

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: P851421

Luminaire Tested: **GLAN-SB9B-927-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851421
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-SB9B-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33410 lumens
Efficiency: N/A
Efficacy: 101.4 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

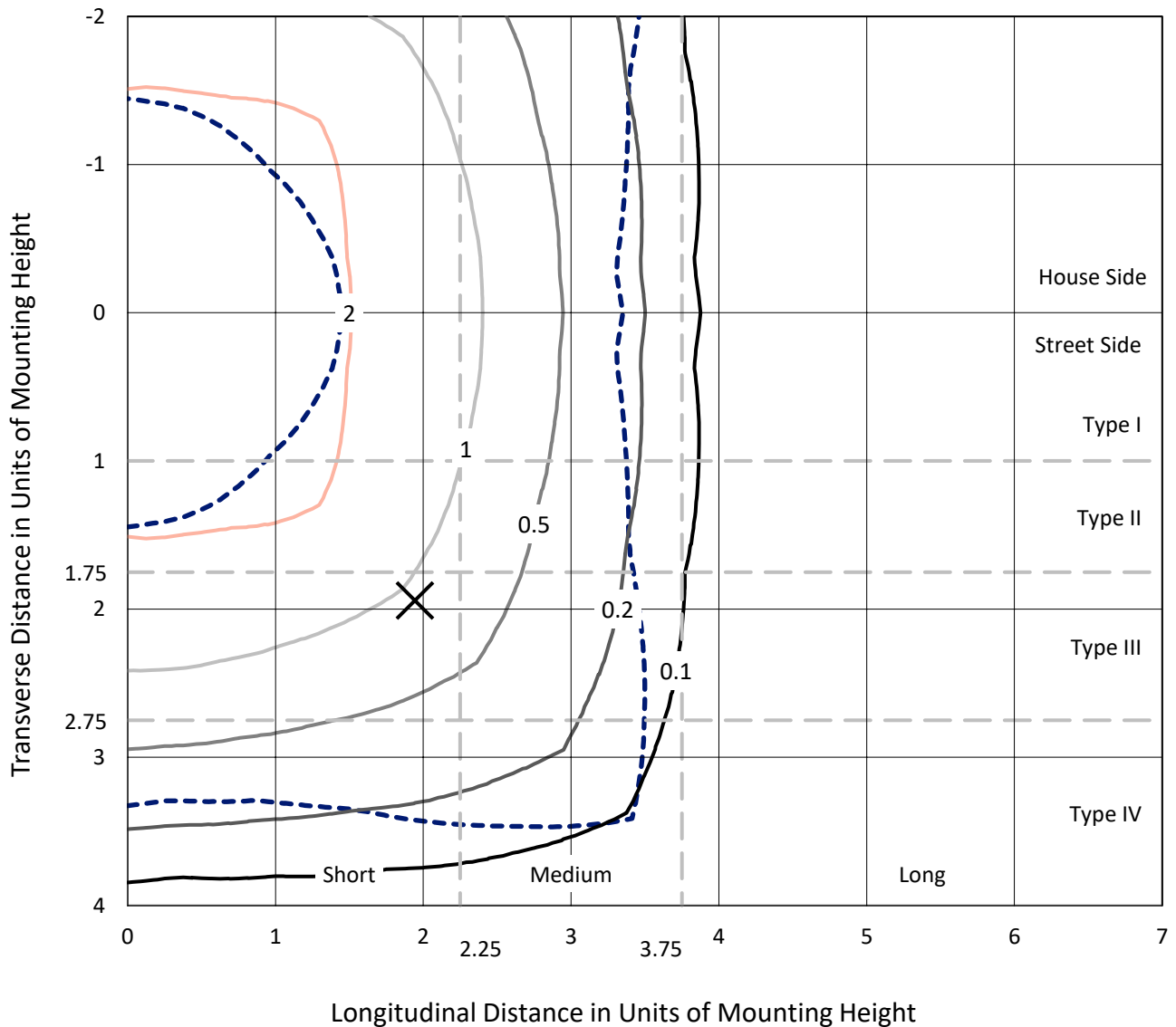
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

