

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: P851301

Luminaire Tested: **GLAN-SB9B-722-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851301  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9B-722-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40569 lumens  
Efficiency: N/A  
Efficacy: 123.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

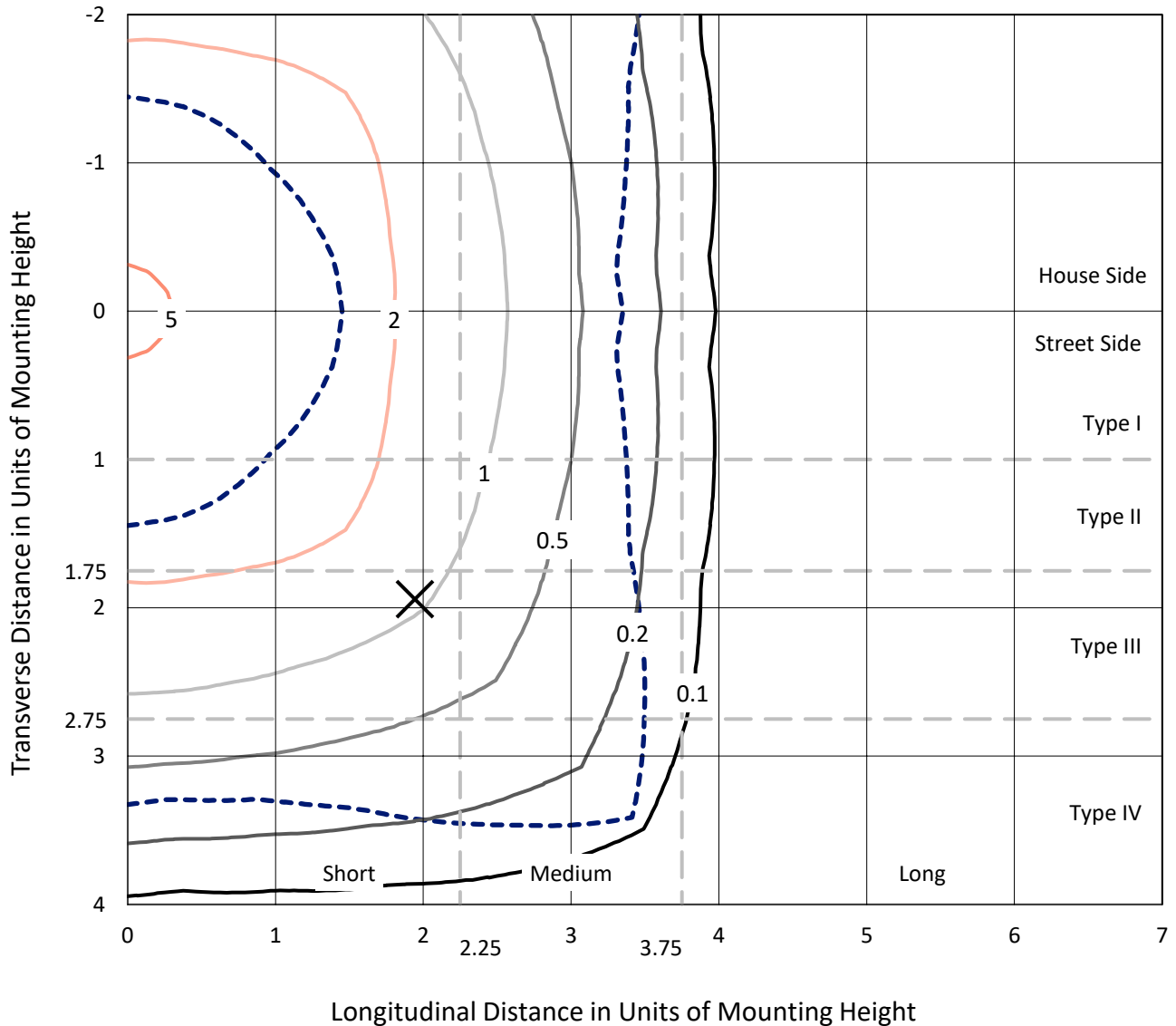
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

