

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: P971309

Luminaire Tested: **NVN-SB6D-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P971309
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB6D-722-U-5NQ
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54752.4 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

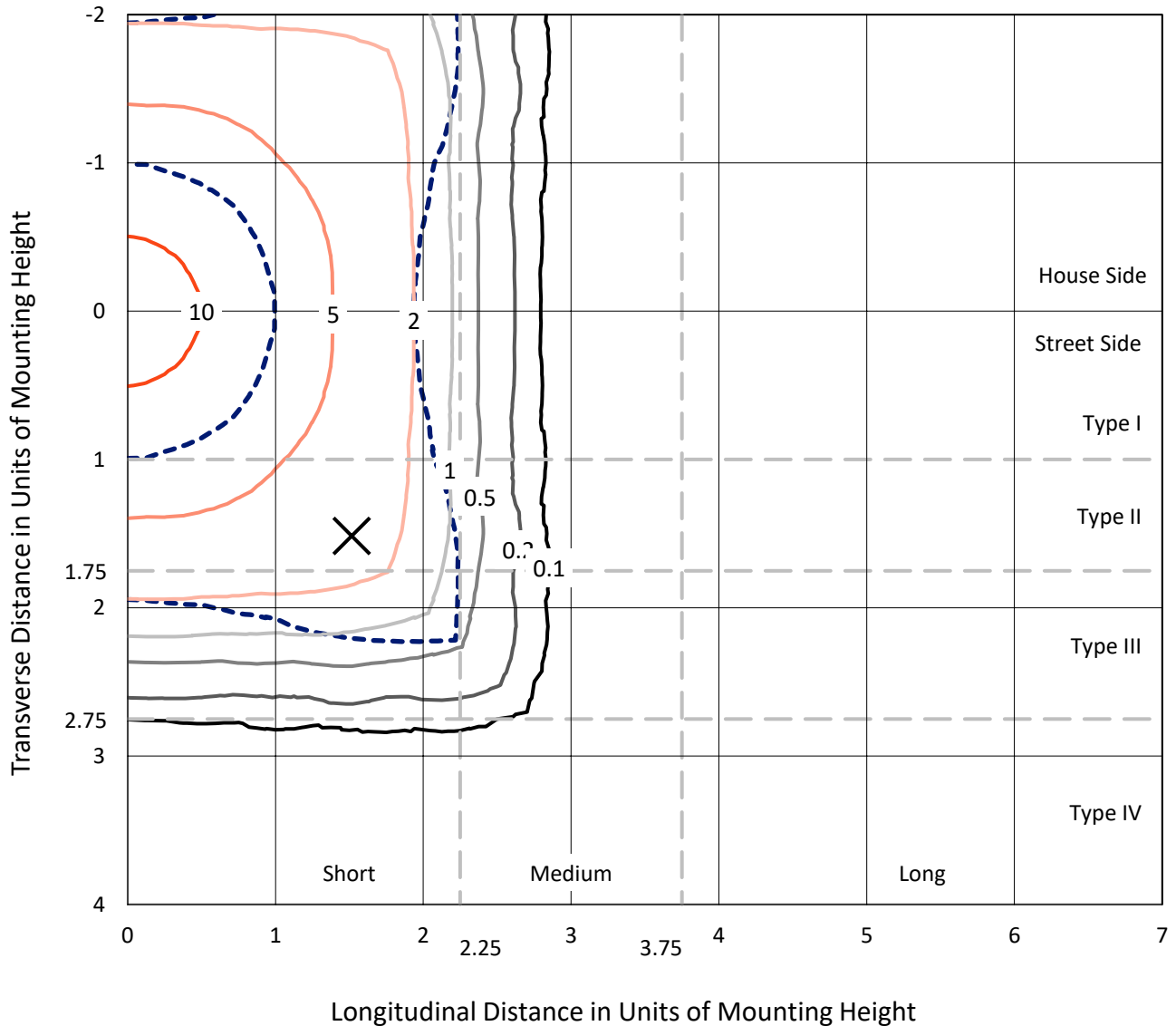
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

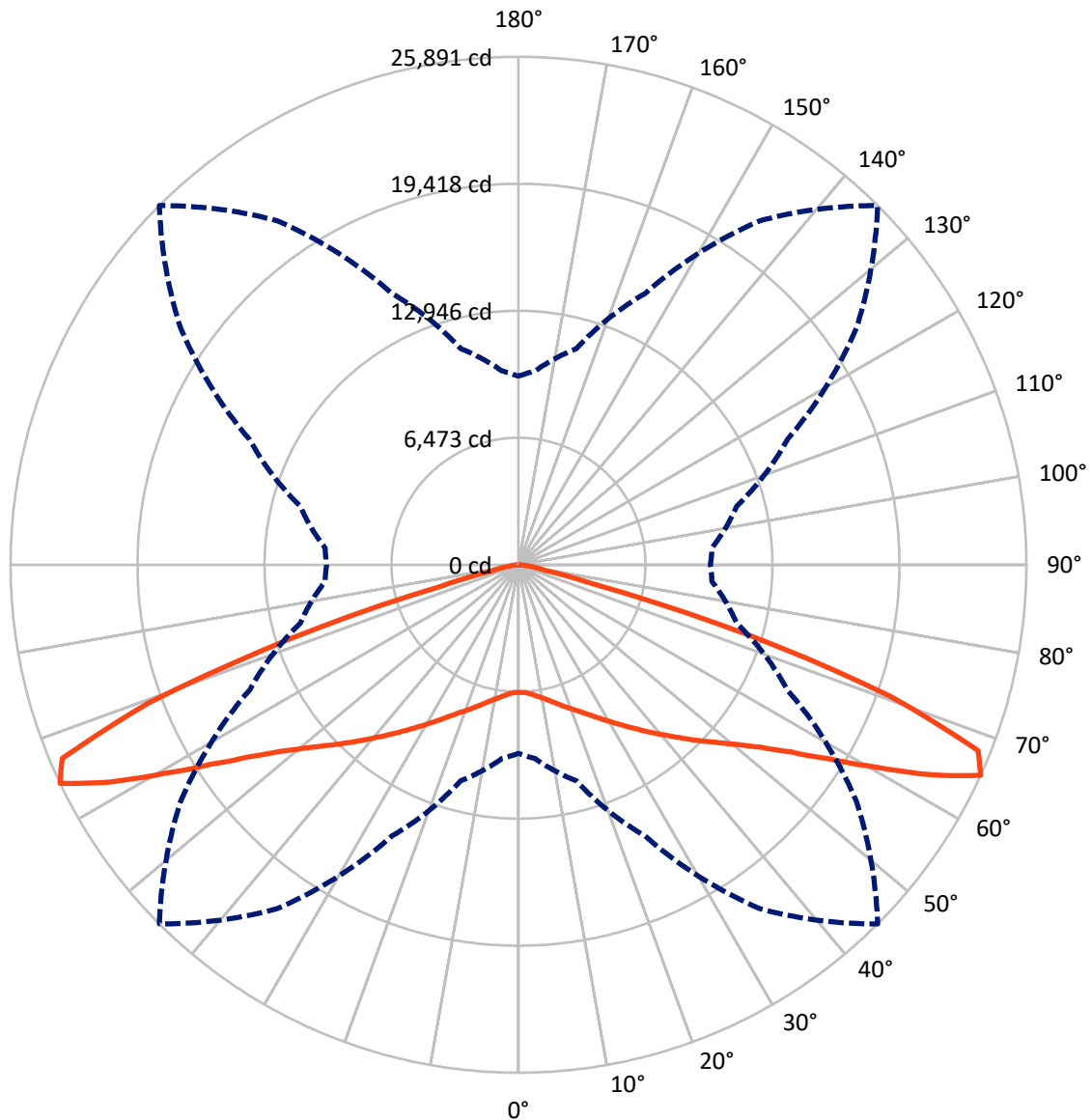
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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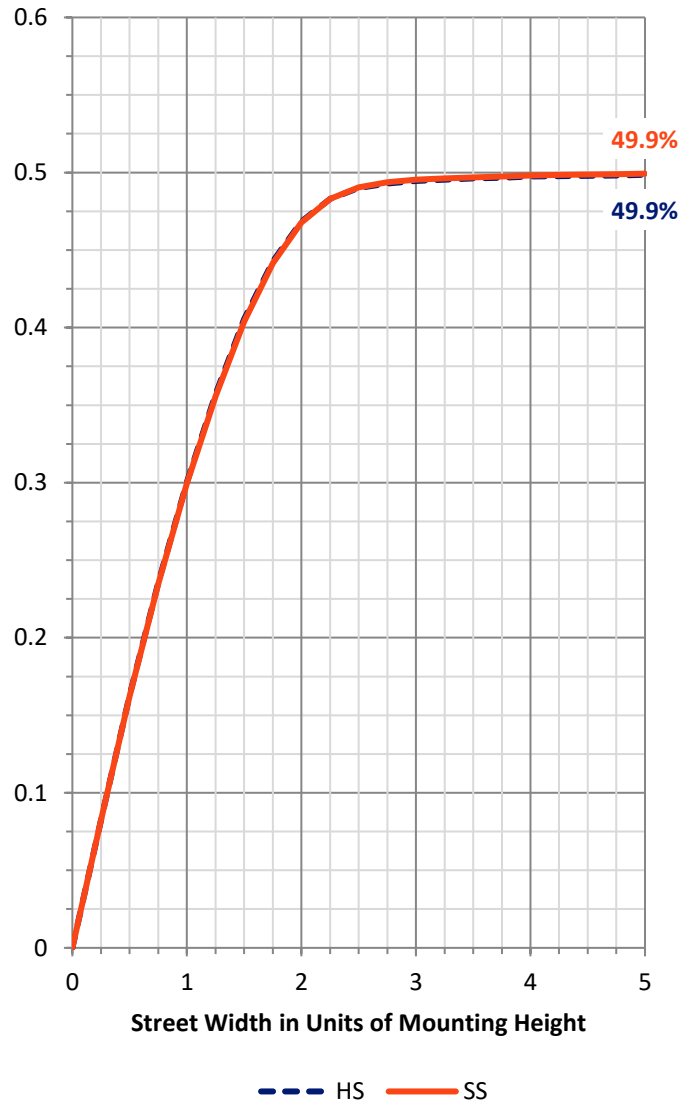
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27376.2	0.0	27376.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27376.2	0.0	27376.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	54752.4	0.0	54752.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	643.1	1.2
10°-20°	2098.4	3.8
20°-30°	3962.0	7.2
