

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: P851161

Luminaire Tested: **GLAN-SB9A-735-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851161  
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-SB9A-735-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40556 lumens  
Efficiency: N/A  
Efficacy: 158.7 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

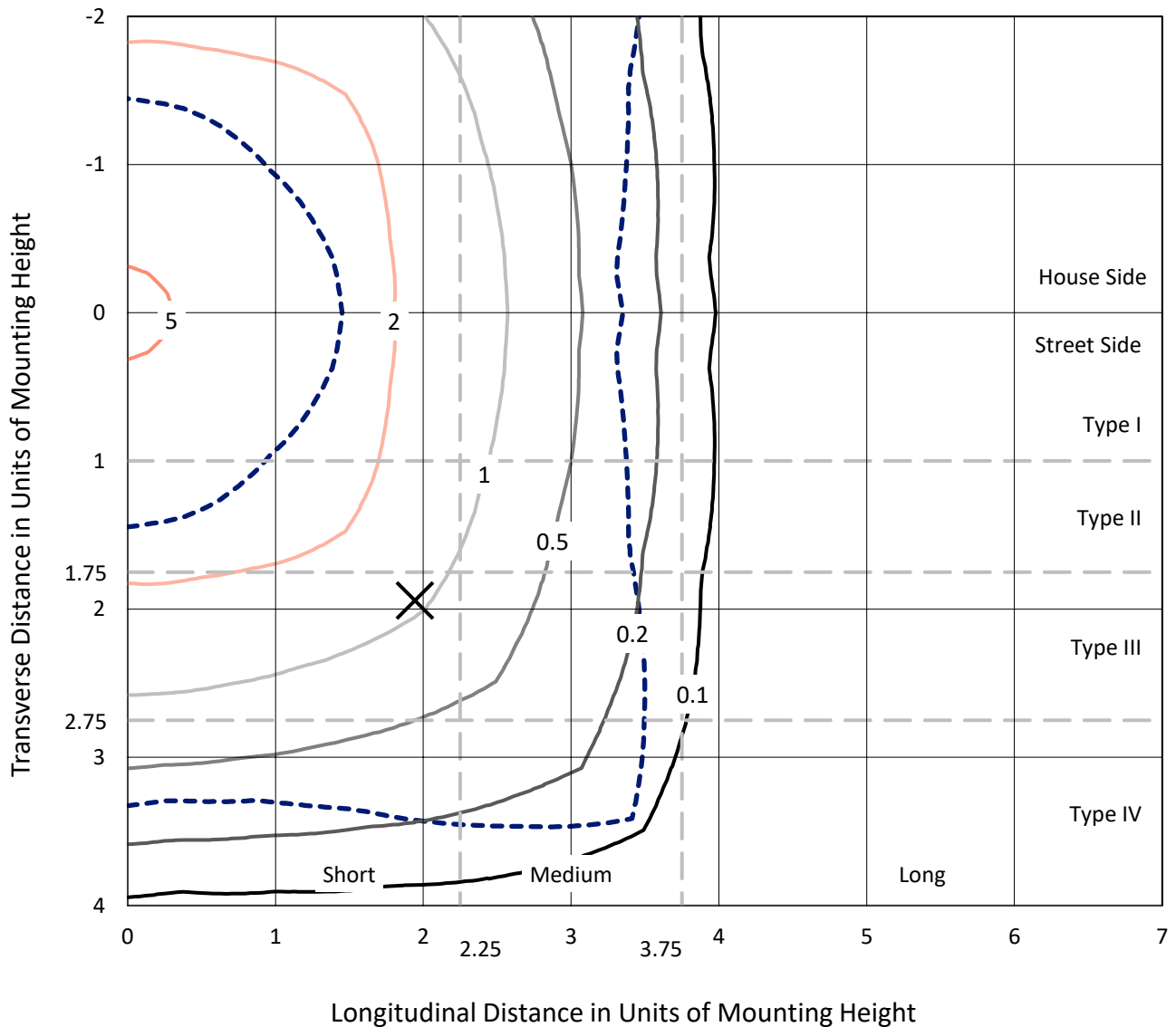
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

