

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: P848444

Luminaire Tested: **GLAN-SB5A-735-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848444
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-SB5A-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21997 lumens
Efficiency: N/A
Efficacy: 155.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

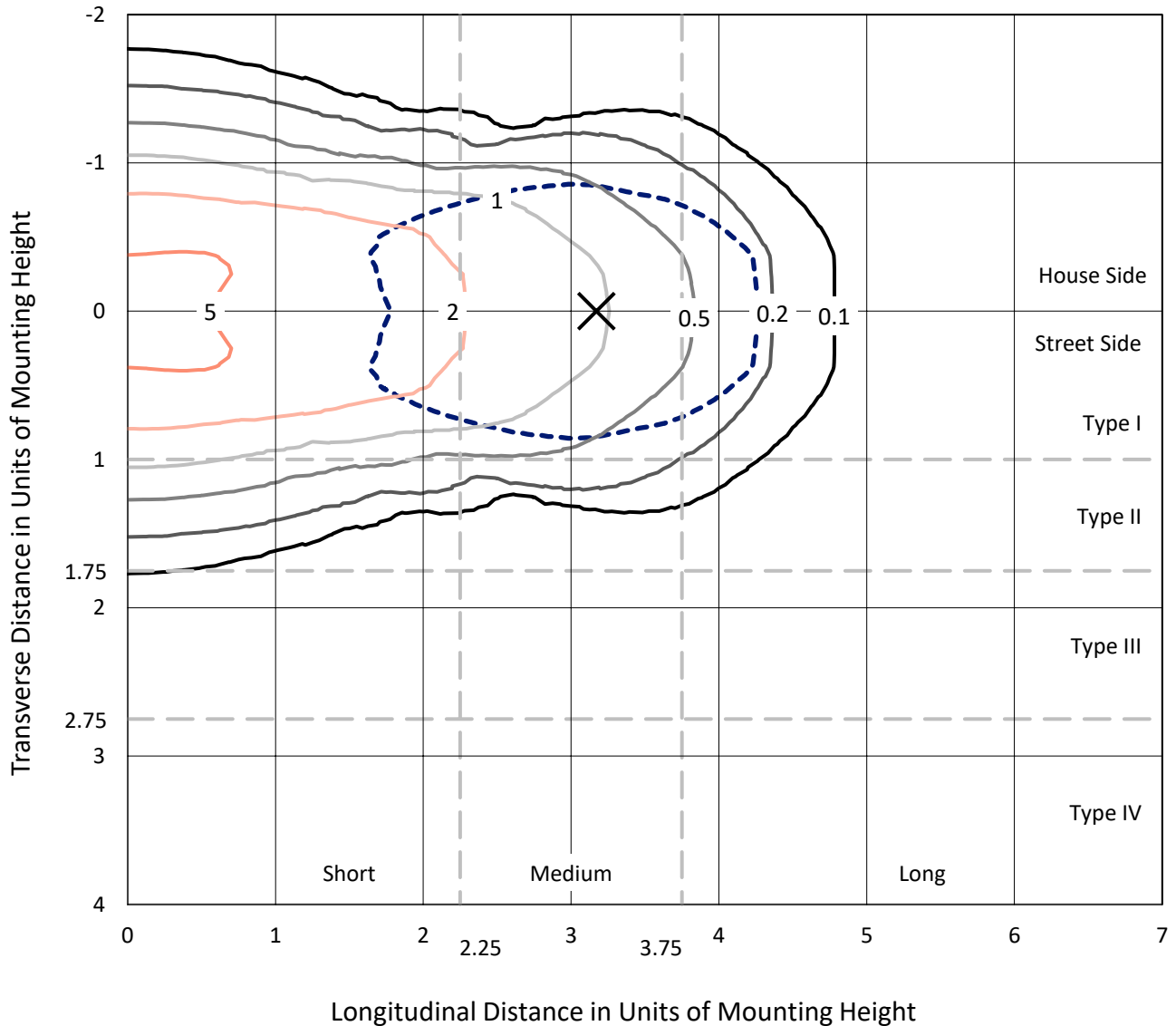
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

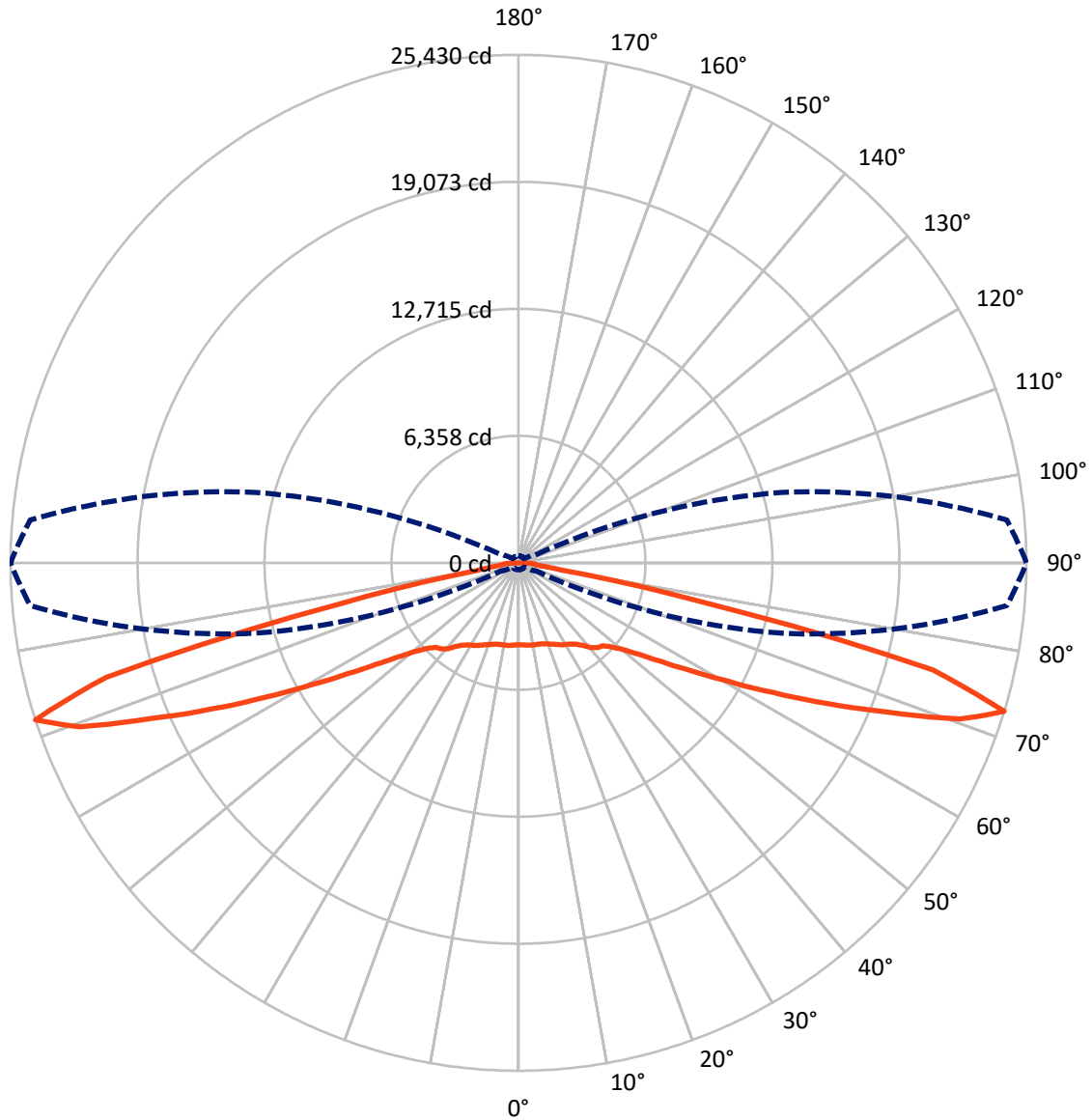
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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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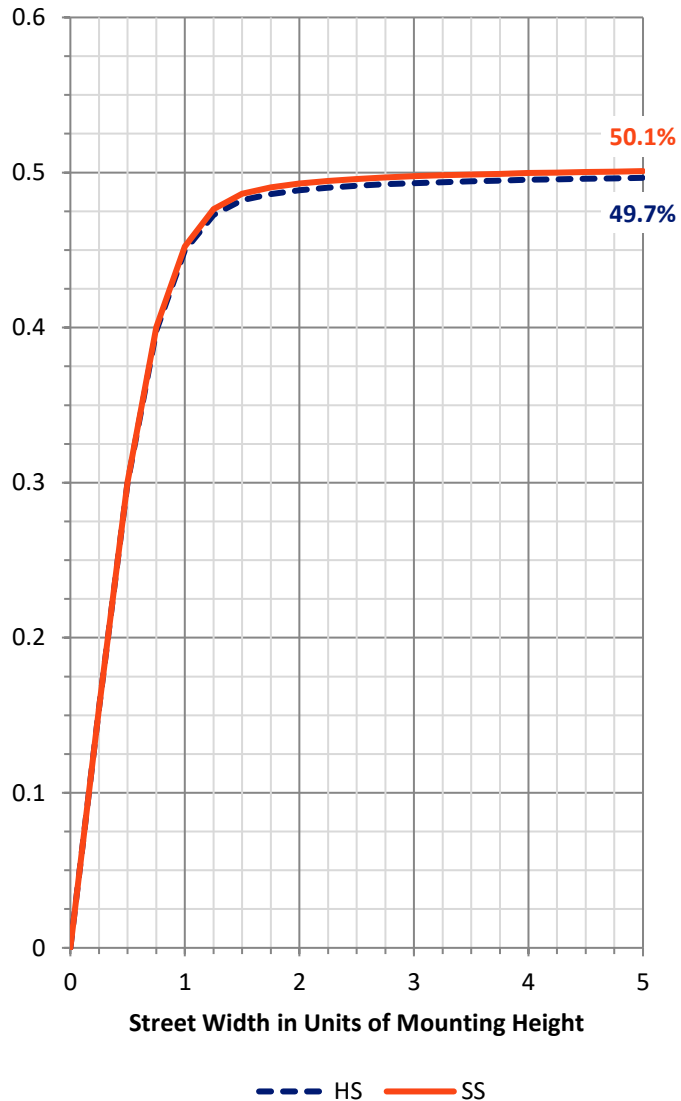
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10998.5	0.0	10998.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10998.5	0.0	10998.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21997.0	0.0	21997.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.6	1.8
