

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: P848374

Luminaire Tested: **GLAN-SB4D-930-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848374
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4D-930-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27219 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

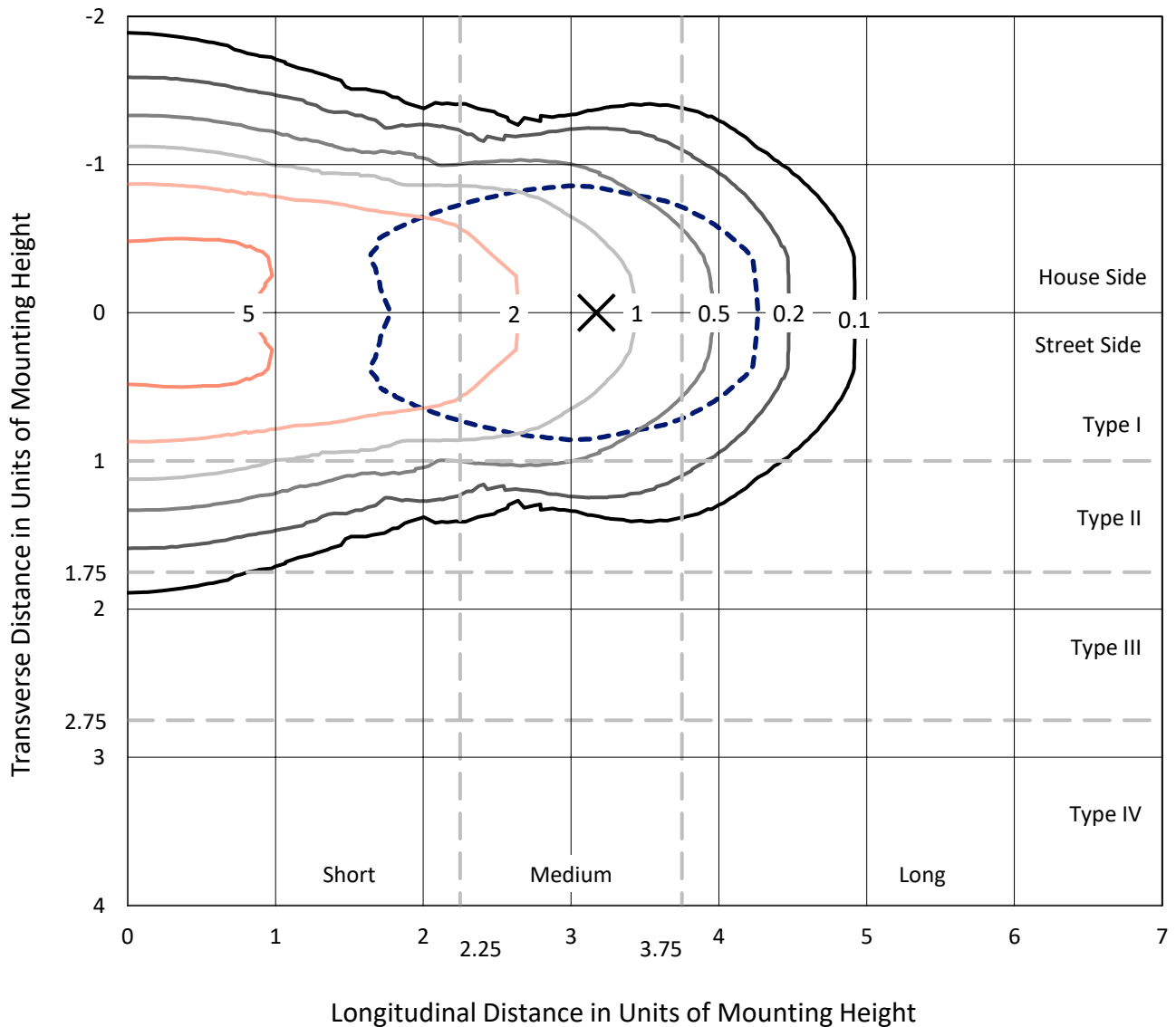
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

