

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: P850451

Luminaire Tested: **GLAN-SB8A-722-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850451
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-SB8A-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28691 lumens
Efficiency: N/A
Efficacy: 126.3 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

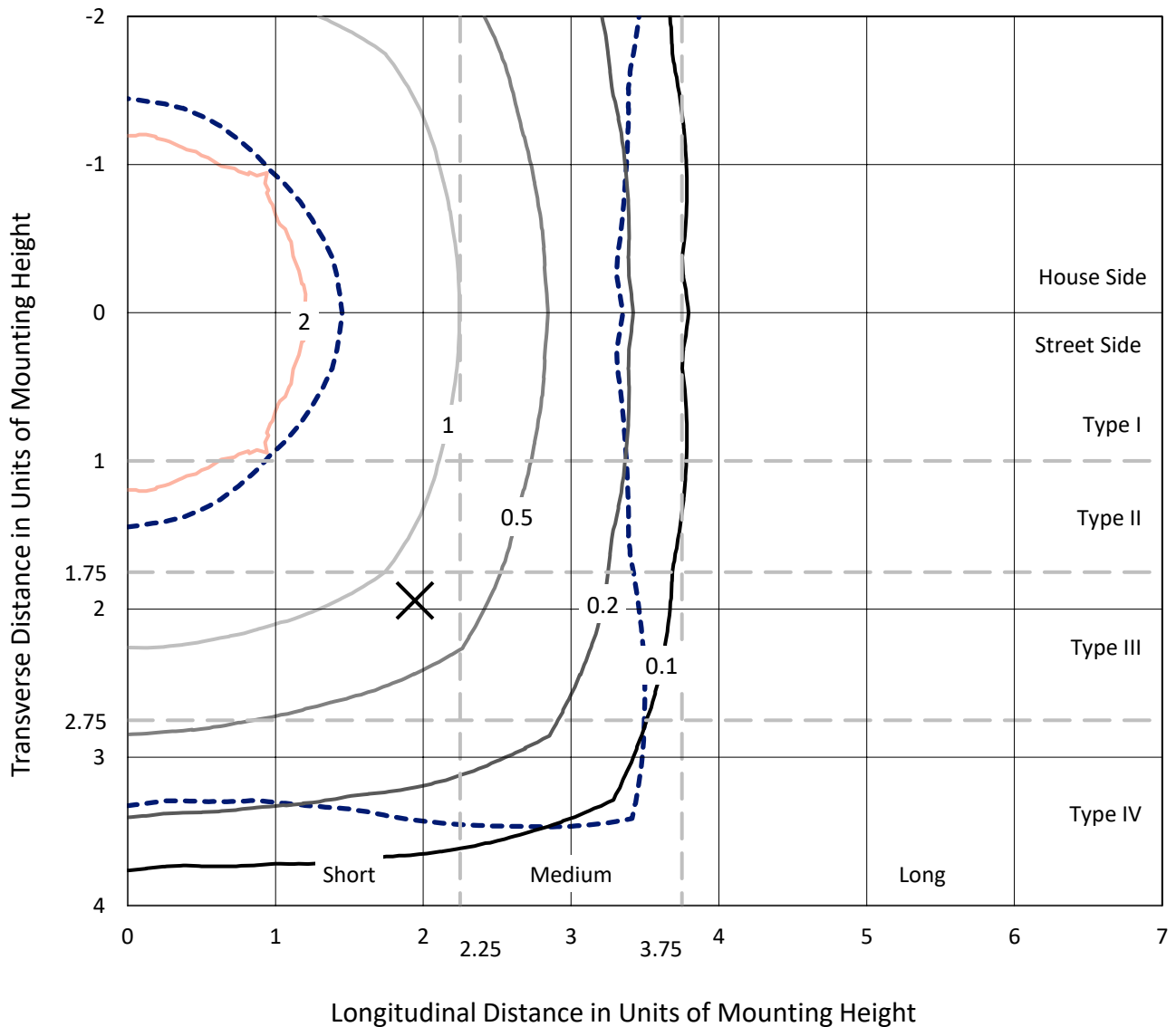
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

