

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: P850624

Luminaire Tested: **GLAN-SB8B-722-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850624
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-SB8B-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 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: 35224 lumens
Efficiency: N/A
Efficacy: 120.3 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

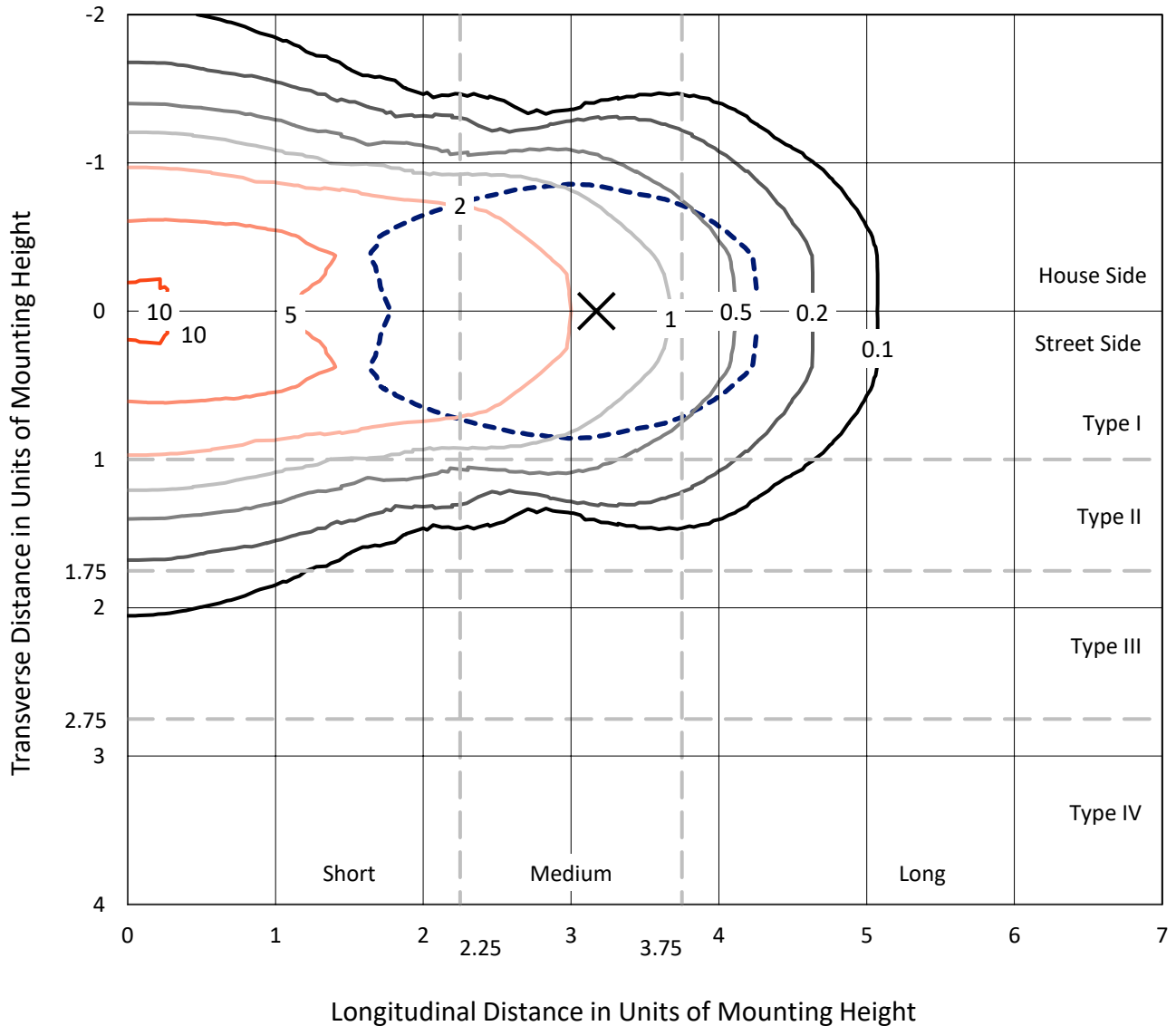
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

