

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: P848414

Luminaire Tested: **GLAN-SB5A-722-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848414
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-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17529 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

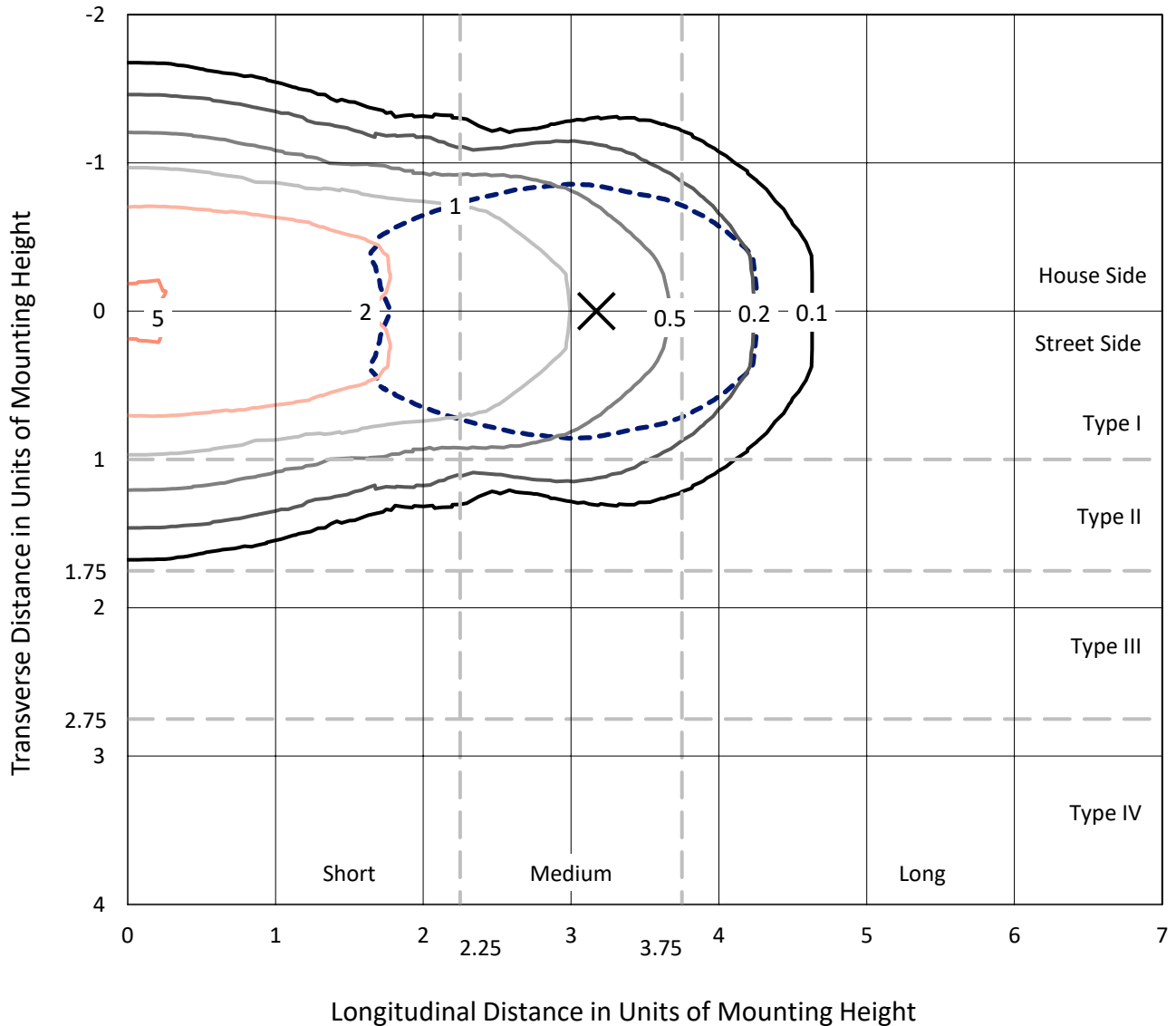
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

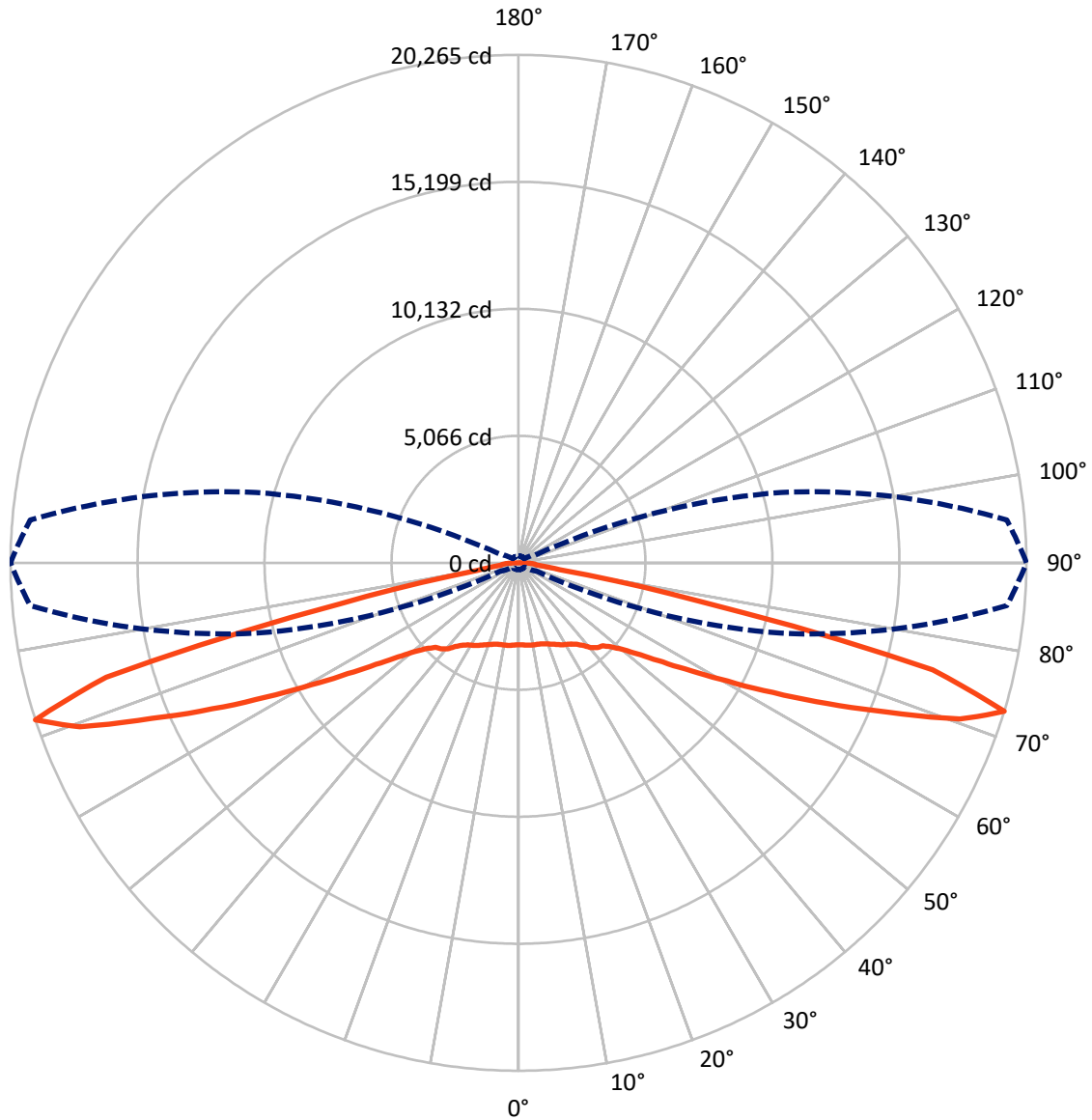
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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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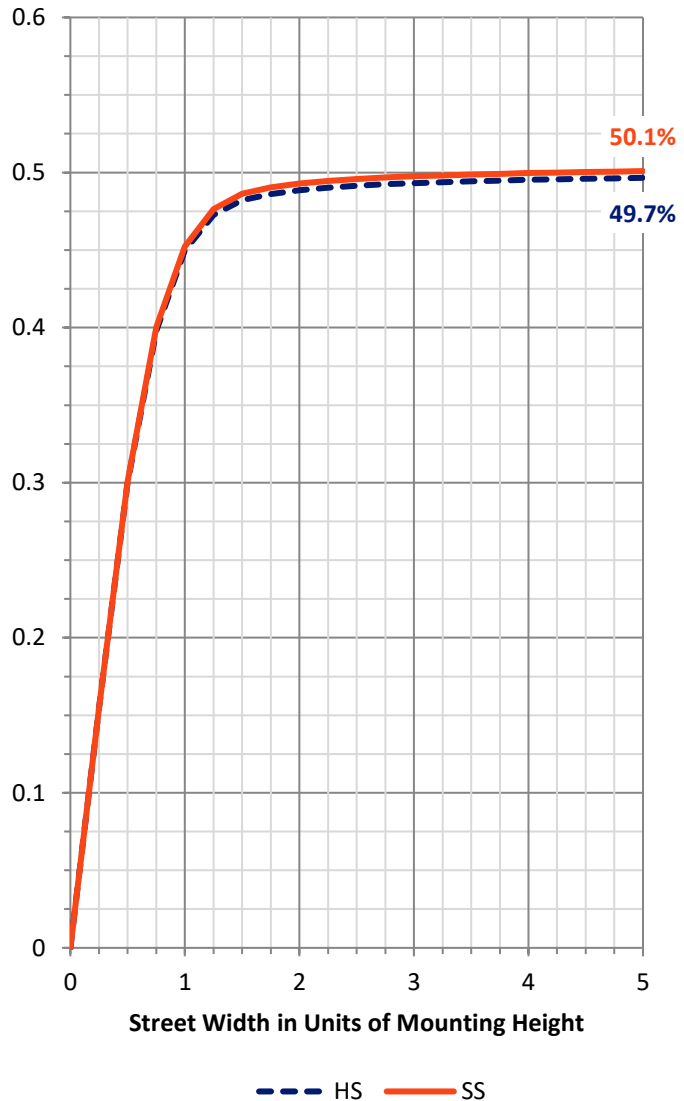
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8764.5	0.0	8764.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8764.5	0.0	8764.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17529.0	0.0	17529.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.6	1.8