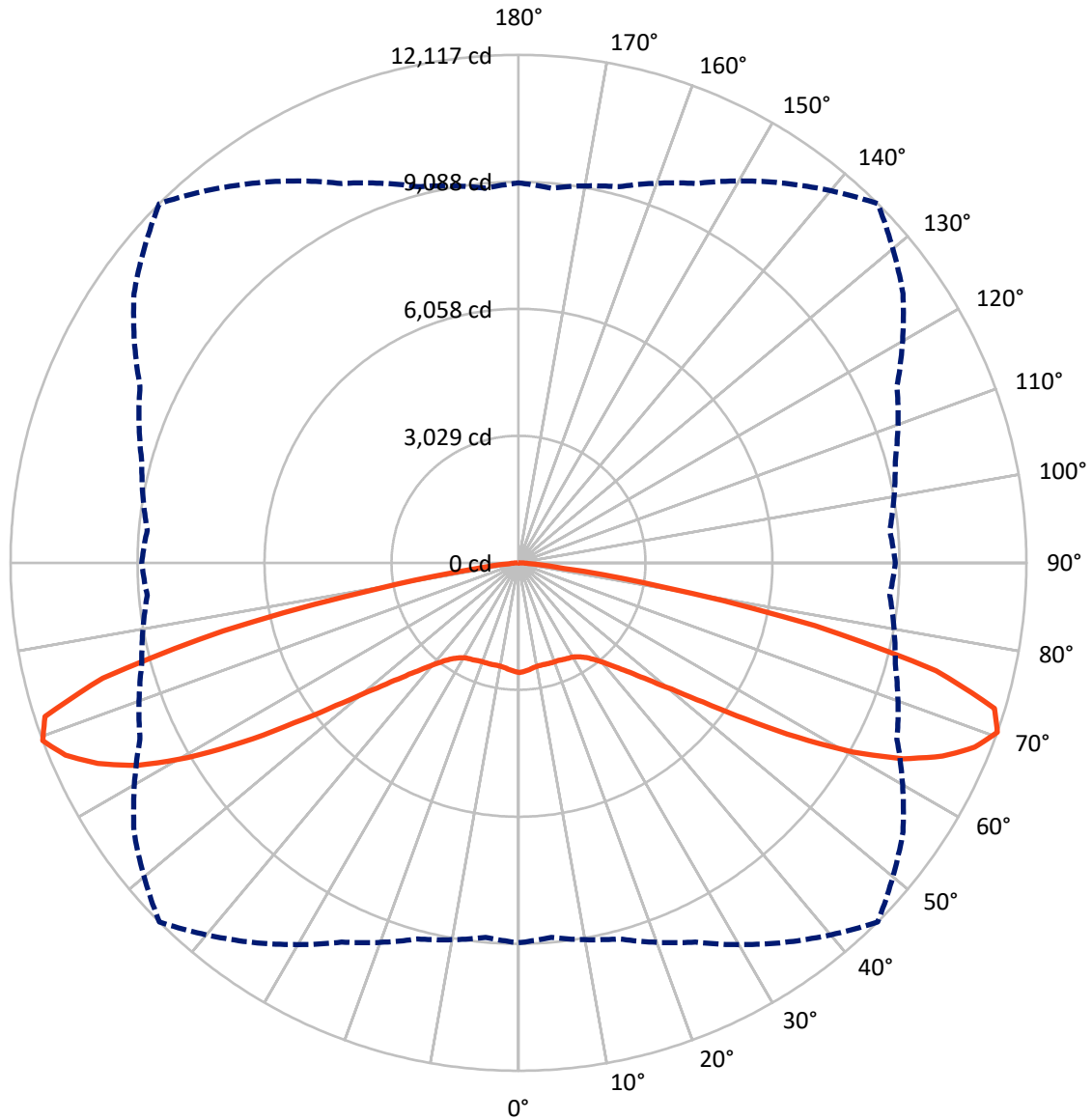
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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	14345.5	0.0	14345.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14345.5	0.0	14345.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28691.0	0.0	28691.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.5	0.8
10°-20°	714.9	2.5
20°-30°	1189.6	4.1
30°-40°	1799.1	6.3
40°-50°	2989.6	10.4
50°-60°	5641.4	19.7
60°-70°	9525.7	33.2
70°-80°	6259.4	21.8
80°-90°	327.9	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°	28691.0	100.0
0°-180°	28691.0	100.0

