

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: P848751

Luminaire Tested: **GLAN-SB5C-722-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848751
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-SB5C-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29923 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

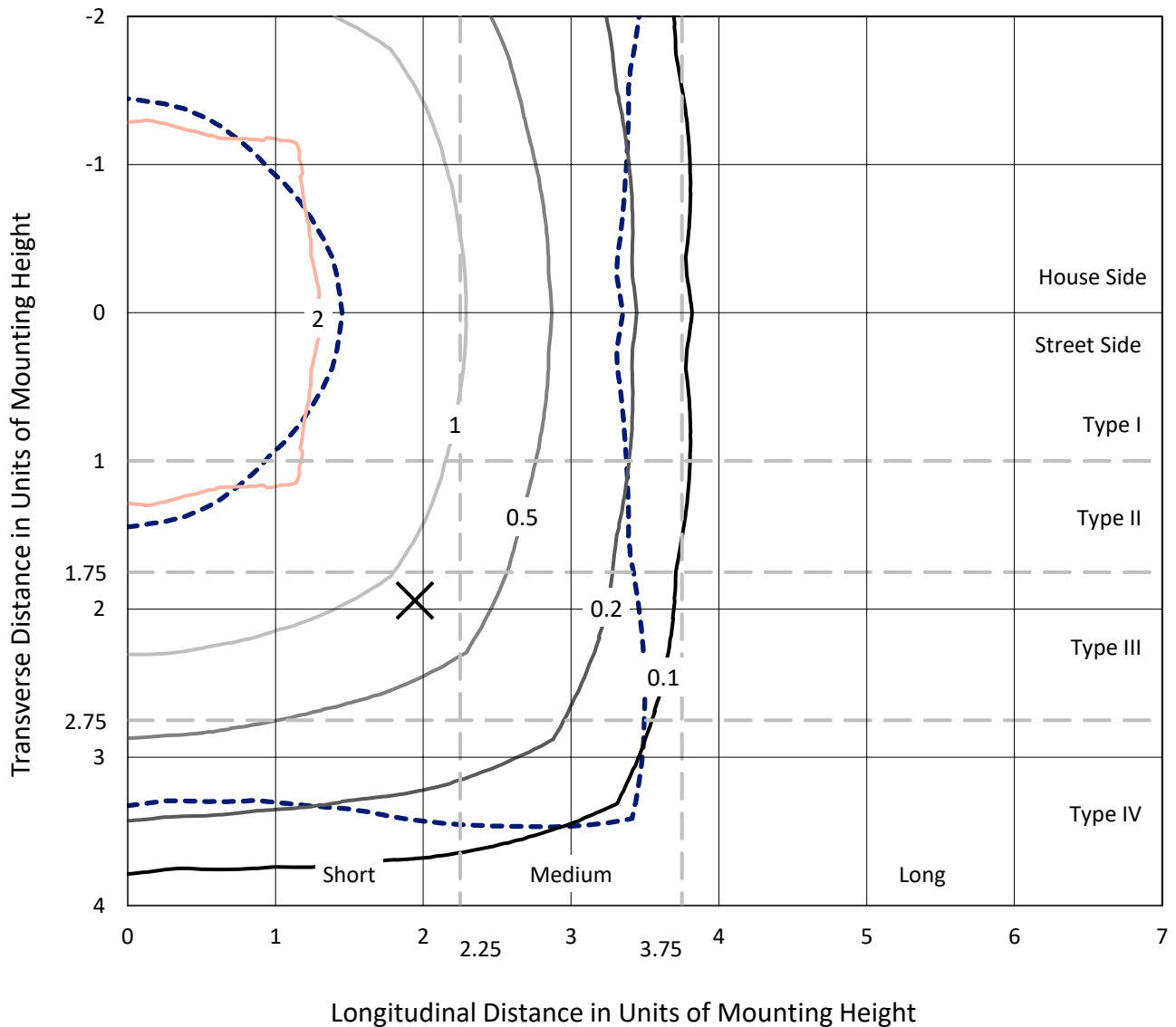
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

