

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: P965729

Luminaire Tested: **NVN-SB4A-827-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P965729  
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-SB4A-827-U-5NQ  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

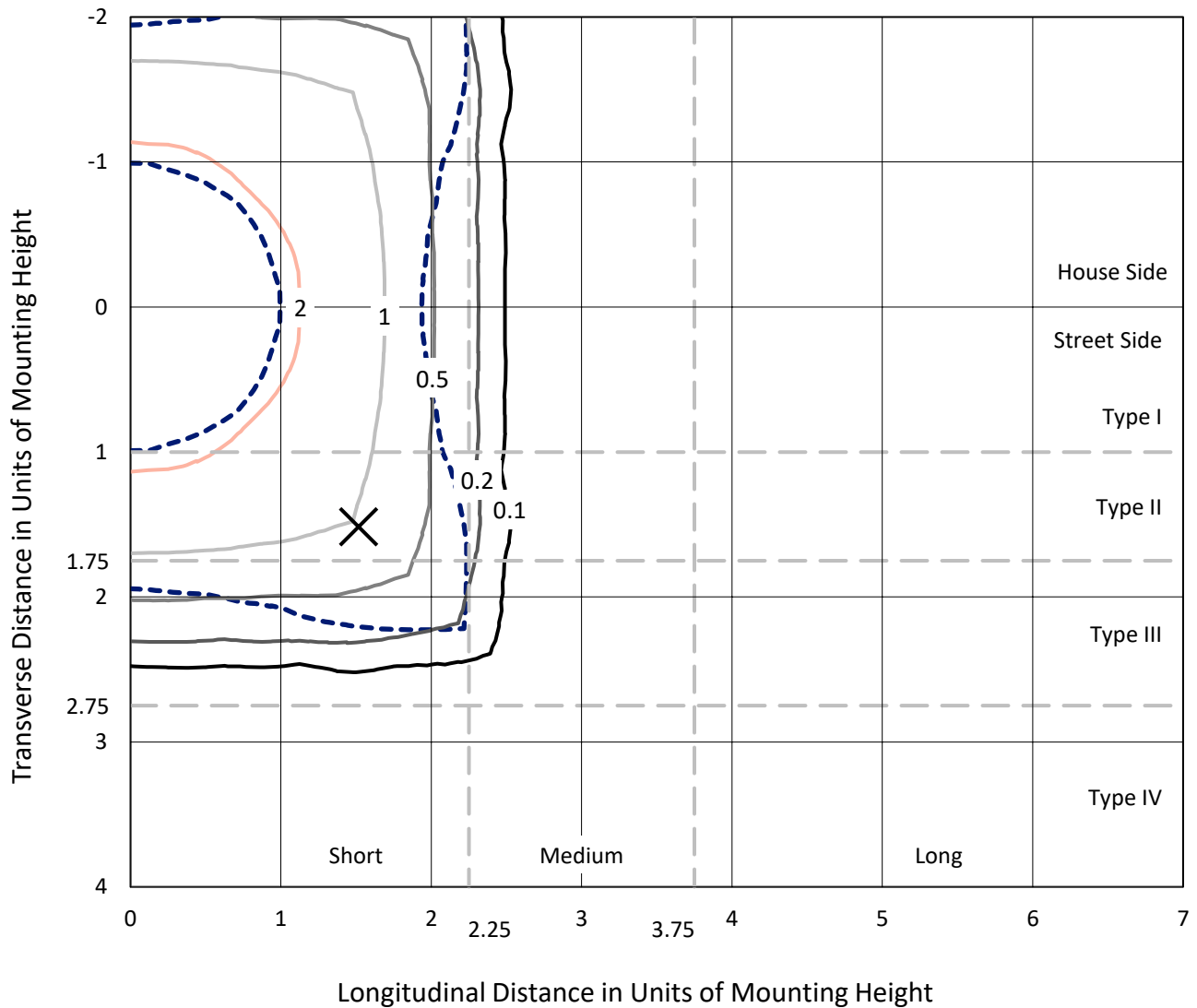
Lumens per Lamp: N/A  
Luminaire Lumens: 16791.5 lumens  
Efficiency: N/A  
Efficacy: 147.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

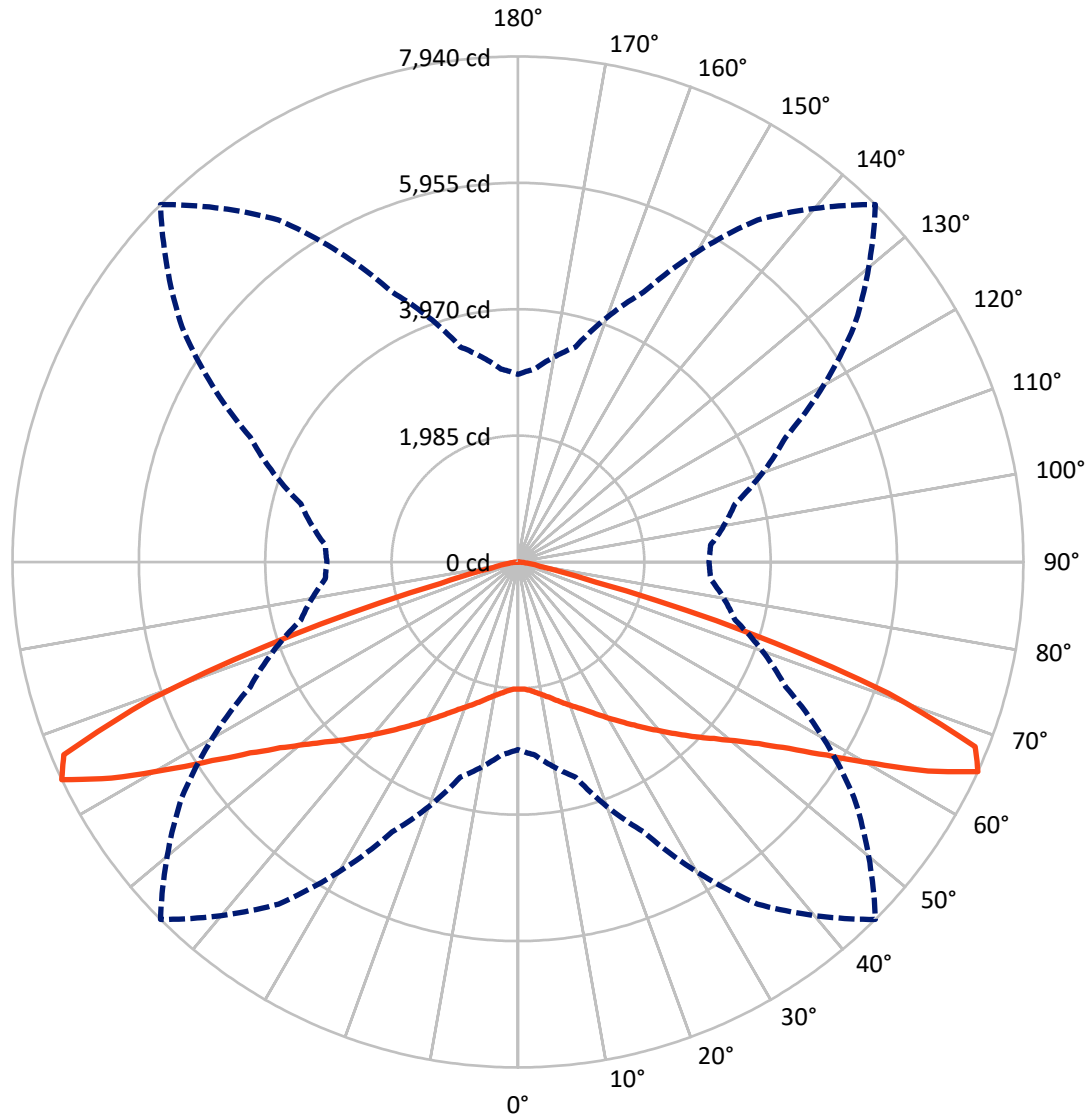
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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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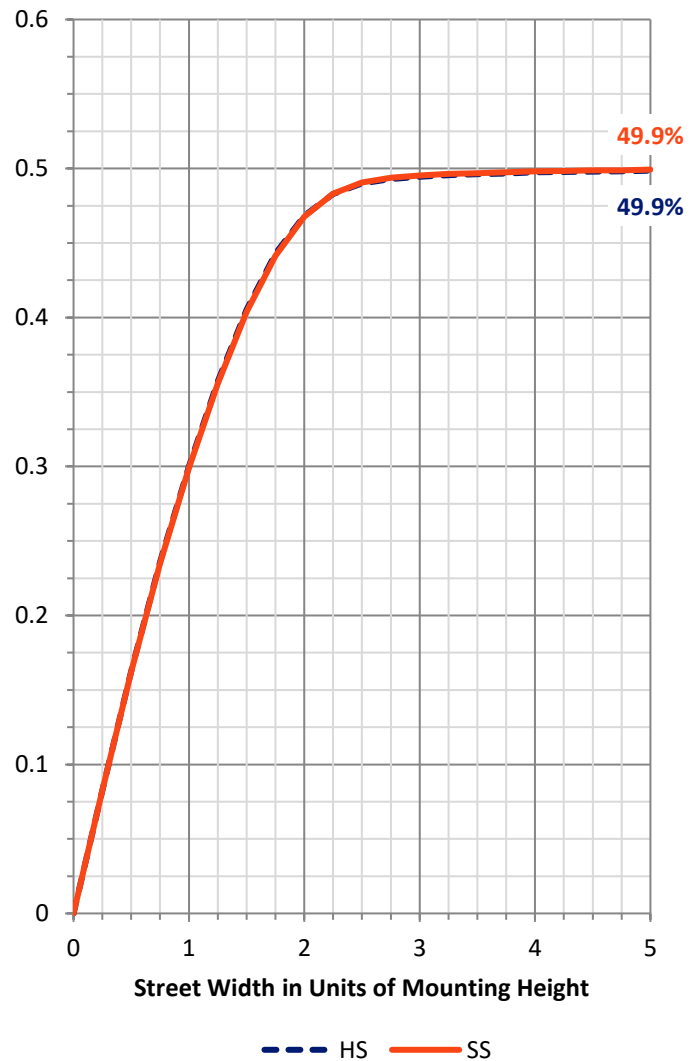
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8395.8	0.0	8395.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8395.8	0.0	8395.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16791.5	0.0	16791.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	197.2	1.2
