

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: P848584

Luminaire Tested: **GLAN-SB5B-722-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848584
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-SB5B-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22005 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

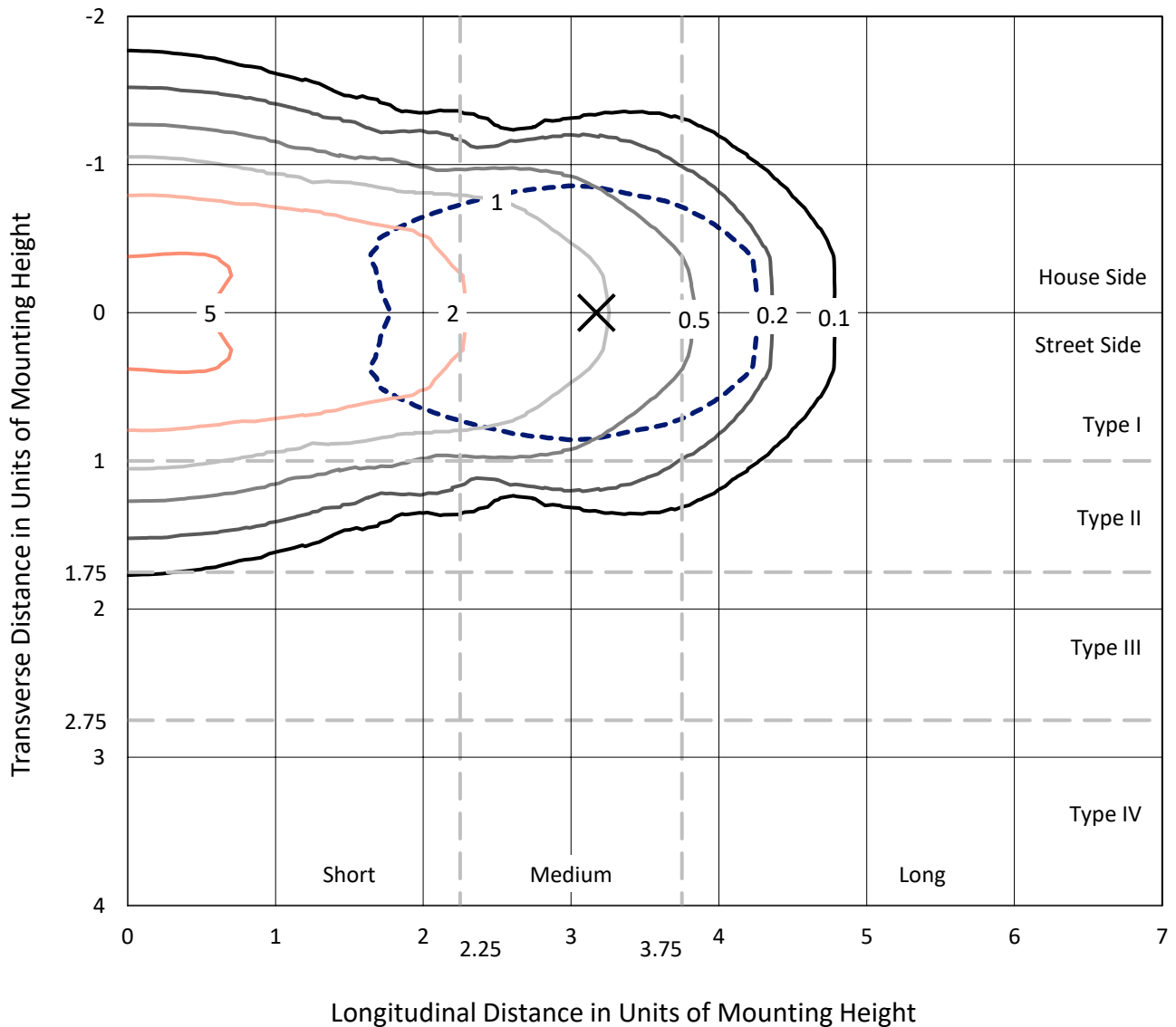
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

