

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: P849204

Luminaire Tested: **GLAN-SB6A-850-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849204
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-850-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23106 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

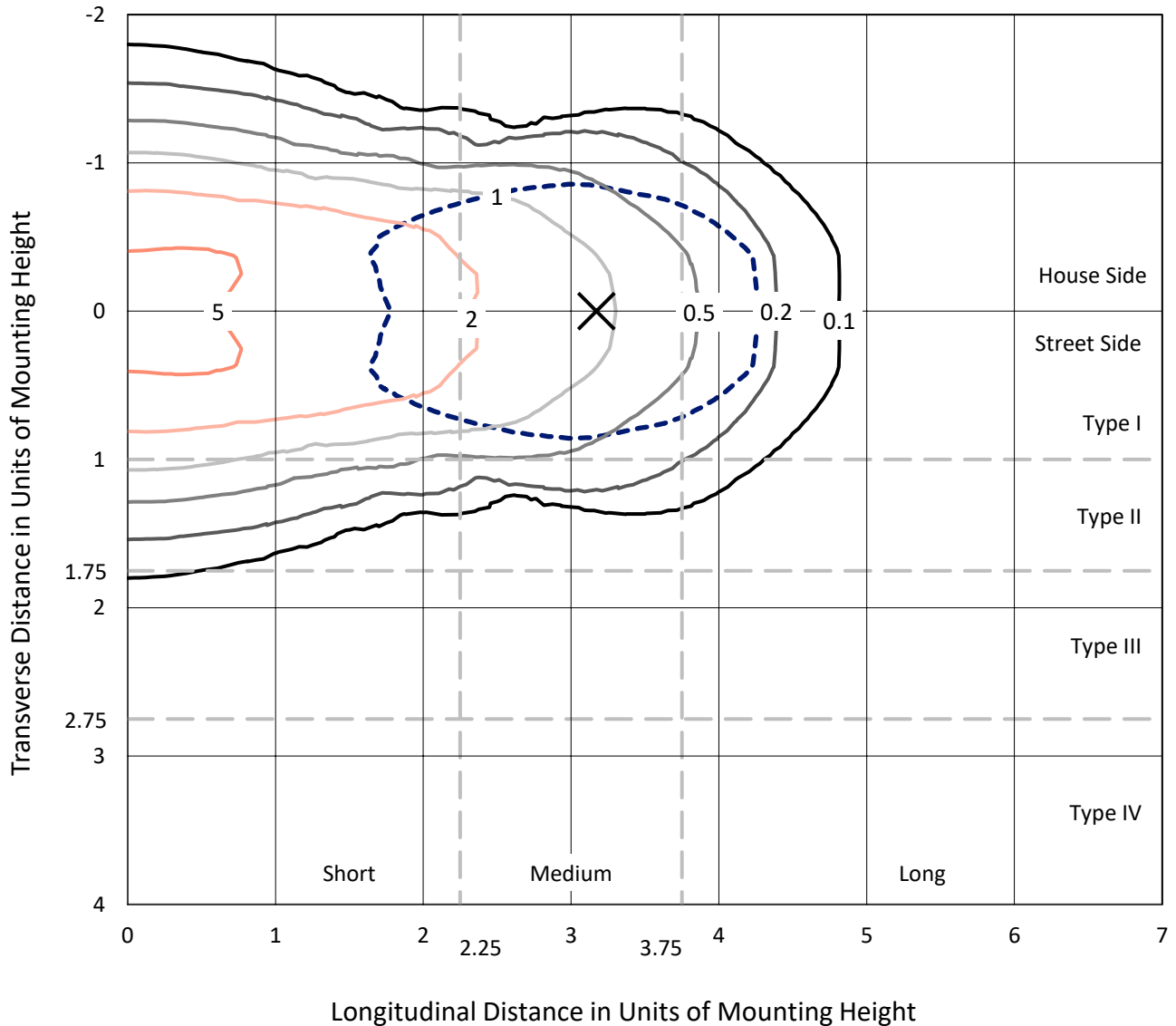
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

