

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: P851261

Luminaire Tested: **GLAN-SB9A-930-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851261
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-SB9A-930-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27882 lumens
Efficiency: N/A
Efficacy: 109.1 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

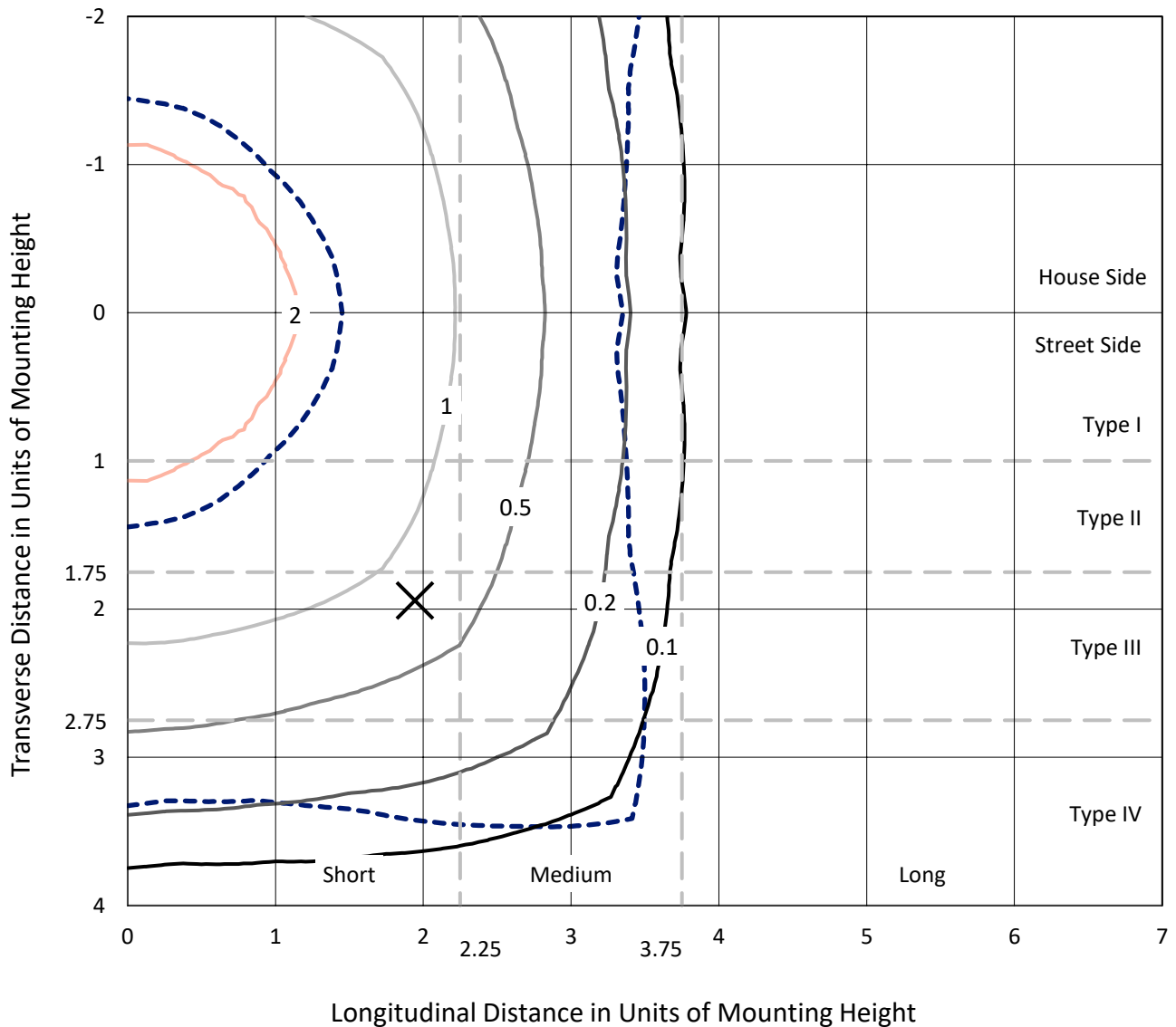
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