30°-40°	6487.7	11.8
40°-50°	10059.2	18.4
50°-60°	14859.5	27.1
60°-70°	14144.9	25.8
70°-80°	2282.5	4.2
80°-90°	215.1	0.4
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°	54752.4	100.0
0°-180°	54752.4	100.0

Coefficient of Utilization

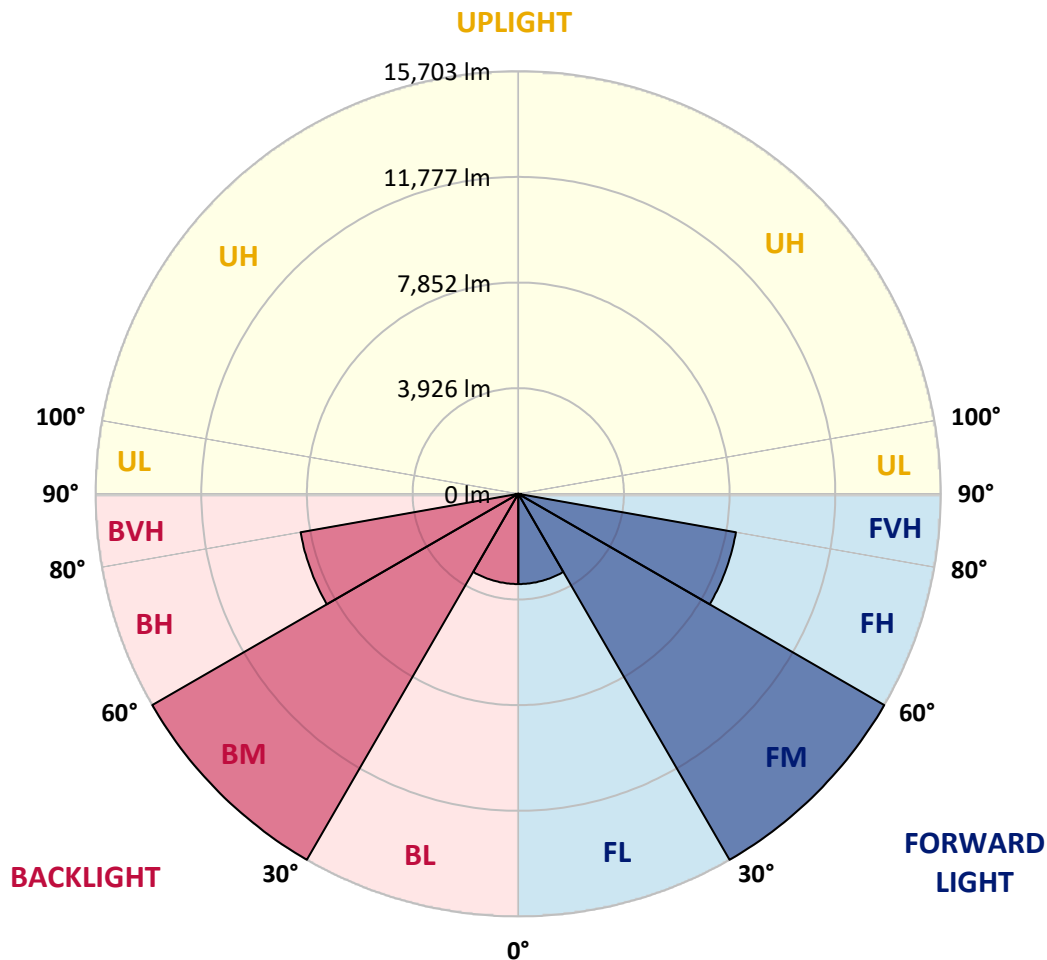


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3351.8	6.1			
FM (30°-60°)	15703.2	28.7			
FH (60°-80°)	8213.7	15.0			G4/12000
FVH (80°-90°)	107.6	0.2			G2/225
BL (0°-30°)	3351.8	6.1	B4/5000		
BM (30°-60°)	15703.2	28.7	B5		
BH (60°-80°)	8213.7	15.0	B5		G4/12000
BVH (80°-90°)	107.6	0.2			G2/225
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°	90°
0°	6516.1	6516.1	6516.1	6516.1	6516.1	6516.1	6516.1	6516.1	6516.1	6516.1	6516.1
2.5°	6560.0	6538.1	6554.6	6540.8	6529.9	6518.8	6524.3	6543.6	6551.8	6554.6	6554.6
5°	6647.9	6628.7	6637.0	6637.0	6617.7	6612.3	6614.9	6628.7	6645.2	6645.2	6645.2
