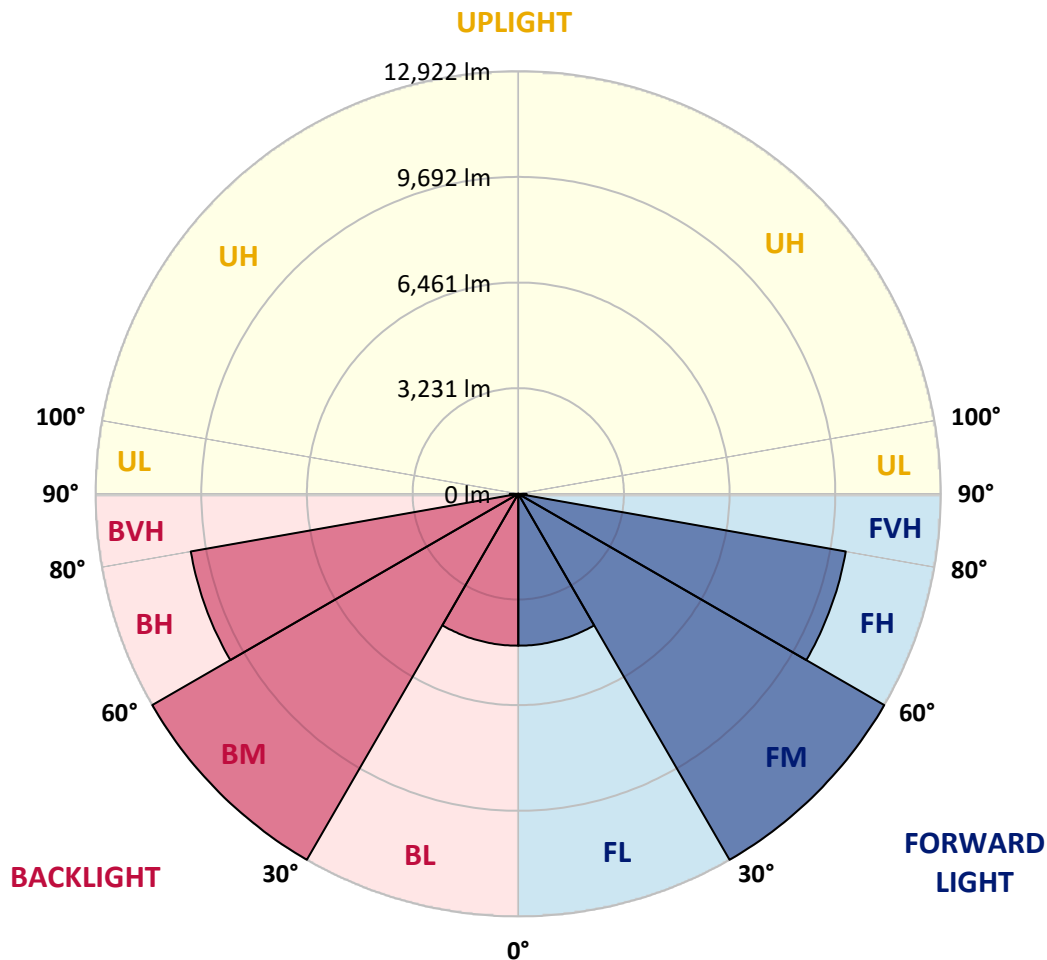
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4643.5	8.3			
FM (30°-60°)	12922.0	23.1			
FH (60°-80°)	10169.2	18.2			G4/12000
FVH (80°-90°)	256.7	0.5			G3/500
BL (0°-30°)	4643.5	8.3	B4/5000		
BM (30°-60°)	12922.0	23.1	B5		
BH (60°-80°)	10169.2	18.2	B5		G5
BVH (80°-90°)	256.7	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°	10461.0	10461.0	10461.0	10461.0	10461.0	10461.0	10461.0	10461.0	10461.0	10461.0
2.5°	10469.9	10481.8	10481.8	10472.9	10493.7	10475.9	10475.9	10467.0	10475.9	10467.0
5°	10523.5	10538.4	10544.3	10541.3	10568.1	10553.2	10553.2	10541.3	10544.3	10535.4
7.5°	10624.7	10645.5	10657.4	10672.3	10710.9	10693.1	10681.2	10645.5	10630.6	10606.8
10°	10657.4	10681.2	10719.9	10797.2	10886.5	10889.5	10853.7	10764.5	10696.1	10642.5
12.5°	10556.2	10589.0	10669.3	10827.0	11026.3	11106.6	11050.1	10901.4	10767.5	10672.3
15°	10428.3	10464.0	10586.0	10824.0	11118.5	11306.0	11300.0	11103.7	10889.5	10740.7
17.5°	10228.9	10264.6	10440.2	10773.4	11190.0	11499.4	11582.7	11380.4	11079.9	10880.5
20°	9868.9	9901.7	10145.6	10612.8	11213.8	11704.7	11921.9	11743.4	11368.5	11097.7
22.5°	9401.8	9452.4	9738.0	10336.1	11157.2	11918.9	12308.7	12186.7	11704.7	11329.8
25°	8902.0	8955.5	9288.8	9996.9	11011.4	12073.6	12766.8	12689.5	12085.5	11618.4
27.5°	8470.6	8527.1	8890.1	9660.7	10785.3	12133.1	13219.1	13257.8	12546.7	11936.7
30°	8131.4	8184.9	8571.7	9389.9	10493.7	12073.6	13614.8	13882.6	13016.8	12213.4
32.5°	7759.5	7827.9	8235.5	9059.7	10148.6	11930.8	13959.9	14557.9	13561.2	12511.0
35°	7289.4	7351.9	7780.3	8607.4	9696.4	11701.7	14248.5	15307.7	14340.8	12963.2
37.5°	6718.1	6777.6	7203.1	8042.1	9247.1	11380.4	14468.7	16152.7	15269.0	13614.8
40°	6143.9	6200.4	6599.1	7411.4	8708.6	10969.8	14546.0	16979.8	16334.2	14510.3