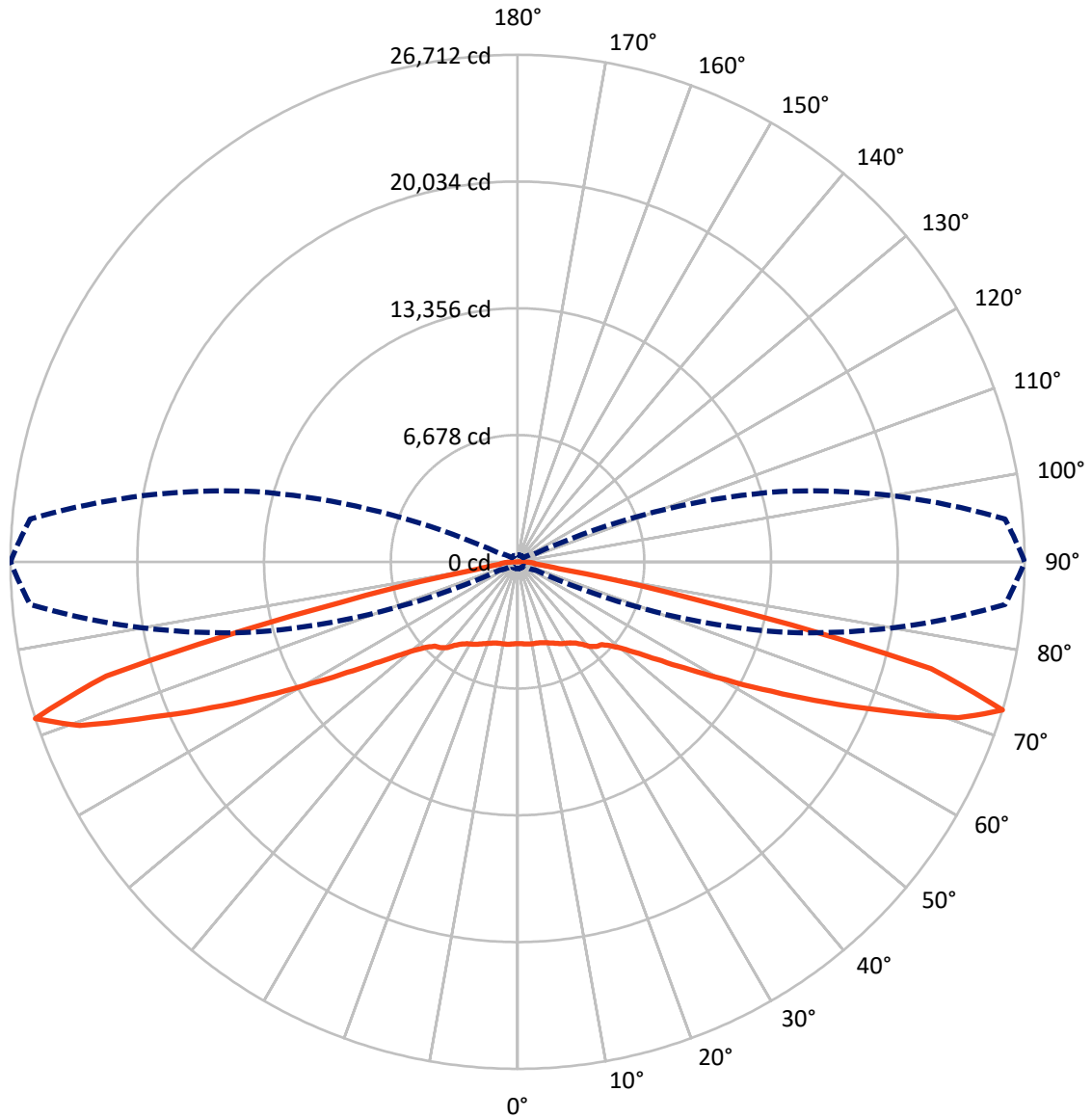
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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	11553.0	0.0	11553.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11553.0	0.0	11553.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23106.0	0.0	23106.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	418.6	1.8
10°-20°	1280.0	5.5
20°-30°	2134.4	9.2
30°-40°	2935.4	12.7
40°-50°	3584.9	15.5
50°-60°	4146.3	17.9
60°-70°	4943.8	21.4
70°-80°	3450.5	14.9
80°-90°	211.9	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°	23106.0	100.0
0°-180°	23106.0	100.0

