

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: P849941

Luminaire Tested: **GLAN-SB7B-722-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849941
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7B-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31676 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

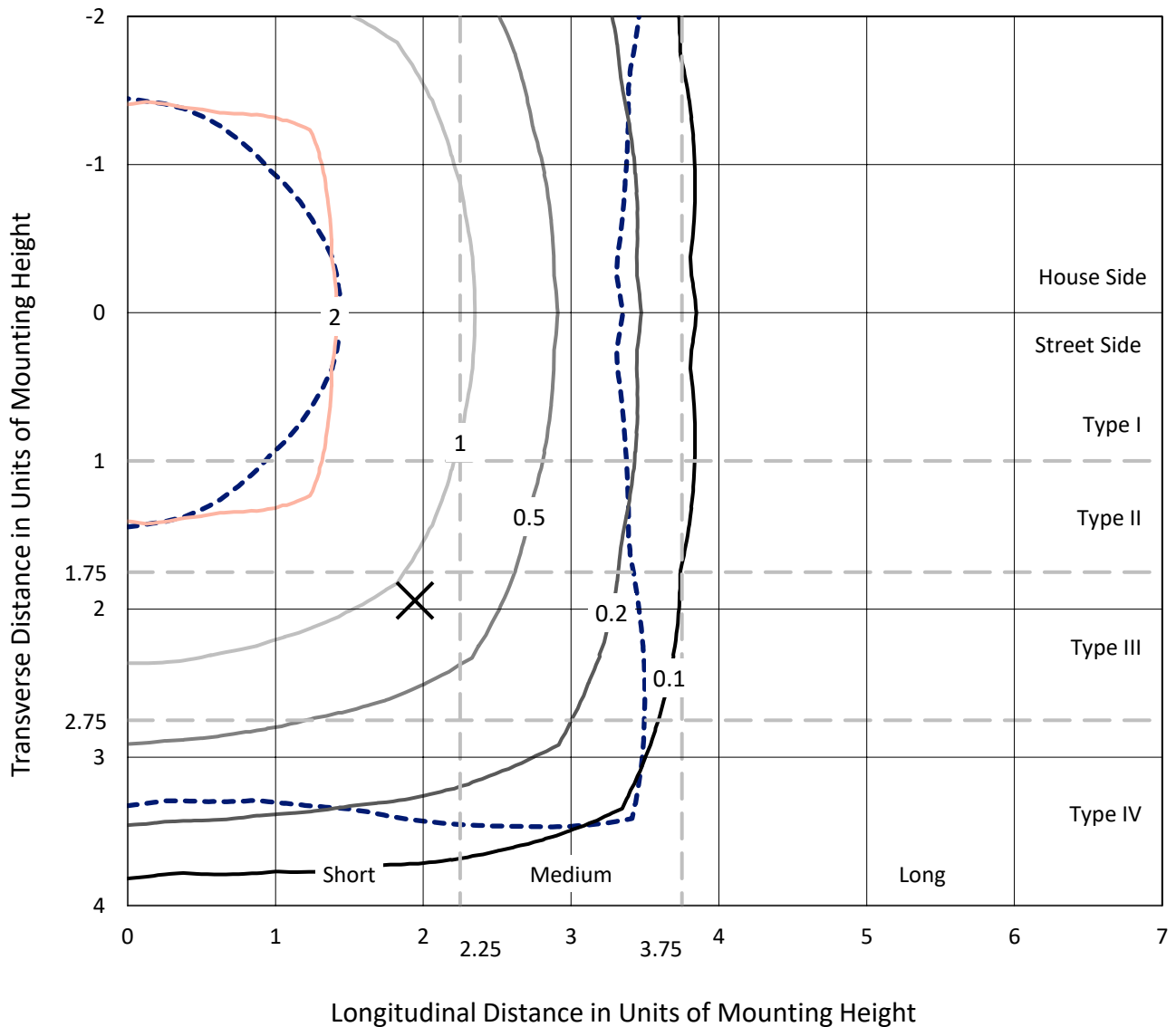
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P849941
 CATALOG NUMBER: GLAN-SB7B-722-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

