

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: P969946

Luminaire Tested: **NVN-SB6A-827-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P969946
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: NVN-SB6A-827-U-5WQ
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24524.1 lumens
Efficiency: N/A
Efficacy: 143.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

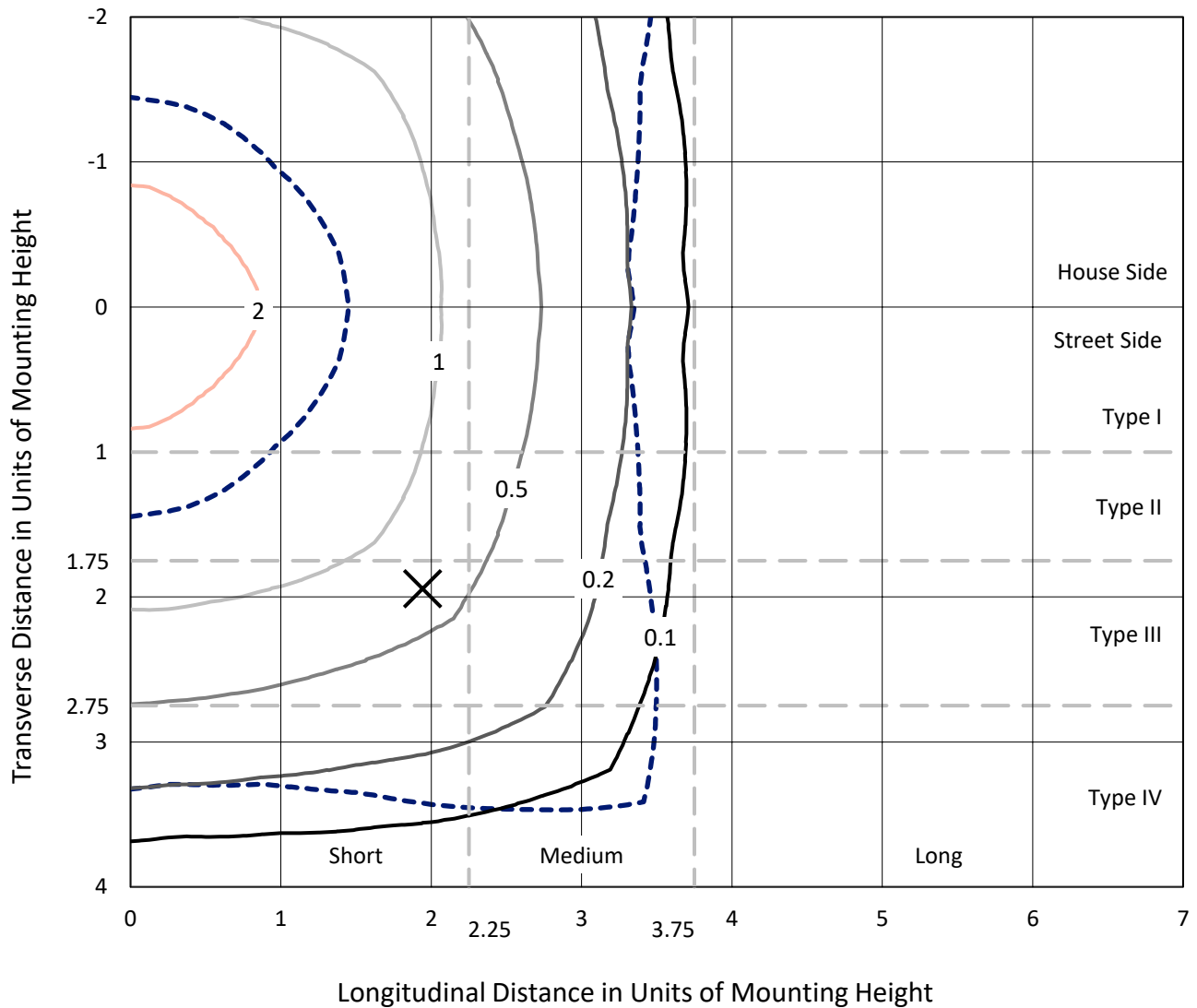
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

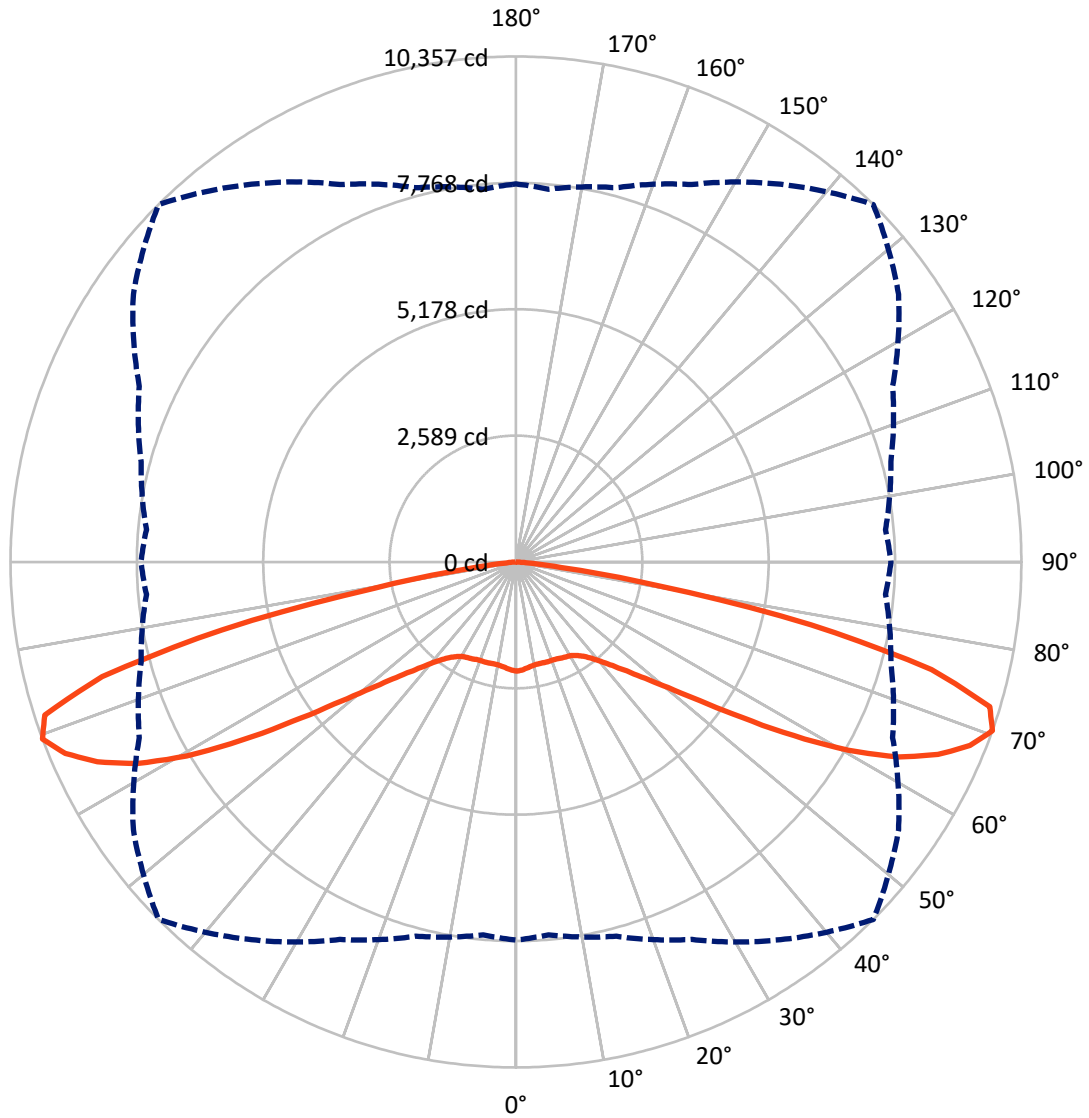
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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	12262.1	0.0	12262.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12262.1	0.0	12262.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	24524.1	0.0	24524.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.1	0.8
10°-20°	611.0	2.5
20°-30°	1016.9	4.1
30°-40°	1537.8	6.3
40°-50°	2555.5	10.4
50°-60°	4822.1	19.7
60°-70°	8142.2	33.2
