

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: P849904

Luminaire Tested: **GLAN-SB7A-930-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849904
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-SB7A-930-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21291 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

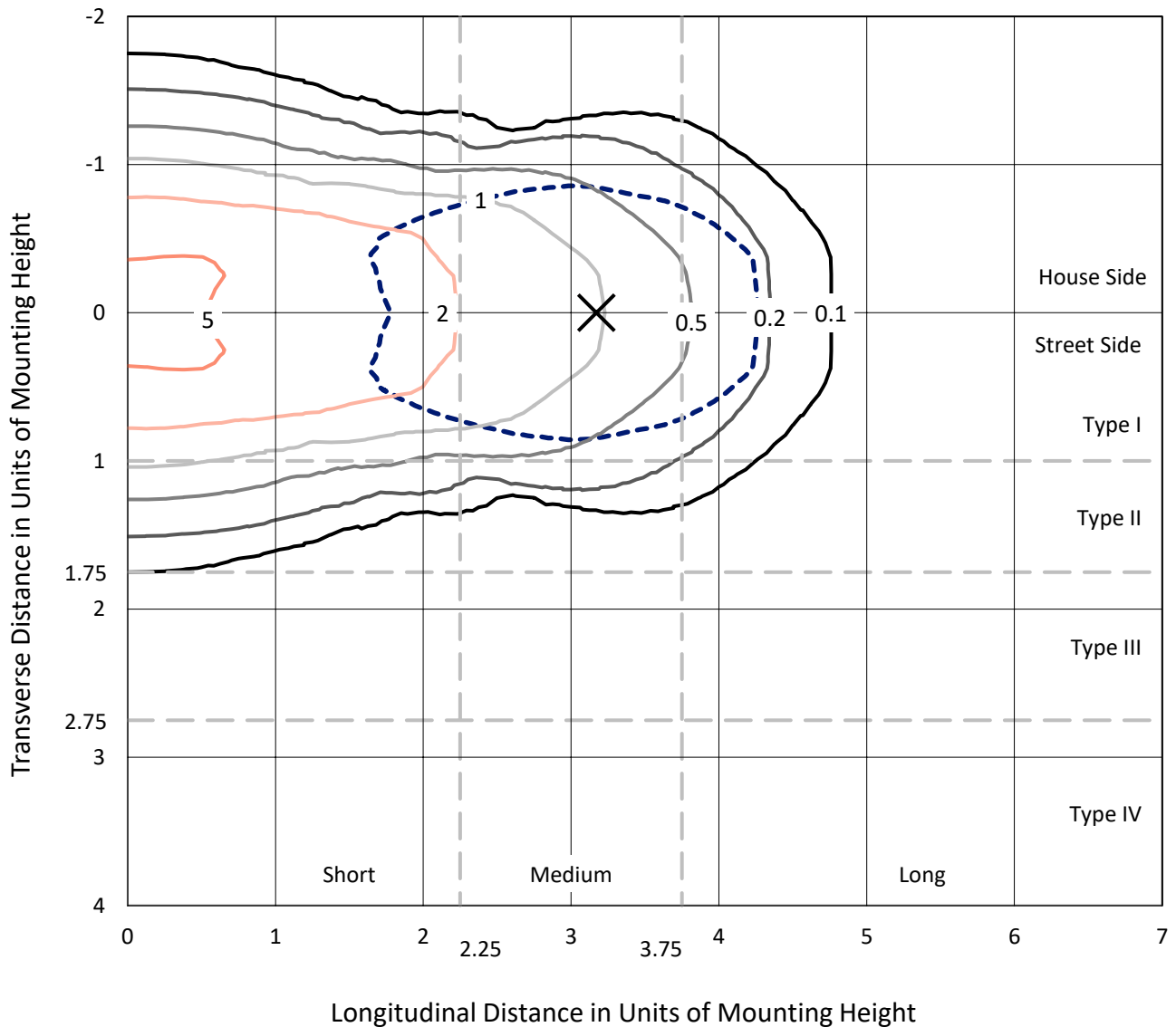
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