10°-20°	971.1	5.5
20°-30°	1619.2	9.2
30°-40°	2226.9	12.7
40°-50°	2719.7	15.5
50°-60°	3145.6	17.9
60°-70°	3750.6	21.4
70°-80°	2617.6	14.9
80°-90°	160.8	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°	17529.0	100.0
0°-180°	17529.0	100.0

Coefficient of Utilization

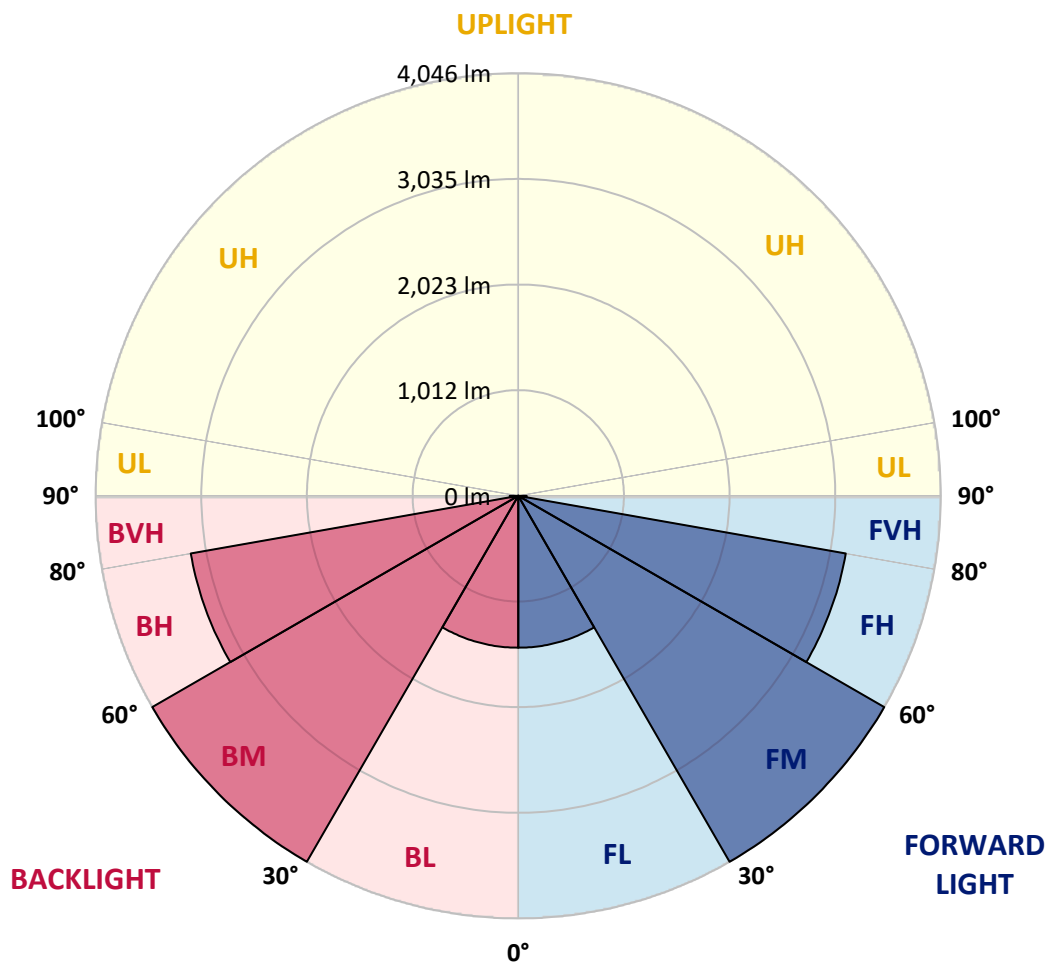


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1453.9	8.3			
FM (30°-60°)	4046.1	23.1			
FH (60°-80°)	3184.1	18.2			G2/5000
FVH (80°-90°)	80.4	0.5			G1/100
BL (0°-30°)	1453.9	8.3	B3/2500		
BM (30°-60°)	4046.1	23.1	B3/5000		
BH (60°-80°)	3184.1	18.2	B4/5000		G4/5000
BVH (80°-90°)	80.4	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°	3275.5	3275.5	3275.5	3275.5	3275.5	3275.5	3275.5	3275.5	3275.5	3275.5
2.5°	3278.3	3282.0	3282.0	3279.2	3285.7	3280.1	3280.1	3277.3	3280.1	3277.3
5°	3295.0	3299.7	3301.6	3300.6	3309.0	3304.4	3304.4	3300.6	3301.6	3298.8
