

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: P848074

Luminaire Tested: **GLAN-SB4C-722-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848074  
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-SB4C-722-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23219 lumens  
Efficiency: N/A  
Efficacy: 115.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

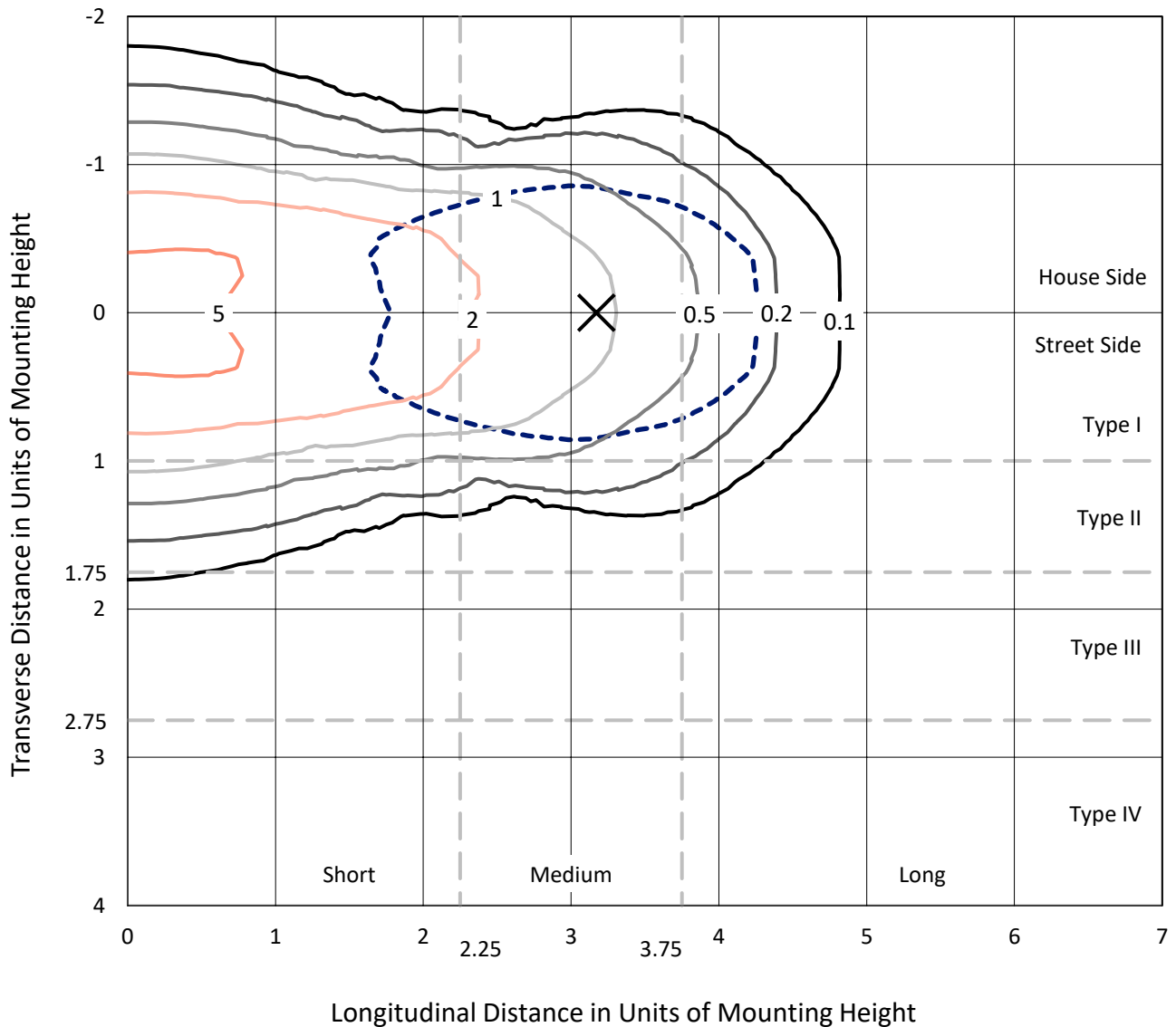
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