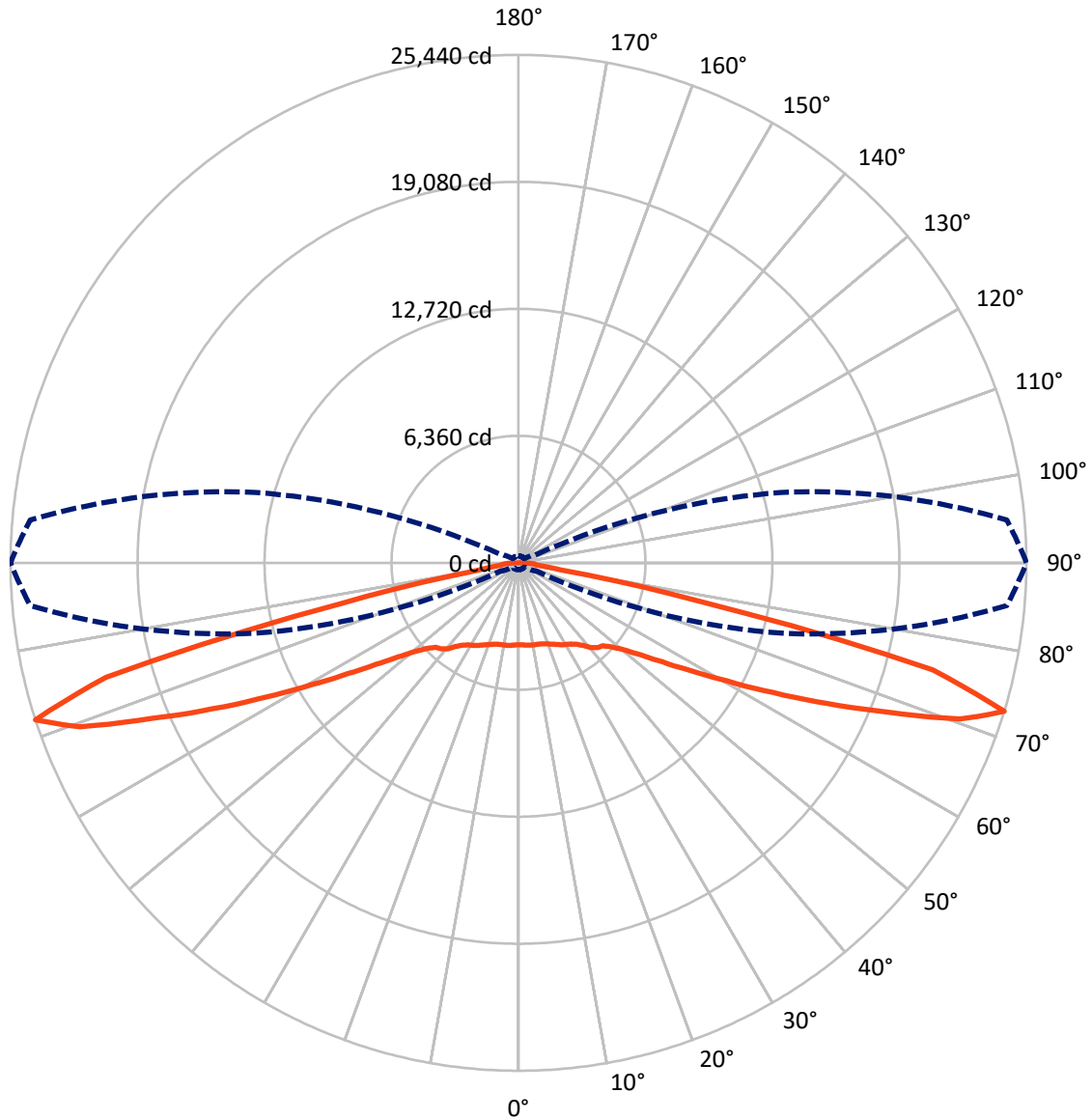
✕ Max cd
 - - - 1/2 Max cd



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	11002.5	0.0	11002.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11002.5	0.0	11002.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22005.0	0.0	22005.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.7	1.8
10°-20°	1219.1	5.5
20°-30°	2032.7	9.2
30°-40°	2795.5	12.7
40°-50°	3414.1	15.5
50°-60°	3948.8	17.9
60°-70°	4708.3	21.4
70°-80°	3286.1	14.9
80°-90°	201.8	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°	22005.0	100.0
0°-180°	22005.0	100.0

