

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: P848371

Luminaire Tested: **GLAN-SB4D-930-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848371
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-SB4D-930-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27831 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

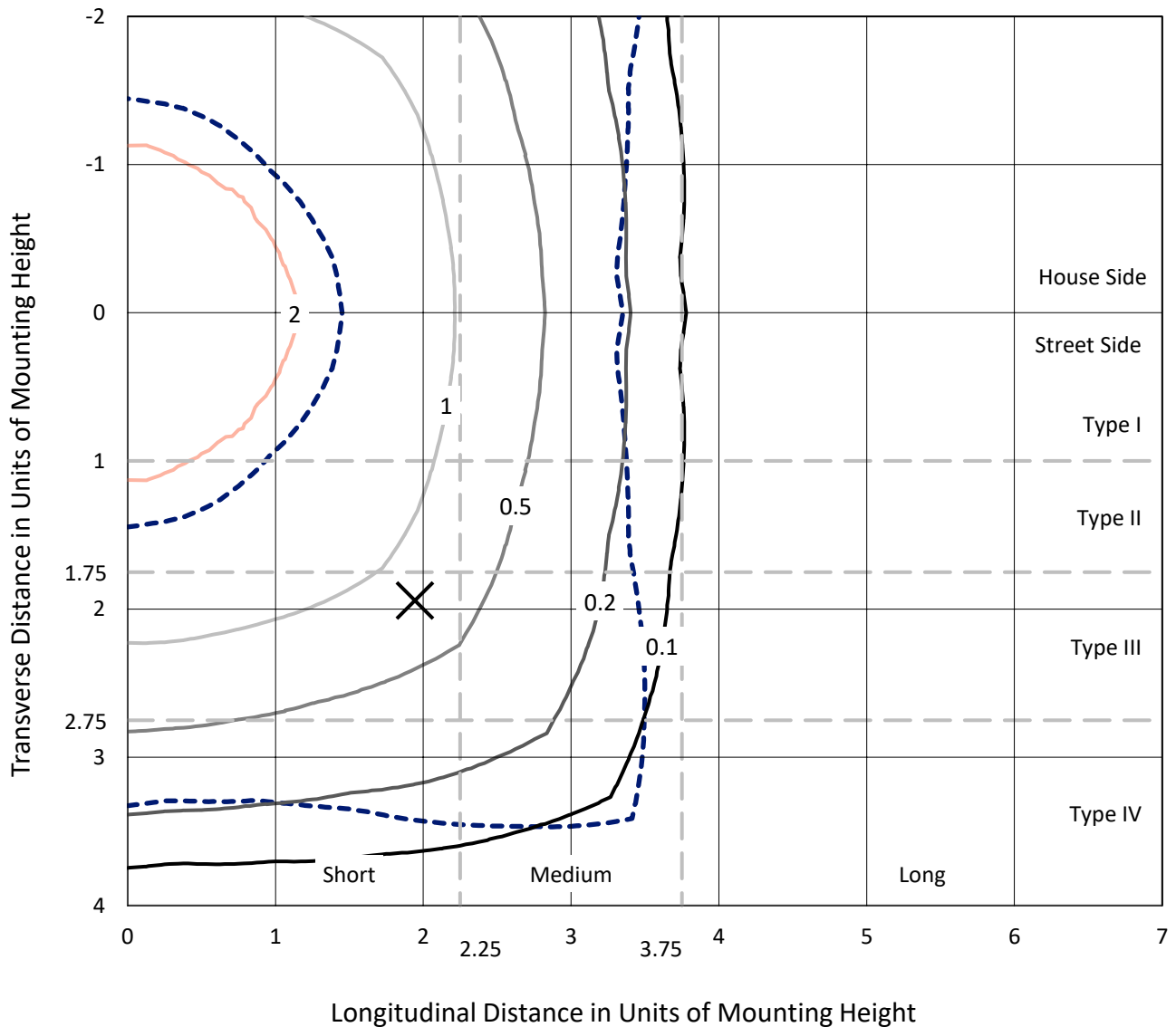
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