70°-80°	5350.3	21.8
80°-90°	280.3	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°	24524.1	100.0
0°-180°	24524.1	100.0



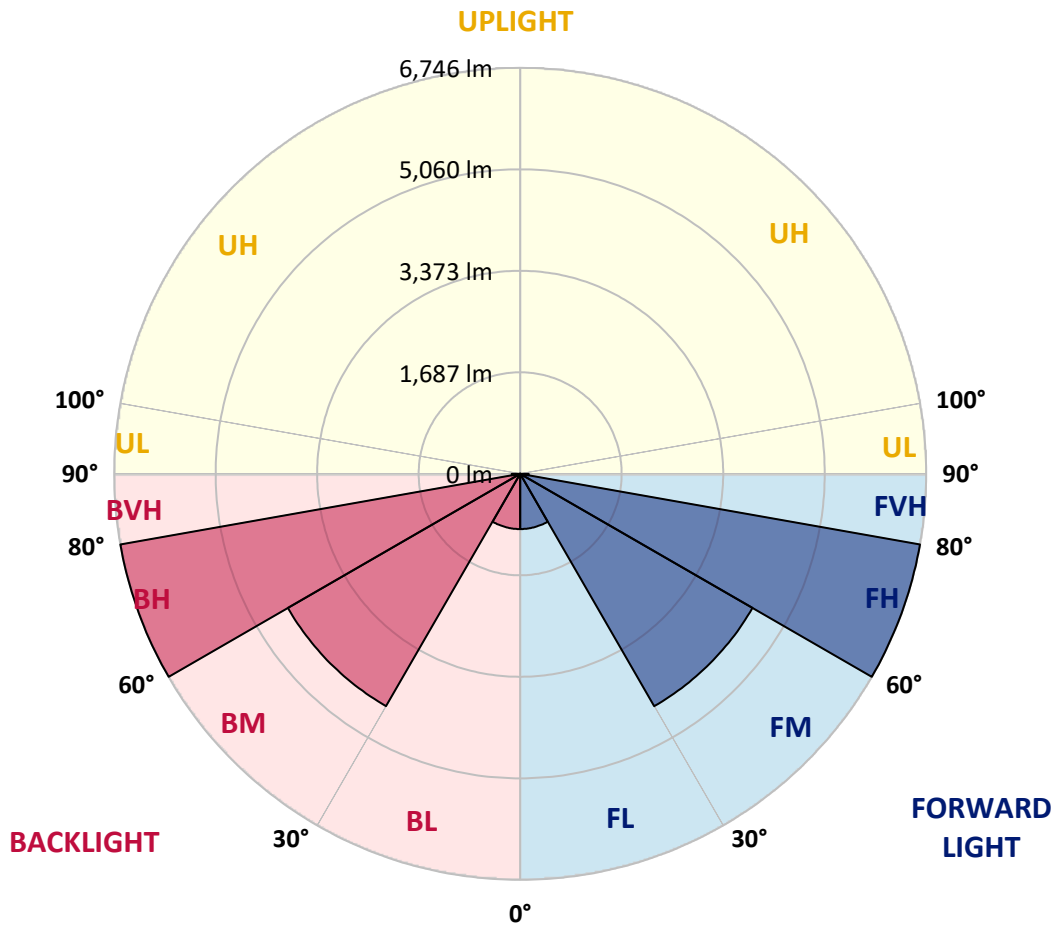
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	918.0	3.7			
FM (30°-60°)	4457.7	18.2			
FH (60°-80°)	6746.3	27.5			G3/7500
FVH (80°-90°)	140.2	0.6			G2/225
BL (0°-30°)	918.0	3.7	B2/1000		
BM (30°-60°)	4457.7	18.2	B3/5000		
BH (60°-80°)	6746.3	27.5	B5		G3/7500
BVH (80°-90°)	140.2	0.6			G2/225
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°	2237.1	2237.1	2237.1	2237.1	2237.1	2237.1	2237.1	2237.1	2237.1	2237.1	2237.1
2.5°	2223.1	2229.5	2226.9	2221.8	2221.8	2218.0	2221.8	2224.4	2228.1	2230.7	2229.5
5°	2193.8	2198.8	2197.6	2193.8	2195.0	2191.2	2193.8	2197.6	2200.2	2201.4	2201.4
7.5°	2168.3	2173.4	2170.8	2164.4	2164.4	2160.6	2161.9	2165.7	2169.5	2170.8	2170.8
10°	2161.9	2167.0	2159.4	2149.1	2145.3	2140.2	2141.5	2145.3	2153.0	2156.8	2156.8
