

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: P851501

Luminaire Tested: **GLAN-SB9C-735-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851501  
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-SB9C-735-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 67709 lumens  
Efficiency: N/A  
Efficacy: 150.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

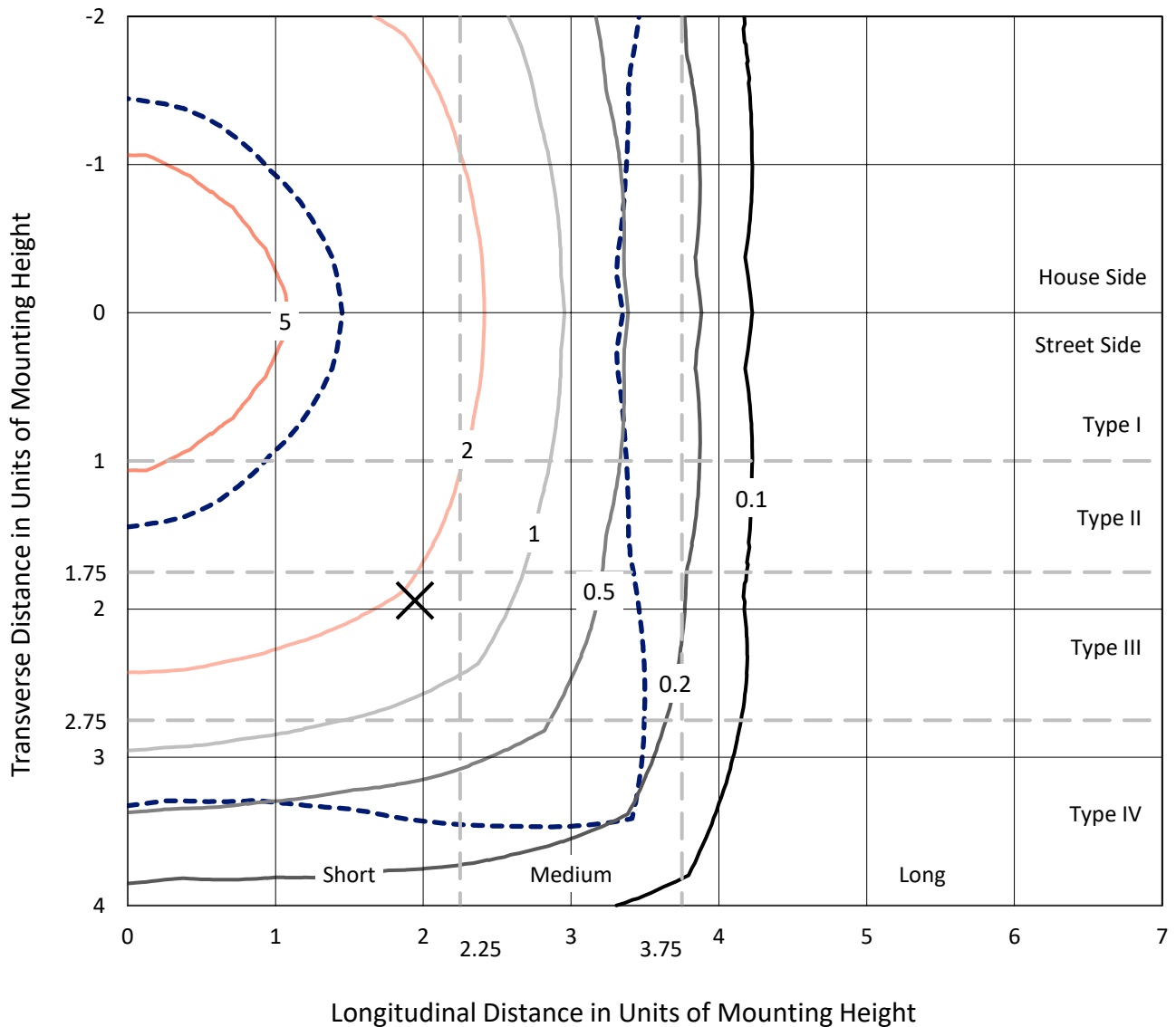
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