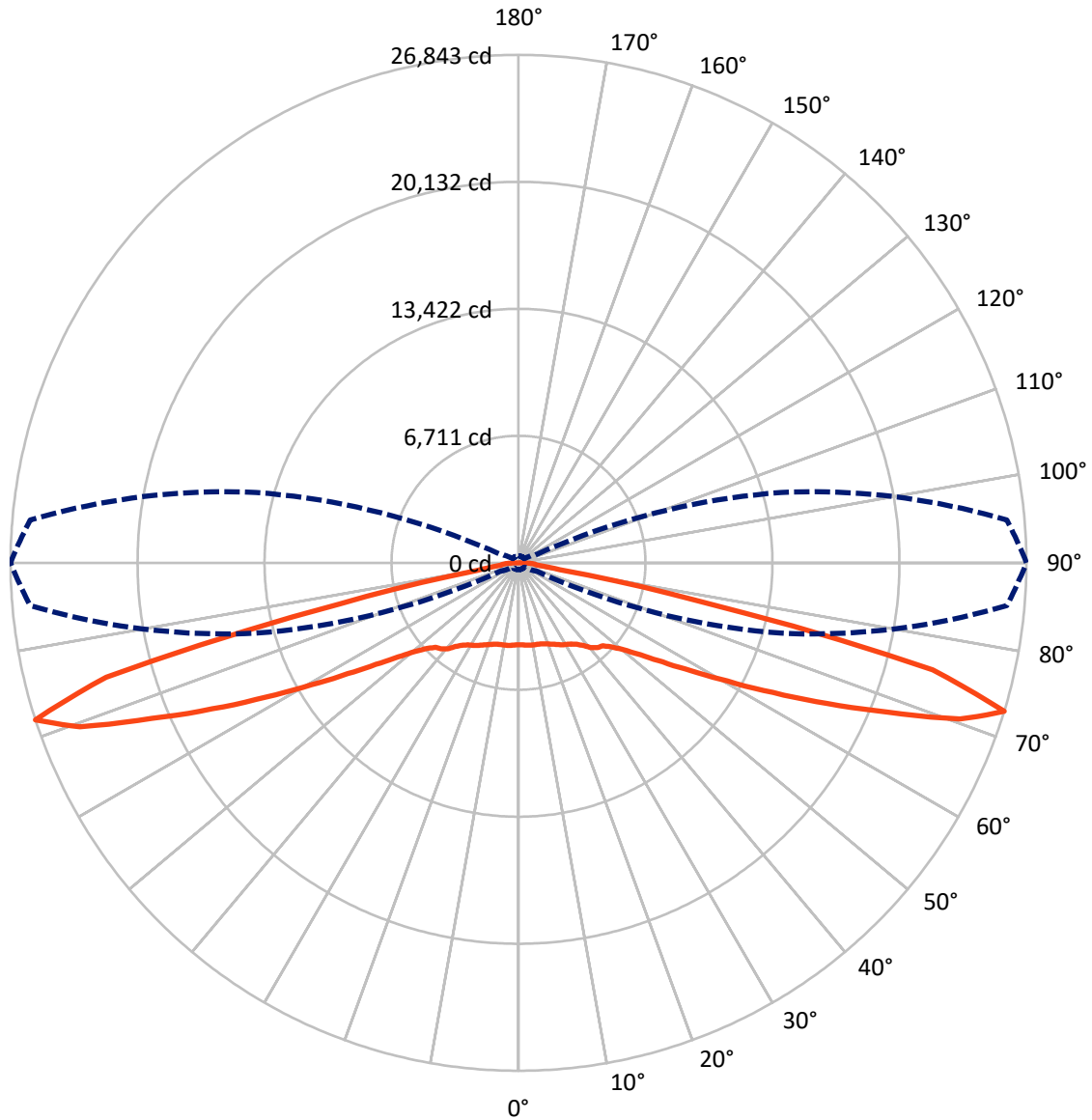
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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
<b>House Side</b>	Lumens	11609.5	0.0	11609.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11609.5	0.0	11609.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23219.0	0.0	23219.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	420.7	1.8
10°-20°	1286.3	5.5
20°-30°	2144.8	9.2
30°-40°	2949.8	12.7
40°-50°	3602.5	15.5
50°-60°	4166.6	17.9
60°-70°	4968.0	21.4
70°-80°	3467.3	14.9
80°-90°	213.0	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°	23219.0	100.0
0°-180°	23219.0	100.0