Coefficient of Utilization

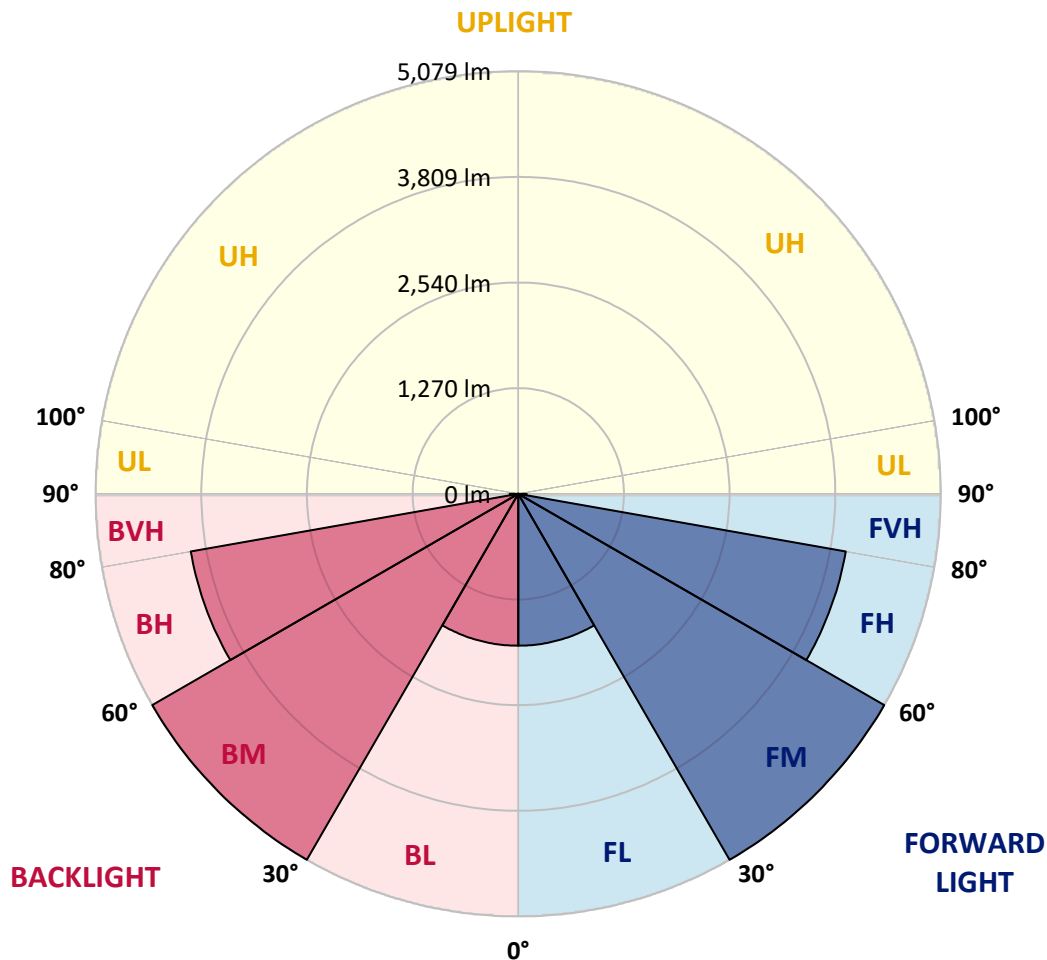


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1825.2	8.3			
FM (30°-60°)	5079.2	23.1			
FH (60°-80°)	3997.2	18.2			G2/5000
FVH (80°-90°)	100.9	0.5			G2/225
BL (0°-30°)	1825.2	8.3	B3/2500		
BM (30°-60°)	5079.2	23.1	B4/8500		
BH (60°-80°)	3997.2	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°	4111.9	4111.9	4111.9	4111.9	4111.9	4111.9	4111.9	4111.9	4111.9	4111.9
2.5°	4115.4	4120.1	4120.1	4116.5	4124.7	4117.7	4117.7	4114.2	4117.7	4114.2
5°	4136.4	4142.3	4144.6	4143.4	4154.0	4148.1	4148.1	4143.4	4144.6	4141.1
7.5°	4176.2	4184.4	4189.1	4194.9	4210.1	4203.1	4198.4	4184.4	4178.5	4169.2
10°	4189.1	4198.4	4213.6	4244.0	4279.1	4280.3	4266.2	4231.2	4204.3	4183.2
12.5°	4149.3	4162.2	4193.7	4255.7	4334.1	4365.6	4343.4	4284.9	4232.3	4194.9
15°	4099.0	4113.0	4161.0	4254.5	4370.3	4444.0	4441.7	4364.5	4280.3	4221.8
17.5°	4020.6	4034.7	4103.7	4234.7	4398.4	4520.0	4552.8	4473.2	4355.1	4276.8
20°	3879.1	3892.0	3987.9	4171.5	4407.7	4600.7	4686.1	4615.9	4468.6	4362.1
22.5°	3695.5	3715.4	3827.7	4062.7	4385.5	4684.9	4838.1	4790.2	4600.7	4453.4
25°	3499.1	3520.1	3651.1	3929.4	4328.2	4745.7	5018.2	4987.8	4750.4	4566.8
27.5°	3329.5	3351.7	3494.4	3797.3	4239.3	4769.1	5196.0	5211.2	4931.7	4691.9
30°	3196.2	3217.2	3369.3	3690.9	4124.7	4745.7	5351.5	5456.8	5116.4	4800.7
32.5°	3050.0	3076.9	3237.1	3561.0	3989.1	4689.6	5487.2	5722.2	5330.5	4917.6
35°	2865.2	2889.8	3058.2	3383.3	3811.3	4599.5	5600.6	6016.9	5636.9	5095.4
37.5°	2640.7	2664.1	2831.3	3161.1	3634.7	4473.2	5687.1	6349.1	6001.7	5351.5
40°	2415.0	2437.2	2593.9	2913.2	3423.0	4311.8	5717.6	6674.2	6420.4	5703.5