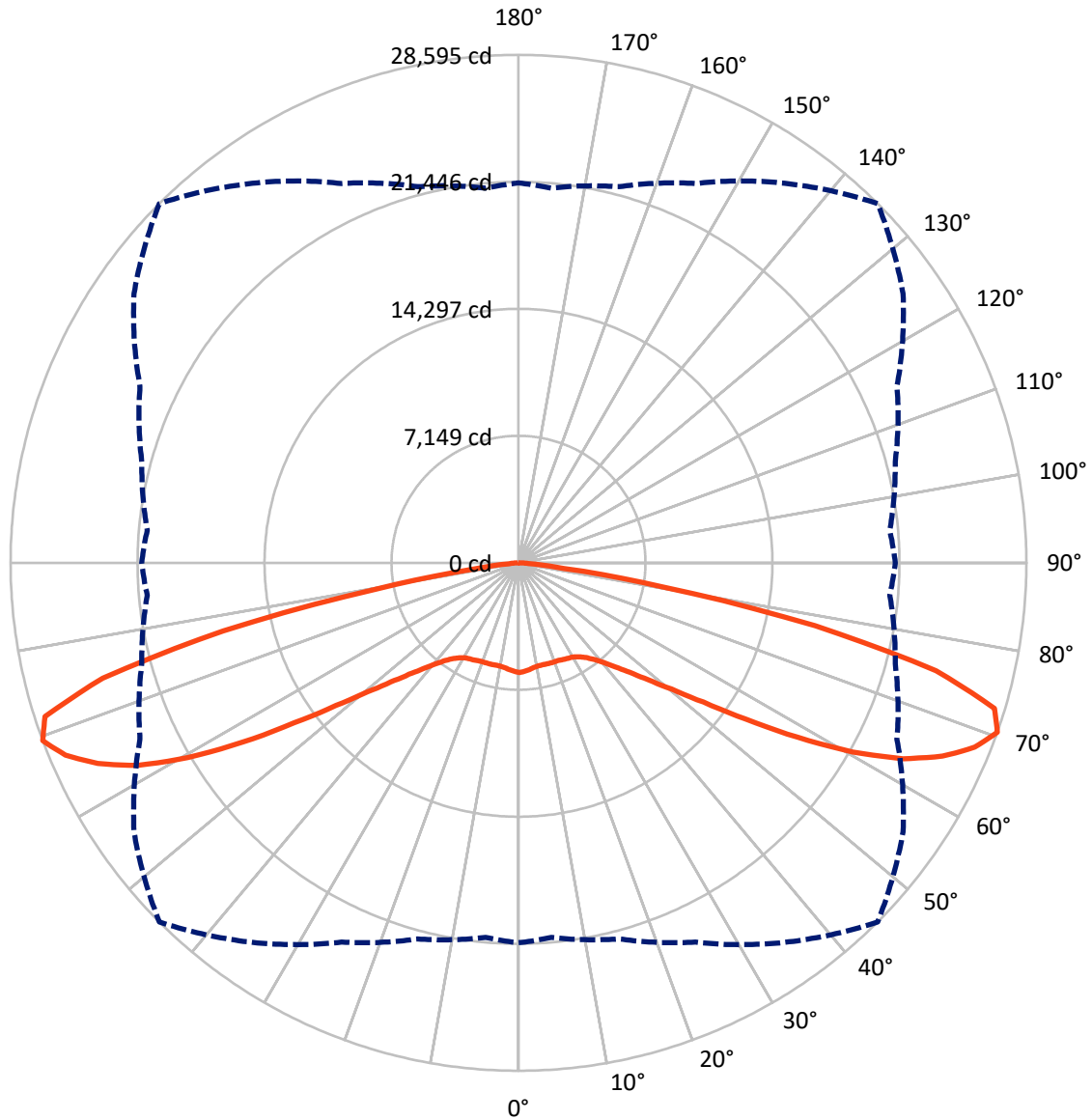
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 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	33854.5	0.0	33854.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	33854.5	0.0	33854.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	67709.0	0.0	67709.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	574.6	0.8
10°-20°	1687.0	2.5
20°-30°	2807.5	4.1
30°-40°	4245.7	6.3
40°-50°	7055.4	10.4
50°-60°	13313.3	19.7
60°-70°	22480.0	33.2
70°-80°	14771.7	21.8
80°-90°	773.9	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°	67709.0	100.0
0°-180°	67709.0	100.0