10°-20°	643.5	3.8
20°-30°	1215.1	7.2
30°-40°	1989.6	11.8
40°-50°	3085.0	18.4
50°-60°	4557.1	27.1
60°-70°	4338.0	25.8
70°-80°	700.0	4.2
80°-90°	66.0	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°	16791.5	100.0
0°-180°	16791.5	100.0



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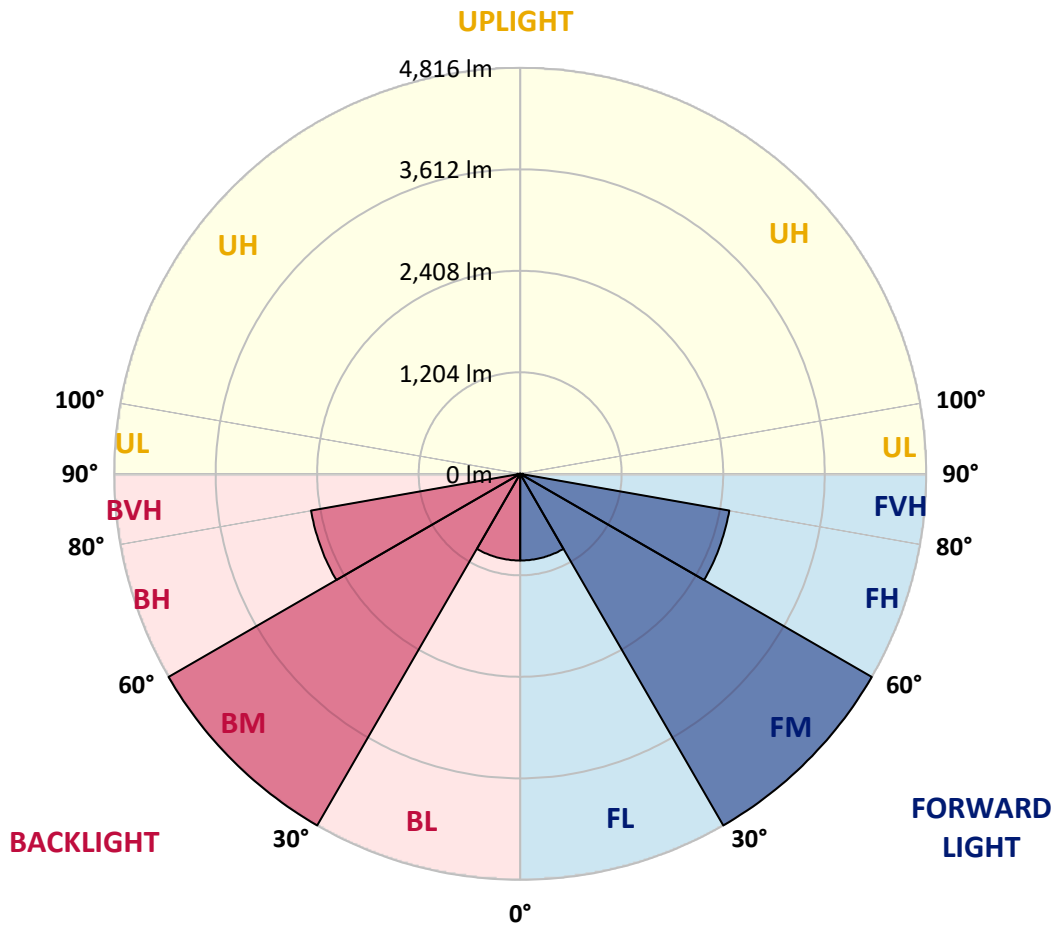
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1027.9	6.1			
FM (30°-60°)	4815.9	28.7			
FH (60°-80°)	2519.0	15.0			G2/5000
FVH (80°-90°)	33.0	0.2			G1/100
BL (0°-30°)	1027.9	6.1	B3/2500		
BM (30°-60°)	4815.9	28.7	B3/5000		
BH (60°-80°)	2519.0	15.0	B4/5000		G2/5000
BVH (80°-90°)	33.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1998.3	1998.3	1998.3	1998.3	1998.3	1998.3	1998.3	1998.3	1998.3	1998.3	1998.3
2.5°	2011.9	2005.1	2010.1	2005.9	2002.5	1999.2	2000.9	2006.7	2009.3	2010.1	2010.1
