

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: P849104

Luminaire Tested: **GLAN-SB6A-727-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849104
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-SB6A-727-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23931 lumens
Efficiency: N/A
Efficacy: 140.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

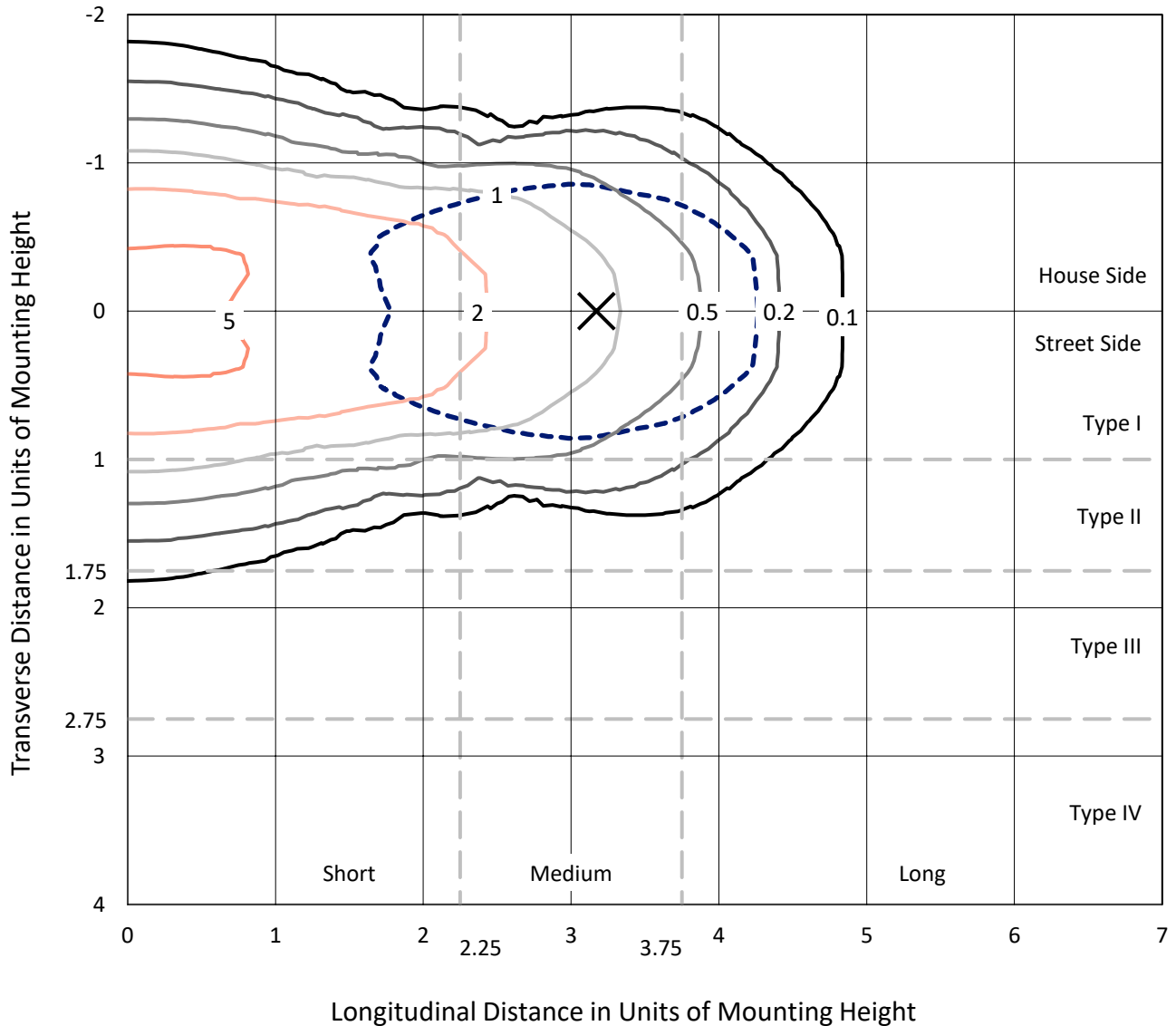
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

