

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: P850454

Luminaire Tested: **GLAN-SB8A-722-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850454
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-SB8A-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28060 lumens
Efficiency: N/A
Efficacy: 123.6 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

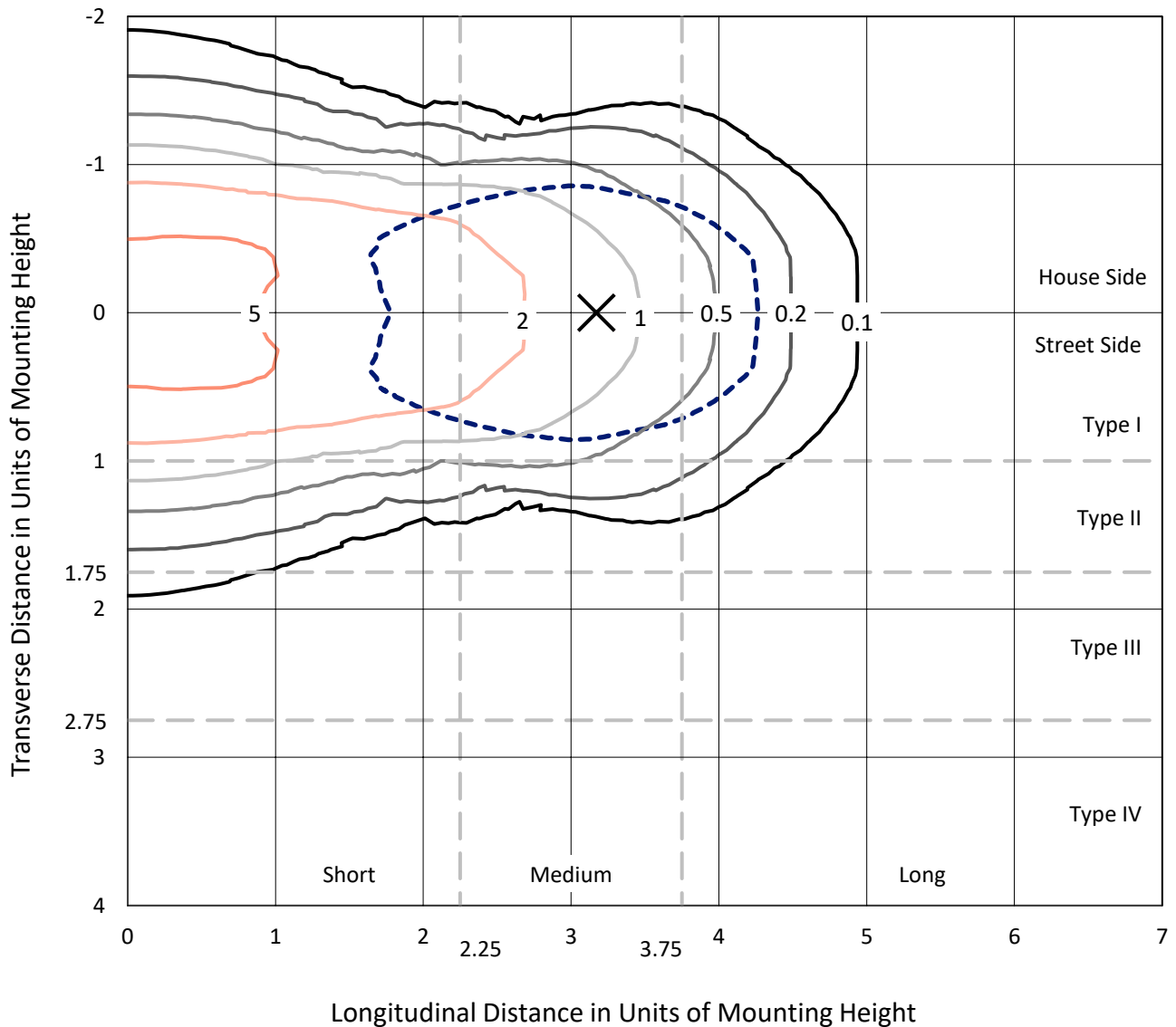
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850454
 CATALOG NUMBER: GLAN-SB8A-722-U-T1