12.5°	2164.4	2168.3	2160.6	2145.3	2141.5	2136.4	2136.4	2140.2	2150.4	2155.5	2156.8
15°	2172.1	2175.9	2164.4	2147.9	2144.0	2140.2	2139.0	2144.0	2155.5	2164.4	2165.7
17.5°	2186.1	2189.9	2172.1	2149.1	2144.0	2145.3	2144.0	2147.9	2165.7	2182.3	2182.3
20°	2198.8	2201.4	2177.2	2149.1	2144.0	2145.3	2144.0	2151.7	2174.6	2197.6	2198.8
22.5°	2202.7	2205.2	2182.3	2158.0	2154.2	2155.5	2154.2	2161.9	2183.6	2206.5	2206.5
25°	2204.0	2207.7	2189.9	2170.8	2177.2	2179.8	2177.2	2178.4	2195.0	2215.4	2214.1
27.5°	2223.1	2228.1	2211.6	2195.0	2198.8	2197.6	2201.4	2205.2	2218.0	2238.4	2233.3
30°	2262.6	2266.4	2252.4	2235.8	2233.3	2224.4	2235.8	2248.5	2262.6	2280.4	2276.6
32.5°	2327.6	2335.3	2317.4	2299.6	2288.1	2283.0	2291.9	2313.5	2332.7	2351.9	2344.2
35°	2435.9	2441.0	2424.4	2391.3	2370.9	2370.9	2378.6	2406.6	2437.2	2461.4	2452.5
37.5°	2588.9	2595.3	2566.0	2526.4	2495.9	2495.9	2506.0	2535.3	2581.3	2615.7	2602.9
40°	2775.0	2783.9	2747.0	2706.2	2676.9	2671.8	2684.5	2717.7	2761.0	2804.3	2790.4