7.5°	3326.7	3333.2	3337.0	3341.6	3353.7	3348.1	3344.4	3333.2	3328.6	3321.1
10°	3337.0	3344.4	3356.5	3380.7	3408.7	3409.6	3398.4	3370.5	3349.1	3332.3
12.5°	3305.3	3315.5	3340.7	3390.1	3452.5	3477.6	3459.9	3413.4	3371.4	3341.6
15°	3265.2	3276.4	3314.6	3389.1	3481.4	3540.1	3538.2	3476.7	3409.6	3363.0
17.5°	3202.8	3214.0	3269.0	3373.3	3503.7	3600.6	3626.7	3563.3	3469.2	3406.8
20°	3090.1	3100.3	3176.7	3323.0	3511.2	3664.9	3732.9	3677.0	3559.6	3474.8
22.5°	2943.8	2959.7	3049.1	3236.4	3493.5	3732.0	3854.0	3815.8	3664.9	3547.5
25°	2787.3	2804.1	2908.4	3130.2	3447.8	3780.4	3997.5	3973.2	3784.1	3637.9
27.5°	2652.2	2669.9	2783.6	3024.9	3377.0	3799.0	4139.1	4151.2	3928.5	3737.5
30°	2546.0	2562.8	2683.9	2940.1	3285.7	3780.4	4263.0	4346.8	4075.7	3824.2
32.5°	2429.6	2451.0	2578.6	2836.7	3177.7	3735.7	4371.0	4558.3	4246.2	3917.3
35°	2282.4	2302.0	2436.1	2695.1	3036.1	3664.0	4461.4	4793.0	4490.3	4058.9