10°-20°	1218.6	5.5
20°-30°	2031.9	9.2
30°-40°	2794.5	12.7
40°-50°	3412.9	15.5
50°-60°	3947.3	17.9
60°-70°	4706.6	21.4
70°-80°	3284.9	14.9
80°-90°	201.7	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°	21997.0	100.0
0°-180°	21997.0	100.0

Coefficient of Utilization



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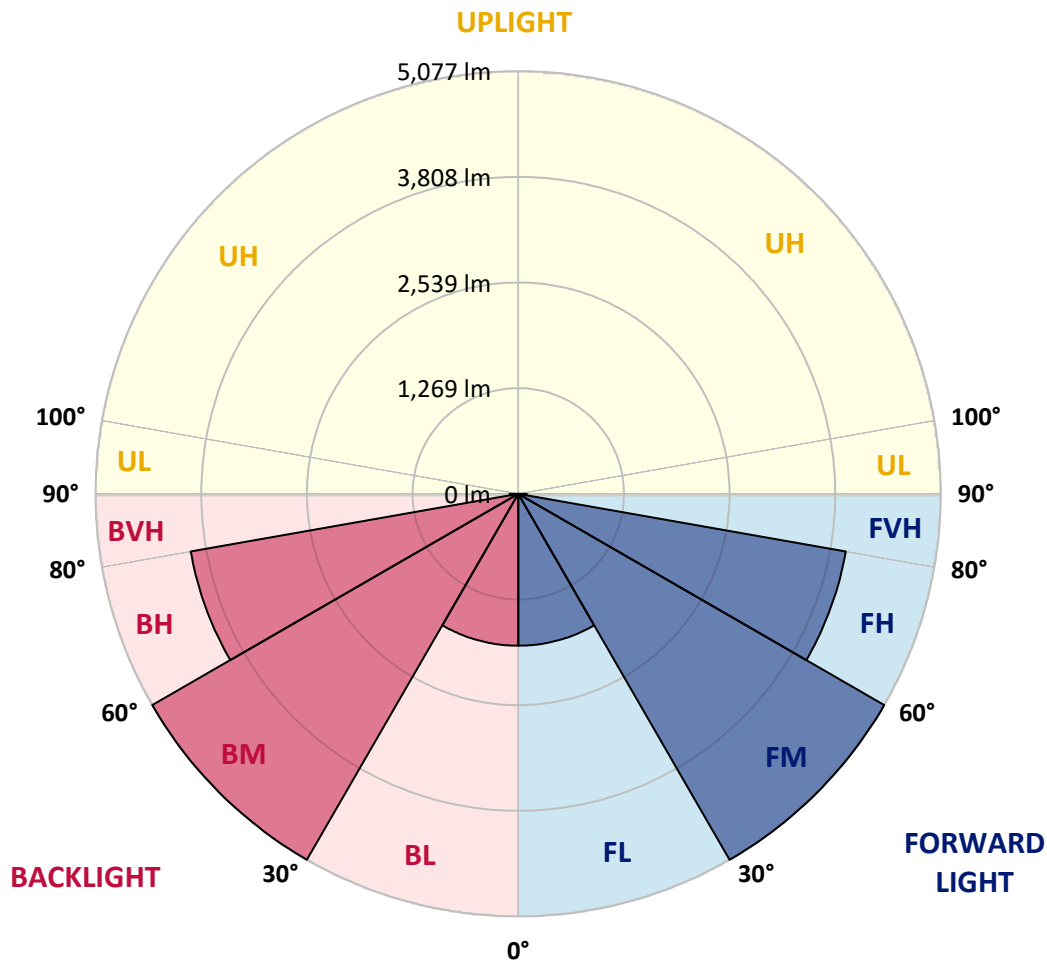
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1824.5	8.3			
FM (30°-60°)	5077.4	23.1			
FH (60°-80°)	3995.7	18.2			G2/5000
FVH (80°-90°)	100.9	0.5			G2/225
BL (0°-30°)	1824.5	8.3	B3/2500		
BM (30°-60°)	5077.4	23.1	B4/8500		
BH (60°-80°)	3995.7	18.2	B4/5000		G4/5000
BVH (80°-90°)	100.9	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°	4110.4	4110.4	4110.4	4110.4	4110.4	4110.4	4110.4	4110.4	4110.4	4110.4
2.5°	4113.9	4118.6	4118.6	4115.0	4123.2	4116.2	4116.2	4112.7	4116.2	4112.7