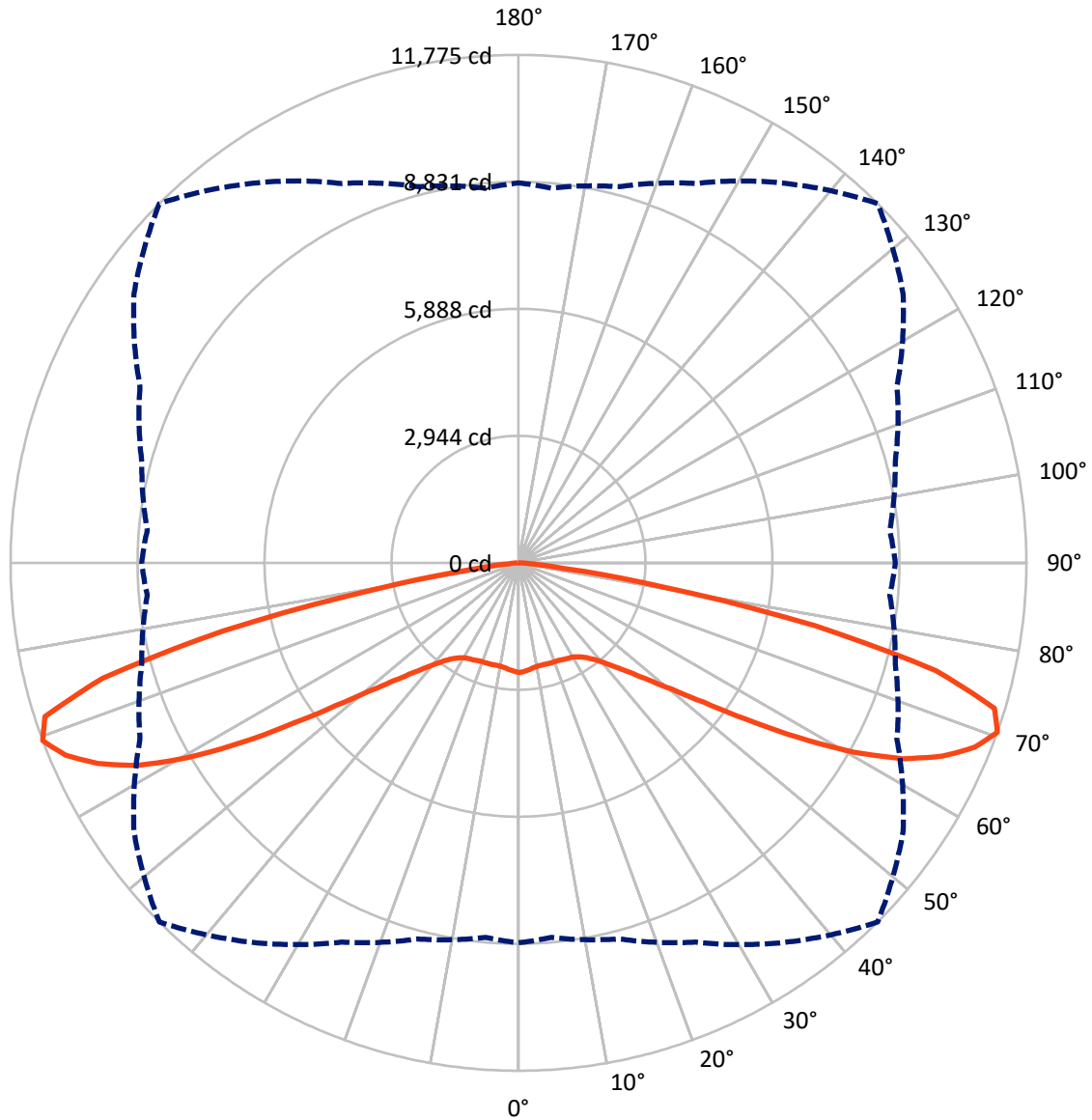
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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	13941.0	0.0	13941.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13941.0	0.0	13941.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	27882.0	0.0	27882.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.6	0.8
10°-20°	694.7	2.5
20°-30°	1156.1	4.1
30°-40°	1748.4	6.3
40°-50°	2905.4	10.4
50°-60°	5482.3	19.7
60°-70°	9257.1	33.2
70°-80°	6082.9	21.8
80°-90°	318.7	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°	27882.0	100.0
0°-180°	27882.0	100.0