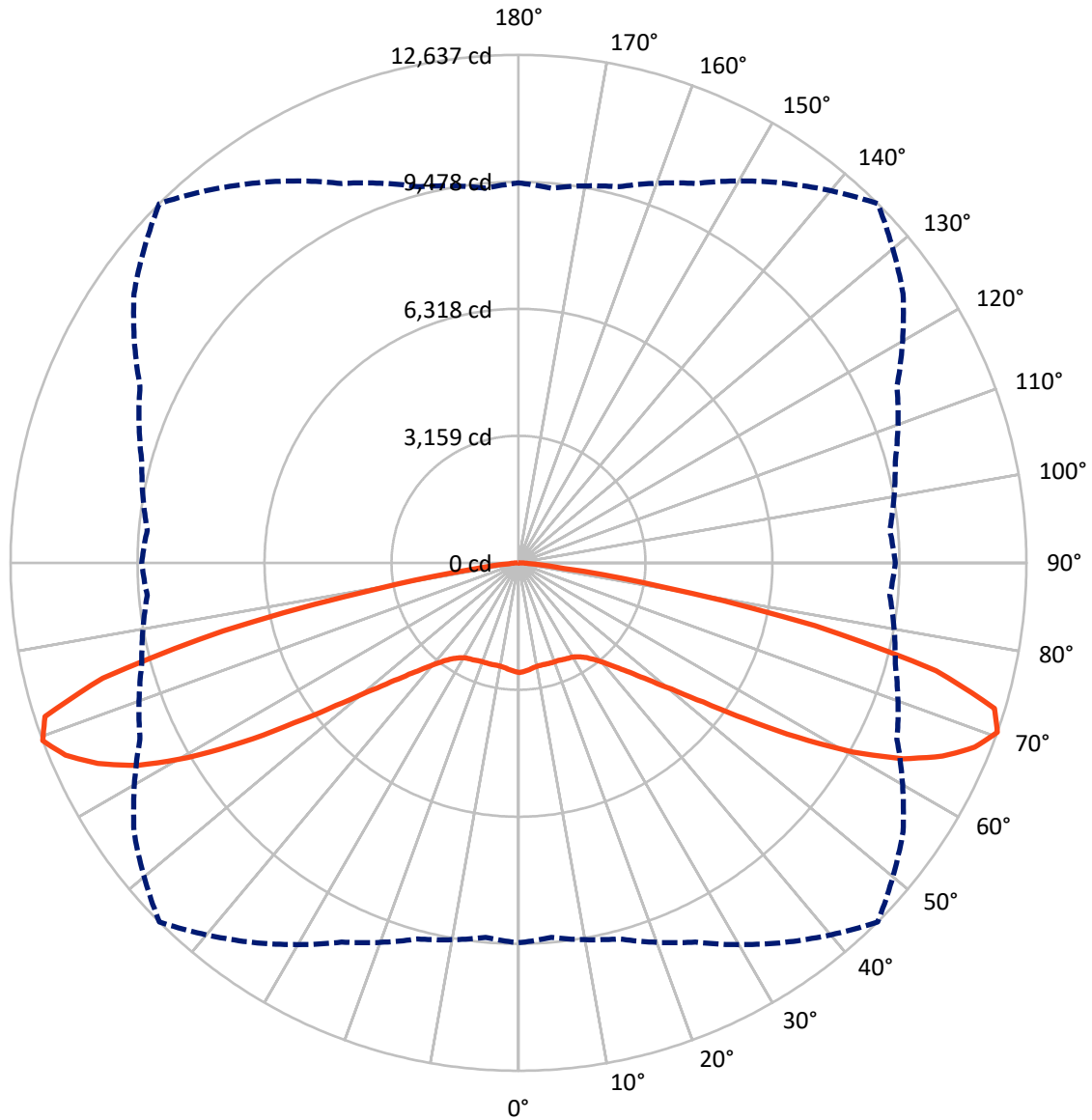
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14961.5	0.0	14961.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14961.5	0.0	14961.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29923.0	0.0	29923.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.9	0.8
10°-20°	745.6	2.5
20°-30°	1240.7	4.1
30°-40°	1876.3	6.3
40°-50°	3118.0	10.4
50°-60°	5883.6	19.7
60°-70°	9934.7	33.2
70°-80°	6528.1	21.8
80°-90°	342.0	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°	29923.0	100.0
0°-180°	29923.0	100.0