5°	4134.9	4140.8	4143.1	4141.9	4152.5	4146.6	4146.6	4141.9	4143.1	4139.6
7.5°	4174.7	4182.9	4187.5	4193.4	4208.6	4201.6	4196.9	4182.9	4177.0	4167.7
10°	4187.5	4196.9	4212.1	4242.5	4277.5	4278.7	4264.7	4229.6	4202.7	4181.7
12.5°	4147.8	4160.6	4192.2	4254.2	4332.5	4364.1	4341.8	4283.4	4230.8	4193.4
15°	4097.5	4111.5	4159.5	4253.0	4368.7	4442.4	4440.0	4362.9	4278.7	4220.3
17.5°	4019.2	4033.2	4102.2	4233.1	4396.8	4518.4	4551.1	4471.6	4353.5	4275.2
20°	3877.7	3890.6	3986.5	4170.0	4406.1	4599.0	4684.4	4614.2	4466.9	4360.5
22.5°	3694.2	3714.1	3826.3	4061.3	4383.9	4683.2	4836.4	4788.4	4599.0	4451.7
25°	3497.8	3518.8	3649.8	3928.0	4326.6	4744.0	5016.4	4986.0	4748.7	4565.1
27.5°	3328.3	3350.5	3493.1	3795.9	4237.8	4767.4	5194.1	5209.3	4929.9	4690.2
30°	3195.0	3216.1	3368.0	3689.5	4123.2	4744.0	5349.6	5454.8	5114.6	4798.9
32.5°	3048.9	3075.8	3235.9	3559.8	3987.6	4687.9	5485.2	5720.2	5328.5	4915.8
35°	2864.2	2888.7	3057.1	3382.1	3809.9	4597.9	5598.6	6014.8	5634.8	5093.5