Coefficient of Utilization



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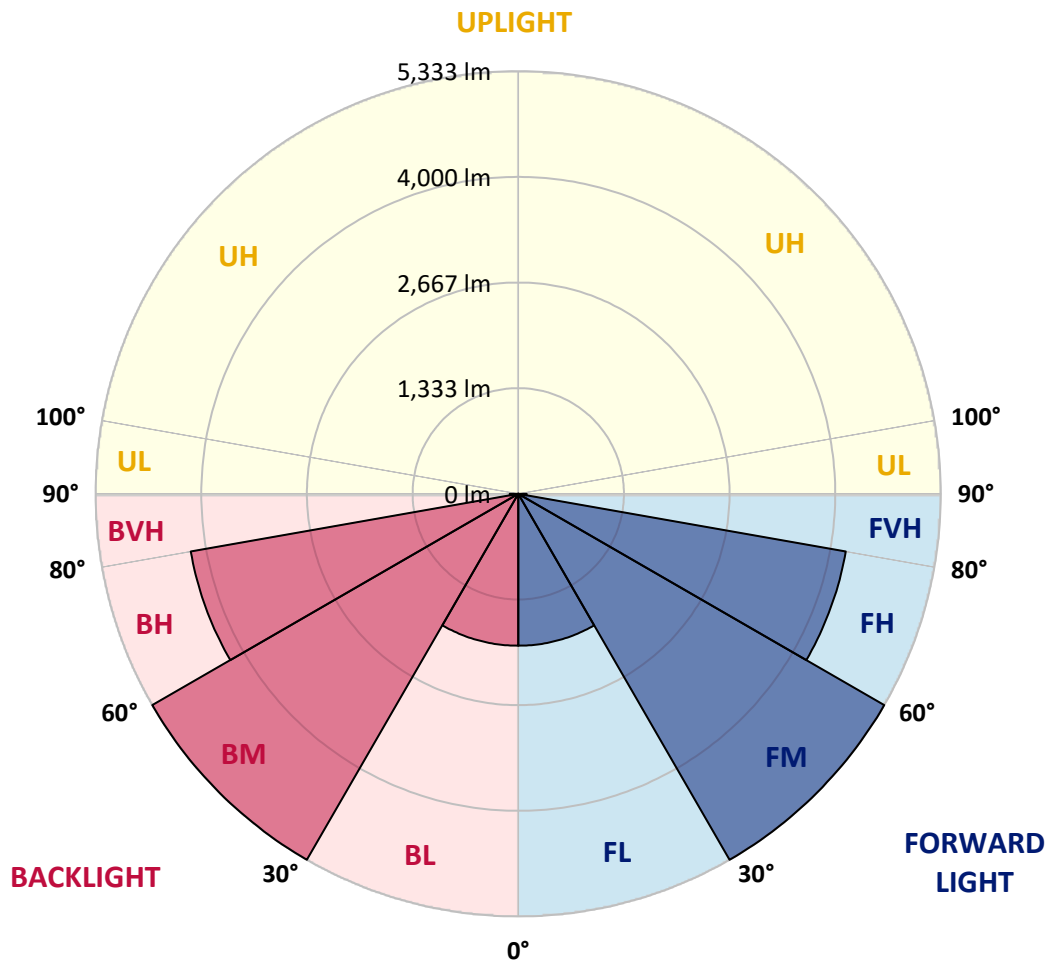
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1916.5	8.3			
FM (30°-60°)	5333.3	23.1			
FH (60°-80°)	4197.2	18.2			G2/5000
FVH (80°-90°)	106.0	0.5			G2/225
BL (0°-30°)	1916.5	8.3	B3/2500		
BM (30°-60°)	5333.3	23.1	B4/8500		
BH (60°-80°)	4197.2	18.2	B4/5000		G4/5000
BVH (80°-90°)	106.0	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°	4317.6	4317.6	4317.6	4317.6	4317.6	4317.6	4317.6	4317.6	4317.6	4317.6
2.5°	4321.3	4326.2	4326.2	4322.5	4331.1	4323.7	4323.7	4320.1	4323.7	4320.1
5°	4343.4	4349.5	4352.0	4350.8	4361.8	4355.7	4355.7	4350.8	4352.0	4348.3
7.5°	4385.1	4393.7	4398.6	4404.8	4420.8	4413.4	4408.5	4393.7	4387.6	4377.8
10°	4398.6	4408.5	4424.4	4456.4	4493.2	4494.4	4479.7	4442.9	4414.6	4392.5
12.5°	4356.9	4370.4	4403.6	4468.6	4550.9	4584.1	4560.7	4499.3	4444.1	4404.8
15°	4304.1	4318.8	4369.2	4467.4	4589.0	4666.3	4663.9	4582.8	4494.4	4433.0
17.5°	4221.8	4236.6	4309.0	4446.5	4618.5	4746.2	4780.6	4697.0	4573.0	4490.7
20°	4073.2	4086.7	4187.4	4380.2	4628.3	4830.9	4920.5	4846.9	4692.1	4580.4
22.5°	3880.4	3901.3	4019.2	4266.0	4604.9	4919.3	5080.2	5029.8	4830.9	4676.2
25°	3674.1	3696.2	3833.8	4126.0	4544.8	4983.2	5269.3	5237.4	4988.1	4795.3
27.5°	3496.1	3519.4	3669.2	3987.3	4451.5	5007.7	5455.9	5471.9	5178.4	4926.7
30°	3356.1	3378.2	3537.8	3875.5	4331.1	4983.2	5619.3	5729.8	5372.4	5040.9
32.5°	3202.6	3230.8	3399.1	3739.2	4188.7	4924.2	5761.7	6008.5	5597.2	5163.7
35°	3008.6	3034.4	3211.2	3552.6	4002.0	4829.7	5880.8	6318.0	5918.9	5350.3
37.5°	2772.8	2797.4	2973.0	3319.2	3816.6	4697.0	5971.7	6666.7	6302.0	5619.3