42.5°	2208.0	2227.8	2371.7	2668.7	3185.6	4106.0	5677.8	6957.2	6795.8	5949.1
45°	2017.3	2034.9	2162.4	2439.5	2938.9	3855.8	5558.5	7261.3	7242.5	6124.5
47.5°	1799.8	1817.4	1949.5	2217.3	2692.1	3562.2	5356.2	7560.6	7863.5	6522.2
50°	1534.3	1549.6	1685.2	1961.2	2436.0	3250.0	5075.5	7795.7	8647.1	7124.4
52.5°	1219.8	1236.1	1368.3	1644.3	2131.9	2914.3	4706.0	7948.9	9552.3	8003.9
55°	907.5	919.2	1033.8	1281.7	1755.4	2531.9	4242.8	7992.2	10579.1	9206.1
57.5°	658.4	665.4	739.1	923.9	1330.9	2053.6	3680.3	7879.9	11801.2	10747.5
60°	533.3	535.6	557.8	639.7	925.1	1513.3	3000.9	7494.0	13127.3	12734.4
62.5°	484.2	484.2	490.0	512.2	625.7	998.7	2178.7	6694.1	14549.4	15245.2
65°	450.2	450.2	452.6	463.1	493.5	636.2	1375.3	5391.3	15748.1	18186.5
67.5°	419.8	421.0	419.8	423.3	440.9	470.1	797.6	3723.6	16393.7	21234.1
70°	388.3	390.6	384.8	384.8	398.8	400.0	499.4	2041.9	15858.1	23788.2
72.5°	350.8	354.4	345.0	342.7	353.2	348.5	375.4	980.0	13615.0	24550.7
75°	318.1	322.8	301.7	295.9	295.9	292.4	305.2	502.9	8836.5	20027.2
77.5°	288.9	298.2	264.3	245.6	240.9	230.4	249.1	307.6	3865.1	9402.6
80°	238.6	251.4	217.5	195.3	187.1	175.4	196.5	215.2	1149.6	2183.4
82.5°	177.8	183.6	154.4	139.2	132.2	124.0	147.4	149.7	374.2	773.0
85°	113.4	115.8	94.7	81.9	78.4	74.8	93.6	81.9	142.7	568.4
87.5°	39.8	45.6	36.3	32.7	35.1	29.2	43.3	24.6	39.8	401.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4111.9
4114.2
4141.1
4169.2
4179.7
4189.1
4212.4
4263.9
4342.3
4426.5
4529.4
4652.2
4743.4
4845.1
5014.7
5243.9
5588.9
5801.8
5925.7
6292.9
6836.7
7649.5
8762.9
10189.6
12031.5
14303.8
16995.9
19948.9
23450.3
25439.5
21421.2
9207.3
2091.0
873.6
825.6
497.0
0.0

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