37.5°	2639.7	2663.1	2830.3	3159.9	3633.4	4471.6	5685.1	6346.8	5999.6	5349.6
40°	2414.1	2436.3	2592.9	2912.1	3421.8	4310.3	5715.5	6671.8	6418.1	5701.4
42.5°	2207.2	2227.0	2370.8	2667.8	3184.5	4104.5	5675.7	6954.7	6793.3	5946.9
45°	2016.6	2034.1	2161.6	2438.6	2937.8	3854.4	5556.5	7258.6	7239.9	6122.3
47.5°	1799.2	1816.7	1948.8	2216.5	2691.1	3560.9	5354.2	7557.9	7860.7	6519.8
50°	1533.8	1549.0	1684.6	1960.5	2435.1	3248.8	5073.7	7792.9	8643.9	7121.8
52.5°	1219.3	1235.7	1367.8	1643.7	2131.2	2913.3	4704.2	7946.0	9548.8	8001.0
55°	907.2	918.9	1033.4	1281.3	1754.7	2531.0	4241.3	7989.3	10575.2	9202.7
57.5°	658.2	665.2	738.8	923.5	1330.4	2052.8	3679.0	7877.0	11796.9	10743.5
60°	533.1	535.4	557.6	639.5	924.7	1512.7	2999.8	7491.3	13122.6	12729.8
62.5°	484.0	484.0	489.8	512.0	625.4	998.4	2177.9	6691.6	14544.1	15239.7
65°	450.1	450.1	452.4	462.9	493.3	636.0	1374.8	5389.3	15742.4	18179.9