Iso-Footcandle Lines of Horizontal Illumination

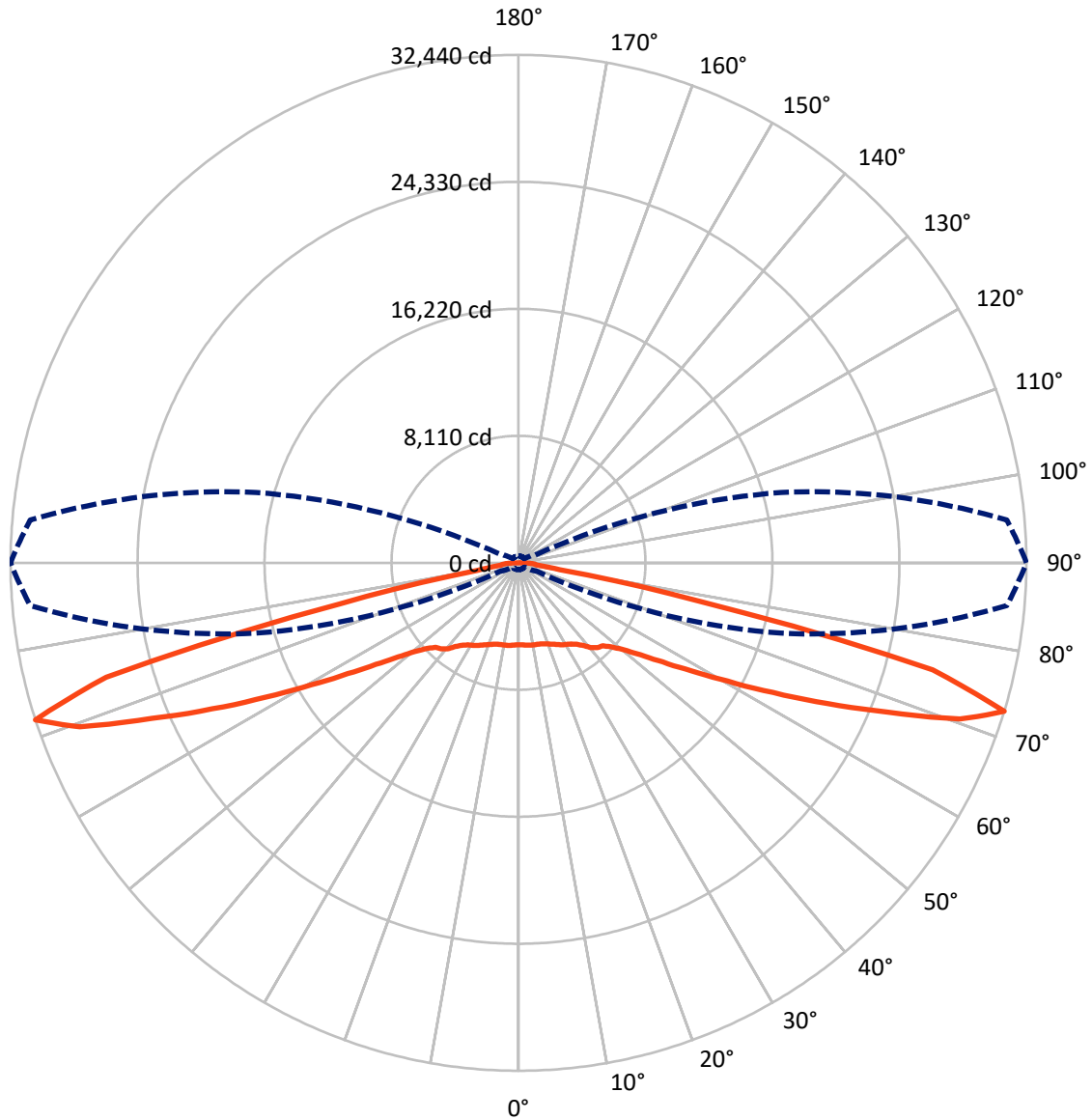
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type I - Short - N/A

REPORT NUMBER: P850454
CATALOG NUMBER: GLAN-SB8A-722-U-T1

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P850454
 CATALOG NUMBER: GLAN-SB8A-722-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14030.0	0.0	14030.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14030.0	0.0	14030.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	28060.0	0.0	28060.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	508.4	1.8
10°-20°	1554.5	5.5
20°-30°	2592.0	9.2
30°-40°	3564.8	12.7
40°-50°	4353.6	15.5
50°-60°	5035.3	17.9
60°-70°	6003.8	21.4
70°-80°	4190.3	14.9
80°-90°	257.4	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°	28060.0	100.0
0°-180°	28060.0	100.0

