

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: P970999

Luminaire Tested: **NVN-SB6C-827-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P970999  
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-SB6C-827-U-5NQ  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

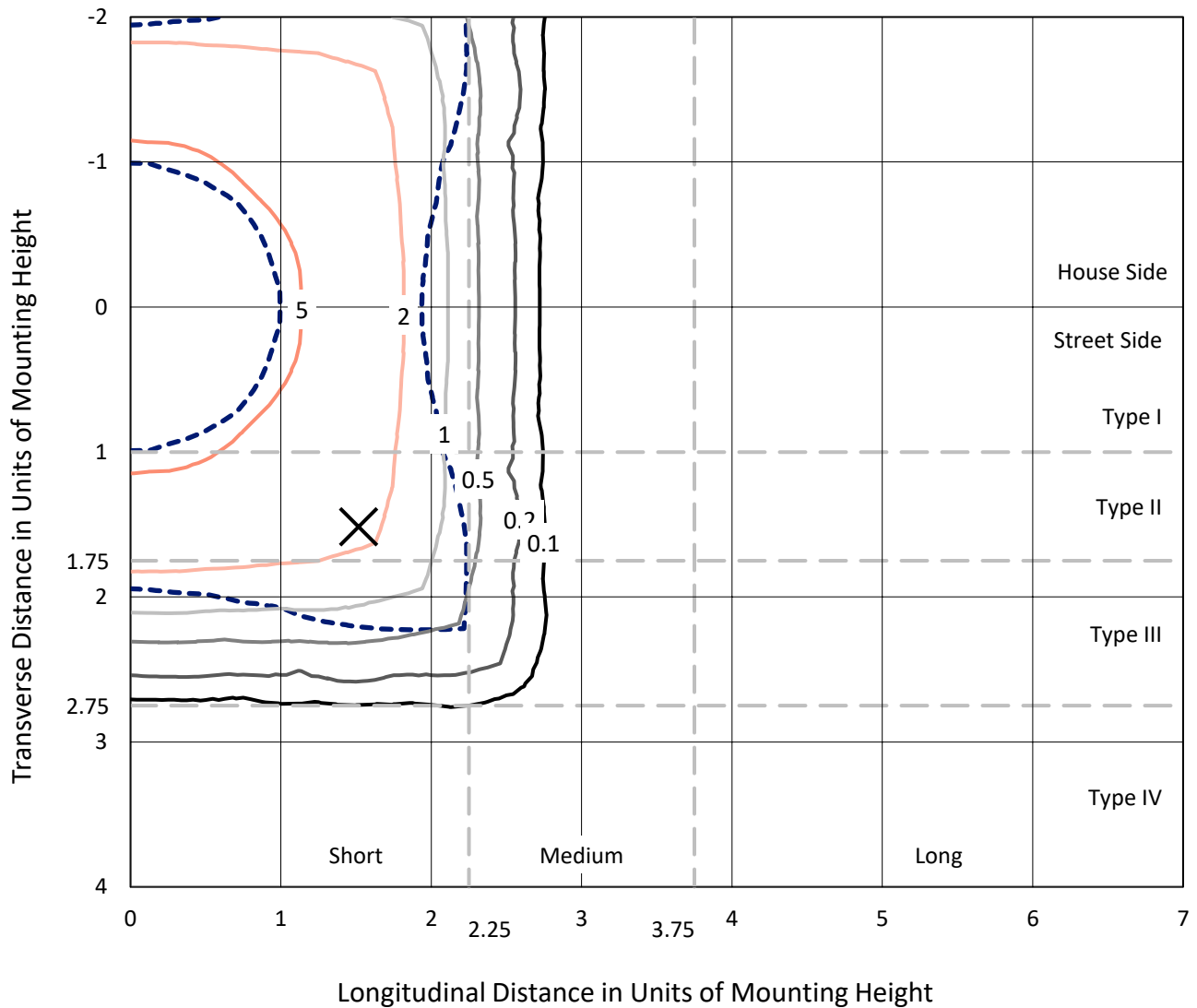
Lumens per Lamp: N/A  
Luminaire Lumens: 42416.6 lumens  
Efficiency: N/A  
Efficacy: 141.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

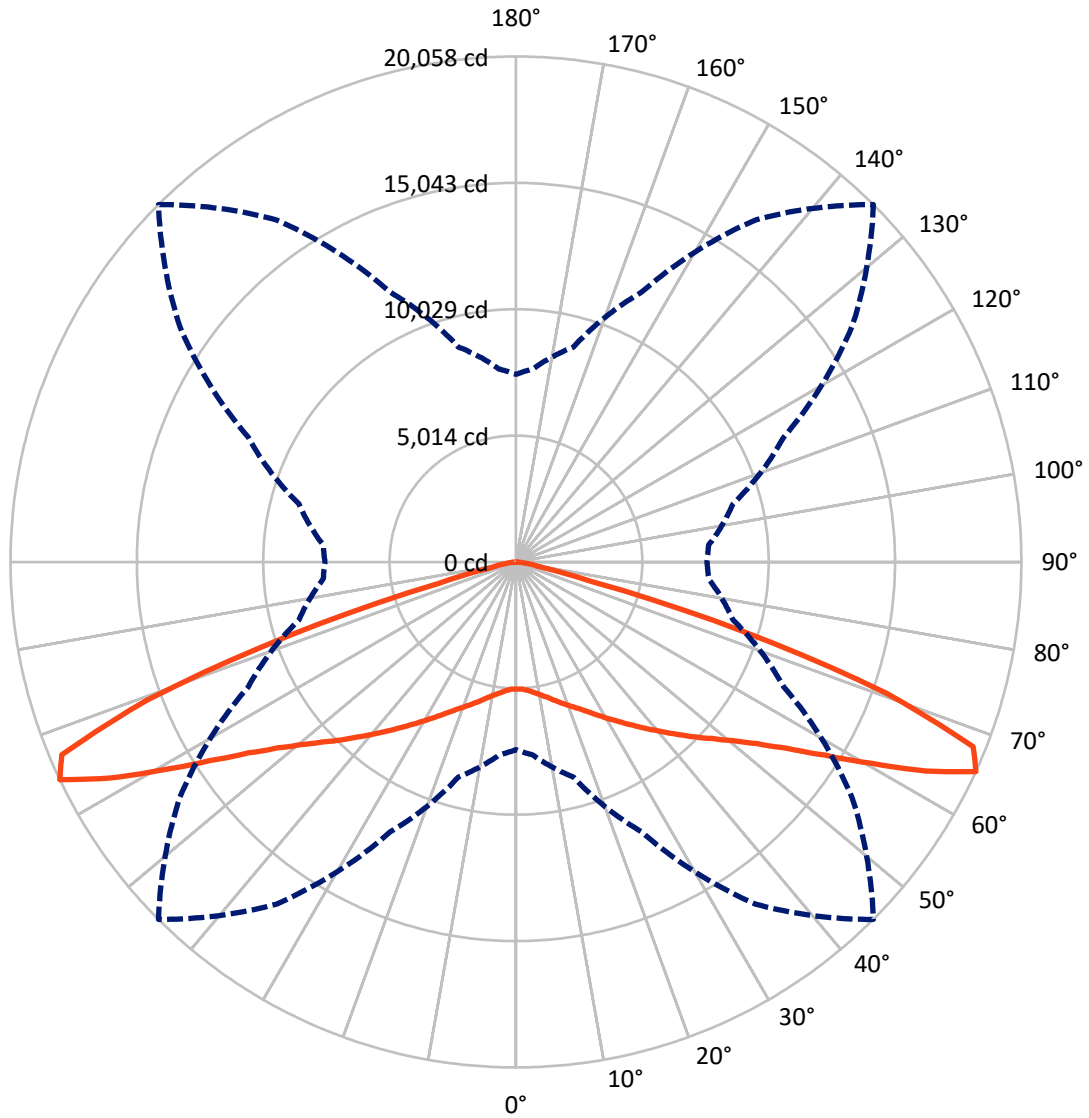
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 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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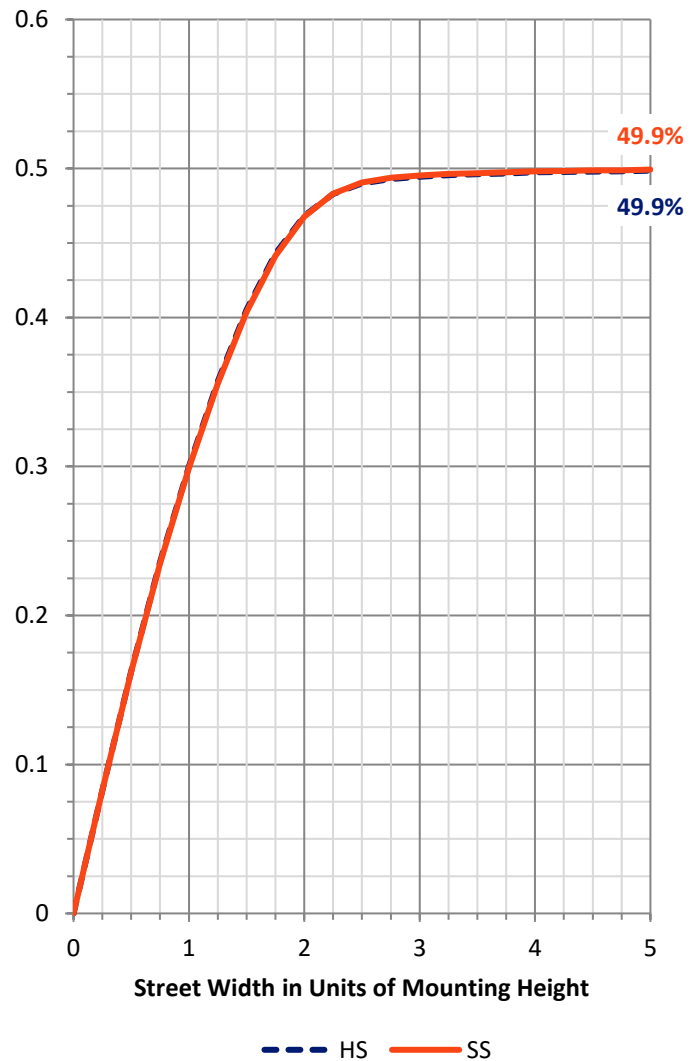
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	21208.3	0.0	21208.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21208.3	0.0	21208.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	42416.6	0.0	42416.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	498.2	1.2