7.5°	6790.8	6771.6	6790.8	6779.8	6763.4	6757.8	6755.1	6766.0	6790.8	6790.8	6782.5
10°	6963.8	6941.9	6952.9	6947.3	6928.2	6919.9	6917.1	6933.6	6955.6	6952.9	6947.3
12.5°	7153.4	7128.7	7142.4	7125.9	7120.5	7112.2	7112.2	7109.5	7123.2	7112.2	7117.7
15°	7364.9	7348.4	7354.0	7343.0	7351.2	7345.7	7323.7	7312.8	7318.2	7301.8	7304.5
17.5°	7614.9	7576.5	7595.7	7590.2	7590.2	7601.2	7565.4	7551.7	7562.8	7546.3	7560.0
20°	7903.4	7864.9	7873.1	7862.2	7848.4	7859.4	7815.4	7826.5	7834.7	7823.7	7848.4
22.5°	8219.3	8169.9	8167.1	8172.5	8142.4	8145.1	8114.9	8142.4	8158.8	8128.7	8158.8
25°	8543.5	8491.2	8527.0	8513.2	8474.8	8483.0	8461.1	8488.5	8502.3	8463.7	8507.7
27.5°	8886.9	8851.1	8884.1	8892.3	8845.6	8878.6	8845.6	8870.3	8884.1	8826.4	8870.3
30°	9287.9	9252.2	9282.4	9304.3	9249.4	9301.7	9274.2	9290.6	9293.4	9224.7	9265.9
32.5°	9724.7	9669.7	9746.6	9757.7	9697.2	9760.4	9724.7	9746.6	9760.4	9667.0	9730.2
35°	10257.6	10188.9	10276.9	10263.1	10210.9	10263.1	10230.1	10263.1	10296.1	10183.5	10252.2