**Coefficient of Utilization**

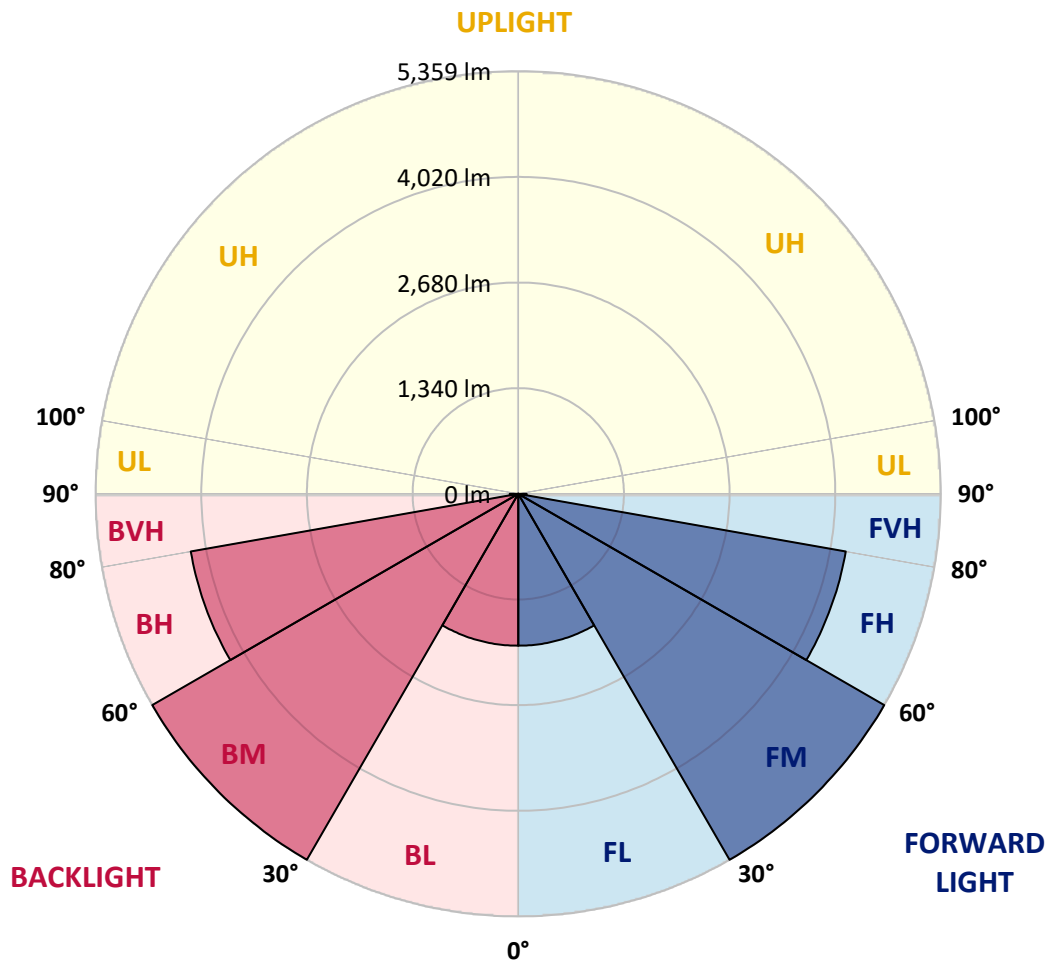


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1925.9	8.3			
FM (30°-60°)	5359.4	23.1			
FH (60°-80°)	4217.7	18.2			G2/5000
FVH (80°-90°)	106.5	0.5			G2/225
BL (0°-30°)	1925.9	8.3	B3/2500		
BM (30°-60°)	5359.4	23.1	B4/8500		
BH (60°-80°)	4217.7	18.2	B4/5000		G4/5000
BVH (80°-90°)	106.5	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°	4338.7	4338.7	4338.7	4338.7	4338.7	4338.7	4338.7	4338.7	4338.7	4338.7
2.5°	4342.4	4347.4	4347.4	4343.7	4352.3	4344.9	4344.9	4341.2	4344.9	4341.2
5°	4364.6	4370.8	4373.3	4372.0	4383.1	4377.0	4377.0	4372.0	4373.3	4369.6
7.5°	4406.6	4415.2	4420.2	4426.3	4442.4	4435.0	4430.0	4415.2	4409.1	4399.2
10°	4420.2	4430.0	4446.1	4478.2	4515.2	4516.4	4501.6	4464.6	4436.2	4414.0
12.5°	4378.2	4391.8	4425.1	4490.5	4573.2	4606.5	4583.0	4521.3	4465.8	4426.3
15°	4325.1	4339.9	4390.5	4489.3	4611.4	4689.2	4686.7	4605.3	4516.4	4454.7
17.5°	4242.5	4257.3	4330.1	4468.3	4641.0	4769.4	4803.9	4720.0	4595.4	4512.7
20°	4093.2	4106.7	4207.9	4401.6	4650.9	4854.5	4944.6	4870.6	4715.1	4602.8
22.5°	3899.4	3920.4	4038.9	4286.9	4627.5	4943.4	5105.0	5054.4	4854.5	4699.0
25°	3692.1	3714.3	3852.5	4146.2	4567.0	5007.5	5295.1	5263.0	5012.5	4818.7
27.5°	3513.2	3536.6	3687.2	4006.8	4473.2	5032.2	5482.6	5498.7	5203.7	4950.8
30°	3372.5	3394.7	3555.1	3894.5	4352.3	5007.5	5646.7	5757.8	5398.7	5065.5
32.5°	3218.3	3246.6	3415.7	3757.5	4209.1	4948.3	5789.9	6037.9	5624.5	5188.9
35°	3023.3	3049.2	3226.9	3569.9	4021.6	4853.3	5909.6	6348.9	5947.8	5376.5
37.5°	2786.4	2811.0	2987.5	3335.5	3835.2	4720.0	6000.9	6699.3	6332.8	5646.7
40°	2548.2	2571.6	2737.0	3073.9	3611.9	4549.7	6033.0	7042.4	6774.6	6018.2
42.5°	2329.8	2350.8	2502.5	2816.0	3361.4	4332.5	5991.0	7341.0	7170.7	6277.3