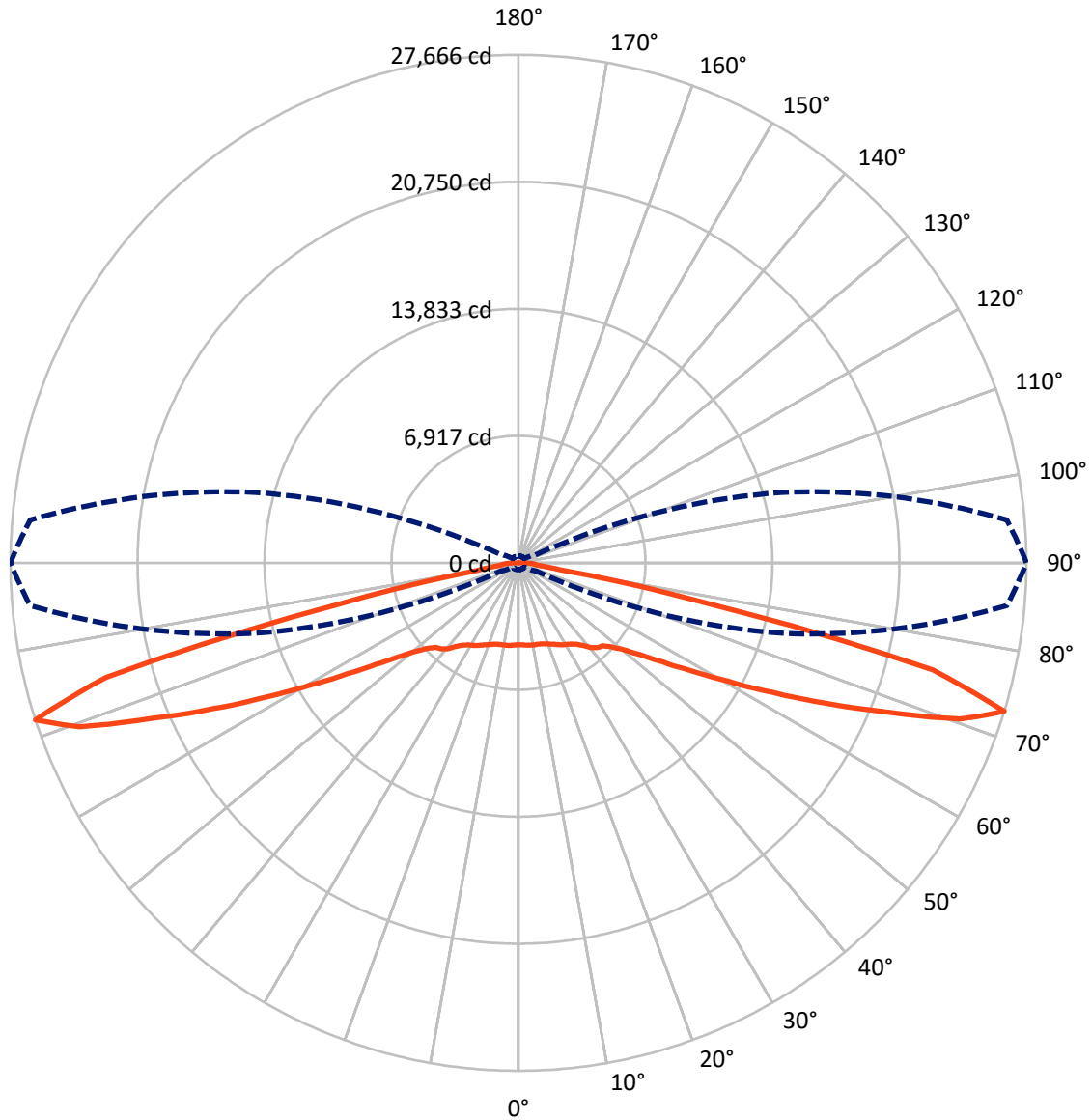
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 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	11965.5	0.0	11965.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11965.5	0.0	11965.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23931.0	0.0	23931.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.6	1.8
10°-20°	1325.7	5.5
20°-30°	2210.6	9.2
30°-40°	3040.2	12.7
40°-50°	3712.9	15.5
50°-60°	4294.4	17.9
60°-70°	5120.4	21.4
70°-80°	3573.7	14.9
80°-90°	219.5	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°	23931.0	100.0
0°-180°	23931.0	100.0