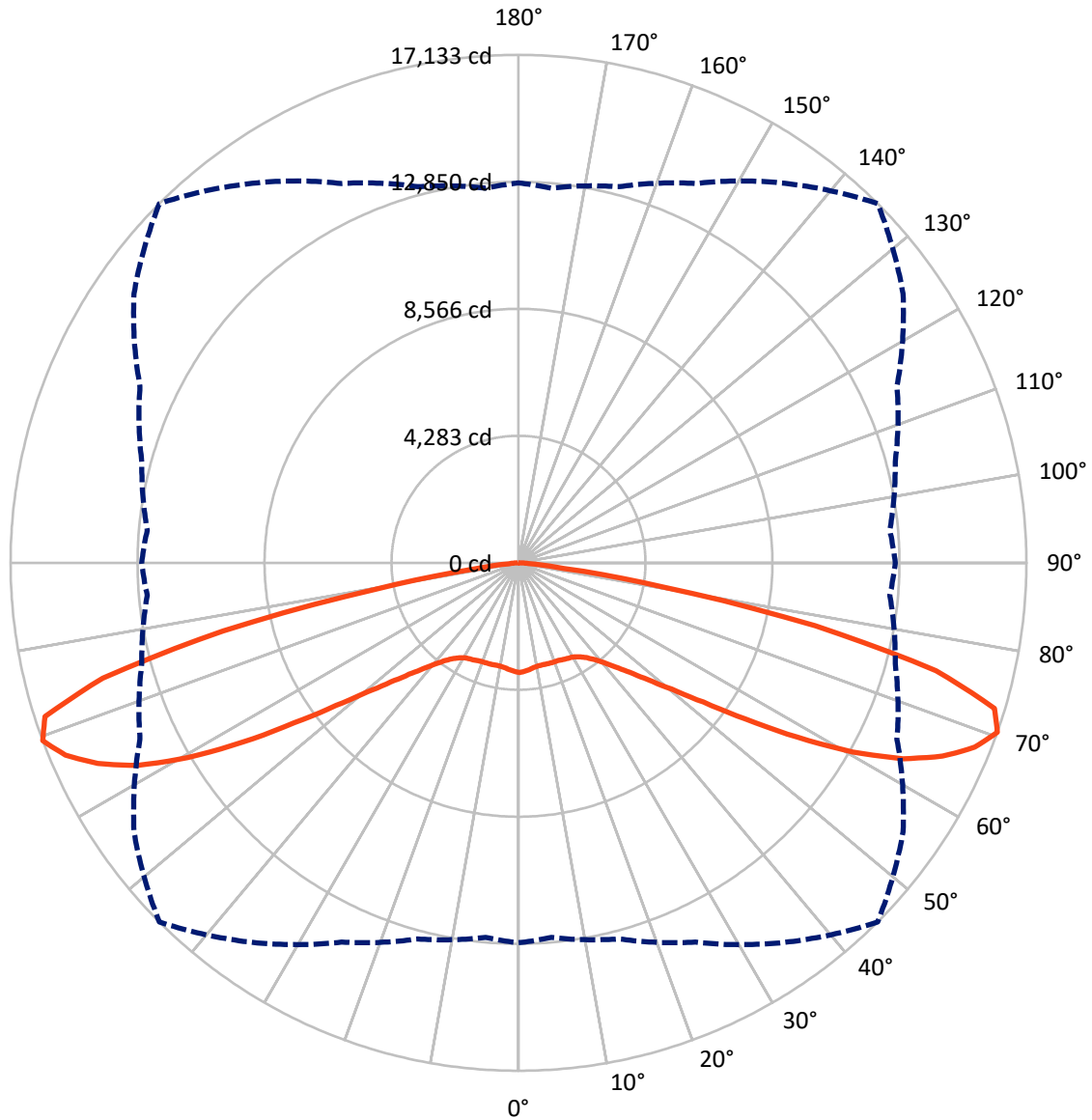
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20284.5	0.0	20284.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20284.5	0.0	20284.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	40569.0	0.0	40569.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	344.3	0.8
10°-20°	1010.8	2.5
20°-30°	1682.1	4.1
30°-40°	2543.9	6.3
40°-50°	4227.4	10.4
50°-60°	7976.9	19.7
60°-70°	13469.3	33.2
70°-80°	8850.7	21.8
80°-90°	463.7	1.1
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°	40569.0	100.0
0°-180°	40569.0	100.0