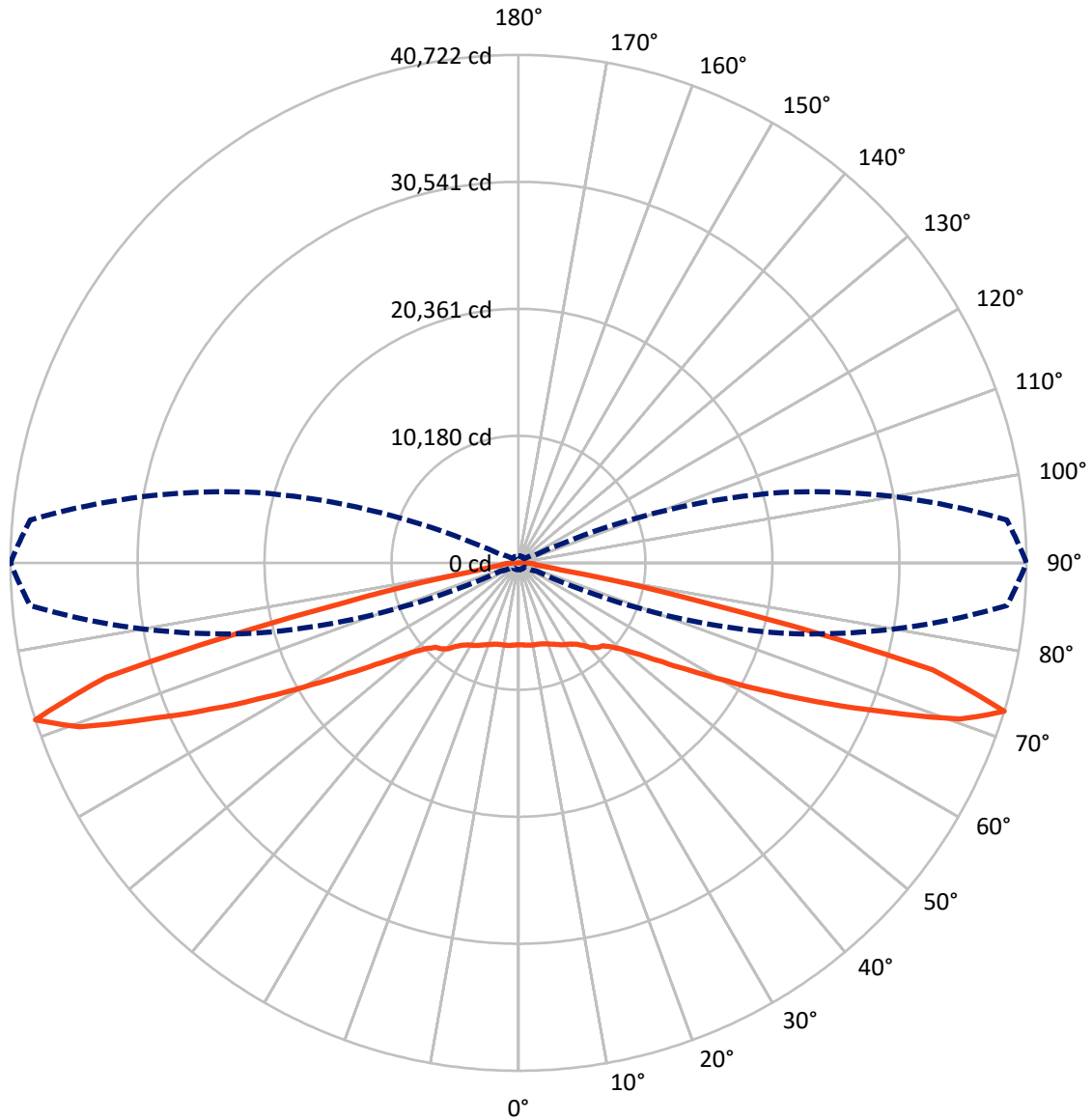
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 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	17612.0	0.0	17612.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17612.0	0.0	17612.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	35224.0	0.0	35224.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	638.2	1.8
10°-20°	1951.4	5.5
20°-30°	3253.7	9.2
30°-40°	4474.9	12.7
40°-50°	5465.1	15.5
50°-60°	6320.9	17.9
60°-70°	7536.7	21.4
70°-80°	5260.1	14.9
80°-90°	323.1	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°	35224.0	100.0
0°-180°	35224.0	100.0