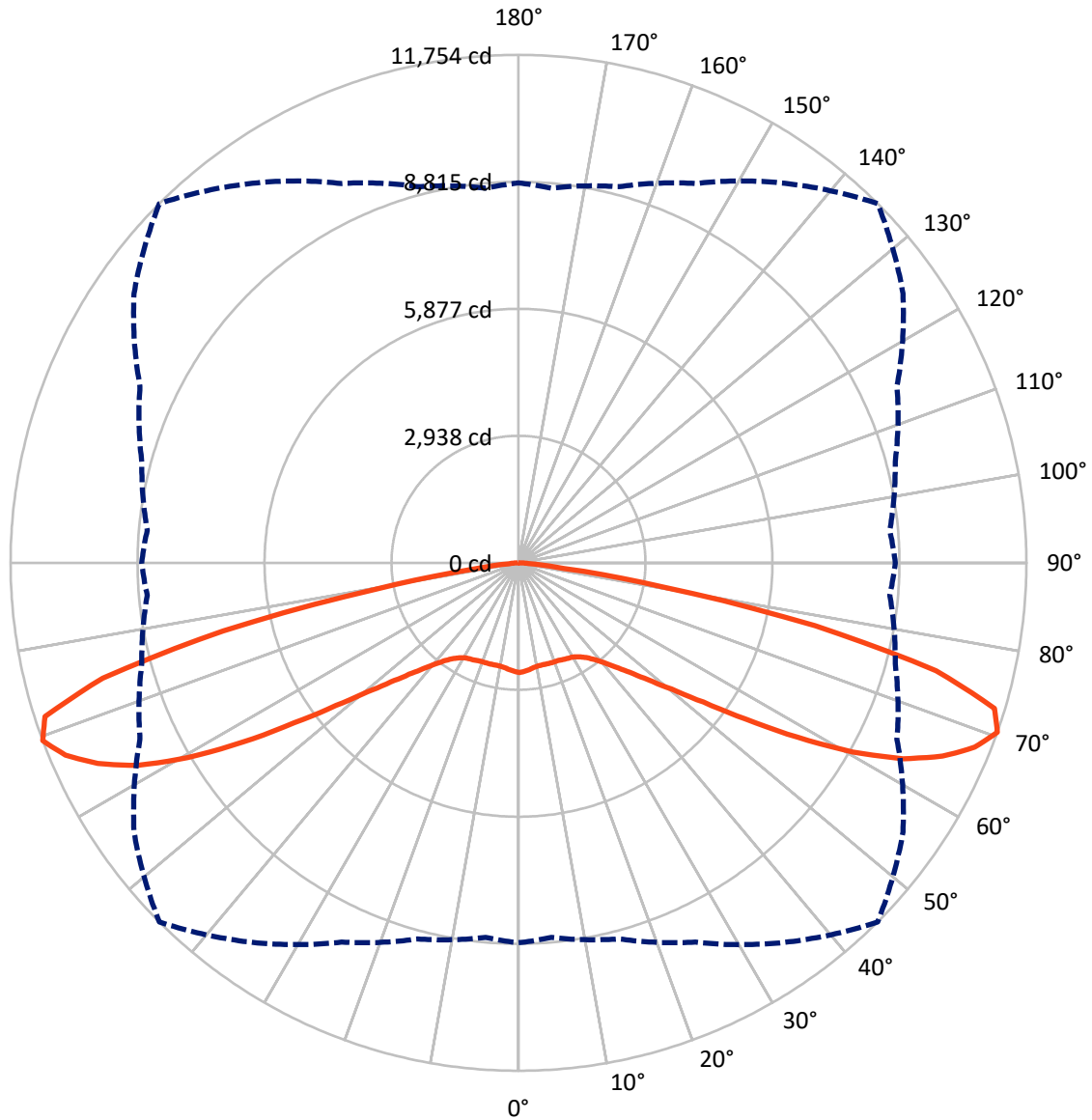
✕ Max cd
 - - - 1/2 Max cd



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	13915.5	0.0	13915.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13915.5	0.0	13915.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27831.0	0.0	27831.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.2	0.8
10°-20°	693.4	2.5
20°-30°	1154.0	4.1
30°-40°	1745.2	6.3
40°-50°	2900.0	10.4
50°-60°	5472.3	19.7
60°-70°	9240.1	33.2
70°-80°	6071.7	21.8
80°-90°	318.1	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°	27831.0	100.0
0°-180°	27831.0	100.0