37.5°	2103.5	2122.2	2255.4	2518.1	2895.4	3563.3	4530.3	5057.6	4780.9	4263.0
40°	1923.7	1941.4	2066.3	2320.6	2726.8	3434.8	4554.6	5316.6	5114.4	4543.4
42.5°	1758.8	1774.7	1889.3	2125.9	2537.7	3270.8	4522.9	5542.0	5413.5	4739.0
45°	1607.0	1621.0	1722.5	1943.3	2341.1	3071.5	4427.9	5784.3	5769.4	4878.7
47.5°	1433.7	1447.7	1553.0	1766.3	2144.5	2837.6	4266.7	6022.7	6264.0	5195.5
50°	1222.2	1234.4	1342.4	1562.3	1940.5	2588.9	4043.1	6210.0	6888.2	5675.3
52.5°	971.7	984.7	1090.0	1309.8	1698.3	2321.5	3748.7	6332.0	7609.2	6375.8
55°	722.9	732.2	823.5	1021.0	1398.3	2016.9	3379.8	6366.5	8427.2	7333.5
57.5°	524.5	530.1	588.8	736.0	1060.2	1635.9	2931.7	6277.1	9400.7	8561.3
60°	424.8	426.7	444.4	509.6	736.9	1205.5	2390.5	5969.6	10457.1	10144.1
62.5°	385.7	385.7	390.3	408.0	498.4	795.6	1735.6	5332.4	11589.9	12144.2
65°	358.7	358.7	360.5	368.9	393.1	506.8	1095.6	4294.6	12544.8	14487.2