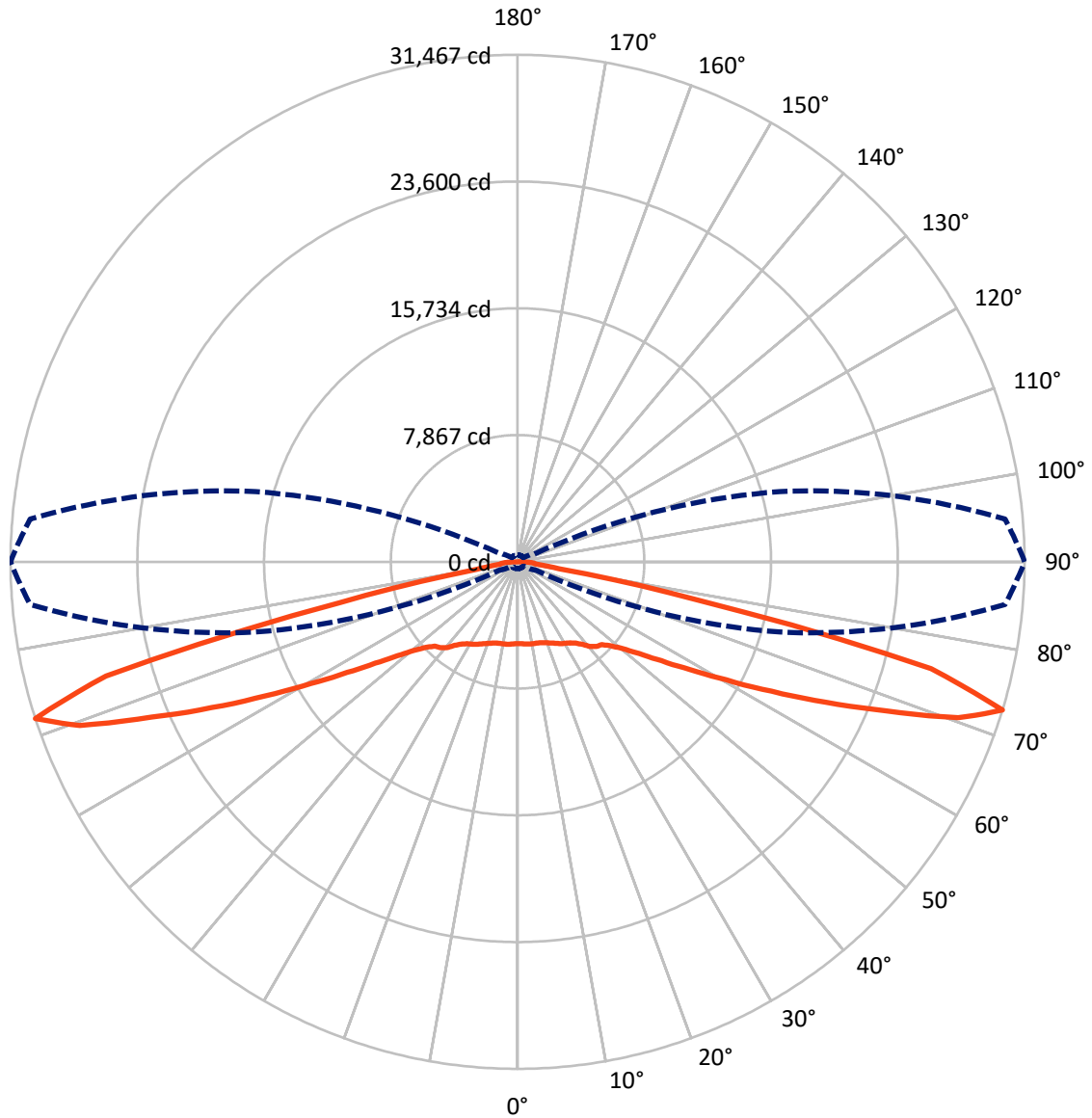
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13609.5	0.0	13609.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13609.5	0.0	13609.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27219.0	0.0	27219.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	493.2	1.8
10°-20°	1507.9	5.5
20°-30°	2514.3	9.2
30°-40°	3457.9	12.7
40°-50°	4223.1	15.5
50°-60°	4884.4	17.9
60°-70°	5823.9	21.4
70°-80°	4064.7	14.9
80°-90°	249.7	0.9
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°	27219.0	100.0
0°-180°	27219.0	100.0