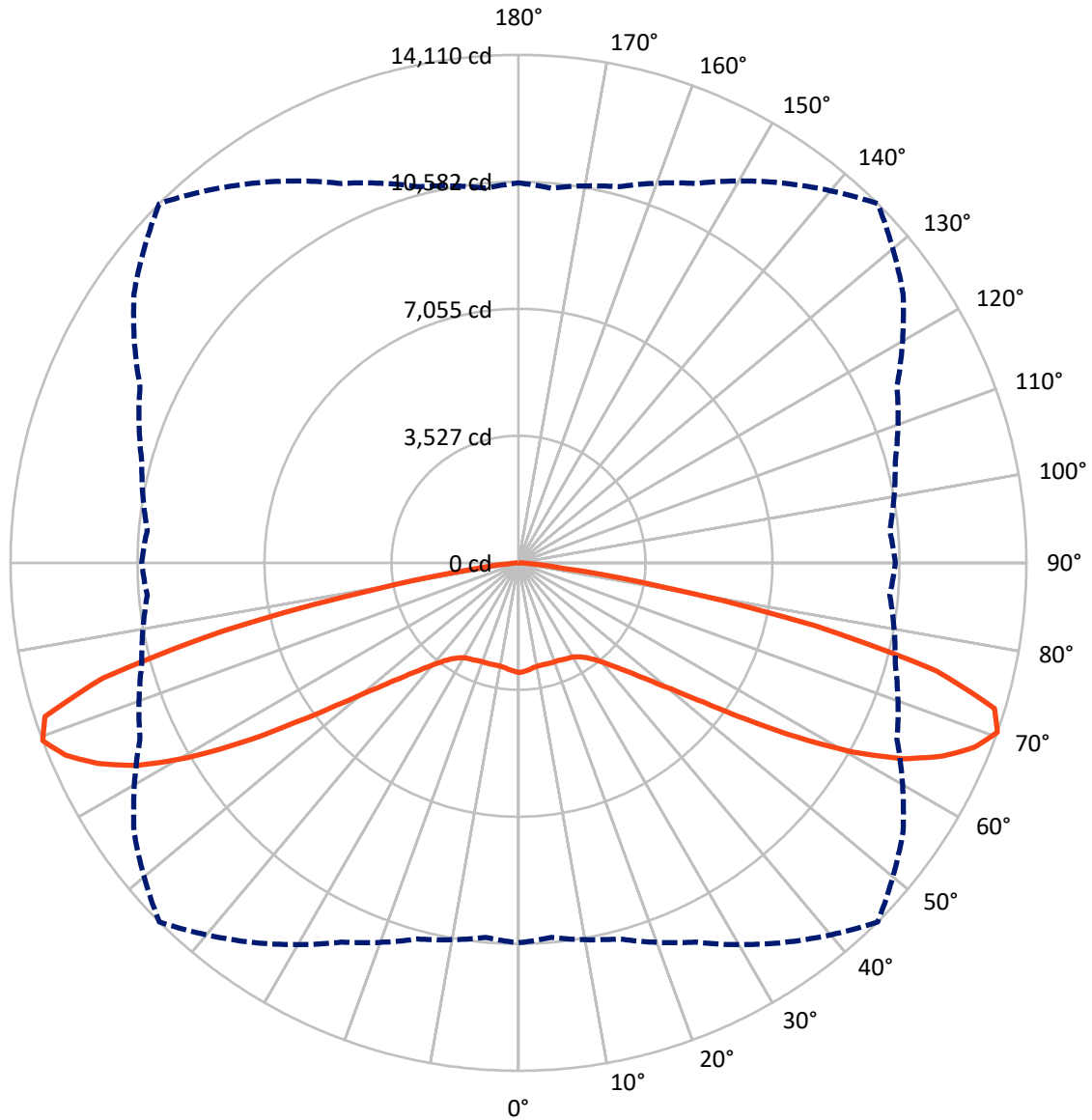
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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	16705.0	0.0	16705.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16705.0	0.0	16705.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33410.0	0.0	33410.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.5	0.8
10°-20°	832.4	2.5
20°-30°	1385.3	4.1
30°-40°	2095.0	6.3
40°-50°	3481.4	10.4
50°-60°	6569.2	19.7
60°-70°	11092.4	33.2
70°-80°	7288.9	21.8
80°-90°	381.9	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°	33410.0	100.0
0°-180°	33410.0	100.0