10°-20°	1625.6	3.8
20°-30°	3069.4	7.2
30°-40°	5026.0	11.8
40°-50°	7792.8	18.4
50°-60°	11511.6	27.1
60°-70°	10958.0	25.8
70°-80°	1768.2	4.2
80°-90°	166.7	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°	42416.6	100.0
0°-180°	42416.6	100.0



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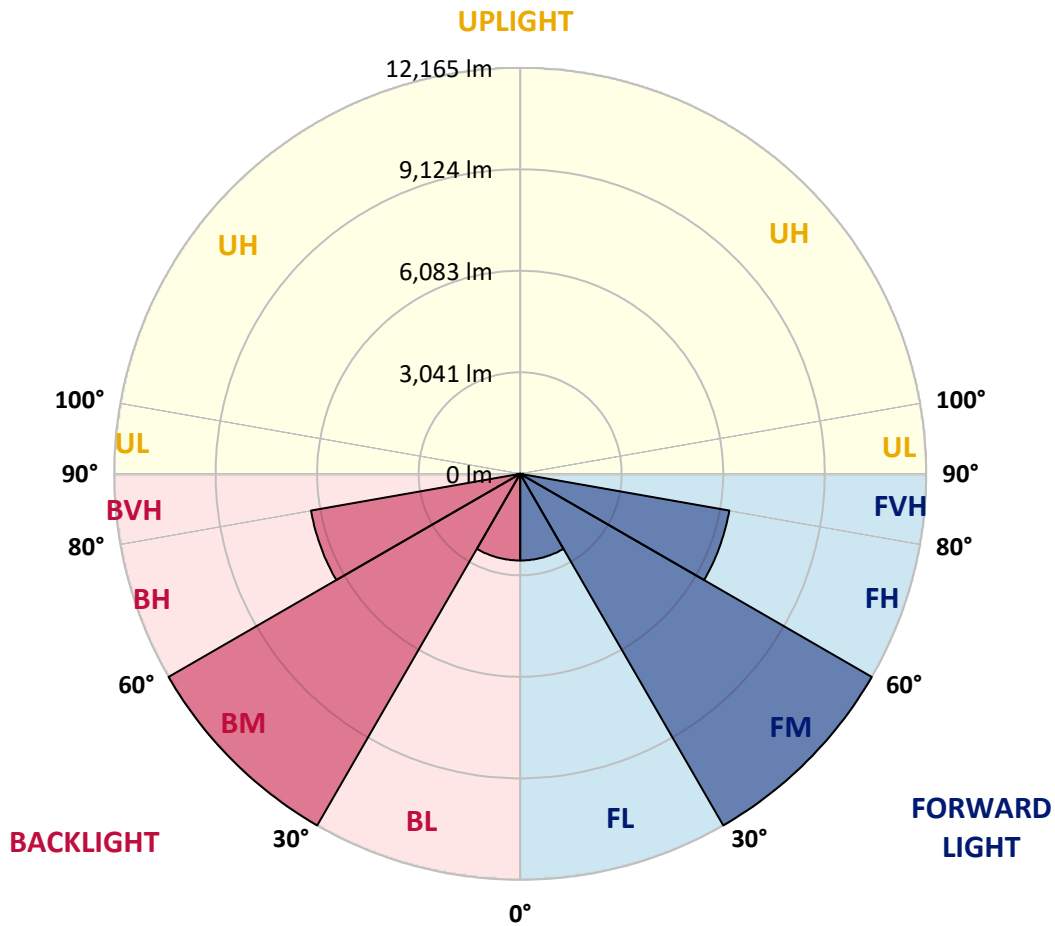
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2596.6	6.1			
FM (30°-60°)	12165.2	28.7			
FH (60°-80°)	6363.1	15.0			G3/7500
FVH (80°-90°)	83.3	0.2			G1/100
BL (0°-30°)	2596.6	6.1	B4/5000		
BM (30°-60°)	12165.2	28.7	B5		
BH (60°-80°)	6363.1	15.0	B5		G3/7500
BVH (80°-90°)	83.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5048.0	5048.0	5048.0	5048.0	5048.0	5048.0	5048.0	5048.0	5048.0	5048.0	5048.0
2.5°	5082.1	5065.0	5077.7	5067.2	5058.7	5050.1	5054.4	5069.2	5075.7	5077.7	5077.7
5°	5150.1	5135.2	5141.6	5141.6	5126.7	5122.4	5124.6	5135.2	5148.1	5148.1	5148.1