Coefficient of Utilization

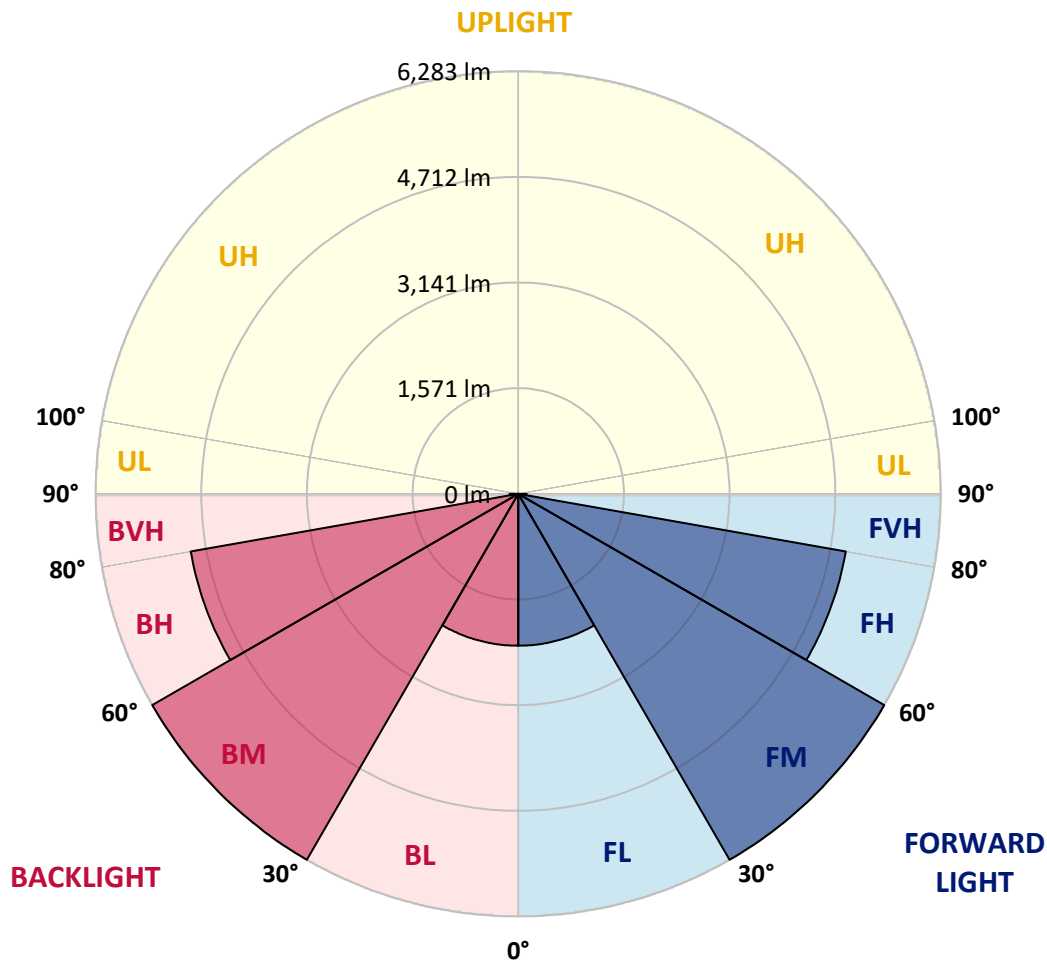


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2257.7	8.3			
FM (30°-60°)	6282.7	23.1			
FH (60°-80°)	4944.3	18.2			G2/5000
FVH (80°-90°)	124.8	0.5			G2/225
BL (0°-30°)	2257.7	8.3	B3/2500		
BM (30°-60°)	6282.7	23.1	B4/8500		
BH (60°-80°)	4944.3	18.2	B4/5000		G4/5000
BVH (80°-90°)	124.8	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5086.2	5086.2	5086.2	5086.2	5086.2	5086.2	5086.2	5086.2	5086.2	5086.2
2.5°	5090.5	5096.3	5096.3	5091.9	5102.1	5093.4	5093.4	5089.1	5093.4	5089.1
5°	5116.5	5123.8	5126.7	5125.2	5138.2	5131.0	5131.0	5125.2	5126.7	5122.3
7.5°	5165.7	5175.8	5181.6	5188.9	5207.7	5199.0	5193.2	5175.8	5168.6	5157.0
10°	5181.6	5193.2	5212.0	5249.6	5293.0	5294.5	5277.1	5233.7	5200.4	5174.4
12.5°	5132.4	5148.4	5187.4	5264.1	5361.0	5400.1	5372.6	5300.3	5235.2	5188.9
15°	5070.2	5087.6	5146.9	5262.6	5405.9	5497.0	5494.1	5398.6	5294.5	5222.1
17.5°	4973.3	4990.7	5076.0	5238.0	5440.6	5591.0	5631.5	5533.1	5387.0	5290.1
20°	4798.3	4814.2	4932.8	5159.9	5452.1	5690.8	5796.4	5709.6	5527.4	5395.7
22.5°	4571.2	4595.8	4734.6	5025.4	5424.7	5795.0	5984.5	5925.2	5690.8	5508.6
25°	4328.2	4354.2	4516.2	4860.5	5353.8	5870.2	6207.3	6169.6	5876.0	5648.9
27.5°	4118.4	4145.9	4322.4	4697.0	5243.8	5899.1	6427.1	6445.9	6100.2	5803.7
30°	3953.5	3979.5	4167.6	4565.4	5102.1	5870.2	6619.5	6749.7	6328.8	5938.2
32.5°	3772.7	3805.9	4004.1	4404.8	4934.3	5800.8	6787.3	7078.1	6593.5	6082.8
35°	3544.1	3574.5	3782.8	4184.9	4714.4	5689.4	6927.6	7442.6	6972.5	6302.7
37.5°	3266.4	3295.3	3502.2	3910.1	4496.0	5533.1	7034.7	7853.5	7423.8	6619.5
40°	2987.2	3014.7	3208.5	3603.4	4234.1	5333.5	7072.3	8255.6	7941.7	7054.9