Coefficient of Utilization

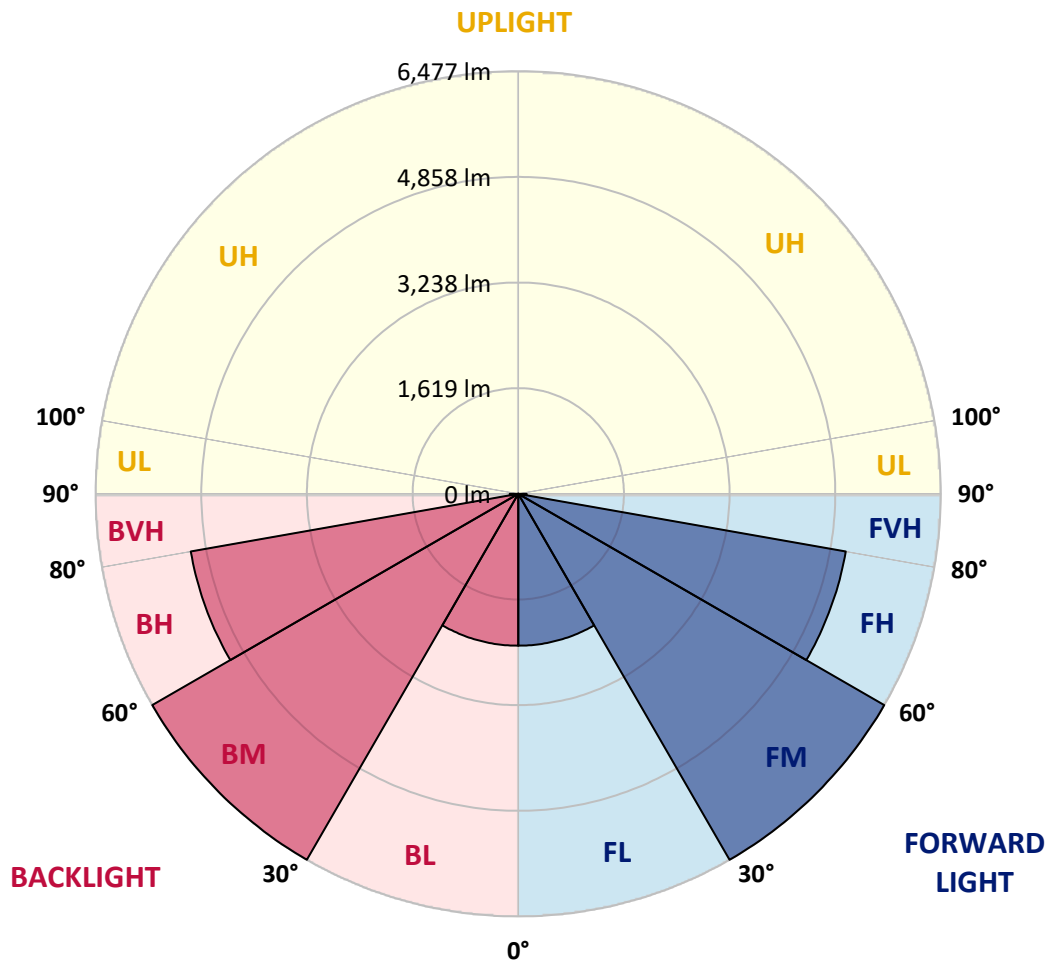


REPORT NUMBER: P850454
 CATALOG NUMBER: GLAN-SB8A-722-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2327.4	8.3			
FM (30°-60°)	6476.8	23.1			
FH (60°-80°)	5097.0	18.2			G3/7500
FVH (80°-90°)	128.7	0.5			G2/225
BL (0°-30°)	2327.4	8.3	B3/2500		
BM (30°-60°)	6476.8	23.1	B4/8500		
BH (60°-80°)	5097.0	18.2	B5		G5
BVH (80°-90°)	128.7	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