45°	2128.6	2147.1	2281.7	2574.1	3101.0	4068.5	5865.2	7661.9	7642.1	6462.4
47.5°	1899.1	1917.6	2057.1	2339.6	2840.6	3758.7	5651.7	7977.8	8297.4	6882.0
50°	1619.0	1635.0	1778.2	2069.4	2570.4	3429.3	5355.5	8225.8	9124.1	7517.5
52.5°	1287.1	1304.3	1443.8	1735.0	2249.6	3075.1	4965.6	8387.4	10079.2	8445.4
55°	957.6	969.9	1090.8	1352.5	1852.2	2671.6	4476.9	8433.1	11162.7	9714.0
57.5°	694.7	702.1	779.9	974.9	1404.3	2166.9	3883.4	8314.6	12452.2	11340.4
60°	562.7	565.2	588.6	675.0	976.1	1596.8	3166.4	7907.4	13851.6	13436.9
62.5°	510.9	510.9	517.0	540.5	660.2	1053.8	2298.9	7063.4	15352.1	16086.3
65°	475.1	475.1	477.6	488.7	520.7	671.3	1451.2	5688.7	16616.9	19189.8
67.5°	443.0	444.2	443.0	446.7	465.2	496.1	841.6	3929.0	17298.1	22405.6
70°	409.7	412.2	406.0	406.0	420.8	422.0	526.9	2154.5	16732.9	25100.6
72.5°	370.2	373.9	364.0	361.6	372.7	367.7	396.1	1034.1	14366.1	25905.2
75°	335.6	340.6	318.4	312.2	312.2	308.5	322.1	530.6	9324.0	21132.1
77.5°	304.8	314.7	278.9	259.1	254.2	243.1	262.8	324.5	4078.3	9921.3
80°	251.7	265.3	229.5	206.1	197.4	185.1	207.3	227.1	1213.0	2303.9
82.5°	187.6	193.7	162.9	146.8	139.4	130.8	155.5	158.0	394.9	815.7
85°	119.7	122.2	100.0	86.4	82.7	79.0	98.7	86.4	150.5	599.7
87.5°	42.0	48.1	38.3	34.6	37.0	30.8	45.7	25.9	42.0	423.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4338.7  
4341.2  
4369.6  
4399.2  
4410.3  
4420.2  
4444.8  
4499.1  
4581.8  
4670.7  
4779.3  
4908.8  
5005.1  
5112.4  
5291.4  
5533.2  
5897.2  
6121.8  
6252.6  
6640.1  
7213.9  
8071.5  
9246.3  
10751.8  
12695.3  
15093.0  
17933.6  
21049.4  
24744.0  
26843.0  
22603.0  
9715.2  
2206.4  
921.8  
871.2  
524.4  
0.0

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