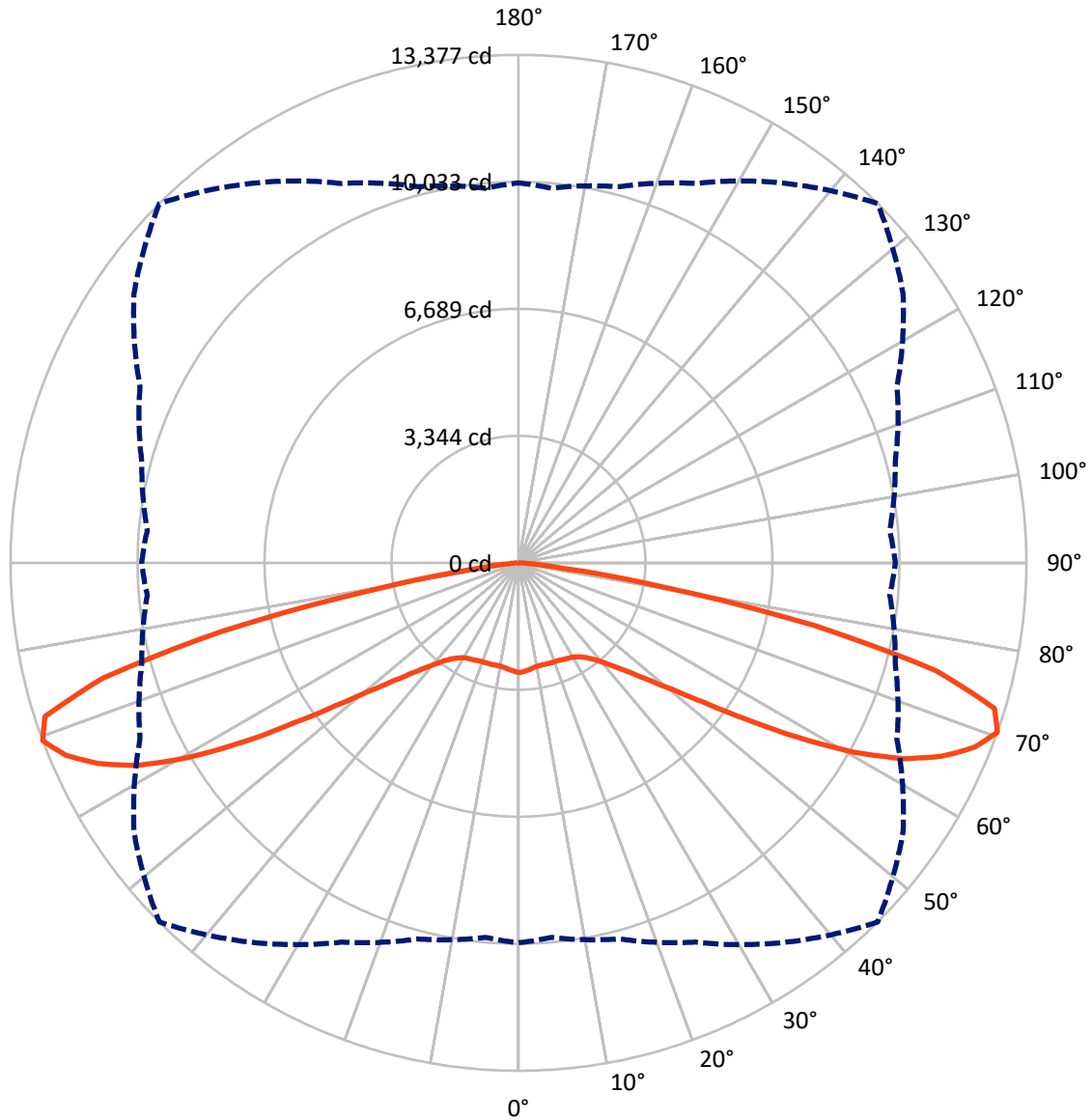
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - N/A

REPORT NUMBER: P849941
CATALOG NUMBER: GLAN-SB7B-722-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P849941
 CATALOG NUMBER: GLAN-SB7B-722-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15838.0	0.0	15838.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15838.0	0.0	15838.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	31676.0	0.0	31676.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.8	0.8
10°-20°	789.2	2.5
20°-30°	1313.4	4.1
30°-40°	1986.3	6.3
40°-50°	3300.7	10.4
50°-60°	6228.3	19.7
60°-70°	10516.7	33.2
70°-80°	6910.6	21.8
80°-90°	362.1	1.1
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°	31676.0	100.0
0°-180°	31676.0	100.0