40°	2535.8	2559.1	2723.7	3058.9	3594.3	4527.6	6003.6	7008.1	6741.6	5988.9
42.5°	2318.4	2339.3	2490.4	2802.3	3345.0	4311.5	5961.9	7305.3	7135.8	6246.8
45°	2118.3	2136.7	2270.5	2561.6	3085.9	4048.7	5836.6	7624.6	7604.9	6431.0
47.5°	1889.9	1908.3	2047.1	2328.3	2826.8	3740.4	5624.2	7938.9	8257.0	6848.5
50°	1611.1	1627.1	1769.5	2059.3	2557.9	3412.6	5329.5	8185.8	9079.7	7480.9
52.5°	1280.8	1298.0	1436.7	1726.5	2238.6	3060.1	4941.4	8346.6	10030.2	8404.3
55°	952.9	965.2	1085.5	1345.9	1843.2	2658.6	4455.1	8392.1	11108.4	9666.7
57.5°	691.4	698.7	776.1	970.1	1397.4	2156.3	3864.5	8274.2	12391.6	11285.2
60°	560.0	562.4	585.7	671.7	971.3	1589.0	3151.0	7868.9	13784.1	13371.5
62.5°	508.4	508.4	514.5	537.9	657.0	1048.7	2287.7	7029.0	15277.4	16008.0
65°	472.8	472.8	475.2	486.3	518.2	668.0	1444.1	5661.0	16536.1	19096.4
67.5°	440.8	442.1	440.8	444.5	463.0	493.7	837.5	3909.9	17213.9	22296.5
70°	407.7	410.1	404.0	404.0	418.7	420.0	524.4	2144.1	16651.5	24978.5
72.5°	368.4	372.1	362.3	359.8	370.9	365.9	394.2	1029.1	14296.2	25779.1
75°	334.0	338.9	316.8	310.7	310.7	307.0	320.5	528.0	9278.7	21029.3
77.5°	303.3	313.1	277.5	257.9	253.0	241.9	261.6	323.0	4058.5	9873.0
80°	250.5	264.0	228.4	205.1	196.5	184.2	206.3	225.9	1207.1	2292.7
82.5°	186.7	192.8	162.1	146.1	138.8	130.2	154.7	157.2	393.0	811.7
85°	119.1	121.6	99.5	86.0	82.3	78.6	98.2	86.0	149.8	596.8
87.5°	41.8	47.9	38.1	34.4	36.8	30.7	45.4	25.8	41.8	421.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4317.6
4320.1
4348.3
4377.8
4388.8
4398.6
4423.2
4477.2
4559.5
4647.9
4756.0
4884.9
4980.7
5087.5
5265.6
5506.3
5868.5
6092.0
6222.2
6607.8
7178.8
8032.3
9201.3
10699.4
12633.5
15019.5
17846.3
20947.0
24623.6
26712.4
22493.0
9667.9
2195.6
917.3
867.0
521.9
0.0

OF REPORT)