

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: P944490

Luminaire Tested: **GLAN-SB9C-722-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944490
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9C-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56999 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - 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

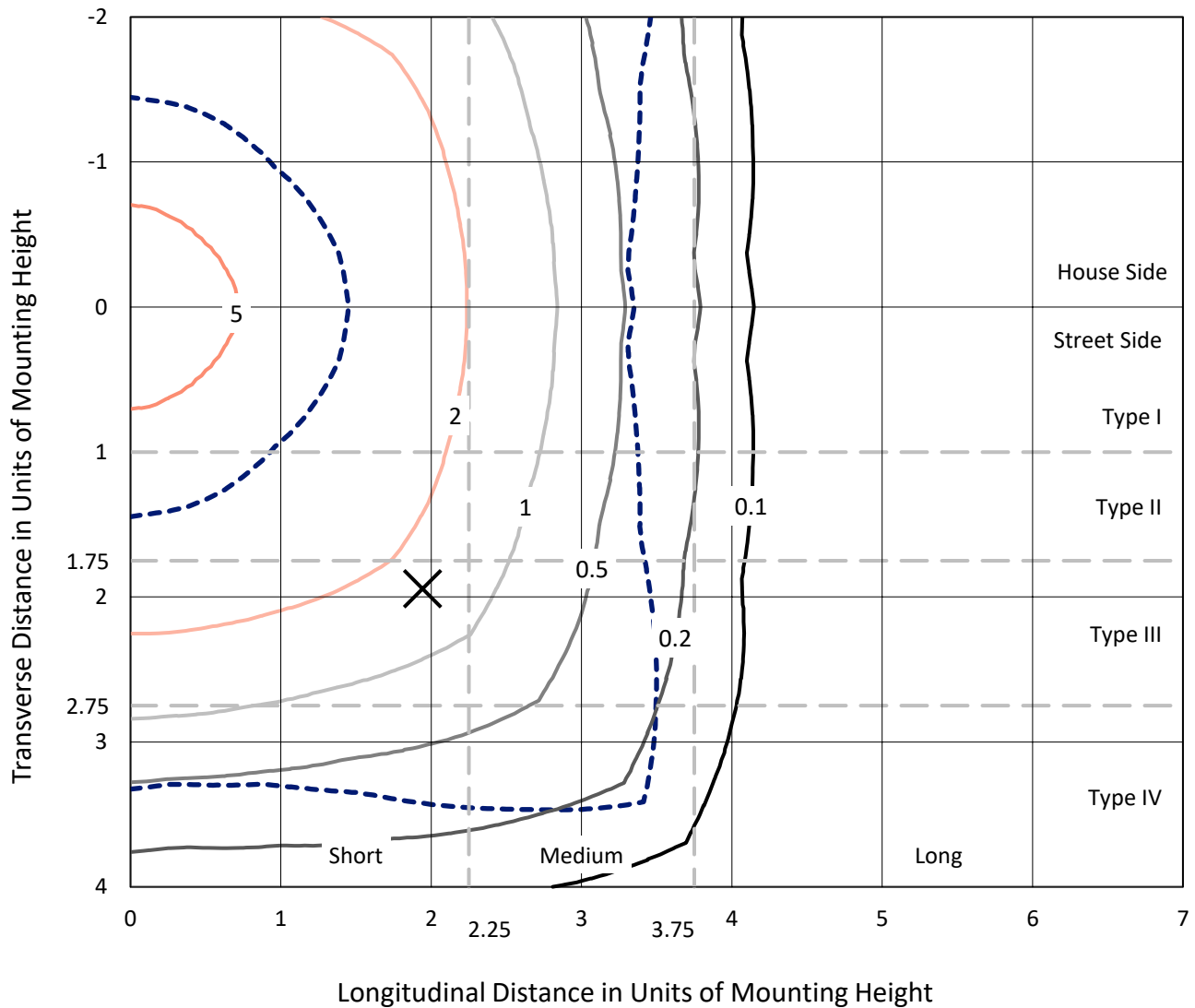


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Iso-Footcandle Lines of Horizontal Illumination