Coefficient of Utilization



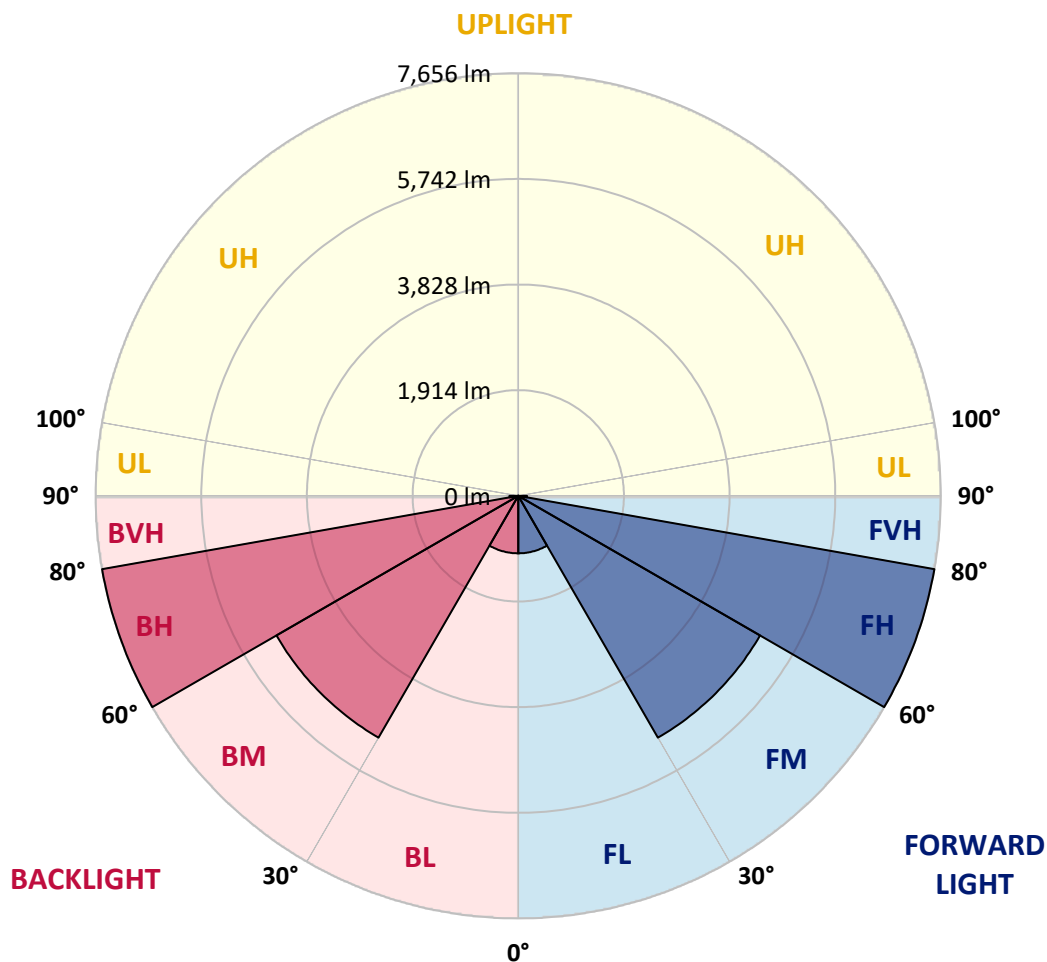
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1041.8	3.7			
FM (30°-60°)	5058.7	18.2			
FH (60°-80°)	7655.9	27.5			G4/12000
FVH (80°-90°)	159.1	0.6			G2/225
BL (0°-30°)	1041.8	3.7	B3/2500		
BM (30°-60°)	5058.7	18.2	B4/8500		
BH (60°-80°)	7655.9	27.5	B5		G4/12000
BVH (80°-90°)	159.1	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°	2538.7	2538.7	2538.7	2538.7	2538.7	2538.7	2538.7	2538.7	2538.7	2538.7
2.5°	2522.8	2530.1	2527.2	2521.4	2521.4	2517.0	2521.4	2524.3	2528.6	2531.5
5°	2489.6	2495.4	2493.9	2489.6	2491.0	2486.7	2489.6	2493.9	2496.8	2498.2
7.5°	2460.6	2466.4	2463.5	2456.3	2456.3	2452.0	2453.4	2457.7	2462.1	2463.5
10°	2453.4	2459.2	2450.5	2438.9	2434.6	2428.8	2430.3	2434.6	2443.3	2447.6
12.5°	2456.3	2460.6	2452.0	2434.6	2430.3	2424.5	2424.5	2428.8	2440.4	2446.2
15°	2465.0	2469.3	2456.3	2437.5	2433.1	2428.8	2427.4	2433.1	2446.2	2456.3
17.5°	2480.9	2485.2	2465.0	2438.9	2433.1	2434.6	2433.1	2437.5	2457.7	2476.5
20°	2495.4	2498.2	2470.8	2438.9	2433.1	2434.6	2433.1	2441.8	2467.9	2493.9
22.5°	2499.7	2502.6	2476.5	2449.1	2444.7	2446.2	2444.7	2453.4	2478.0	2504.0
25°	2501.1	2505.5	2485.2	2463.5	2470.8	2473.7	2470.8	2472.2	2491.0	2514.2
27.5°	2522.8	2528.6	2509.8	2491.0	2495.4	2493.9	2498.2	2502.6	2517.0	2540.2
30°	2567.7	2572.0	2556.1	2537.3	2534.4	2524.3	2537.3	2551.8	2567.7	2587.9
32.5°	2641.5	2650.1	2629.9	2609.6	2596.6	2590.8	2601.0	2625.5	2647.2	2668.9
35°	2764.4	2770.2	2751.4	2713.8	2690.6	2690.6	2699.3	2731.1	2765.9	2793.3
37.5°	2938.0	2945.2	2912.0	2867.1	2832.4	2832.4	2844.0	2877.2	2929.3	2968.4
40°	3149.2	3159.3	3117.4	3071.1	3037.8	3032.0	3046.5	3084.1	3133.3	3182.5