7.5°	5260.8	5246.0	5260.8	5252.3	5239.5	5235.3	5233.1	5241.6	5260.8	5260.8	5254.5
10°	5394.9	5377.9	5386.4	5382.1	5367.2	5360.9	5358.7	5371.5	5388.5	5386.4	5382.1
12.5°	5541.8	5522.6	5533.3	5520.4	5516.1	5509.8	5509.8	5507.6	5518.3	5509.8	5514.1
15°	5705.6	5692.8	5697.1	5688.5	5695.0	5690.7	5673.7	5665.2	5669.4	5656.7	5658.8
17.5°	5899.3	5869.5	5884.3	5880.1	5880.1	5888.6	5861.0	5850.3	5858.8	5846.1	5856.6
20°	6122.7	6092.9	6099.3	6090.8	6080.2	6088.7	6054.6	6063.1	6069.5	6061.0	6080.2
22.5°	6367.4	6329.2	6327.0	6331.3	6307.8	6310.0	6286.6	6307.8	6320.7	6297.2	6320.7
25°	6618.5	6578.1	6605.8	6595.2	6565.3	6571.8	6554.8	6576.0	6586.6	6556.8	6591.0
27.5°	6884.6	6856.9	6882.5	6888.8	6852.6	6878.2	6852.6	6871.8	6882.5	6837.8	6871.8
30°	7195.3	7167.6	7191.1	7208.1	7165.5	7206.0	7184.6	7197.4	7199.6	7146.4	7178.3
32.5°	7533.6	7491.1	7550.7	7559.3	7512.4	7561.3	7533.6	7550.7	7561.3	7489.0	7538.0