Coefficient of Utilization

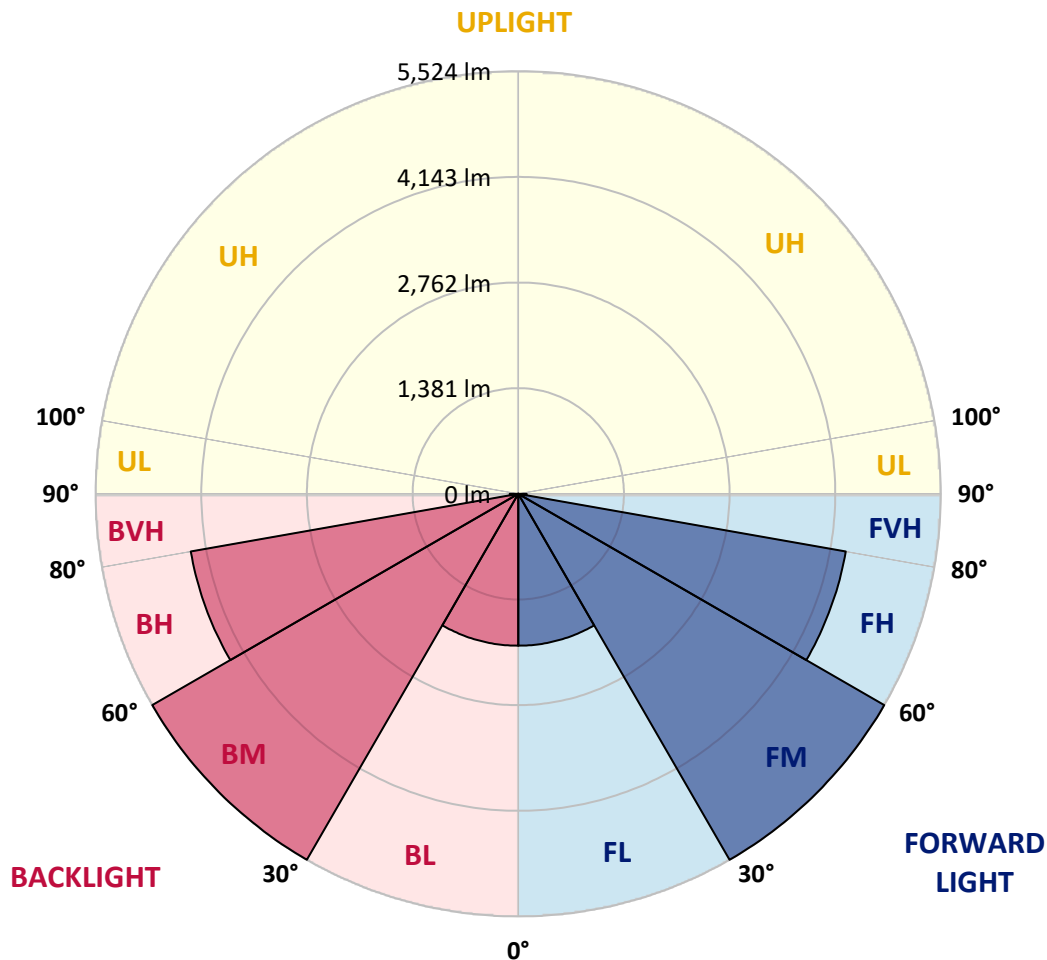


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1985.0	8.3			
FM (30°-60°)	5523.8	23.1			
FH (60°-80°)	4347.0	18.2			G2/5000
FVH (80°-90°)	109.7	0.5			G2/225
BL (0°-30°)	1985.0	8.3	B3/2500		
BM (30°-60°)	5523.8	23.1	B4/8500		
BH (60°-80°)	4347.0	18.2	B4/5000		G4/5000
BVH (80°-90°)	109.7	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°	4471.8	4471.8	4471.8	4471.8	4471.8	4471.8	4471.8	4471.8	4471.8	4471.8
2.5°	4475.6	4480.7	4480.7	4476.8	4485.8	4478.1	4478.1	4474.3	4478.1	4474.3
5°	4498.5	4504.8	4507.4	4506.1	4517.5	4511.2	4511.2	4506.1	4507.4	4503.6
7.5°	4541.7	4550.6	4555.7	4562.1	4578.6	4571.0	4565.9	4550.6	4544.3	4534.1
10°	4555.7	4565.9	4582.4	4615.5	4653.6	4654.9	4639.6	4601.5	4572.2	4549.3
12.5°	4512.5	4526.4	4560.8	4628.2	4713.4	4747.7	4723.6	4660.0	4602.8	4562.1
15°	4457.8	4473.0	4525.2	4626.9	4752.8	4833.0	4830.4	4746.5	4654.9	4591.3
17.5°	4372.6	4387.8	4462.9	4605.3	4783.4	4915.6	4951.2	4864.8	4736.3	4651.1
20°	4218.7	4232.7	4336.9	4536.6	4793.5	5003.4	5096.2	5019.9	4859.7	4743.9
22.5°	4019.0	4040.6	4162.7	4418.3	4769.4	5095.0	5261.6	5209.4	5003.4	4843.1
25°	3805.3	3828.2	3970.7	4273.4	4707.0	5161.1	5457.4	5424.4	5166.2	4966.5
27.5°	3620.9	3645.1	3800.2	4129.6	4610.4	5186.5	5650.7	5667.3	5363.3	5102.6
30°	3475.9	3498.8	3664.1	4013.9	4485.8	5161.1	5819.9	5934.4	5564.3	5220.9
32.5°	3316.9	3346.2	3520.4	3872.7	4338.2	5100.0	5967.4	6223.1	5797.0	5348.1
35°	3116.0	3142.7	3325.8	3679.4	4144.9	5002.1	6090.8	6543.6	6130.2	5541.4
37.5°	2871.8	2897.2	3079.1	3437.8	3952.9	4864.8	6184.9	6904.8	6527.0	5819.9
40°	2626.3	2650.5	2820.9	3168.1	3722.7	4689.2	6218.0	7258.3	6982.4	6202.7