Coefficient of Utilization



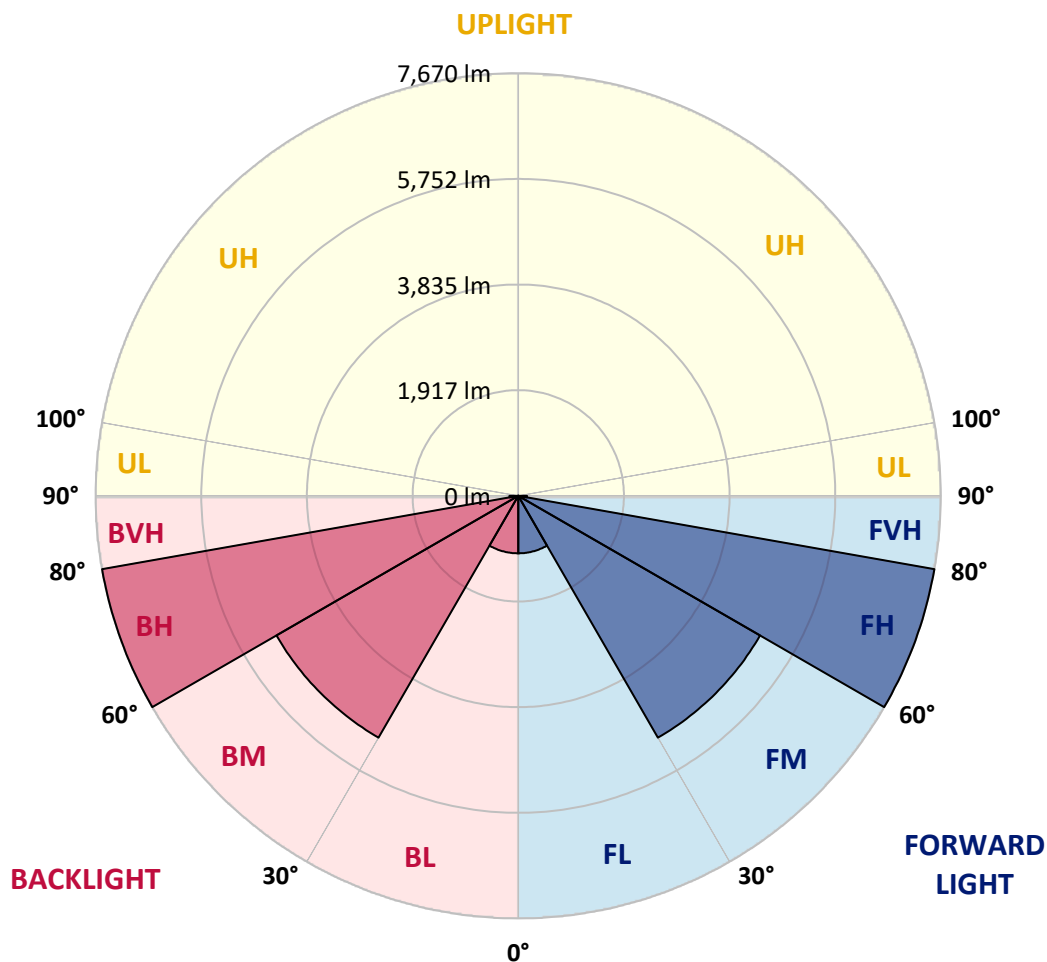
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1043.7	3.7			
FM (30°-60°)	5068.0	18.2			
FH (60°-80°)	7670.0	27.5			G4/12000
FVH (80°-90°)	159.3	0.6			G2/225
BL (0°-30°)	1043.7	3.7	B3/2500		
BM (30°-60°)	5068.0	18.2	B4/8500		
BH (60°-80°)	7670.0	27.5	B5		G4/12000
BVH (80°-90°)	159.3	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°	2543.4	2543.4	2543.4	2543.4	2543.4	2543.4	2543.4	2543.4	2543.4	2543.4
2.5°	2527.5	2534.7	2531.8	2526.0	2526.0	2521.7	2526.0	2528.9	2533.3	2536.2
5°	2494.1	2499.9	2498.5	2494.1	2495.6	2491.2	2494.1	2498.5	2501.4	2502.8
7.5°	2465.1	2470.9	2468.0	2460.8	2460.8	2456.4	2457.9	2462.2	2466.6	2468.0
10°	2457.9	2463.7	2455.0	2443.4	2439.1	2433.3	2434.7	2439.1	2447.8	2452.1
12.5°	2460.8	2465.1	2456.4	2439.1	2434.7	2428.9	2428.9	2433.3	2444.9	2450.6
15°	2469.5	2473.8	2460.8	2442.0	2437.6	2433.3	2431.8	2437.6	2450.6	2460.8
17.5°	2485.4	2489.8	2469.5	2443.4	2437.6	2439.1	2437.6	2442.0	2462.2	2481.1
20°	2499.9	2502.8	2475.3	2443.4	2437.6	2439.1	2437.6	2446.3	2472.4	2498.5
22.5°	2504.3	2507.2	2481.1	2453.5	2449.2	2450.6	2449.2	2457.9	2482.5	2508.6
25°	2505.7	2510.1	2489.8	2468.0	2475.3	2478.2	2475.3	2476.7	2495.6	2518.8
27.5°	2527.5	2533.3	2514.4	2495.6	2499.9	2498.5	2502.8	2507.2	2521.7	2544.8
30°	2572.4	2576.7	2560.8	2542.0	2539.1	2528.9	2542.0	2556.4	2572.4	2592.7
32.5°	2646.3	2655.0	2634.7	2614.4	2601.4	2595.6	2605.7	2630.4	2652.1	2673.8
35°	2769.5	2775.3	2756.4	2718.8	2695.6	2695.6	2704.3	2736.1	2770.9	2798.5
37.5°	2943.4	2950.6	2917.3	2872.4	2837.6	2837.6	2849.2	2882.5	2934.7	2973.8
40°	3155.0	3165.1	3123.1	3076.7	3043.4	3037.6	3052.1	3089.8	3139.0	3188.3