Coefficient of Utilization

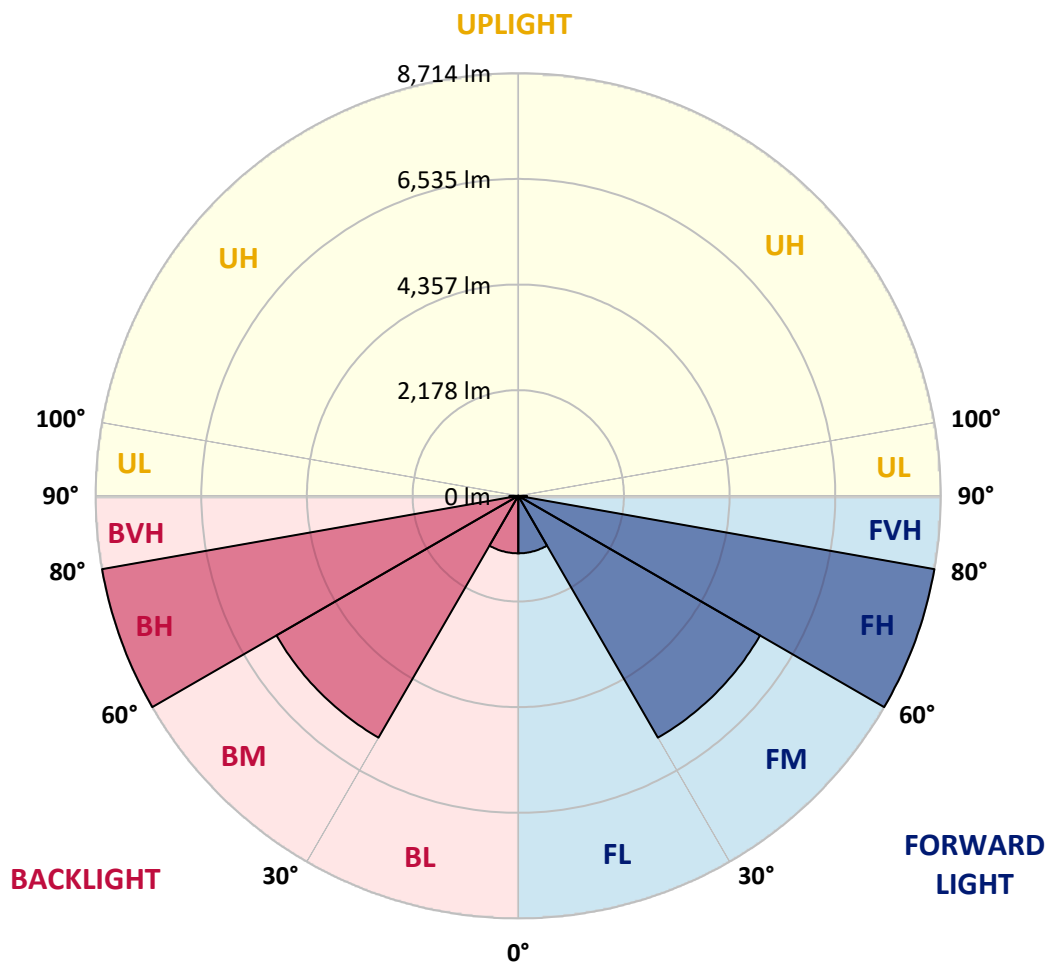


REPORT NUMBER: P849941
 CATALOG NUMBER: GLAN-SB7B-722-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1185.7	3.7			
FM (30°-60°)	5757.6	18.2			
FH (60°-80°)	8713.6	27.5			G4/12000
FVH (80°-90°)	181.0	0.6			G2/225
BL (0°-30°)	1185.7	3.7	B3/2500		
BM (30°-60°)	5757.6	18.2	B4/8500		
BH (60°-80°)	8713.6	27.5	B5		G4/12000
BVH (80°-90°)	181.0	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short