Coefficient of Utilization

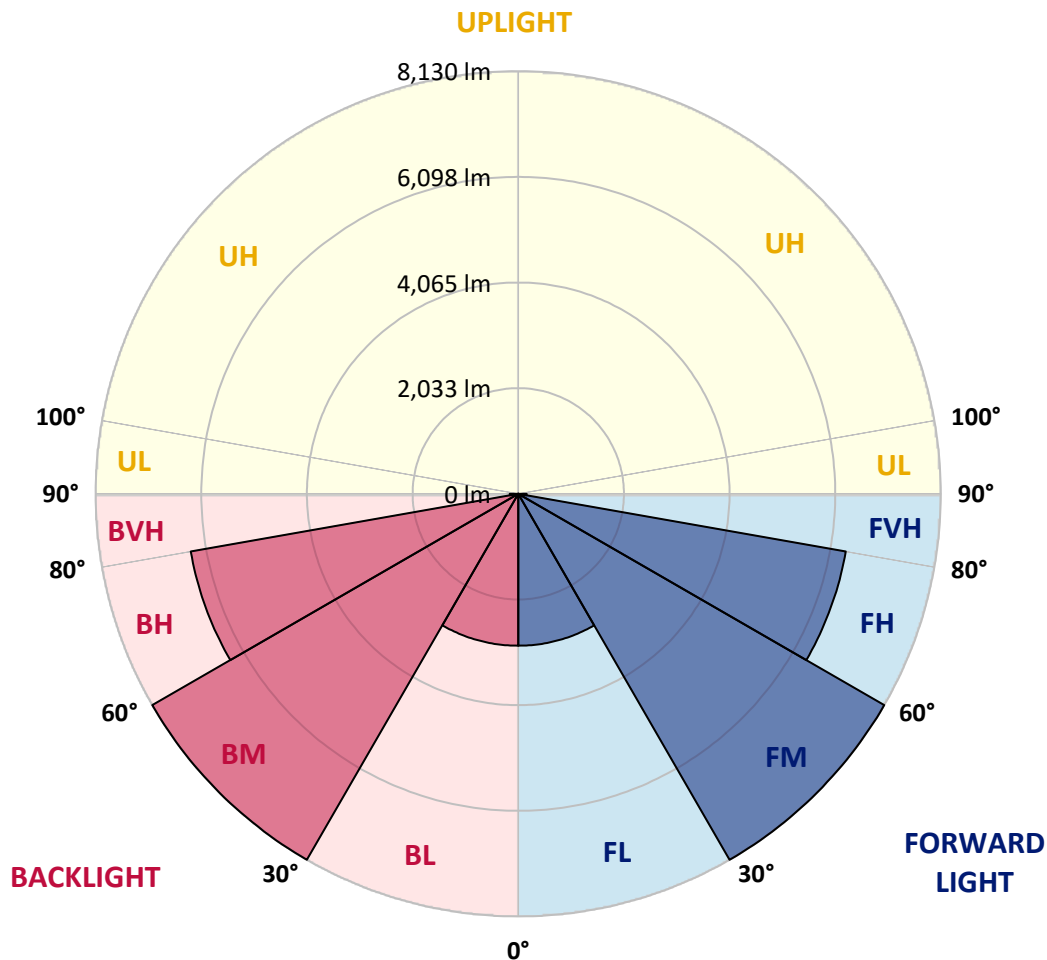


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2921.6	8.3			
FM (30°-60°)	8130.4	23.1			
FH (60°-80°)	6398.4	18.2			G3/7500
FVH (80°-90°)	161.5	0.5			G2/225
BL (0°-30°)	2921.6	8.3	B4/5000		
BM (30°-60°)	8130.4	23.1	B4/8500		
BH (60°-80°)	6398.4	18.2	B5		G5
BVH (80°-90°)	161.5	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°	6582.0	6582.0	6582.0	6582.0	6582.0	6582.0	6582.0	6582.0	6582.0	6582.0
2.5°	6587.6	6595.1	6595.1	6589.5	6602.6	6591.3	6591.3	6585.7	6591.3	6585.7
5°	6621.3	6630.6	6634.4	6632.5	6649.4	6640.0	6640.0	6632.5	6634.4	6628.8
7.5°	6684.9	6698.0	6705.5	6714.9	6739.2	6728.0	6720.5	6698.0	6688.7	6673.7
10°	6705.5	6720.5	6744.8	6793.5	6849.7	6851.5	6829.1	6772.9	6729.9	6696.2
12.5°	6641.9	6662.5	6713.0	6812.2	6937.7	6988.2	6952.6	6859.0	6774.8	6714.9
15°	6561.4	6583.8	6660.6	6810.4	6995.7	7113.6	7109.9	6986.3	6851.5	6757.9
17.5°	6436.0	6458.4	6568.9	6778.5	7040.6	7235.3	7287.7	7160.4	6971.4	6845.9
20°	6209.4	6230.0	6383.5	6677.4	7055.6	7364.5	7501.1	7388.8	7152.9	6982.6
22.5°	5915.5	5947.4	6127.1	6503.4	7020.0	7499.3	7744.5	7667.7	7364.5	7128.6
25°	5601.0	5634.7	5844.4	6289.9	6928.3	7596.6	8032.8	7984.1	7604.1	7310.2
27.5°	5329.6	5365.2	5593.6	6078.4	6786.0	7634.0	8317.3	8341.7	7894.3	7510.5
30°	5116.2	5149.9	5393.3	5908.1	6602.6	7596.6	8566.3	8734.8	8190.0	7684.6
32.5°	4882.2	4925.3	5181.7	5700.3	6385.4	7506.7	8783.5	9159.7	8532.6	7871.8
35°	4586.4	4625.7	4895.3	5415.7	6100.9	7362.6	8965.0	9631.5	9023.1	8156.3
37.5°	4227.0	4264.4	4532.1	5060.0	5818.2	7160.4	9103.6	10163.1	9607.1	8566.3
40°	3865.7	3901.3	4152.1	4663.2	5479.4	6902.1	9152.2	10683.5	10277.3	9129.8