**Coefficient of Utilization**

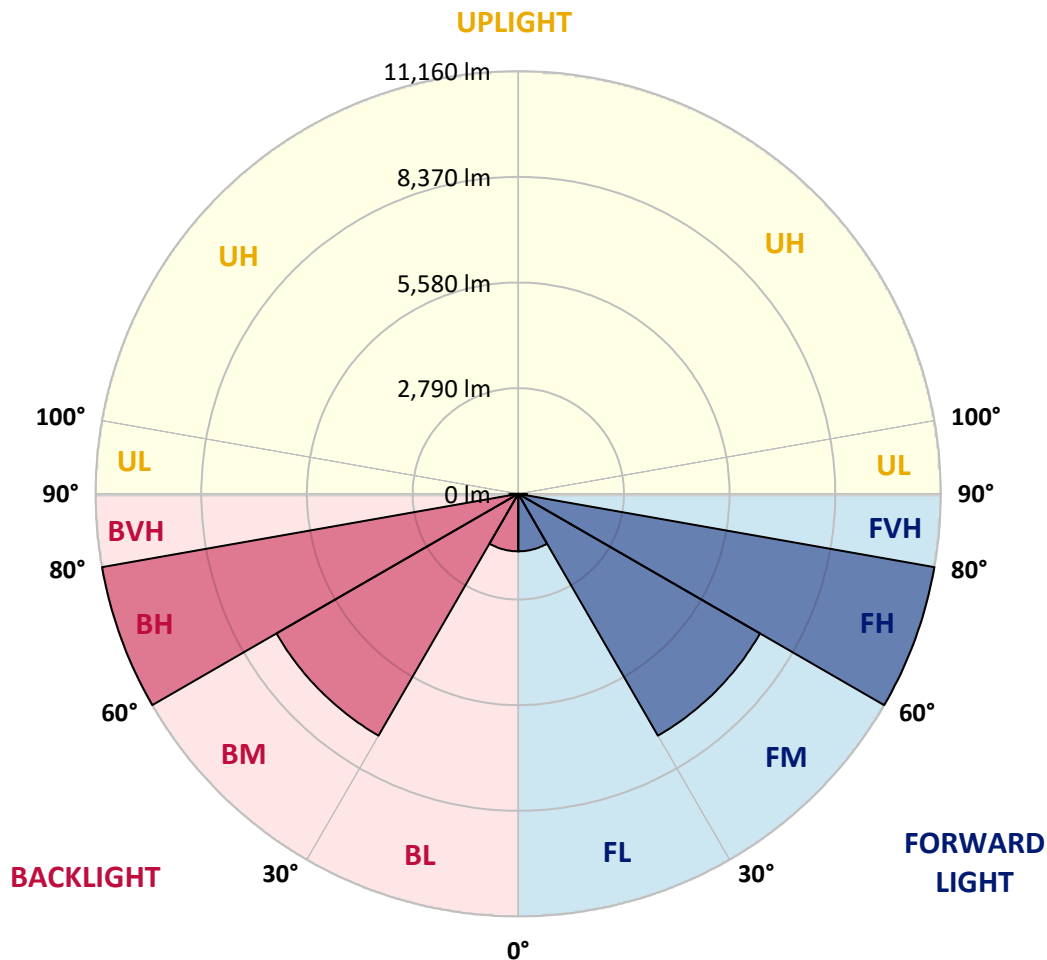


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1518.6	3.7			
FM (30°-60°)	7374.1	18.2			
FH (60°-80°)	11160.0	27.5			G4/12000
FVH (80°-90°)	231.8	0.6			G3/500
BL (0°-30°)	1518.6	3.7	B3/2500		
BM (30°-60°)	7374.1	18.2	B4/8500		
BH (60°-80°)	11160.0	27.5	B5		G4/12000
BVH (80°-90°)	231.8	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**  
 Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3700.7	3700.7	3700.7	3700.7	3700.7	3700.7	3700.7	3700.7	3700.7	3700.7
2.5°	3677.5	3688.1	3683.8	3675.4	3675.4	3669.1	3675.4	3679.6	3685.9	3690.2
5°	3629.0	3637.4	3635.3	3629.0	3631.1	3624.8	3629.0	3635.3	3639.6	3641.7
7.5°	3586.8	3595.3	3591.1	3580.5	3580.5	3574.2	3576.3	3582.6	3589.0	3591.1
10°	3576.3	3584.7	3572.1	3555.2	3548.9	3540.5	3542.6	3548.9	3561.5	3567.9
12.5°	3580.5	3586.8	3574.2	3548.9	3542.6	3534.1	3534.1	3540.5	3557.3	3565.8
15°	3593.2	3599.5	3580.5	3553.1	3546.8	3540.5	3538.3	3546.8	3565.8	3580.5
17.5°	3616.4	3622.7	3593.2	3555.2	3546.8	3548.9	3546.8	3553.1	3582.6	3610.0
20°	3637.4	3641.7	3601.6	3555.2	3546.8	3548.9	3546.8	3559.4	3597.4	3635.3
22.5°	3643.8	3648.0	3610.0	3570.0	3563.6	3565.8	3563.6	3576.3	3612.1	3650.1
25°	3645.9	3652.2	3622.7	3591.1	3601.6	3605.8	3601.6	3603.7	3631.1	3664.9
27.5°	3677.5	3685.9	3658.5	3631.1	3637.4	3635.3	3641.7	3648.0	3669.1	3702.8
30°	3742.9	3749.2	3726.0	3698.6	3694.4	3679.6	3698.6	3719.7	3742.9	3772.4
32.5°	3850.4	3863.1	3833.6	3804.0	3785.1	3776.6	3791.4	3827.2	3858.9	3890.5
35°	4029.7	4038.1	4010.7	3955.9	3922.1	3922.1	3934.8	3981.2	4031.8	4071.8
37.5°	4282.7	4293.2	4244.7	4179.4	4128.8	4128.8	4145.6	4194.1	4270.0	4327.0
40°	4590.6	4605.3	4544.2	4476.7	4428.2	4419.8	4440.9	4495.7	4567.4	4639.1
42.5°	4961.7	4978.6	4898.4	4839.4	4801.4	4801.4	4812.0	4862.6	4928.0	5016.5