67.5°	334.4	335.4	334.4	337.2	351.2	374.5	635.3	2966.2	13059.1	16914.9
70°	309.3	311.2	306.5	306.5	317.7	318.6	397.8	1626.6	12632.4	18949.5
72.5°	279.5	282.3	274.8	273.0	281.3	277.6	299.0	780.7	10845.6	19556.9
75°	253.4	257.1	240.4	235.7	235.7	232.9	243.1	400.6	7039.1	15953.5
77.5°	230.1	237.6	210.5	195.6	191.9	183.5	198.4	245.0	3078.9	7490.0
80°	190.0	200.3	173.3	155.6	149.1	139.7	156.5	171.4	915.8	1739.3
82.5°	141.6	146.3	123.0	110.9	105.3	98.7	117.4	119.2	298.1	615.8
85°	90.4	92.2	75.5	65.2	62.4	59.6	74.5	65.2	113.7	452.8
87.5°	31.7	36.3	28.9	26.1	27.9	23.3	34.5	19.6	31.7	319.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3275.5
3277.3
3298.8
3321.1
3329.5
3337.0
3355.6
3396.6
3459.0
3526.1
3608.1
3705.9
3778.5
3859.6
3994.7
4177.3
4452.1
4621.6
4720.4
5012.9
5446.1
6093.5
6980.4
8117.0
9584.2
11394.3
13538.8
15891.1
18680.3
20264.9
17064.0
7334.4
1665.7
695.9
657.7
395.9
0.0

OF REPORT)