Coefficient of Utilization



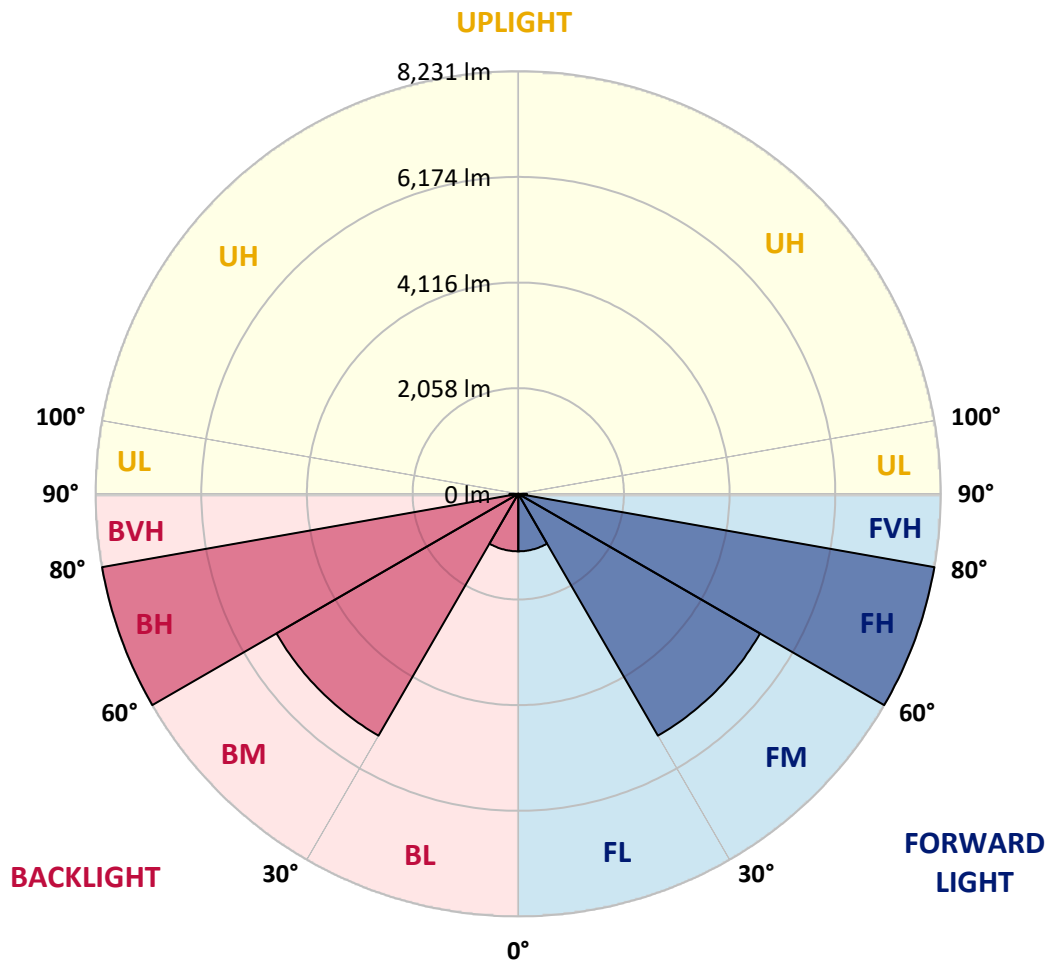
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1120.1	3.7			
FM (30°-60°)	5439.0	18.2			
FH (60°-80°)	8231.4	27.5			G4/12000
FVH (80°-90°)	171.0	0.6			G2/225
BL (0°-30°)	1120.1	3.7	B3/2500		
BM (30°-60°)	5439.0	18.2	B4/8500		
BH (60°-80°)	8231.4	27.5	B5		G4/12000
BVH (80°-90°)	171.0	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2729.6	2729.6	2729.6	2729.6	2729.6	2729.6	2729.6	2729.6	2729.6	2729.6
2.5°	2712.5	2720.2	2717.1	2710.9	2710.9	2706.3	2710.9	2714.0	2718.7	2721.8
5°	2676.7	2682.9	2681.4	2676.7	2678.3	2673.6	2676.7	2681.4	2684.5	2686.0
7.5°	2645.6	2651.8	2648.7	2640.9	2640.9	2636.3	2637.8	2642.5	2647.1	2648.7
10°	2637.8	2644.0	2634.7	2622.3	2617.6	2611.4	2612.9	2617.6	2626.9	2631.6
12.5°	2640.9	2645.6	2636.3	2617.6	2612.9	2606.7	2606.7	2611.4	2623.8	2630.0
15°	2650.3	2654.9	2640.9	2620.7	2616.0	2611.4	2609.8	2616.0	2630.0	2640.9
17.5°	2667.4	2672.0	2650.3	2622.3	2616.0	2617.6	2616.0	2620.7	2642.5	2662.7
20°	2682.9	2686.0	2656.5	2622.3	2616.0	2617.6	2616.0	2625.4	2653.4	2681.4
22.5°	2687.6	2690.7	2662.7	2633.2	2628.5	2630.0	2628.5	2637.8	2664.3	2692.3
25°	2689.1	2693.8	2672.0	2648.7	2656.5	2659.6	2656.5	2658.0	2678.3	2703.1
27.5°	2712.5	2718.7	2698.5	2678.3	2682.9	2681.4	2686.0	2690.7	2706.3	2731.1
30°	2760.7	2765.4	2748.2	2728.0	2724.9	2714.0	2728.0	2743.6	2760.7	2782.5
32.5°	2840.0	2849.3	2827.6	2805.8	2791.8	2785.6	2796.5	2822.9	2846.2	2869.6
35°	2972.2	2978.4	2958.2	2917.8	2892.9	2892.9	2902.2	2936.4	2973.8	3003.3
37.5°	3158.8	3166.6	3130.9	3082.6	3045.3	3045.3	3057.8	3093.5	3149.5	3191.5
40°	3385.9	3396.8	3351.7	3301.9	3266.2	3259.9	3275.5	3315.9	3368.8	3421.7