42.5°	3534.3	3566.2	3796.4	4271.9	5099.3	6572.6	9088.6	11136.6	10878.2	9522.9
45°	3229.2	3257.3	3461.3	3905.0	4704.4	6172.0	8897.6	11623.3	11593.3	9803.7
47.5°	2881.0	2909.1	3120.6	3549.3	4309.4	5702.1	8573.8	12102.5	12587.4	10440.2
50°	2456.1	2480.4	2697.6	3139.4	3899.4	5202.3	8124.5	12478.8	13841.6	11404.3
52.5°	1952.5	1978.7	2190.2	2632.0	3412.7	4665.0	7533.0	12724.0	15290.6	12812.0
55°	1452.7	1471.4	1654.9	2051.7	2809.9	4052.9	6791.6	12793.3	16934.2	14736.4
57.5°	1053.9	1065.2	1183.1	1478.9	2130.3	3287.2	5891.2	12613.6	18890.4	17203.7
60°	853.6	857.4	892.9	1024.0	1480.8	2422.4	4803.6	11995.8	21013.3	20384.3
62.5°	775.0	775.0	784.4	819.9	1001.5	1598.7	3487.5	10715.4	23289.6	24403.5
65°	720.7	720.7	724.5	741.3	790.0	1018.4	2201.5	8630.0	25208.4	29111.6
67.5°	672.1	673.9	672.1	677.7	705.7	752.5	1276.7	5960.5	26241.8	33990.0
70°	621.5	625.3	615.9	615.9	638.4	640.2	799.3	3268.5	25384.4	38078.5
72.5°	561.6	567.2	552.2	548.5	565.3	557.9	600.9	1568.7	21793.9	39299.0
75°	509.2	516.7	483.0	473.6	473.6	468.0	488.6	805.0	14144.9	32058.1
77.5°	462.4	477.4	423.1	393.1	385.6	368.8	398.7	492.3	6187.0	15050.9
80°	381.9	402.5	348.2	312.6	299.5	280.8	314.5	344.4	1840.2	3495.0
82.5°	284.5	293.9	247.1	222.8	211.5	198.4	235.9	239.6	599.0	1237.4
85°	181.6	185.3	151.6	131.0	125.4	119.8	149.8	131.0	228.4	909.8
87.5°	63.6	73.0	58.0	52.4	56.2	46.8	69.3	39.3	63.6	642.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6582.0
6585.7
6628.8
6673.7
6690.6
6705.5
6743.0
6825.3
6950.8
7085.5
7250.3
7446.8
7592.9
7755.7
8027.2
8394.1
8946.3
9287.0
9485.5
10073.3
10943.8
12244.8
14026.9
16310.8
19259.2
22896.5
27205.9
31932.7
37537.5
40721.8
34289.6
14738.3
3347.1
1398.4
1321.6
795.6
0.0

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