

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: P851561

Luminaire Tested: **GLAN-SB9C-835-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851561
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-835-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 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: 57129 lumens
Efficiency: N/A
Efficacy: 127.0 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

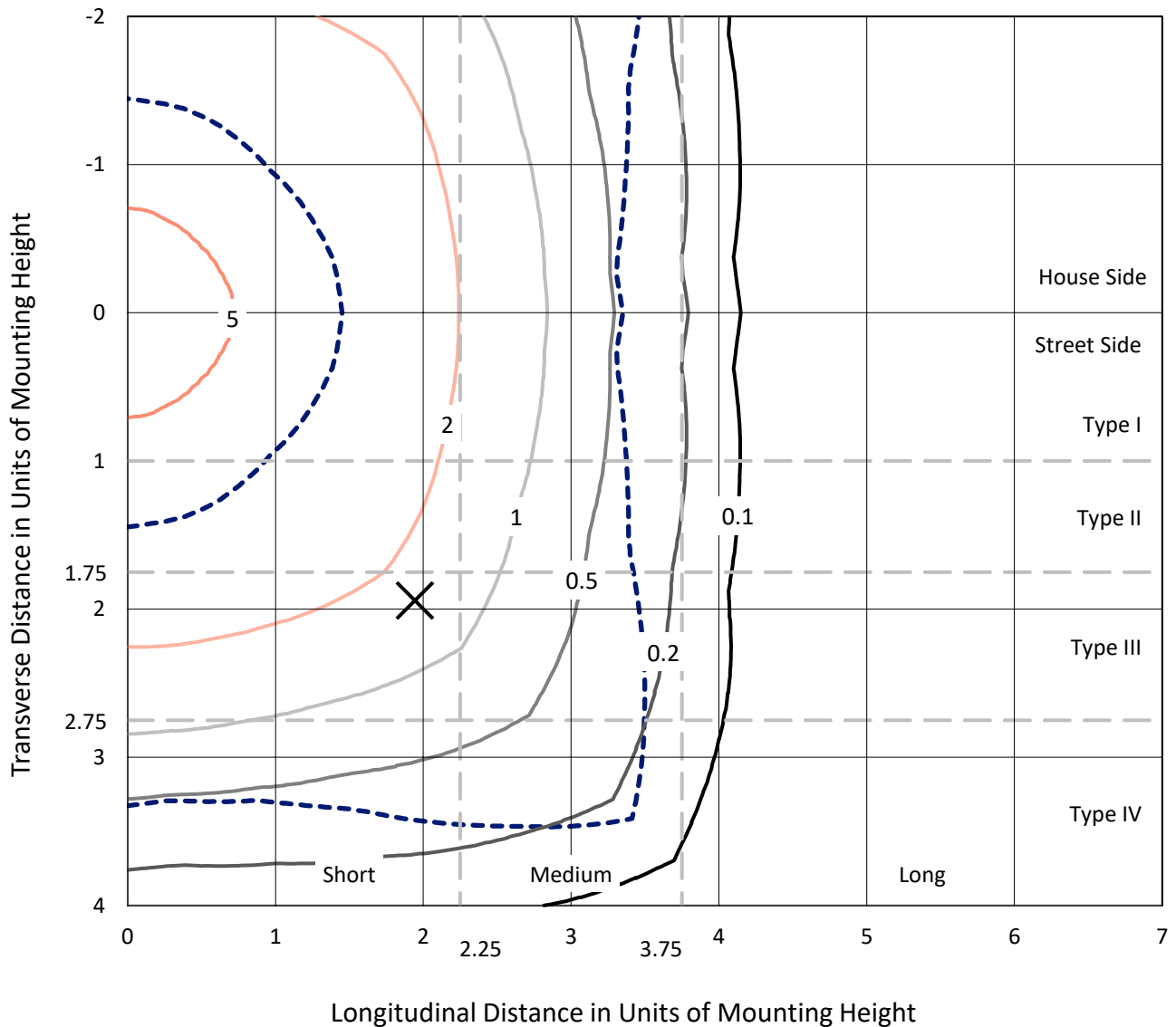
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