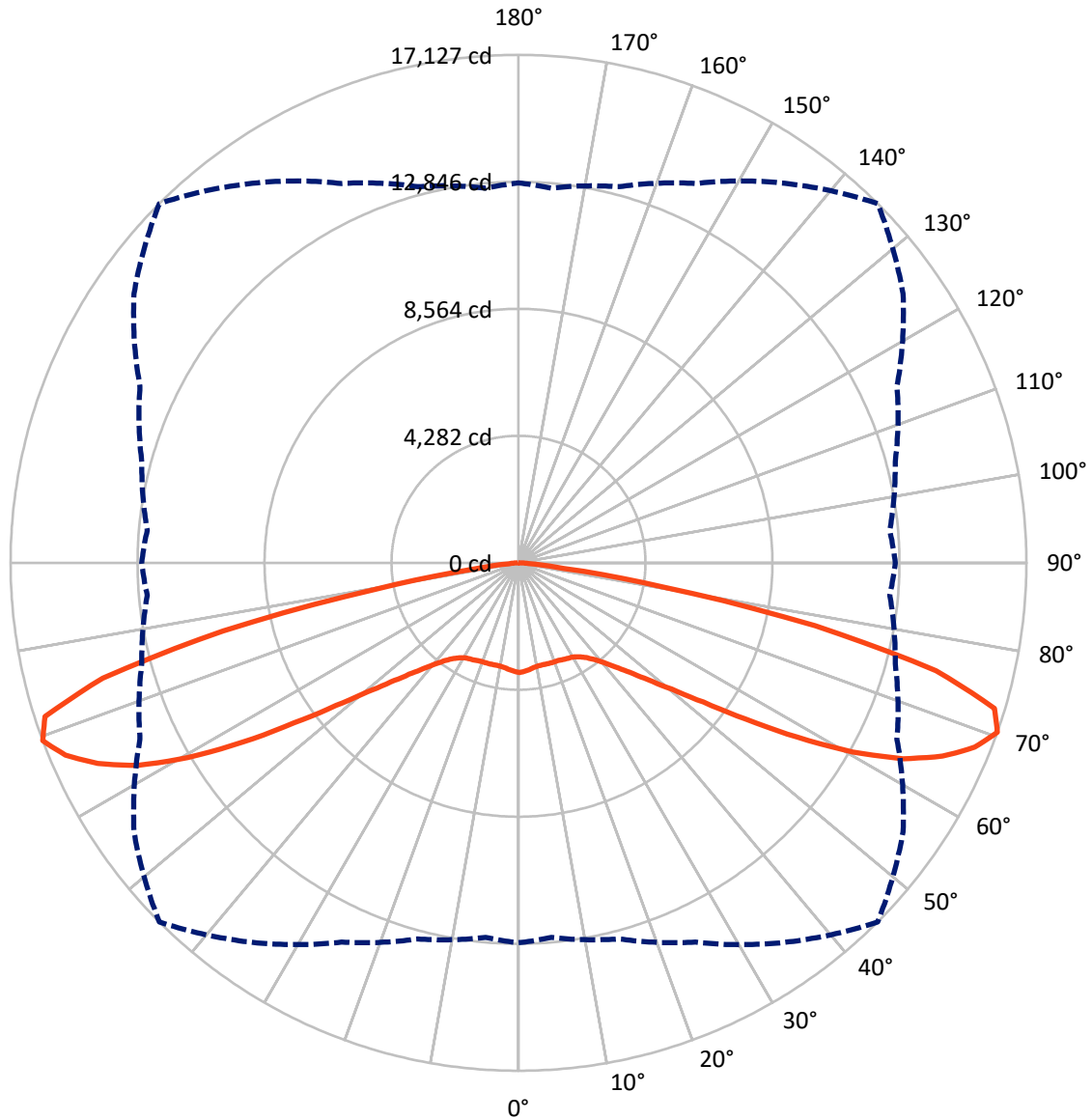
× Max cd  
 - - - 1/2 Max cd



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	20278.0	0.0	20278.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20278.0	0.0	20278.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	40556.0	0.0	40556.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	344.1	0.8
10°-20°	1010.5	2.5
20°-30°	1681.6	4.1
30°-40°	2543.1	6.3
40°-50°	4226.0	10.4
50°-60°	7974.3	19.7
60°-70°	13465.0	33.2
70°-80°	8847.9	21.8
80°-90°	463.5	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°	40556.0	100.0
0°-180°	40556.0	100.0