5°	2038.8	2032.9	2035.4	2035.4	2029.5	2027.9	2028.7	2032.9	2038.0	2038.0	2038.0
7.5°	2082.6	2076.8	2082.6	2079.2	2074.2	2072.5	2071.6	2075.0	2082.6	2082.6	2080.0
10°	2135.7	2128.9	2132.3	2130.7	2124.7	2122.2	2121.3	2126.5	2133.1	2132.3	2130.7
12.5°	2193.8	2186.2	2190.4	2185.4	2183.7	2181.2	2181.2	2180.4	2184.6	2181.2	2182.8
15°	2258.7	2253.7	2255.3	2251.9	2254.5	2252.7	2246.1	2242.7	2244.3	2239.3	2240.1
17.5°	2335.4	2323.6	2329.4	2327.8	2327.8	2331.2	2320.2	2316.0	2319.4	2314.2	2318.5
20°	2423.8	2412.0	2414.6	2411.2	2407.0	2410.3	2396.9	2400.2	2402.7	2399.4	2407.0
22.5°	2520.7	2505.5	2504.7	2506.3	2497.1	2497.9	2488.7	2497.1	2502.1	2492.9	2502.1
25°	2620.1	2604.1	2615.1	2610.9	2599.1	2601.6	2594.8	2603.3	2607.5	2595.7	2609.1
27.5°	2725.4	2714.5	2724.6	2727.1	2712.8	2722.9	2712.8	2720.4	2724.6	2706.9	2720.4
30°	2848.5	2837.5	2846.7	2853.5	2836.6	2852.7	2844.2	2849.3	2850.1	2829.0	2841.7