**Coefficient of Utilization**



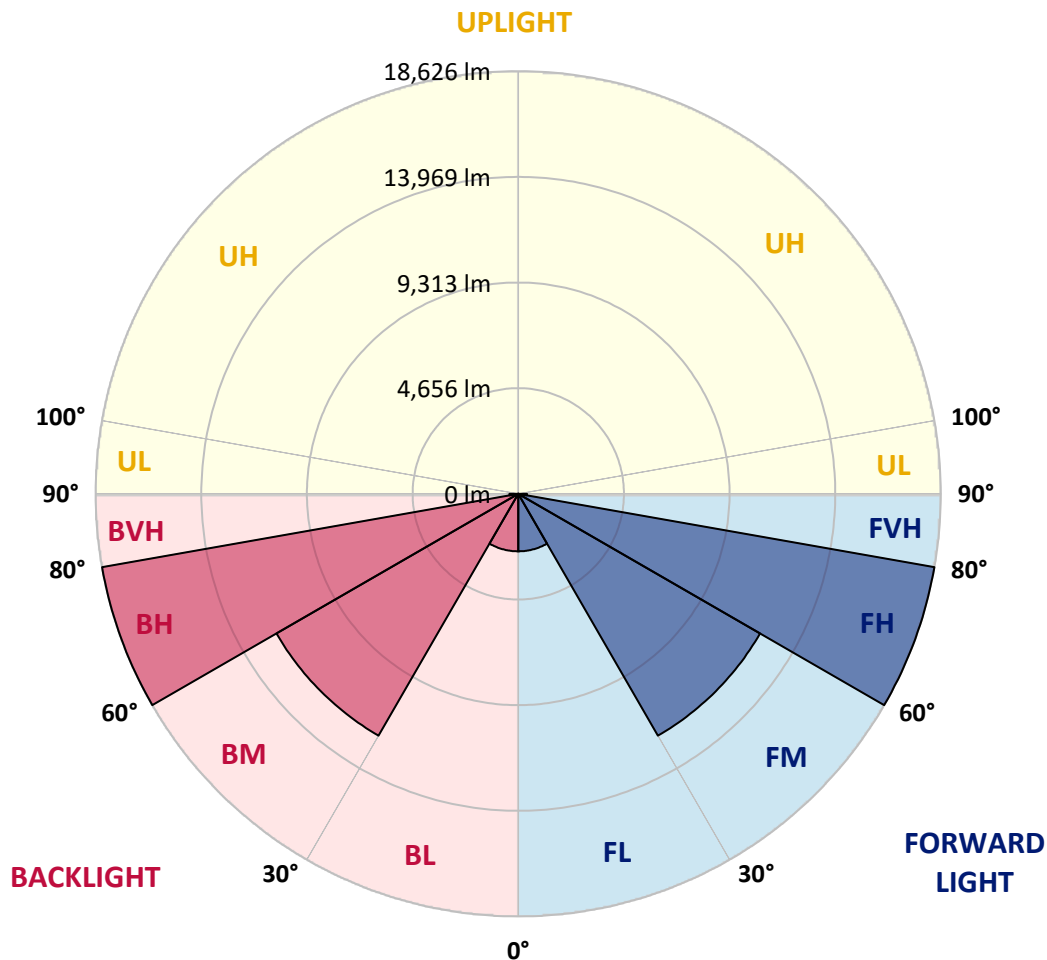
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2534.5	3.7			
FM (30°-60°)	12307.2	18.2			
FH (60°-80°)	18625.8	27.5			G5
FVH (80°-90°)	386.9	0.6			G3/500
BL (0°-30°)	2534.5	3.7	B4/5000		
BM (30°-60°)	12307.2	18.2	B5		
BH (60°-80°)	18625.8	27.5	B5		G5
BVH (80°-90°)	386.9	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-G5**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6176.4	6176.4	6176.4	6176.4	6176.4	6176.4	6176.4	6176.4	6176.4	6176.4
2.5°	6137.7	6155.3	6148.3	6134.2	6134.2	6123.6	6134.2	6141.2	6151.8	6158.8
5°	6056.8	6070.8	6067.3	6056.8	6060.3	6049.7	6056.8	6067.3	6074.4	6077.9
7.5°	5986.4	6000.5	5993.4	5975.8	5975.8	5965.3	5968.8	5979.3	5989.9	5993.4
10°	5968.8	5982.9	5961.7	5933.6	5923.0	5909.0	5912.5	5923.0	5944.1	5954.7
12.5°	5975.8	5986.4	5965.3	5923.0	5912.5	5898.4	5898.4	5909.0	5937.1	5951.2
15°	5996.9	6007.5	5975.8	5930.1	5919.5	5909.0	5905.4	5919.5	5951.2	5975.8
17.5°	6035.7	6046.2	5996.9	5933.6	5919.5	5923.0	5919.5	5930.1	5979.3	6025.1
20°	6070.8	6077.9	6011.0	5933.6	5919.5	5923.0	5919.5	5940.6	6004.0	6067.3
22.5°	6081.4	6088.4	6025.1	5958.2	5947.7	5951.2	5947.7	5968.8	6028.6	6092.0
25°	6084.9	6095.5	6046.2	5993.4	6011.0	6018.1	6011.0	6014.5	6060.3	6116.6
27.5°	6137.7	6151.8	6106.0	6060.3	6070.8	6067.3	6077.9	6088.4	6123.6	6179.9
30°	6246.8	6257.4	6218.7	6172.9	6165.9	6141.2	6172.9	6208.1	6246.8	6296.1
32.5°	6426.3	6447.4	6398.1	6348.9	6317.2	6303.1	6327.8	6387.6	6440.4	6493.2
35°	6725.4	6739.5	6693.8	6602.3	6546.0	6546.0	6567.1	6644.5	6729.0	6795.8
37.5°	7147.8	7165.4	7084.4	6975.3	6890.8	6890.8	6919.0	6999.9	7126.6	7221.7
40°	7661.6	7686.2	7584.2	7471.5	7390.6	7376.5	7411.7	7503.2	7622.9	7742.5
42.5°	8281.0	8309.1	8175.4	8076.9	8013.5	8013.5	8031.1	8115.6	8224.7	8372.5