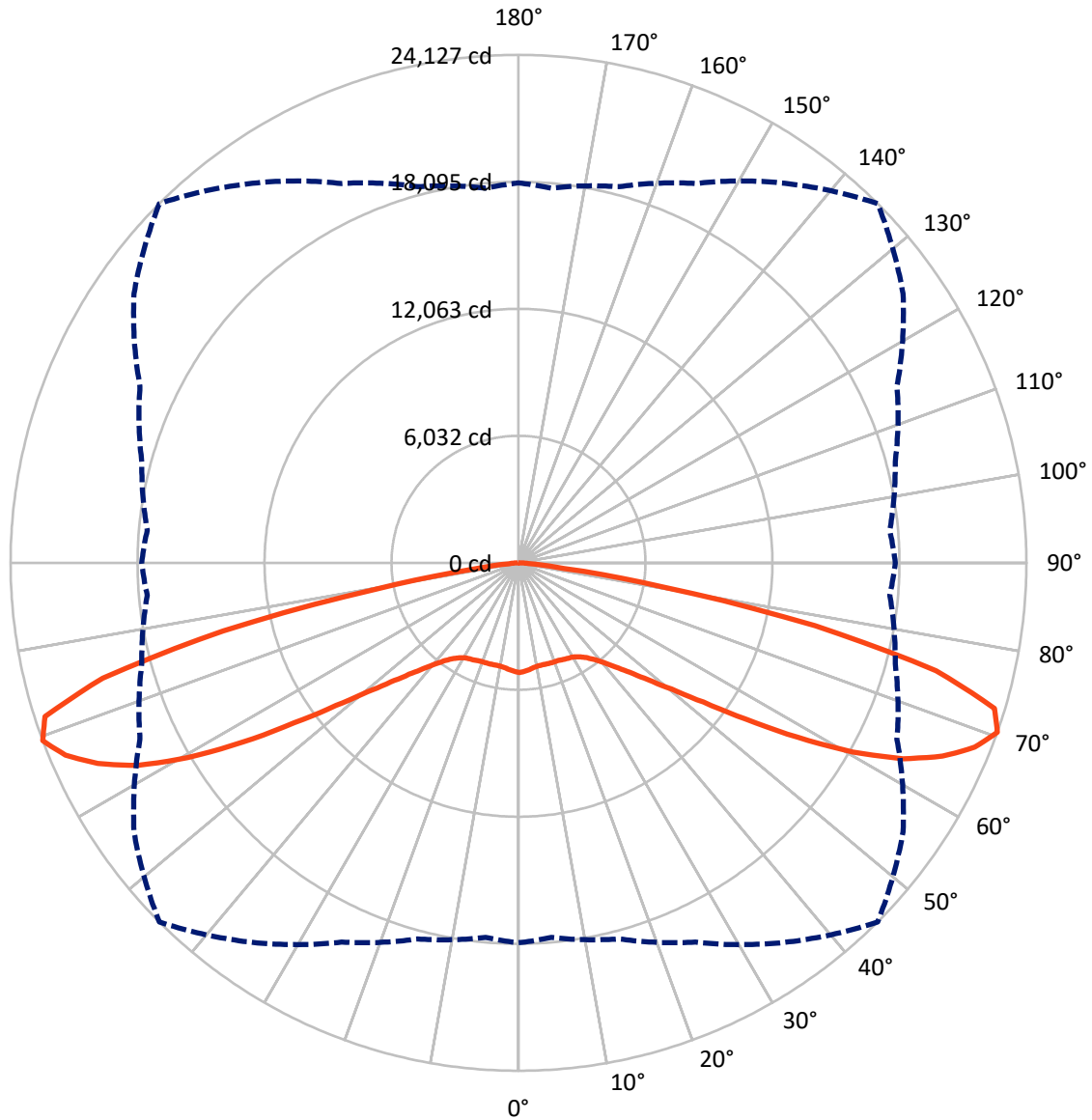
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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
House Side	Lumens	28564.5	0.0	28564.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28564.5	0.0	28564.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	57129.0	0.0	57129.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	484.8	0.8
10°-20°	1423.4	2.5
20°-30°	2368.8	4.1
30°-40°	3582.3	6.3
40°-50°	5952.9	10.4
50°-60°	11233.0	19.7
60°-70°	18967.3	33.2
70°-80°	12463.5	21.8
80°-90°	653.0	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°	57129.0	100.0
0°-180°	57129.0	100.0