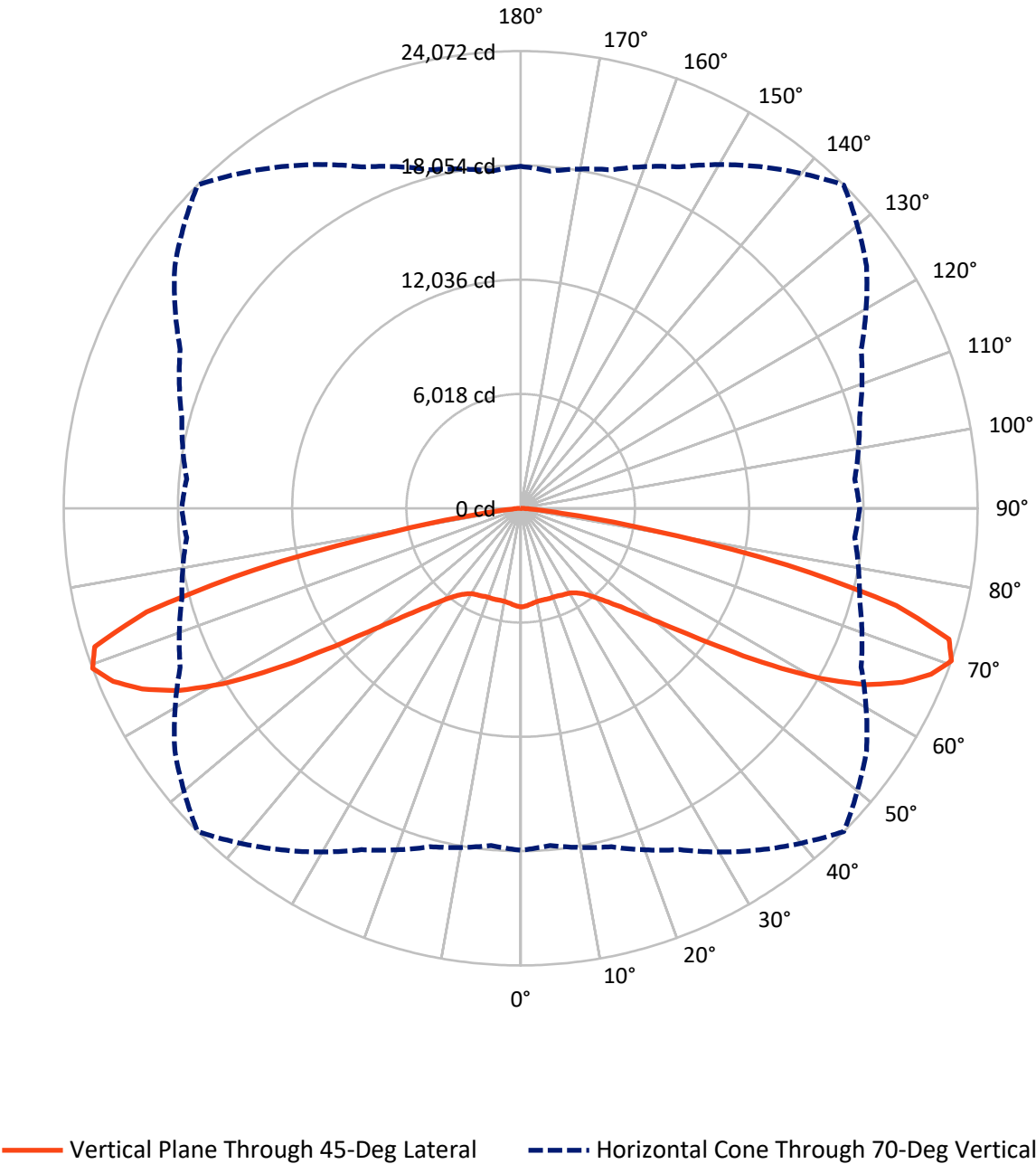
✕ Max cd
- - - 1/2 Max cd



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



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28499.5	0.0	28499.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28499.5	0.0	28499.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	56999.0	0.0	56999.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	483.7	0.8
10°-20°	1420.2	2.5
20°-30°	2363.4	4.1
30°-40°	3574.2	6.3
40°-50°	5939.4	10.4
50°-60°	11207.4	19.7
60°-70°	18924.2	33.2
70°-80°	12435.1	21.8
80°-90°	651.5	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°	56999.0	100.0
0°-180°	56999.0	100.0