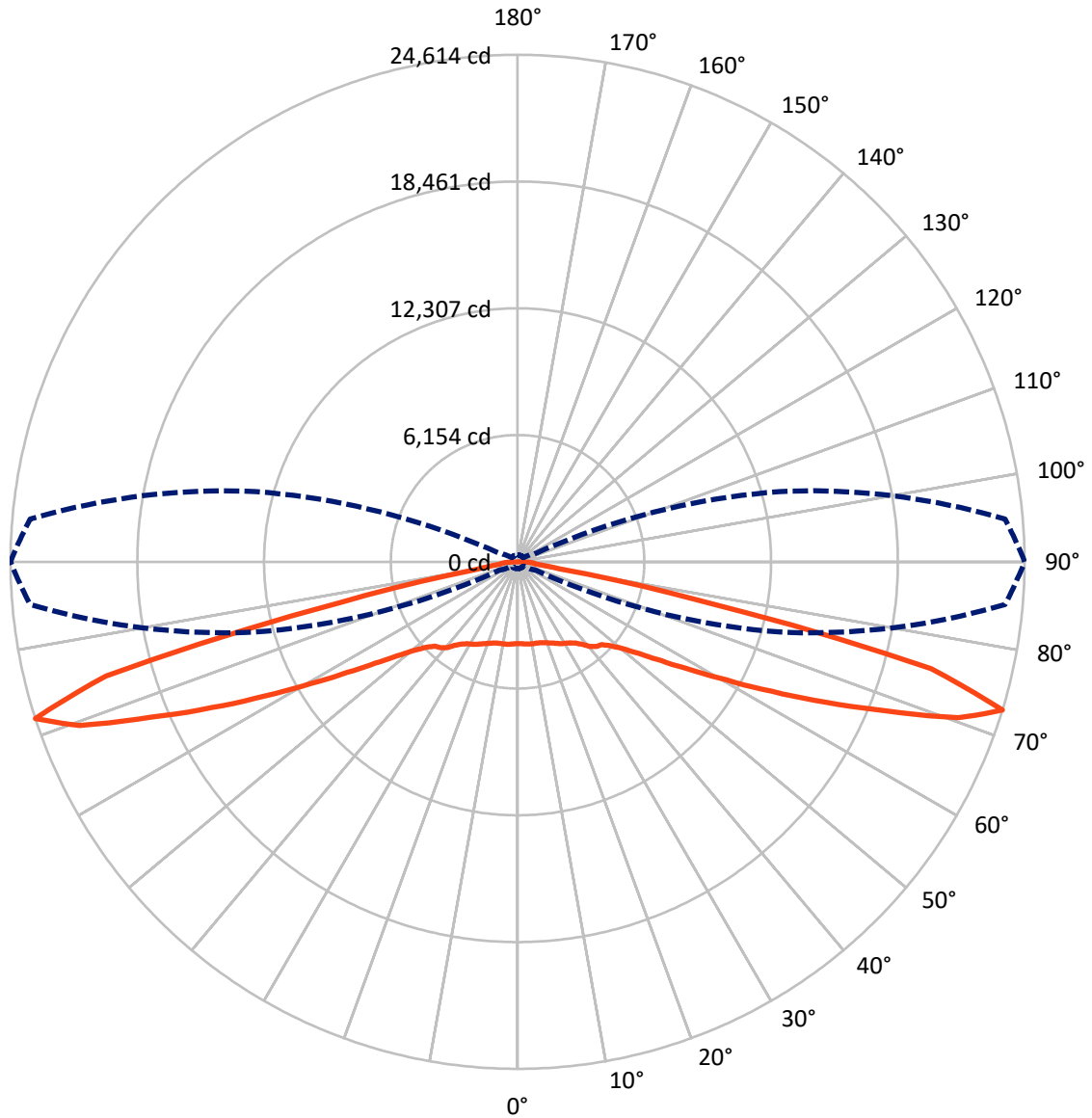
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	10645.5	0.0	10645.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10645.5	0.0	10645.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21291.0	0.0	21291.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.8	1.8
10°-20°	1179.5	5.5
20°-30°	1966.7	9.2
30°-40°	2704.8	12.7
40°-50°	3303.3	15.5
50°-60°	3820.7	17.9
60°-70°	4555.5	21.4
70°-80°	3179.4	14.9
80°-90°	195.3	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°	21291.0	100.0
0°-180°	21291.0	100.0