Coefficient of Utilization

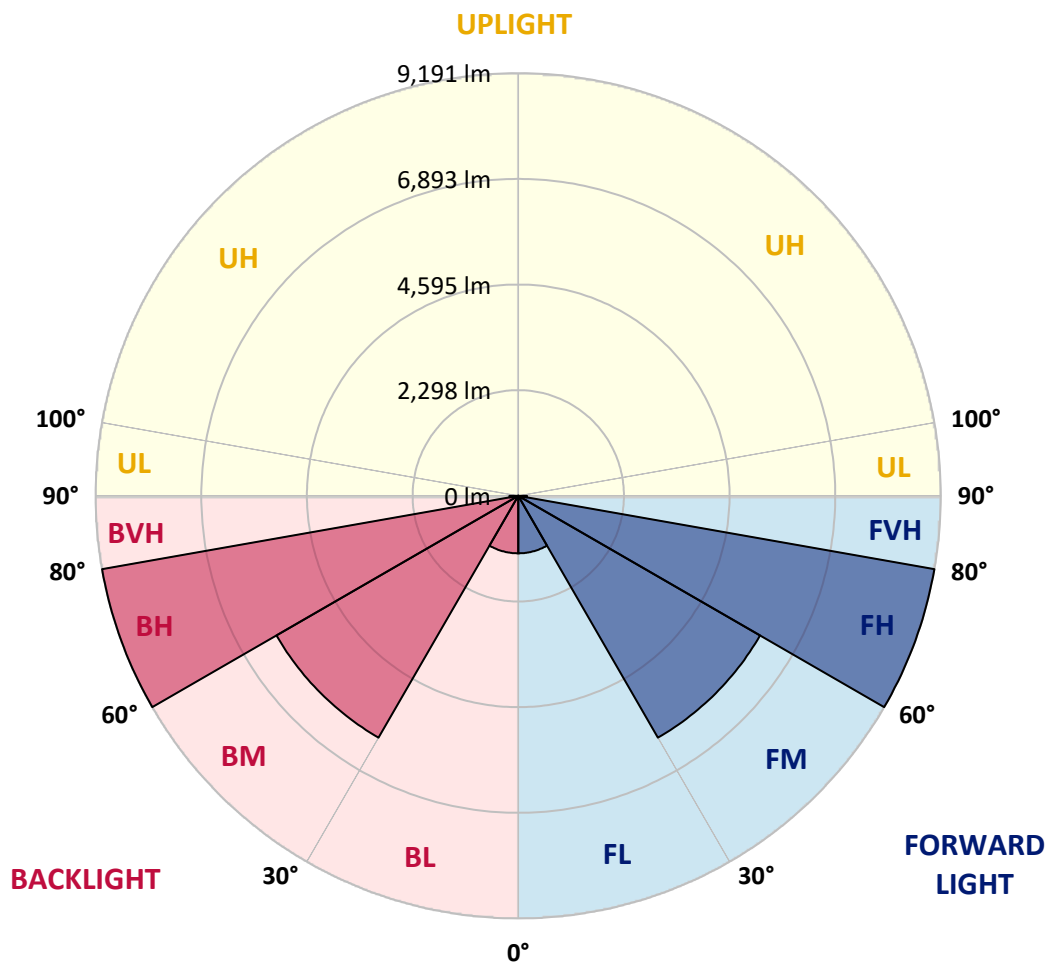


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1250.6	3.7			
FM (30°-60°)	6072.8	18.2			
FH (60°-80°)	9190.6	27.5			G4/12000
FVH (80°-90°)	190.9	0.6			G2/225
BL (0°-30°)	1250.6	3.7	B3/2500		
BM (30°-60°)	6072.8	18.2	B4/8500		
BH (60°-80°)	9190.6	27.5	B5		G4/12000
BVH (80°-90°)	190.9	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°	3047.7	3047.7	3047.7	3047.7	3047.7	3047.7	3047.7	3047.7	3047.7	3047.7
2.5°	3028.6	3037.2	3033.8	3026.8	3026.8	3021.6	3026.8	3030.3	3035.5	3039.0
5°	2988.6	2995.6	2993.8	2988.6	2990.4	2985.1	2988.6	2993.8	2997.3	2999.0
7.5°	2953.9	2960.8	2957.4	2948.7	2948.7	2943.5	2945.2	2950.4	2955.6	2957.4
10°	2945.2	2952.2	2941.7	2927.8	2922.6	2915.7	2917.4	2922.6	2933.1	2938.3
12.5°	2948.7	2953.9	2943.5	2922.6	2917.4	2910.5	2910.5	2915.7	2929.6	2936.5
15°	2959.1	2964.3	2948.7	2926.1	2920.9	2915.7	2913.9	2920.9	2936.5	2948.7
17.5°	2978.2	2983.4	2959.1	2927.8	2920.9	2922.6	2920.9	2926.1	2950.4	2973.0
20°	2995.6	2999.0	2966.0	2927.8	2920.9	2922.6	2920.9	2931.3	2962.6	2993.8
22.5°	3000.8	3004.3	2973.0	2940.0	2934.8	2936.5	2934.8	2945.2	2974.7	3006.0
25°	3002.5	3007.7	2983.4	2957.4	2966.0	2969.5	2966.0	2967.8	2990.4	3018.1
27.5°	3028.6	3035.5	3012.9	2990.4	2995.6	2993.8	2999.0	3004.3	3021.6	3049.4
30°	3082.4	3087.6	3068.5	3045.9	3042.5	3030.3	3045.9	3063.3	3082.4	3106.7
32.5°	3171.0	3181.4	3157.1	3132.8	3117.1	3110.2	3122.3	3151.9	3177.9	3204.0
35°	3318.6	3325.5	3302.9	3257.8	3230.0	3230.0	3240.4	3278.6	3320.3	3353.3
37.5°	3527.0	3535.6	3495.7	3441.9	3400.2	3400.2	3414.1	3454.0	3516.5	3563.4
40°	3780.5	3792.6	3742.3	3686.7	3646.8	3639.8	3657.2	3702.3	3761.4	3820.4