45°	5436.1	5465.7	5356.0	5297.0	5261.1	5269.6	5275.9	5320.2	5379.2	5480.4
47.5°	6001.3	6030.8	5914.8	5853.7	5847.3	5887.4	5862.1	5893.7	5925.4	6041.3
50°	6642.3	6692.9	6612.8	6608.6	6621.2	6695.0	6636.0	6652.8	6617.0	6690.8
52.5°	7426.7	7500.5	7485.8	7511.1	7652.4	7804.2	7669.2	7610.2	7475.2	7498.4
55°	8377.7	8489.5	8510.6	8662.4	8982.9	9292.9	9006.1	8767.8	8481.1	8428.3
57.5°	9459.5	9548.0	9649.3	9959.2	10558.1	11108.5	10558.1	10030.9	9579.7	9472.1
60°	10623.5	10733.1	10830.1	11287.7	12177.5	12951.4	12160.7	11323.5	10726.8	10581.3
62.5°	11873.9	12015.2	12082.7	12590.8	13628.3	14551.9	13643.1	12628.8	11966.7	11810.6
65°	13073.7	13189.7	13265.6	13807.5	14798.6	15724.3	14866.1	13866.6	13185.5	12981.0
67.5°	13632.5	13695.8	13881.4	14495.0	15540.9	16597.3	15718.0	14560.3	13799.1	13440.6
70°	12814.4	12685.7	13132.8	14115.4	15629.4	17132.9	15831.9	14085.9	13153.9	12571.9
72.5°	9902.3	9680.9	10456.9	12137.5	14617.3	16791.3	14718.5	12232.4	10939.8	9758.9
75°	5387.6	5136.7	6207.9	8333.4	11656.7	14554.0	11924.5	8571.7	6912.2	5347.6
77.5°	1520.3	1425.5	2290.0	4031.8	7011.3	10218.6	7281.2	4120.3	2716.0	1611.0
80°	466.0	451.3	611.5	1214.6	2977.4	4894.2	2861.5	1229.4	778.1	491.3
82.5°	276.2	253.0	303.6	442.8	759.1	1537.2	738.0	461.8	371.1	248.8
85°	158.1	147.6	179.2	215.1	255.1	326.8	213.0	219.3	198.2	132.8
87.5°	65.4	59.0	69.6	67.5	59.0	75.9	56.9	67.5	80.1	52.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°  
3700.7  
3688.1  
3641.7  
3591.1  
3567.9  
3567.9  
3582.6  
3610.0  
3637.4  
3650.1  
3662.8  
3694.4  
3766.1  
3877.8  
4057.1  
4305.9  
4615.9  
5010.2  
5476.2  
6007.6  
6646.5  
7420.4  
8346.1  
9396.2  
10454.8  
11684.1  
12879.7  
13444.9  
*12711.0*  
10052.0  
5695.5  
1790.3  
518.7  
269.9  
139.2  
48.5  
0.0

OF REPORT)