32.5°	2982.3	2965.5	2989.1	2992.5	2973.9	2993.3	2982.3	2989.1	2993.3	2964.7	2984.1
35°	3145.8	3124.7	3151.7	3147.5	3131.5	3147.5	3137.4	3147.5	3157.6	3123.1	3144.1
37.5°	3321.9	3300.0	3328.7	3321.1	3305.9	3316.8	3311.0	3317.7	3333.7	3296.6	3319.4
40°	3515.6	3488.7	3527.4	3514.0	3499.7	3498.0	3501.3	3505.6	3526.6	3485.3	3498.8
42.5°	3722.9	3694.3	3752.4	3731.3	3711.1	3697.7	3708.6	3717.1	3737.3	3690.9	3715.3
45°	3959.7	3926.8	4002.6	3977.3	3945.3	3917.6	3935.2	3947.9	3977.3	3921.8	3950.3
47.5°	4220.8	4183.7	4264.6	4257.0	4204.9	4144.2	4184.6	4220.8	4242.7	4175.3	4198.1
50°	4476.1	4447.5	4553.6	4562.9	4498.8	4413.8	4470.2	4525.0	4530.8	4442.3	4453.3
52.5°	4715.4	4686.7	4840.9	4899.0	4841.7	4740.6	4800.5	4856.0	4811.5	4696.9	4700.2
55°	4906.6	4883.0	5079.3	5229.2	5248.6	5165.3	5200.6	5198.9	5052.3	4876.2	4882.2
57.5°	4952.9	4949.5	5197.3	5514.9	5717.0	5727.2	5657.3	5478.6	5162.7	4925.9	4910.8