Coefficient of Utilization



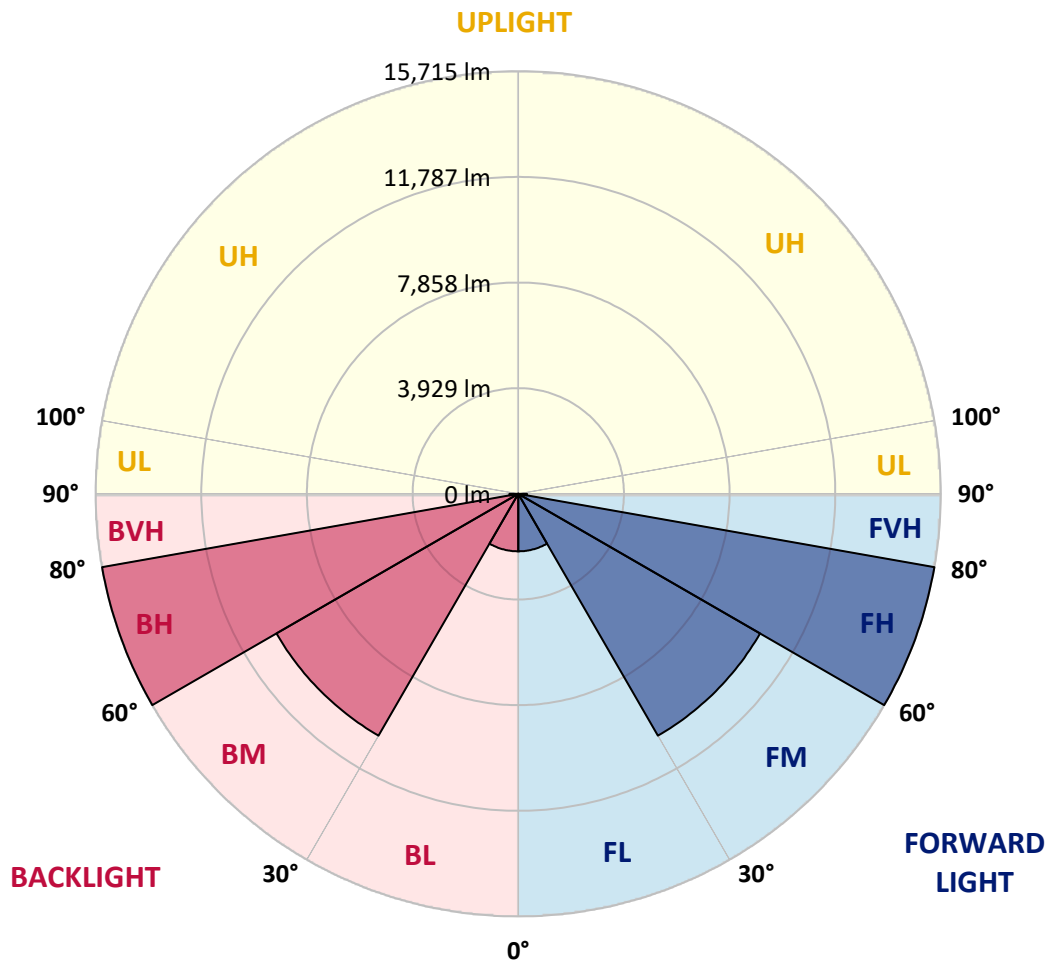
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2138.5	3.7			
FM (30°-60°)	10384.1	18.2			
FH (60°-80°)	15715.4	27.5			G5
FVH (80°-90°)	326.5	0.6			G3/500
BL (0°-30°)	2138.5	3.7	B3/2500		
BM (30°-60°)	10384.1	18.2	B5		
BH (60°-80°)	15715.4	27.5	B5		G5
BVH (80°-90°)	326.5	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°	5211.3	5211.3	5211.3	5211.3	5211.3	5211.3	5211.3	5211.3	5211.3	5211.3
2.5°	5178.7	5193.5	5187.6	5175.7	5175.7	5166.8	5175.7	5181.6	5190.5	5196.5
5°	5110.4	5122.2	5119.3	5110.4	5113.3	5104.4	5110.4	5119.3	5125.2	5128.2
7.5°	5051.0	5062.8	5056.9	5042.1	5042.1	5033.2	5036.1	5045.0	5053.9	5056.9
10°	5036.1	5048.0	5030.2	5006.4	4997.5	4985.6	4988.6	4997.5	5015.3	5024.2
12.5°	5042.1	5051.0	5033.2	4997.5	4988.6	4976.7	4976.7	4985.6	5009.4	5021.3
15°	5059.9	5068.8	5042.1	5003.5	4994.5	4985.6	4982.7	4994.5	5021.3	5042.1
17.5°	5092.5	5101.4	5059.9	5006.4	4994.5	4997.5	4994.5	5003.5	5045.0	5083.6
20°	5122.2	5128.2	5071.8	5006.4	4994.5	4997.5	4994.5	5012.4	5065.8	5119.3
22.5°	5131.1	5137.1	5083.6	5027.2	5018.3	5021.3	5018.3	5036.1	5086.6	5140.0
25°	5134.1	5143.0	5101.4	5056.9	5071.8	5077.7	5071.8	5074.7	5113.3	5160.8
27.5°	5178.7	5190.5	5151.9	5113.3	5122.2	5119.3	5128.2	5137.1	5166.8	5214.3
30°	5270.7	5279.6	5246.9	5208.3	5202.4	5181.6	5208.3	5238.0	5270.7	5312.3
32.5°	5422.1	5440.0	5398.4	5356.8	5330.1	5318.2	5339.0	5389.5	5434.0	5478.6
35°	5674.5	5686.4	5647.8	5570.6	5523.1	5523.1	5540.9	5606.2	5677.5	5733.9
37.5°	6030.9	6045.7	5977.4	5885.4	5814.1	5814.1	5837.9	5906.2	6013.1	6093.2
40°	6464.4	6485.2	6399.1	6304.1	6235.8	6223.9	6253.6	6330.8	6431.7	6532.7
42.5°	6987.0	7010.8	6897.9	6814.8	6761.3	6761.3	6776.2	6847.5	6939.5	7064.2