45°	9072.8	9122.1	8939.1	8840.6	8780.7	8794.8	8805.4	8879.3	8977.8	9146.7
47.5°	10016.0	10065.3	9871.7	9769.7	9759.1	9826.0	9783.7	9836.5	9889.3	10082.9
50°	11085.9	11170.4	11036.6	11029.6	11050.7	11173.9	11075.3	11103.5	11043.7	11166.8
52.5°	12395.1	12518.3	12493.6	12535.9	12771.6	13025.0	12799.8	12701.3	12476.0	12514.7
55°	13982.3	14168.8	14204.0	14457.4	14992.3	15509.7	15031.1	14633.4	14154.7	14066.8
57.5°	15787.7	15935.5	16104.5	16621.8	17621.3	18539.8	17621.3	16741.5	15988.3	15808.8
60°	17730.4	17913.4	18075.3	18839.0	20324.1	21615.7	20296.0	18898.8	17902.8	17660.0
62.5°	19817.3	20053.1	20165.8	21013.9	22745.4	24286.9	22770.1	21077.3	19972.2	19711.8
65°	21819.8	22013.4	22140.1	23044.6	24698.7	26243.6	24811.3	23143.1	22006.4	21665.0
67.5°	22752.5	22858.0	23167.7	24191.9	25937.5	27700.6	26233.1	24301.0	23030.5	22432.2
70°	21387.0	21172.3	21918.4	23558.4	26085.3	28594.6	26423.1	23509.1	21953.6	20982.2
72.5°	16526.8	16157.2	17452.4	20257.3	24396.0	28024.4	24564.9	20415.6	18258.3	16287.5
75°	8991.9	8573.1	10360.9	13908.4	19454.9	24290.4	19901.8	14306.1	11536.4	8925.0
77.5°	2537.4	2379.1	3822.0	6729.0	11701.8	17054.7	12152.2	6876.8	4532.9	2688.8
80°	777.8	753.1	1020.6	2027.1	4969.3	8168.4	4775.7	2051.8	1298.6	820.0
82.5°	461.0	422.3	506.8	739.1	1267.0	2565.6	1231.8	770.7	619.4	415.3
85°	263.9	246.4	299.1	359.0	425.8	545.5	355.5	366.0	330.8	221.7
87.5°	109.1	98.5	116.1	112.6	98.5	126.7	95.0	112.6	133.7	88.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°  
6176.4  
6155.3  
6077.9  
5993.4  
5954.7  
5954.7  
5979.3  
6025.1  
6070.8  
6092.0  
6113.1  
6165.9  
6285.5  
6472.0  
6771.2  
7186.5  
7703.8  
8361.9  
9139.7  
10026.6  
11092.9  
12384.5  
13929.5  
15682.1  
17448.8  
19500.6  
21496.1  
22439.2  
21214.5  
16776.6  
9505.7  
2987.9  
865.8  
450.5  
232.3  
80.9  
0.0

OF REPORT)