42.5°	3410.0	3421.6	3366.6	3326.0	3299.9	3299.9	3307.1	3341.9	3386.9	3447.7
45°	3736.1	3756.4	3681.0	3640.5	3615.8	3621.6	3626.0	3656.4	3697.0	3766.6
47.5°	4124.5	4144.8	4065.1	4023.1	4018.7	4046.3	4028.9	4050.6	4072.3	4152.0
50°	4565.1	4599.9	4544.8	4541.9	4550.6	4601.3	4560.7	4572.3	4547.7	4598.4
52.5°	5104.2	5154.9	5144.8	5162.2	5259.3	5363.6	5270.9	5230.3	5137.5	5153.5
55°	5757.8	5834.6	5849.1	5953.4	6173.7	6386.8	6189.7	6025.9	5828.8	5792.6
57.5°	6501.2	6562.1	6631.7	6844.7	7256.3	7634.5	7256.3	6894.0	6583.9	6509.9
60°	7301.2	7376.6	7443.2	7757.7	8369.3	8901.2	8357.7	7782.4	7372.2	7272.2
62.5°	8160.6	8257.7	8304.1	8653.4	9366.4	10001.1	9376.5	8679.4	8224.4	8117.1
65°	8985.2	9064.9	9117.1	9489.6	10170.7	10806.9	10217.1	9530.1	9062.0	8921.5
67.5°	9369.3	9412.8	9540.3	9962.0	10680.8	11406.9	10802.6	10006.9	9483.8	9237.4
70°	8807.0	8718.6	9025.8	9701.1	10741.7	11775.0	10880.8	9680.9	9040.3	8640.3
72.5°	6805.6	6653.4	7186.7	8341.8	10046.1	11540.2	10115.6	8407.0	7518.6	6707.0
75°	3702.8	3530.3	4266.5	5727.4	8011.3	10002.6	8195.4	5891.1	4750.6	3675.2
77.5°	1044.9	979.7	1573.9	2770.9	4818.7	7023.0	5004.2	2831.8	1866.6	1107.2
80°	320.3	310.1	420.3	834.8	2046.3	3363.7	1966.6	844.9	534.8	337.7
82.5°	189.8	173.9	208.7	304.3	521.7	1056.5	507.2	317.4	255.1	171.0
85°	108.7	101.4	123.2	147.8	175.4	224.6	146.4	150.7	136.2	91.3
87.5°	44.9	40.6	47.8	46.4	40.6	52.2	39.1	46.4	55.1	36.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2543.4
2534.7
2502.8
2468.0
2452.1
2452.1
2462.2
2481.1
2499.9
2508.6
2517.3
2539.1
2588.3
2665.1
2788.3
2959.3
3172.4
3443.4
3763.7
4128.9
4568.0
5099.8
5736.1
6457.8
7185.3
8030.2
8851.9
9240.3
8736.0
6908.5
3914.4
1230.4
356.5
185.5
95.6
33.3
0.0

OF REPORT)