42.5°	3659.7	3672.1	3613.0	3569.5	3541.5	3541.5	3549.2	3586.6	3634.8	3700.1
45°	4009.6	4031.4	3950.5	3907.0	3880.5	3886.7	3891.4	3924.1	3967.6	4042.3
47.5°	4426.4	4448.2	4362.7	4317.6	4312.9	4342.4	4323.8	4347.1	4370.4	4456.0
50°	4899.2	4936.6	4877.5	4874.4	4883.7	4938.1	4894.6	4907.0	4880.6	4935.0
52.5°	5477.8	5532.3	5521.4	5540.0	5644.2	5756.2	5656.7	5613.1	5513.6	5530.7
55°	6179.3	6261.7	6277.3	6389.2	6625.6	6854.3	6642.8	6467.0	6255.5	6216.6
57.5°	6977.1	7042.5	7117.1	7345.8	7787.5	8193.4	7787.5	7398.6	7065.8	6986.5
60°	7835.7	7916.6	7988.1	8325.6	8982.0	9552.8	8969.5	8352.0	7911.9	7804.6
62.5°	8758.0	8862.2	8912.0	9286.8	10052.0	10733.2	10062.9	9314.8	8826.4	8711.3
65°	9643.0	9728.5	9784.5	10184.2	10915.2	11598.0	10965.0	10227.8	9725.4	9574.5
67.5°	10055.1	10101.8	10238.6	10691.2	11462.7	12241.9	11593.3	10739.5	10178.0	9913.6
70°	9451.7	9356.8	9686.5	10411.3	11528.0	12636.9	11677.3	10389.5	9702.1	9272.8
72.5°	7303.8	7140.5	7712.8	8952.4	10781.5	12385.0	10856.1	9022.4	8069.0	7198.0
75°	3973.8	3788.8	4578.9	6146.6	8597.8	10734.8	8795.3	6322.4	5098.3	3944.3
77.5°	1121.4	1051.4	1689.1	2973.8	5171.4	7537.1	5370.5	3039.1	2003.2	1188.3
80°	343.7	332.8	451.0	895.9	2196.1	3609.9	2110.6	906.7	573.9	362.4
82.5°	203.7	186.6	224.0	326.6	559.9	1133.8	544.4	340.6	273.7	183.5
85°	116.6	108.9	132.2	158.6	188.2	241.1	157.1	161.8	146.2	98.0
87.5°	48.2	43.5	51.3	49.8	43.5	56.0	42.0	49.8	59.1	38.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2729.6
2720.2
2686.0
2648.7
2631.6
2631.6
2642.5
2662.7
2682.9
2692.3
2701.6
2724.9
2777.8
2860.2
2992.4
3176.0
3404.6
3695.4
4039.2
4431.1
4902.4
5473.2
6155.9
6930.5
7711.3
8618.0
9499.9
9916.7
9375.4
7414.2
4200.9
1320.5
382.6
199.1
102.7
35.8
0.0

OF REPORT)