42.5°	2731.1	2755.7	2933.7	3301.1	3940.5	5078.9	7023.1	8605.7	8406.0	7358.7
45°	2495.3	2517.0	2674.7	3017.6	3635.2	4769.4	6875.6	8981.8	8958.6	7575.7
47.5°	2226.3	2248.0	2411.4	2742.7	3330.0	4406.3	6625.3	9352.1	9726.8	8067.5
50°	1897.9	1916.7	2084.5	2425.9	3013.2	4020.0	6278.1	9642.9	10696.0	8812.5
52.5°	1508.8	1529.0	1692.5	2033.9	2637.1	3604.9	5821.0	9832.4	11815.6	9900.4
55°	1122.5	1137.0	1278.8	1585.4	2171.3	3131.8	5248.2	9885.9	13085.7	11387.4
57.5°	814.4	823.1	914.2	1142.8	1646.2	2540.2	4552.4	9747.0	14597.4	13294.0
60°	659.6	662.5	690.0	791.3	1144.2	1871.9	3711.9	9269.7	16237.8	15751.8
62.5°	598.9	598.9	606.1	633.6	773.9	1235.4	2695.0	8280.2	17996.8	18857.6
65°	556.9	556.9	559.8	572.8	610.5	786.9	1701.2	6668.7	19479.6	22495.7
67.5°	519.3	520.8	519.3	523.7	545.4	581.5	986.6	4605.9	20278.1	26265.5
70°	480.3	483.2	475.9	475.9	493.3	494.7	617.7	2525.7	19615.6	29424.8
72.5°	434.0	438.3	426.7	423.8	436.9	431.1	464.4	1212.2	16841.0	30367.9
75°	393.5	399.3	373.2	366.0	366.0	361.6	377.6	622.0	10930.3	24772.6
77.5°	357.3	368.9	326.9	303.8	298.0	285.0	308.1	380.4	4780.9	11630.5
80°	295.1	311.0	269.1	241.6	231.5	217.0	243.0	266.2	1422.0	2700.8
82.5°	219.9	227.1	190.9	172.1	163.5	153.3	182.3	185.2	462.9	956.2
85°	140.3	143.2	117.2	101.3	96.9	92.6	115.7	101.3	176.5	703.0
87.5°	49.2	56.4	44.8	40.5	43.4	36.2	53.5	30.4	49.2	496.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5086.2
5089.1
5122.3
5157.0
5170.1
5181.6
5210.6
5274.2
5371.1
5475.3
5602.6
5754.5
5867.3
5993.2
6202.9
6486.4
6913.2
7176.5
7329.8
7784.0
8456.7
9462.0
10839.2
12604.0
14882.4
17693.1
21023.1
24675.7
29006.7
31467.3
26496.9
11388.9
2586.5
1080.6
1021.3
614.8
0.0

OF REPORT)