**Coefficient of Utilization**

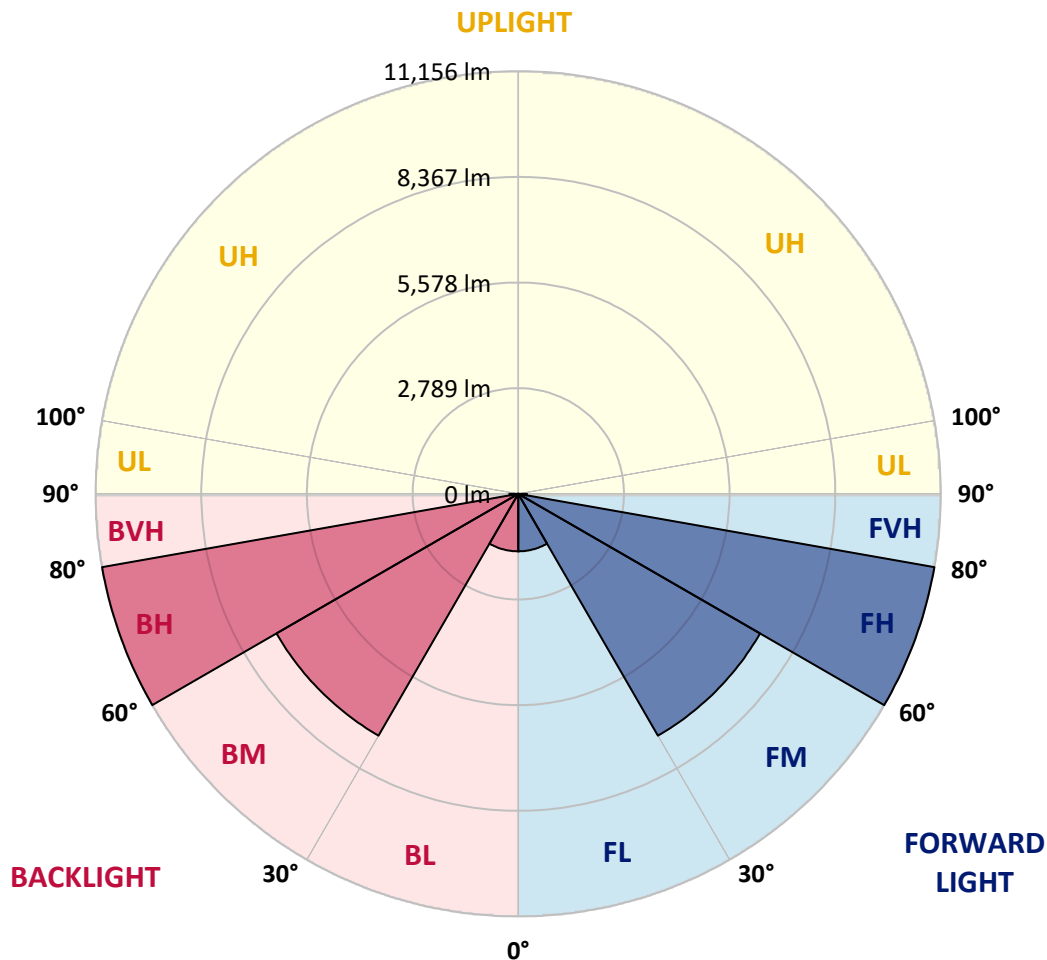


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1518.1	3.7			
FM (30°-60°)	7371.7	18.2			
FH (60°-80°)	11156.4	27.5			G4/12000
FVH (80°-90°)	231.8	0.6			G3/500
BL (0°-30°)	1518.1	3.7	B3/2500		
BM (30°-60°)	7371.7	18.2	B4/8500		
BH (60°-80°)	11156.4	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°	3699.5	3699.5	3699.5	3699.5	3699.5	3699.5	3699.5	3699.5	3699.5	3699.5
2.5°	3676.3	3686.9	3682.7	3674.2	3674.2	3667.9	3674.2	3678.4	3684.8	3689.0
5°	3627.9	3636.3	3634.2	3627.9	3630.0	3623.6	3627.9	3634.2	3638.4	3640.5
7.5°	3585.7	3594.1	3589.9	3579.4	3579.4	3573.0	3575.2	3581.5	3587.8	3589.9
10°	3575.2	3583.6	3570.9	3554.1	3547.7	3539.3	3541.4	3547.7	3560.4	3566.7
12.5°	3579.4	3585.7	3573.0	3547.7	3541.4	3533.0	3533.0	3539.3	3556.2	3564.6
15°	3592.0	3598.3	3579.4	3552.0	3545.6	3539.3	3537.2	3545.6	3564.6	3579.4
17.5°	3615.2	3621.5	3592.0	3554.1	3545.6	3547.7	3545.6	3552.0	3581.5	3608.9
20°	3636.3	3640.5	3600.4	3554.1	3545.6	3547.7	3545.6	3558.3	3596.2	3634.2
22.5°	3642.6	3646.8	3608.9	3568.8	3562.5	3564.6	3562.5	3575.2	3611.0	3648.9
25°	3644.7	3651.0	3621.5	3589.9	3600.4	3604.7	3600.4	3602.6	3630.0	3663.7
27.5°	3676.3	3684.8	3657.4	3630.0	3636.3	3634.2	3640.5	3646.8	3667.9	3701.6
30°	3741.7	3748.0	3724.8	3697.4	3693.2	3678.4	3697.4	3718.5	3741.7	3771.2
32.5°	3849.2	3861.8	3832.3	3802.8	3783.8	3775.4	3790.2	3826.0	3857.6	3889.2
35°	4028.4	4036.8	4009.4	3954.6	3920.9	3920.9	3933.5	3979.9	4030.5	4070.5
37.5°	4281.3	4291.9	4243.4	4178.0	4127.4	4127.4	4144.3	4192.8	4268.7	4325.6
40°	4589.1	4603.9	4542.7	4475.3	4426.8	4418.3	4439.4	4494.2	4565.9	4637.6
42.5°	4960.1	4977.0	4896.9	4837.8	4799.9	4799.9	4810.4	4861.0	4926.4	5014.9