REPORT NUMBER: P849941
 CATALOG NUMBER: GLAN-SB7B-722-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2889.5	2889.5	2889.5	2889.5	2889.5	2889.5	2889.5	2889.5	2889.5	2889.5
2.5°	2871.4	2879.6	2876.3	2869.7	2869.7	2864.8	2869.7	2873.0	2878.0	2881.3
5°	2833.5	2840.1	2838.4	2833.5	2835.2	2830.2	2833.5	2838.4	2841.7	2843.4
7.5°	2800.6	2807.2	2803.9	2795.6	2795.6	2790.7	2792.3	2797.3	2802.2	2803.9
10°	2792.3	2798.9	2789.1	2775.9	2770.9	2764.4	2766.0	2770.9	2780.8	2785.8
12.5°	2795.6	2800.6	2790.7	2770.9	2766.0	2759.4	2759.4	2764.4	2777.5	2784.1
15°	2805.5	2810.5	2795.6	2774.2	2769.3	2764.4	2762.7	2769.3	2784.1	2795.6
17.5°	2823.6	2828.6	2805.5	2775.9	2769.3	2770.9	2769.3	2774.2	2797.3	2818.7
20°	2840.1	2843.4	2812.1	2775.9	2769.3	2770.9	2769.3	2779.2	2808.8	2838.4
22.5°	2845.0	2848.3	2818.7	2787.4	2782.5	2784.1	2782.5	2792.3	2820.3	2850.0
25°	2846.7	2851.6	2828.6	2803.9	2812.1	2815.4	2812.1	2813.8	2835.2	2861.5
27.5°	2871.4	2878.0	2856.6	2835.2	2840.1	2838.4	2843.4	2848.3	2864.8	2891.1
30°	2922.4	2927.4	2909.2	2887.8	2884.5	2873.0	2887.8	2904.3	2922.4	2945.5
32.5°	3006.4	3016.3	2993.2	2970.2	2955.3	2948.8	2960.3	2988.3	3013.0	3037.7
35°	3146.3	3152.9	3131.5	3088.7	3062.4	3062.4	3072.2	3108.5	3148.0	3179.3
37.5°	3343.9	3352.1	3314.3	3263.2	3223.7	3223.7	3236.9	3274.8	3334.0	3378.5
40°	3584.3	3595.8	3548.1	3495.4	3457.5	3450.9	3467.4	3510.2	3566.2	3622.2
42.5°	3874.1	3887.2	3824.7	3778.6	3748.9	3748.9	3757.2	3796.7	3847.7	3916.9
45°	4244.5	4267.6	4181.9	4135.8	4107.8	4114.4	4119.4	4153.9	4200.0	4279.1
47.5°	4685.7	4708.8	4618.2	4570.5	4565.6	4596.8	4577.1	4601.8	4626.5	4717.0
50°	5186.3	5225.8	5163.2	5159.9	5169.8	5227.4	5181.3	5194.5	5166.5	5224.1
52.5°	5798.7	5856.4	5844.8	5864.6	5974.9	6093.4	5988.1	5942.0	5836.6	5854.7
55°	6541.3	6628.5	6645.0	6763.5	7013.8	7255.8	7031.9	6845.9	6622.0	6580.8
57.5°	7385.9	7455.0	7534.1	7776.1	8243.7	8673.4	8243.7	7832.1	7479.7	7395.8
60°	8294.7	8380.3	8456.1	8813.4	9508.1	10112.4	9495.0	8841.3	8375.4	8261.8
62.5°	9271.1	9381.4	9434.1	9830.8	10640.9	11362.0	10652.4	9860.5	9343.5	9221.7
65°	10207.9	10298.4	10357.7	10780.8	11554.7	12277.4	11607.3	10826.9	10295.1	10135.4
67.5°	10644.2	10693.6	10838.5	11317.6	12134.2	12959.1	12272.5	11368.6	10774.3	10494.4
70°	10005.4	9904.9	10254.0	11021.2	12203.4	13377.3	12361.4	10998.2	10270.4	9816.0
72.5°	7731.6	7558.8	8164.7	9476.9	11413.1	13110.5	11492.1	9551.0	8541.7	7619.7
75°	4206.6	4010.7	4847.1	6506.7	9101.5	11363.7	9310.6	6692.7	5397.0	4175.4
77.5°	1187.1	1113.0	1788.0	3148.0	5474.4	7978.6	5685.1	3217.1	2120.6	1257.9
80°	363.9	352.3	477.5	948.3	2324.8	3821.4	2234.2	959.9	607.5	383.6
82.5°	215.7	197.6	237.1	345.8	592.7	1200.2	576.3	360.6	289.8	194.3
85°	123.5	115.3	139.9	167.9	199.2	255.2	166.3	171.2	154.8	103.7
87.5°	51.0	46.1	54.3	52.7	46.1	59.3	44.5	52.7	62.6	41.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2889.5
2879.6
2843.4
2803.9
2785.8
2785.8
2797.3
2818.7
2840.1
2850.0
2859.9
2884.5
2940.5
3027.8
3167.7
3362.0
3604.0
3911.9
4275.8
4690.7
5189.6
5793.8
6516.6
7336.5
8163.0
9122.9
10056.4
10497.7
9924.7
7848.5
4447.0
1397.8
405.0
210.7
108.7
37.9
0.0

OF REPORT)