67.5°	419.7	420.9	419.7	423.2	440.7	470.0	797.3	3722.2	16387.7	21226.4
70°	388.1	390.5	384.6	384.6	398.6	399.8	499.2	2041.2	15852.3	23779.6
72.5°	350.7	354.2	344.9	342.5	353.1	348.4	375.3	979.7	13610.1	24541.8
75°	318.0	322.7	301.6	295.8	295.8	292.3	305.1	502.7	8833.3	20019.9
77.5°	288.8	298.1	264.2	245.5	240.8	230.3	249.0	307.5	3863.7	9399.1
80°	238.5	251.3	217.4	195.2	187.0	175.4	196.4	215.1	1149.2	2182.6
82.5°	177.7	183.5	154.3	139.1	132.1	123.9	147.3	149.6	374.1	772.7
85°	113.4	115.7	94.7	81.8	78.3	74.8	93.5	81.8	142.6	568.2
87.5°	39.7	45.6	36.2	32.7	35.1	29.2	43.3	24.6	39.7	401.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4110.4
4112.7
4139.6
4167.7
4178.2
4187.5
4210.9
4262.3
4340.7
4424.8
4527.7
4650.5
4741.7
4843.4
5012.9
5242.0
5586.9
5799.6
5923.6
6290.6
6834.3
7646.7
8759.7
10185.9
12027.2
14298.6
16989.8
19941.6
23441.7
25430.3
21413.4
9203.9
2090.3
873.3
825.3
496.8
0.0

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