45°	5434.4	5463.9	5354.3	5295.3	5259.4	5267.9	5274.2	5318.5	5377.5	5478.7
47.5°	5999.3	6028.9	5912.9	5851.8	5845.5	5885.5	5860.2	5891.8	5923.5	6039.4
50°	6640.2	6690.8	6610.7	6606.4	6619.1	6692.9	6633.8	6650.7	6614.9	6688.7
52.5°	7424.3	7498.1	7483.4	7508.7	7649.9	7801.7	7666.8	7607.7	7472.8	7496.0
55°	8375.0	8486.8	8507.9	8659.6	8980.0	9289.9	9003.2	8765.0	8478.3	8425.6
57.5°	9456.4	9545.0	9646.2	9956.0	10554.7	11104.9	10554.7	10027.7	9576.6	9469.1
60°	10620.1	10729.7	10826.6	11284.1	12173.6	12947.3	12156.8	11319.9	10723.3	10577.9
62.5°	11870.1	12011.3	12078.8	12586.8	13623.9	14547.2	13638.7	12624.8	11962.8	11806.9
65°	13069.5	13185.5	13261.4	13803.1	14793.9	15719.3	14861.3	13862.1	13181.3	12976.8
67.5°	13628.2	13691.4	13876.9	14490.3	15535.9	16592.0	15713.0	14555.7	13794.7	13436.3
70°	12810.3	12681.7	13128.6	14110.9	15624.4	17127.4	15826.8	14081.4	13149.6	12567.8
72.5°	9899.1	9677.8	10453.5	12133.6	14612.6	16785.9	14713.8	12228.5	10936.3	9755.8
75°	5385.9	5135.1	6205.9	8330.8	11653.0	14549.4	11920.7	8569.0	6910.0	5345.9
77.5°	1519.9	1425.0	2289.3	4030.5	7009.1	10215.3	7278.9	4119.0	2715.1	1610.5
80°	465.9	451.1	611.3	1214.2	2976.5	4892.6	2860.5	1229.0	777.8	491.2
82.5°	276.1	253.0	303.6	442.7	758.9	1536.7	737.8	461.6	371.0	248.7
85°	158.1	147.6	179.2	215.0	255.1	326.7	212.9	219.2	198.2	132.8
87.5°	65.3	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°
3699.5
3686.9
3640.5
3589.9
3566.7
3566.7
3581.5
3608.9
3636.3
3648.9
3661.6
3693.2
3764.9
3876.6
4055.8
4304.5
4614.4
5008.6
5474.5
6005.7
6644.4
7418.0
8343.4
9393.2
10451.4
11680.4
12875.6
13440.5
12707.0
10048.8
5693.7
1789.7
518.6
269.8
139.1
48.5
0.0

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