Coefficient of Utilization



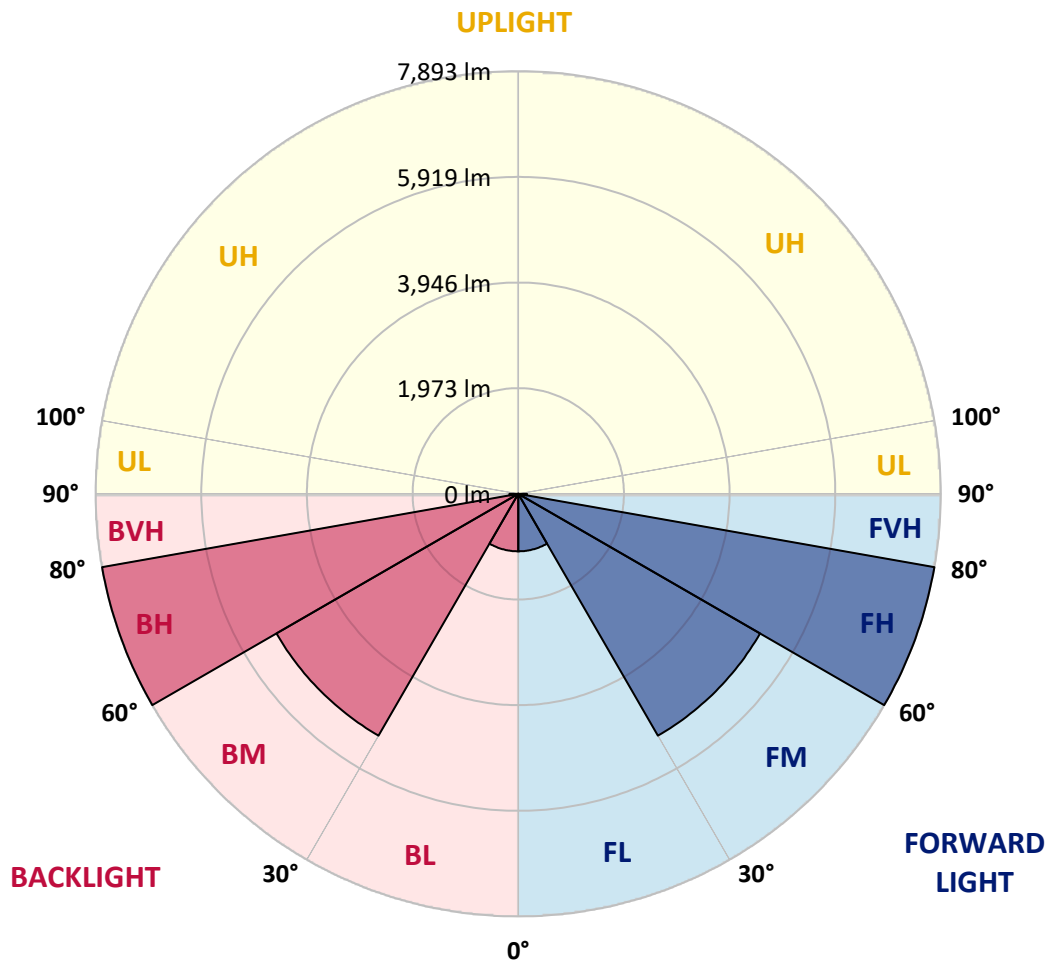
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1074.0	3.7			
FM (30°-60°)	5215.0	18.2			
FH (60°-80°)	7892.5	27.5			G4/12000
FVH (80°-90°)	164.0	0.6			G2/225
BL (0°-30°)	1074.0	3.7	B3/2500		
BM (30°-60°)	5215.0	18.2	B4/8500		
BH (60°-80°)	7892.5	27.5	B5		G4/12000
BVH (80°-90°)	164.0	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°	2617.2	2617.2	2617.2	2617.2	2617.2	2617.2	2617.2	2617.2	2617.2	2617.2
2.5°	2600.8	2608.2	2605.3	2599.3	2599.3	2594.8	2599.3	2602.3	2606.8	2609.7
5°	2566.5	2572.5	2571.0	2566.5	2568.0	2563.5	2566.5	2571.0	2573.9	2575.4
7.5°	2536.7	2542.6	2539.7	2532.2	2532.2	2527.7	2529.2	2533.7	2538.2	2539.7
10°	2529.2	2535.2	2526.2	2514.3	2509.8	2503.9	2505.4	2509.8	2518.8	2523.2
12.5°	2532.2	2536.7	2527.7	2509.8	2505.4	2499.4	2499.4	2503.9	2515.8	2521.8
15°	2541.1	2545.6	2532.2	2512.8	2508.3	2503.9	2502.4	2508.3	2521.8	2532.2
17.5°	2557.5	2562.0	2541.1	2514.3	2508.3	2509.8	2508.3	2512.8	2533.7	2553.1
20°	2572.5	2575.4	2547.1	2514.3	2508.3	2509.8	2508.3	2517.3	2544.1	2571.0
22.5°	2576.9	2579.9	2553.1	2524.7	2520.3	2521.8	2520.3	2529.2	2554.6	2581.4
25°	2578.4	2582.9	2562.0	2539.7	2547.1	2550.1	2547.1	2548.6	2568.0	2591.8
27.5°	2600.8	2606.8	2587.4	2568.0	2572.5	2571.0	2575.4	2579.9	2594.8	2618.7
30°	2647.0	2651.5	2635.1	2615.7	2612.7	2602.3	2615.7	2630.6	2647.0	2667.9
32.5°	2723.1	2732.0	2711.1	2690.3	2676.8	2670.9	2681.3	2706.7	2729.0	2751.4
35°	2849.8	2855.8	2836.4	2797.6	2773.8	2773.8	2782.7	2815.5	2851.3	2879.7
37.5°	3028.8	3036.2	3001.9	2955.7	2919.9	2919.9	2931.9	2966.2	3019.8	3060.1
40°	3246.5	3257.0	3213.7	3166.0	3131.7	3125.7	3140.6	3179.4	3230.1	3280.8