45°	7655.1	7696.7	7542.3	7459.2	7408.7	7420.6	7429.5	7491.8	7575.0	7717.5
47.5°	8450.9	8492.5	8329.2	8243.1	8234.2	8290.6	8255.0	8299.5	8344.0	8507.4
50°	9353.6	9424.9	9312.1	9306.1	9323.9	9427.9	9344.7	9368.5	9318.0	9421.9
52.5°	10458.3	10562.2	10541.4	10577.0	10776.0	10989.8	10799.7	10716.6	10526.6	10559.2
55°	11797.5	11954.8	11984.5	12198.3	12649.7	13086.2	12682.4	12346.8	11943.0	11868.7
57.5°	13320.8	13445.5	13588.0	14024.5	14867.8	15642.9	14867.8	14125.5	13490.0	13338.6
60°	14959.9	15114.3	15250.9	15895.3	17148.3	18238.1	17124.6	15945.7	15105.4	14900.5
62.5°	16720.7	16919.7	17014.7	17730.3	19191.3	20491.9	19212.1	17783.8	16851.4	16631.7
65°	18410.3	18573.7	18680.6	19443.7	20839.3	22142.9	20934.3	19526.8	18567.7	18279.7
67.5°	19197.2	19286.3	19547.6	20411.7	21884.6	23372.2	22134.0	20503.8	19431.8	18927.0
70°	18045.1	17864.0	18493.5	19877.2	22009.3	24126.5	22294.3	19835.7	18523.2	17703.6
72.5°	13944.4	13632.6	14725.3	17091.9	20584.0	23645.4	20726.5	17225.5	15405.3	13742.4
75°	7586.8	7233.5	8741.9	11735.1	16414.9	20494.9	16792.0	12070.7	9733.7	7530.4
77.5°	2140.9	2007.3	3224.8	5677.5	9873.3	14389.8	10253.4	5802.2	3824.6	2268.6
80°	656.2	635.5	861.1	1710.4	4192.8	6892.0	4029.5	1731.2	1095.7	691.9
82.5°	389.0	356.3	427.6	623.6	1069.0	2164.7	1039.3	650.3	522.6	350.4
85°	222.7	207.9	252.4	302.9	359.3	460.3	299.9	308.8	279.1	187.1
87.5°	92.1	83.1	98.0	95.0	83.1	106.9	80.2	95.0	112.8	74.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5211.3
5193.5
5128.2
5056.9
5024.2
5024.2
5045.0
5083.6
5122.2
5140.0
5157.9
5202.4
5303.4
5460.7
5713.1
6063.5
6500.0
7055.3
7711.6
8459.8
9359.6
10449.4
11752.9
13231.7
14722.3
16453.5
18137.2
18933.0
17899.6
14155.2
8020.4
2521.0
730.5
380.1
196.0
68.3
0.0

OF REPORT)