REPORT NUMBER: P850454
 CATALOG NUMBER: GLAN-SB8A-722-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5243.3	5243.3	5243.3	5243.3	5243.3	5243.3	5243.3	5243.3	5243.3	5243.3
2.5°	5247.8	5253.7	5253.7	5249.3	5259.7	5250.8	5250.8	5246.3	5250.8	5246.3
5°	5274.6	5282.1	5285.1	5283.6	5297.0	5289.5	5289.5	5283.6	5285.1	5280.6
7.5°	5325.3	5335.8	5341.7	5349.2	5368.6	5359.6	5353.7	5335.8	5328.3	5316.4
10°	5341.7	5353.7	5373.0	5411.8	5456.6	5458.1	5440.2	5395.4	5361.1	5334.3
12.5°	5291.0	5307.4	5347.7	5426.7	5526.6	5566.9	5538.6	5464.0	5396.9	5349.2
15°	5226.9	5244.8	5305.9	5425.2	5572.9	5666.8	5663.8	5565.4	5458.1	5383.5
17.5°	5127.0	5144.9	5232.9	5399.9	5608.7	5763.8	5805.5	5704.1	5553.5	5453.6
20°	4946.5	4962.9	5085.2	5319.4	5620.6	5866.7	5975.5	5886.0	5698.1	5562.4
22.5°	4712.4	4737.8	4880.9	5180.7	5592.3	5974.0	6169.4	6108.2	5866.7	5678.8
25°	4461.9	4488.7	4655.7	5010.7	5519.2	6051.6	6399.0	6360.3	6057.5	5823.4
27.5°	4245.6	4274.0	4455.9	4842.2	5405.9	6081.4	6625.7	6645.1	6288.7	5983.0
30°	4075.6	4102.5	4296.4	4706.4	5259.7	6051.6	6824.1	6958.3	6524.3	6121.7
32.5°	3889.2	3923.5	4127.8	4540.9	5086.7	5980.0	6997.0	7296.8	6797.2	6270.8
35°	3653.6	3684.9	3899.7	4314.2	4860.1	5865.2	7141.7	7672.6	7187.9	6497.5
37.5°	3367.3	3397.1	3610.4	4030.9	4634.9	5704.1	7252.0	8096.1	7653.2	6824.1
40°	3079.5	3107.8	3307.6	3714.8	4364.9	5498.3	7290.8	8510.7	8187.1	7272.9
42.5°	2815.5	2840.9	3024.3	3403.1	4062.2	5235.9	7240.1	8871.6	8665.8	7586.1
45°	2572.4	2594.8	2757.4	3110.8	3747.6	4916.7	7088.0	9259.3	9235.4	7809.8
47.5°	2295.1	2317.4	2485.9	2827.4	3432.9	4542.4	6830.0	9641.1	10027.3	8316.8
50°	1956.5	1975.9	2148.9	2500.9	3106.3	4144.2	6472.1	9940.8	11026.5	9084.8
52.5°	1555.4	1576.3	1744.8	2096.7	2718.6	3716.2	6000.9	10136.2	12180.7	10206.3
55°	1157.2	1172.1	1318.3	1634.4	2238.4	3228.6	5410.3	10191.3	13490.0	11739.3
57.5°	839.6	848.5	942.5	1178.1	1697.1	2618.7	4693.0	10048.2	15048.4	13704.8
60°	680.0	683.0	711.3	815.7	1179.6	1929.7	3826.6	9556.1	16739.5	16238.4
62.5°	617.4	617.4	624.8	653.2	797.8	1273.5	2778.2	8536.0	18552.9	19440.2
65°	574.1	574.1	577.1	590.5	629.3	811.3	1753.7	6874.8	20081.4	23190.7
67.5°	535.4	536.9	535.4	539.8	562.2	599.5	1017.0	4748.2	20904.6	27077.0
70°	495.1	498.1	490.6	490.6	508.5	510.0	636.8	2603.8	20221.6	30333.9
72.5°	447.4	451.9	439.9	436.9	450.4	444.4	478.7	1249.7	17361.4	31306.2
75°	405.6	411.6	384.7	377.3	377.3	372.8	389.2	641.2	11268.0	25538.0
77.5°	368.3	380.3	337.0	313.2	307.2	293.8	317.6	392.2	4928.6	11989.8
80°	304.2	320.6	277.4	249.0	238.6	223.7	250.5	274.4	1465.9	2784.2
82.5°	226.7	234.1	196.8	177.5	168.5	158.1	187.9	190.9	477.2	985.7
85°	144.7	147.6	120.8	104.4	99.9	95.4	119.3	104.4	181.9	724.8
87.5°	50.7	58.2	46.2	41.8	44.7	37.3	55.2	31.3	50.7	511.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5243.3
5246.3
5280.6
5316.4
5329.8
5341.7
5371.6
5437.2
5537.1
5644.5
5775.7
5932.3
6048.6
6178.3
6394.6
6686.9
7126.8
7398.2
7556.3
8024.5
8718.0
9754.4
11174.1
12993.4
15342.2
18239.7
21672.6
25438.1
29903.0
32439.6
27315.6
11740.8
2666.4
1114.0
1052.8
633.8
0.0

OF REPORT)