35°	7946.5	7893.3	7961.5	7950.8	7910.3	7950.8	7925.3	7950.8	7976.3	7889.1	7942.3
37.5°	8391.4	8336.0	8408.4	8389.2	8350.9	8378.6	8363.7	8380.7	8421.1	8327.5	8384.9
40°	8880.8	8812.7	8910.6	8876.6	8840.4	8836.1	8844.6	8855.3	8908.5	8804.2	8838.3
42.5°	9404.4	9332.0	9478.8	9425.6	9374.5	9340.5	9368.2	9389.4	9440.6	9323.5	9385.2
45°	10002.4	9919.3	10110.9	10047.0	9966.2	9896.0	9940.7	9972.5	10047.0	9906.6	9978.9
47.5°	10662.0	10568.5	10772.7	10753.6	10621.7	10468.4	10570.5	10662.0	10717.4	10547.1	10604.6
50°	11306.9	11234.5	11502.7	11526.1	11364.4	11149.4	11292.0	11430.4	11445.3	11221.8	11249.5
52.5°	11911.3	11839.0	12228.4	12375.2	12230.5	11975.2	12126.3	12266.7	12153.9	11864.5	11873.0
55°	12394.4	12334.8	12830.6	13209.5	13258.5	13047.7	13137.1	13132.9	12762.6	12317.8	12332.7
57.5°	12511.5	12502.9	13128.6	13931.0	14441.7	14467.3	14290.6	13839.4	13041.4	12443.4	12405.1
60°	11979.4	12032.6	12892.3	14307.6	15669.7	16235.7	15471.8	14184.2	12724.2	11894.3	11796.4