42.5°	4086.1	4100.0	4034.0	3985.4	3954.1	3954.1	3962.8	4004.5	4058.3	4131.3
45°	4476.9	4501.2	4410.9	4362.2	4332.7	4339.7	4344.9	4381.3	4430.0	4513.3
47.5°	4942.3	4966.6	4871.1	4820.7	4815.5	4848.5	4827.6	4853.7	4879.7	4975.2
50°	5470.2	5511.8	5445.9	5442.4	5452.8	5513.6	5465.0	5478.9	5449.3	5510.1
52.5°	6116.2	6176.9	6164.8	6185.6	6302.0	6427.0	6315.9	6267.2	6156.1	6175.2
55°	6899.4	6991.4	7008.8	7133.8	7397.8	7653.0	7416.9	7220.6	6984.4	6941.0
57.5°	7790.2	7863.1	7946.5	8201.8	8695.0	9148.2	8695.0	8260.8	7889.2	7800.6
60°	8748.8	8839.1	8919.0	9295.8	10028.6	10666.0	10014.7	9325.3	8833.9	8714.1
62.5°	9778.6	9894.9	9950.5	10369.0	11223.4	11984.0	11235.6	10400.3	9855.0	9726.5
65°	10766.7	10862.2	10924.7	11371.0	12187.2	12949.5	12242.8	11419.6	10858.7	10690.3
67.5°	11226.9	11279.0	11431.8	11937.1	12798.5	13668.5	12944.3	11991.0	11364.1	11068.8
70°	10553.1	10447.2	10815.3	11624.5	12871.4	14109.6	13038.1	11600.2	10832.7	10353.4
72.5°	8154.9	7972.6	8611.6	9995.6	12037.8	13828.2	12121.2	10073.8	9009.3	8036.8
75°	4436.9	4230.3	5112.4	6862.9	9599.7	11985.7	9820.3	7059.1	5692.4	4403.9
77.5°	1252.1	1173.9	1885.9	3320.3	5774.1	8415.4	5996.3	3393.2	2236.7	1326.7
80°	383.8	371.6	503.6	1000.3	2452.0	4030.6	2356.5	1012.4	640.8	404.6
82.5°	227.5	208.4	250.1	364.7	625.2	1266.0	607.8	380.3	305.6	204.9
85°	130.2	121.6	147.6	177.1	210.1	269.2	175.4	180.6	163.2	109.4
87.5°	53.8	48.6	57.3	55.6	48.6	62.5	46.9	55.6	66.0	43.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3047.7
3037.2
2999.0
2957.4
2938.3
2938.3
2950.4
2973.0
2995.6
3006.0
3016.4
3042.5
3101.5
3193.5
3341.1
3546.1
3801.3
4126.1
4509.8
4947.5
5473.6
6111.0
6873.3
7738.1
8609.9
9622.3
10606.9
11072.3
10468.0
8278.2
4690.5
1474.3
427.2
222.3
114.6
39.9
0.0

OF REPORT)