60°	4742.4	4763.4	5103.8	5663.9	6203.2	6427.3	6124.8	5615.2	5037.2	4708.6	4669.9
62.5°	4112.1	4167.8	4578.1	5482.0	6595.8	7232.7	6499.7	5407.9	4521.6	4092.7	4067.5
65°	2947.0	3043.8	3497.1	4678.3	6560.4	7940.4	6445.8	4640.4	3530.8	3036.3	3000.1
67.5°	1337.0	1435.6	1820.6	3203.1	5702.8	7748.3	5689.3	3236.8	1911.6	1440.6	1419.6
70°	484.4	501.2	625.1	1282.3	3644.6	6173.7	3800.4	1291.5	664.7	534.1	527.4
72.5°	293.2	295.7	321.8	459.2	1266.3	3748.2	1320.2	474.3	328.6	291.5	296.5
75°	186.1	184.5	229.2	280.5	449.1	1264.5	471.0	280.5	228.3	208.1	209.8
77.5°	134.0	138.2	164.3	209.8	283.1	428.9	278.0	200.5	164.3	134.8	137.4
80°	100.2	102.8	119.6	163.5	198.8	267.1	176.9	148.3	123.8	84.3	86.8
82.5°	72.5	72.5	78.3	118.8	121.4	144.1	96.0	104.4	81.7	59.9	59.9
85°	42.9	42.1	48.9	70.7	63.1	53.1	43.8	64.1	51.4	37.1	36.2
87.5°	15.2	16.0	15.2	20.2	16.8	14.3	13.5	17.7	14.3	12.6	11.8
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)