Coefficient of Utilization



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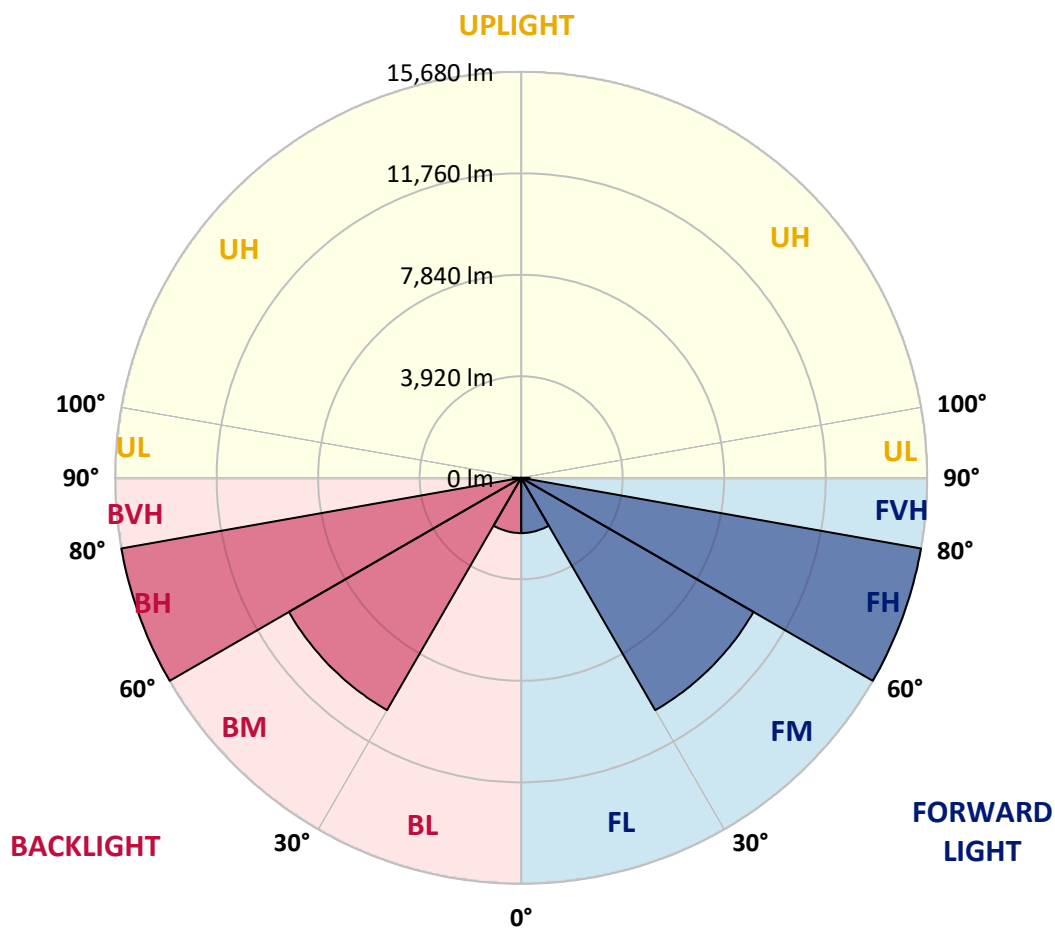
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2133.6	3.7			
FM	(30°-60°)	10360.5	18.2			
FH	(60°-80°)	15679.7	27.5			G5
FVH	(80°-90°)	325.7	0.6			G3/500
BL	(0°-30°)	2133.6	3.7	B3/2500		
BM	(30°-60°)	10360.5	18.2	B5		
BH	(60°-80°)	15679.7	27.5	B5		G5
BVH	(80°-90°)	325.7	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°	5199.5	5199.5	5199.5	5199.5	5199.5	5199.5	5199.5	5199.5	5199.5	5199.5
2.5°	5166.9	5181.7	5175.8	5163.9	5163.9	5155.0	5163.9	5169.8	5178.7	5184.6
5°	5098.7	5110.6	5107.6	5098.7	5101.7	5092.8	5098.7	5107.6	5113.5	5116.5
7.5°	5039.5	5051.3	5045.4	5030.6	5030.6	5021.7	5024.7	5033.5	5042.4	5045.4
10°	5024.7	5036.5	5018.7	4995.0	4986.1	4974.3	4977.3	4986.1	5003.9	5012.8
12.5°	5030.6	5039.5	5021.7	4986.1	4977.3	4965.4	4965.4	4974.3	4998.0	5009.8
15°	5048.4	5057.2	5030.6	4992.1	4983.2	4974.3	4971.3	4983.2	5009.8	5030.6
17.5°	5081.0	5089.8	5048.4	4995.0	4983.2	4986.1	4983.2	4992.1	5033.5	5072.1
20°	5110.6	5116.5	5060.2	4995.0	4983.2	4986.1	4983.2	5001.0	5054.3	5107.6
22.5°	5119.5	5125.4	5072.1	5015.8	5006.9	5009.8	5006.9	5024.7	5075.0	5128.4
25°	5122.4	5131.3	5089.8	5045.4	5060.2	5066.1	5060.2	5063.2	5101.7	5149.1
27.5°	5166.9	5178.7	5140.2	5101.7	5110.6	5107.6	5116.5	5125.4	5155.0	5202.4
30°	5258.7	5267.6	5235.0	5196.5	5190.6	5169.8	5196.5	5226.1	5258.7	5300.2
32.5°	5409.8	5427.6	5386.1	5344.6	5318.0	5306.1	5326.9	5377.2	5421.7	5466.1
35°	5661.6	5673.5	5635.0	5557.9	5510.5	5510.5	5528.3	5593.5	5664.6	5720.9
37.5°	6017.1	6032.0	5963.8	5872.0	5800.9	5800.9	5824.6	5892.7	5999.4	6079.4
40°	6449.7	6470.4	6384.5	6289.7	6221.6	6209.7	6239.3	6316.4	6417.1	6517.8
42.5°	6971.1	6994.8	6882.2	6799.3	6746.0	6746.0	6760.8	6831.9	6923.7	7048.2