37.5°	10831.8	10760.3	10853.7	10829.0	10779.5	10815.3	10796.0	10818.1	10870.2	10749.4	10823.5
40°	11463.6	11375.7	11502.0	11458.1	11411.4	11405.9	11416.9	11430.6	11499.3	11364.7	11408.7
42.5°	12139.4	12046.0	12235.5	12166.9	12100.9	12057.0	12092.6	12120.1	12186.0	12034.9	12114.7
45°	12911.3	12804.2	13051.4	12969.0	12864.6	12774.0	12831.7	12872.9	12969.0	12787.7	12881.1
47.5°	13762.9	13642.0	13905.8	13881.1	13710.7	13512.9	13644.8	13762.9	13834.3	13614.6	13688.8
50°	14595.3	14501.9	14847.9	14878.2	14669.4	14392.0	14576.0	14754.6	14773.8	14485.4	14521.1
52.5°	15375.4	15282.0	15784.8	15974.3	15787.5	15457.8	15652.9	15834.2	15688.6	15315.0	15326.0
55°	15999.0	15922.1	16562.2	17051.2	17114.3	16842.4	16957.8	16952.3	16474.3	15900.1	15919.4
57.5°	16150.1	16139.1	16946.7	17982.4	18641.7	18674.7	18446.7	17864.3	16834.1	16062.2	16012.8
60°	15463.4	15532.0	16641.8	18468.7	20226.8	20957.6	19971.3	18309.4	16424.8	15353.5	15227.1