42.5°	5617.3	5667.9	6033.8	6789.5	8104.6	10446.1	14444.9	17699.8	17289.2	15135.1
45°	5132.3	5177.0	5501.3	6206.4	7476.8	9809.4	14141.4	18473.4	18425.8	15581.4
47.5°	4578.9	4623.6	4959.8	5641.1	6849.0	9062.6	13626.7	19235.1	20005.6	16593.0
50°	3903.5	3942.2	4287.3	4989.5	6197.5	8268.2	12912.6	19833.1	21999.1	18125.3
52.5°	3103.2	3144.8	3481.1	4183.2	5423.9	7414.3	11972.4	20222.8	24301.9	20362.7
55°	2308.8	2338.6	2630.1	3260.9	4465.9	6441.4	10794.2	20332.9	26914.2	23421.2
57.5°	1675.1	1692.9	1880.4	2350.5	3385.8	5224.6	9363.1	20047.3	30023.3	27342.6
60°	1356.7	1362.7	1419.2	1627.5	2353.4	3850.0	7634.5	19065.5	33397.3	32397.6
62.5°	1231.8	1231.8	1246.6	1303.2	1591.8	2540.9	5542.9	17030.4	37015.2	38785.5
65°	1145.5	1145.5	1151.4	1178.2	1255.6	1618.5	3498.9	13715.9	40064.9	46268.3
67.5°	1068.1	1071.1	1068.1	1077.0	1121.7	1196.1	2029.1	9473.2	41707.2	54021.8
70°	987.8	993.7	978.9	978.9	1014.6	1017.5	1270.4	5194.8	40344.5	60519.8
72.5°	892.6	901.5	877.7	871.8	898.5	886.6	955.1	2493.3	34638.0	62459.6
75°	809.3	821.2	767.6	752.7	752.7	743.8	776.5	1279.4	22481.1	50951.3
77.5°	734.9	758.7	672.4	624.8	612.9	586.1	633.7	782.5	9833.2	23921.1
80°	607.0	639.7	553.4	496.9	476.0	446.3	499.8	547.4	2924.7	5554.8
82.5°	452.2	467.1	392.7	354.1	336.2	315.4	374.9	380.8	952.1	1966.6
85°	288.6	294.6	241.0	208.3	199.3	190.4	238.0	208.3	363.0	1446.0
87.5°	101.2	116.0	92.2	83.3	89.3	74.4	110.1	62.5	101.2	1020.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

10461.0
10467.0
10535.4
10606.8
10633.6
10657.4
10716.9
10847.8
11047.1
11261.4
11523.2
11835.6
12067.7
12326.5
12757.9
13341.1
14218.8
14760.3
15075.6
16009.9
17393.4
19461.2
22293.6
25923.4
30609.5
36390.4
43239.5
50752.0
59659.9
64720.8
54497.8
23424.2
5319.8
2222.5
2100.5
1264.5
0.0

OF REPORT)