62.5°	10387.6	10528.0	11564.5	13848.0	16661.4	18270.2	16418.8	13660.7	11421.8	10338.6	10274.7
65°	7444.3	7689.0	8834.0	11817.6	16572.0	20057.9	16282.5	11721.9	8919.1	7669.9	7578.3
67.5°	3377.4	3626.3	4599.0	8091.2	14405.6	19572.7	14371.4	8176.4	4828.8	3639.2	3586.0
70°	1223.6	1266.3	1579.1	3239.1	9206.4	15595.2	9600.2	3262.5	1679.2	1349.2	1332.2
72.5°	740.6	747.0	812.9	1159.9	3198.6	9468.1	3334.8	1198.1	829.9	736.4	749.1
75°	470.4	466.1	578.8	708.7	1134.3	3194.4	1189.6	708.7	576.8	525.6	529.9
77.5°	338.4	349.0	415.0	529.9	715.0	1083.2	702.3	506.5	415.0	340.5	346.9
80°	253.3	259.6	302.2	412.9	502.2	674.7	446.9	374.5	312.8	212.8	219.2
82.5°	183.1	183.1	197.9	300.1	306.5	363.9	242.6	263.9	206.4	151.1	151.1
85°	108.5	106.4	123.4	178.8	159.6	134.1	110.7	161.7	129.9	93.7	91.5
87.5°	38.3	40.4	38.3	51.0	42.5	36.2	34.0	44.7	36.2	31.9	29.8
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)