42.5°	2401.2	2422.8	2579.3	2902.3	3464.5	4465.4	6174.7	7566.1	7390.6	6469.8
45°	2193.9	2213.0	2351.6	2653.0	3196.1	4193.2	6045.0	7896.8	7876.5	6660.6
47.5°	1957.3	1976.4	2120.1	2411.4	2927.8	3874.0	5825.0	8222.4	8551.8	7093.0
50°	1668.6	1685.2	1832.7	2132.9	2649.2	3534.4	5519.7	8478.0	9403.9	7748.0
52.5°	1326.5	1344.3	1488.0	1788.2	2318.5	3169.4	5117.9	8644.6	10388.3	8704.4
55°	986.9	999.7	1124.3	1393.9	1909.0	2753.5	4614.2	8691.7	11505.0	10011.9
57.5°	716.0	723.7	803.8	1004.7	1447.3	2233.3	4002.5	8569.6	12834.1	11688.1
60°	580.0	582.5	606.7	695.7	1006.0	1645.8	3263.5	8149.9	14276.3	13849.0
62.5°	526.5	526.5	532.9	557.1	680.4	1086.1	2369.4	7280.0	15822.9	16579.6
65°	489.7	489.7	492.2	503.6	536.7	691.9	1495.7	5863.1	17126.5	19778.3
67.5°	456.6	457.9	456.6	460.4	479.5	511.3	867.4	4049.5	17828.5	23092.6
70°	422.2	424.8	418.4	418.4	433.7	435.0	543.1	2220.6	17246.0	25870.3
72.5°	381.5	385.4	375.2	372.6	384.1	379.0	408.3	1065.8	14806.7	26699.6
75°	345.9	351.0	328.1	321.8	321.8	318.0	331.9	546.9	9610.0	21780.1
77.5°	314.1	324.3	287.4	267.1	262.0	250.6	270.9	334.5	4203.4	10225.5
80°	259.5	273.4	236.6	212.4	203.5	190.8	213.7	234.0	1250.2	2374.5
82.5°	193.3	199.7	167.9	151.3	143.7	134.8	160.3	162.8	407.0	840.7
85°	123.4	125.9	103.0	89.0	85.2	81.4	101.7	89.0	155.2	618.1
87.5°	43.2	49.6	39.4	35.6	38.2	31.8	47.1	26.7	43.2	436.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4471.8
4474.3
4503.6
4534.1
4545.5
4555.7
4581.1
4637.1
4722.3
4813.9
4925.8
5059.3
5158.5
5269.2
5453.6
5702.9
6078.1
6309.6
6444.4
6843.7
7435.1
8319.1
9529.8
11081.5
13084.6
15555.8
18483.5
21694.9
25502.8
27666.2
23296.1
10013.1
2274.0
950.1
897.9
540.5
0.0

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