45°	7637.7	7679.2	7525.1	7442.2	7391.8	7403.7	7412.6	7474.8	7557.7	7699.9
47.5°	8431.7	8473.2	8310.2	8224.3	8215.4	8271.7	8236.2	8280.6	8325.1	8488.0
50°	9332.4	9403.5	9290.9	9285.0	9302.7	9406.4	9323.5	9347.2	9296.8	9400.5
52.5°	10434.5	10538.2	10517.4	10553.0	10751.5	10964.8	10775.2	10692.2	10502.6	10535.2
55°	11770.6	11927.6	11957.3	12170.6	12620.9	13056.4	12653.5	12318.7	11915.8	11841.7
57.5°	13290.5	13414.9	13557.1	13992.6	14834.0	15607.3	14834.0	14093.3	13459.3	13308.2
60°	14925.8	15079.9	15216.2	15859.1	17109.3	18196.6	17085.6	15909.4	15071.0	14866.6
62.5°	16682.7	16881.2	16976.0	17690.0	19147.6	20445.3	19168.4	17743.3	16813.1	16593.8
65°	18368.4	18531.4	18638.1	19399.5	20791.9	22092.5	20886.7	19482.4	18525.5	18238.1
67.5°	19153.6	19242.4	19503.1	20365.3	21834.8	23319.0	22083.6	20457.1	19387.6	18884.0
70°	18004.0	17823.3	18451.4	19832.0	21959.2	24071.6	22243.6	19790.5	18481.0	17663.3
72.5°	13912.6	13601.5	14691.8	17053.0	20537.1	23591.6	20679.3	17186.4	15370.2	13711.2
75°	7569.6	7217.0	8722.1	11708.4	16377.5	20448.2	16753.8	12043.2	9711.6	7513.3
77.5°	2136.1	2002.8	3217.4	5664.6	9850.8	14357.0	10230.0	5789.0	3815.9	2263.5
80°	654.7	634.0	859.2	1706.5	4183.3	6876.3	4020.3	1727.2	1093.2	690.3
82.5°	388.1	355.5	426.6	622.2	1066.6	2159.8	1036.9	648.8	521.4	349.6
85°	222.2	207.4	251.8	302.2	358.5	459.2	299.2	308.1	278.5	186.6
87.5°	91.8	83.0	97.8	94.8	83.0	106.7	80.0	94.8	112.6	74.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5199.5
5181.7
5116.5
5045.4
5012.8
5012.8
5033.5
5072.1
5110.6
5128.4
5146.1
5190.6
5291.3
5448.3
5700.1
6049.7
6485.2
7039.3
7694.0
8440.6
9338.3
10425.6
11726.2
13201.6
14688.8
16416.1
18095.9
18889.9
17858.9
14123.0
8002.1
2515.3
728.8
379.2
195.5
68.1
0.0

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