Coefficient of Utilization



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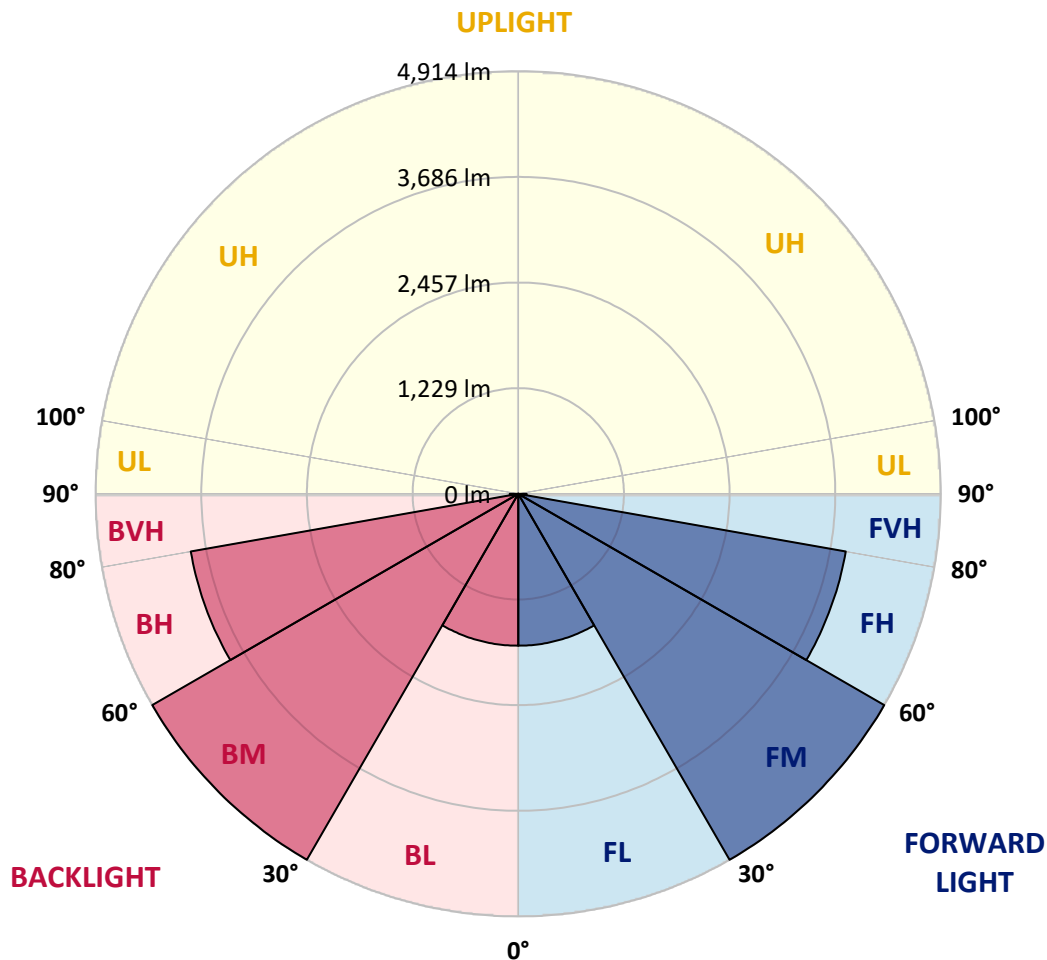
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1766.0	8.3			
FM (30°-60°)	4914.4	23.1			
FH (60°-80°)	3867.5	18.2			G2/5000
FVH (80°-90°)	97.6	0.5			G1/100
BL (0°-30°)	1766.0	8.3	B3/2500		
BM (30°-60°)	4914.4	23.1	B3/5000		
BH (60°-80°)	3867.5	18.2	B4/5000		G4/5000
BVH (80°-90°)	97.6	0.5			G1/100
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°	3978.4	3978.4	3978.4	3978.4	3978.4	3978.4	3978.4	3978.4	3978.4	3978.4
2.5°	3981.8	3986.4	3986.4	3983.0	3990.9	3984.1	3984.1	3980.7	3984.1	3980.7
5°	4002.2	4007.9	4010.1	4009.0	4019.2	4013.5	4013.5	4009.0	4010.1	4006.7
7.5°	4040.7	4048.6	4053.1	4058.8	4073.5	4066.7	4062.2	4048.6	4042.9	4033.9
10°	4053.1	4062.2	4076.9	4106.3	4140.3	4141.4	4127.8	4093.9	4067.8	4047.5
12.5°	4014.7	4027.1	4057.7	4117.6	4193.4	4224.0	4202.5	4145.9	4095.0	4058.8
15°	3966.0	3979.6	4026.0	4116.5	4228.5	4299.8	4297.5	4222.9	4141.4	4084.8
17.5°	3890.2	3903.8	3970.5	4097.3	4255.7	4373.4	4405.0	4328.1	4213.8	4138.0
20°	3753.3	3765.7	3858.5	4036.2	4264.7	4451.4	4534.0	4466.1	4323.6	4220.6
22.5°	3575.6	3594.9	3703.5	3930.9	4243.2	4532.9	4681.1	4634.7	4451.4	4308.9
25°	3385.5	3405.9	3532.6	3801.9	4187.8	4591.7	4855.4	4826.0	4596.3	4418.6
27.5°	3221.5	3243.0	3381.0	3674.1	4101.8	4614.4	5027.4	5042.1	4771.6	4539.7
30°	3092.5	3112.8	3259.9	3571.1	3990.9	4591.7	5177.9	5279.7	4950.4	4644.9
32.5°	2951.0	2977.0	3132.1	3445.5	3859.6	4537.4	5309.1	5536.6	5157.5	4758.1
35°	2772.2	2796.0	2958.9	3273.5	3687.6	4450.3	5418.9	5821.7	5454.0	4930.1
37.5°	2555.0	2577.6	2739.4	3058.5	3516.8	4328.1	5502.6	6143.1	5807.0	5177.9
40°	2336.6	2358.1	2509.7	2818.6	3312.0	4171.9	5532.0	6457.6	6212.1	5518.5