62.5°	13408.5	13589.9	14927.7	17875.3	21507.0	23583.7	21193.7	17633.6	14743.6	13345.3	13262.9
65°	9609.3	9925.2	11403.1	15254.6	21391.5	25891.3	21017.9	15130.9	11513.0	9900.5	9782.4
67.5°	4359.6	4681.1	5936.5	10444.4	18595.0	25264.9	18551.1	10554.3	6233.1	4697.5	4628.8
70°	1579.5	1634.5	2038.3	4181.1	11883.8	20130.6	12392.1	4211.3	2167.5	1741.7	1719.6
72.5°	956.0	964.2	1049.4	1497.1	4128.9	12221.8	4304.7	1546.6	1071.3	950.5	967.0
75°	607.1	601.6	747.2	914.8	1464.2	4123.4	1535.7	914.8	744.5	678.6	684.0
77.5°	436.8	450.5	535.7	684.0	923.0	1398.3	906.5	653.8	535.7	439.5	447.8
80°	326.9	335.2	390.1	532.9	648.3	870.8	576.9	483.5	403.8	274.7	282.9
82.5°	236.3	236.3	255.4	387.3	395.5	469.8	313.1	340.6	266.5	195.1	195.1
85°	140.1	137.4	159.3	230.7	206.0	173.0	142.9	208.8	167.6	120.8	118.1
87.5°	49.4	52.2	49.4	65.9	54.9	46.7	44.0	57.7	46.7	41.2	38.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)