42.5°	3509.0	3520.9	3464.2	3422.5	3395.6	3395.6	3403.1	3438.9	3485.1	3547.8
45°	3844.5	3865.4	3787.9	3746.1	3720.7	3726.7	3731.2	3762.5	3804.3	3875.8
47.5°	4244.2	4265.1	4183.0	4139.8	4135.3	4163.7	4145.8	4168.1	4190.5	4272.5
50°	4697.5	4733.3	4676.7	4673.7	4682.6	4734.8	4693.1	4705.0	4679.6	4731.8
52.5°	5252.3	5304.5	5294.0	5311.9	5411.9	5519.2	5423.8	5382.0	5286.6	5303.0
55°	5924.9	6003.9	6018.8	6126.2	6352.9	6572.1	6369.3	6200.7	5997.9	5960.6
57.5°	6689.9	6752.5	6824.1	7043.3	7466.8	7856.1	7466.8	7094.0	6774.9	6698.8
60°	7513.1	7590.6	7659.2	7982.8	8612.1	9159.4	8600.2	8008.2	7586.1	7483.2
62.5°	8397.4	8497.3	8545.0	8904.4	9638.1	10291.3	9648.6	8931.3	8463.0	8352.7
65°	9245.9	9328.0	9381.6	9764.9	10465.8	11120.5	10513.5	9806.7	9325.0	9180.3
67.5°	9641.1	9685.9	9817.1	10251.1	10990.7	11737.9	11116.0	10297.3	9758.9	9505.4
70°	9062.5	8971.5	9287.7	9982.6	11053.4	12116.7	11196.5	9961.8	9302.6	8891.0
72.5°	7003.1	6846.5	7395.3	8583.8	10337.6	11875.1	10409.1	8650.9	7736.8	6901.6
75°	3810.2	3632.8	4390.3	5893.5	8243.8	10292.8	8433.2	6062.1	4888.4	3781.9
77.5°	1075.2	1008.1	1619.5	2851.3	4958.5	7226.7	5149.4	2914.0	1920.8	1139.3
80°	329.6	319.1	432.5	859.0	2105.7	3461.3	2023.7	869.4	550.3	347.5
82.5°	195.4	179.0	214.7	313.2	536.9	1087.1	521.9	326.6	262.5	176.0
85°	111.8	104.4	126.8	152.1	180.4	231.1	150.6	155.1	140.2	94.0
87.5°	46.2	41.8	49.2	47.7	41.8	53.7	40.3	47.7	56.7	37.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2617.2
2608.2
2575.4
2539.7
2523.2
2523.2
2533.7
2553.1
2572.5
2581.4
2590.4
2612.7
2663.4
2742.5
2869.2
3045.2
3264.4
3543.3
3872.9
4248.7
4700.5
5247.8
5902.5
6645.1
7393.8
8263.2
9108.7
9508.4
8989.4
7108.9
4027.9
1266.1
366.9
190.9
98.4
34.3
0.0

OF REPORT)