42.5°	3403.8	3415.4	3360.4	3319.9	3293.9	3293.9	3301.1	3335.8	3380.7	3441.4
45°	3729.3	3749.5	3674.3	3633.8	3609.2	3615.0	3619.3	3649.7	3690.2	3759.7
47.5°	4117.0	4137.2	4057.7	4015.7	4011.4	4038.9	4021.5	4043.2	4064.9	4144.5
50°	4556.7	4591.4	4536.5	4533.6	4542.3	4592.9	4552.4	4564.0	4539.4	4590.0
52.5°	5094.9	5145.5	5135.4	5152.7	5249.6	5353.8	5261.2	5220.7	5128.1	5144.0
55°	5747.3	5823.9	5838.4	5942.5	6162.4	6375.1	6178.3	6014.9	5818.1	5782.0
57.5°	6489.4	6550.1	6619.5	6832.2	7243.0	7620.6	7243.0	6881.4	6571.8	6498.0
60°	7287.9	7363.1	7429.6	7743.5	8354.0	8884.9	8342.4	7768.1	7358.8	7258.9
62.5°	8145.7	8242.6	8288.9	8637.5	9349.2	9982.8	9359.4	8663.6	8209.3	8102.3
65°	8968.8	9048.4	9100.4	9472.2	10152.1	10787.1	10198.4	9512.7	9045.5	8905.1
67.5°	9352.1	9395.5	9522.8	9943.8	10661.3	11386.0	10782.8	9988.6	9466.4	9220.5
70°	8790.9	8702.6	9009.3	9683.4	10722.0	11753.5	10860.9	9663.2	9023.8	8624.5
72.5°	6793.1	6641.2	7173.6	8326.5	10027.7	11519.1	10097.1	8391.6	7504.9	6694.8
75°	3696.0	3523.9	4258.7	5716.9	7996.7	9984.3	8180.4	5880.3	4741.9	3668.5
77.5°	1043.0	977.9	1571.0	2765.9	4809.9	7010.1	4995.0	2826.6	1863.2	1105.2
80°	319.7	309.6	419.5	833.2	2042.6	3357.5	1963.0	843.4	533.8	337.1
82.5°	189.5	173.6	208.3	303.8	520.8	1054.6	506.3	316.8	254.6	170.7
85°	108.5	101.3	123.0	147.6	175.0	224.2	146.1	150.4	136.0	91.1
87.5°	44.8	40.5	47.7	46.3	40.5	52.1	39.1	46.3	55.0	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°
2538.7
2530.1
2498.2
2463.5
2447.6
2447.6
2457.7
2476.5
2495.4
2504.0
2512.7
2534.4
2583.6
2660.3
2783.2
2953.9
3166.6
3437.1
3756.8
4121.3
4559.6
5090.5
5725.6
6446.0
7172.1
8015.5
8835.7
9223.4
8720.0
6895.8
3907.2
1228.1
355.9
185.2
95.5
33.3
0.0

OF REPORT)