42.5°	2136.3	2155.6	2294.7	2582.1	3082.3	3972.8	5493.6	6731.5	6575.3	5756.1
45°	1951.9	1968.9	2092.2	2360.4	2843.5	3730.6	5378.1	7025.6	7007.5	5925.8
47.5°	1741.4	1758.4	1886.3	2145.4	2604.8	3446.6	5182.4	7315.3	7608.4	6310.5
50°	1484.6	1499.3	1630.5	1897.6	2357.0	3144.5	4910.8	7542.8	8366.5	6893.3
52.5°	1180.2	1196.0	1323.9	1590.9	2062.8	2819.8	4553.3	7691.0	9242.3	7744.2
55°	878.1	889.4	1000.3	1240.2	1698.4	2449.8	4105.2	7732.9	10235.8	8907.4
57.5°	637.0	643.8	715.1	893.9	1287.7	1987.0	3560.9	7624.2	11418.2	10398.7
60°	516.0	518.2	539.7	618.9	895.0	1464.2	2903.5	7250.8	12701.4	12321.2
62.5°	468.5	468.5	474.1	495.6	605.4	966.3	2108.0	6476.9	14077.3	14750.6
65°	435.6	435.6	437.9	448.1	477.5	615.6	1330.7	5216.3	15237.1	17596.4
67.5°	406.2	407.3	406.2	409.6	426.6	454.9	771.7	3602.8	15861.7	20545.1
70°	375.7	377.9	372.3	372.3	385.9	387.0	483.2	1975.6	15343.5	23016.4
72.5°	339.5	342.9	333.8	331.5	341.7	337.2	363.2	948.2	13173.2	23754.1
75°	307.8	312.3	291.9	286.3	286.3	282.9	295.3	486.6	8549.8	19377.4
77.5°	279.5	288.5	255.7	237.6	233.1	222.9	241.0	297.6	3739.7	9097.5
80°	230.8	243.3	210.5	189.0	181.0	169.7	190.1	208.2	1112.3	2112.6
82.5°	172.0	177.6	149.4	134.7	127.9	119.9	142.6	144.8	362.1	747.9
85°	109.8	112.0	91.7	79.2	75.8	72.4	90.5	79.2	138.0	549.9
87.5°	38.5	44.1	35.1	31.7	33.9	28.3	41.9	23.8	38.5	388.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3978.4
3980.7
4006.7
4033.9
4044.1
4053.1
4075.8
4125.5
4201.4
4282.8
4382.4
4501.2
4589.5
4687.9
4852.0
5073.8
5407.6
5613.5
5733.4
6088.7
6614.9
7401.3
8478.5
9859.0
11641.1
13839.7
16444.5
19301.6
22689.4
24614.1
20726.2
8908.5
2023.2
845.3
798.9
480.9
0.0

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