42.5°	2999.4	3009.6	2961.1	2925.5	2902.5	2902.5	2908.8	2939.5	2979.0	3032.5	3028.7
45°	3286.2	3304.0	3237.8	3202.0	3180.4	3185.5	3189.3	3216.0	3251.7	3312.9	3310.4
47.5°	3627.8	3645.6	3575.5	3538.6	3534.7	3559.0	3543.6	3562.8	3581.9	3652.0	3631.6
50°	4015.3	4045.9	3997.5	3994.9	4002.5	4047.2	4011.4	4021.7	4000.0	4044.6	4017.9
52.5°	4489.5	4534.1	4525.2	4540.4	4625.9	4717.7	4636.1	4600.4	4518.8	4532.9	4485.7
55°	5064.4	5132.0	5144.7	5236.4	5430.2	5617.6	5444.3	5300.2	5126.8	5095.0	5045.3
57.5°	5718.3	5771.9	5833.1	6020.4	6382.4	6715.1	6382.4	6063.7	5790.9	5726.0	5680.0
60°	6421.9	6488.2	6546.9	6823.4	7361.3	7829.2	7351.2	6845.2	6484.4	6396.4	6319.9
62.5°	7177.9	7263.3	7304.0	7611.2	8238.3	8796.7	8247.3	7634.2	7233.9	7139.6	7063.1
65°	7903.2	7973.3	8019.1	8346.7	8945.8	9505.4	8986.6	8382.4	7970.7	7847.1	7785.9
67.5°	8240.9	8279.1	8391.4	8762.3	9394.5	10033.1	9501.6	8801.8	8341.7	8125.0	8127.4
70°	7746.3	7668.5	7938.8	8532.8	9448.0	10356.9	9570.4	8515.0	7951.5	7599.8	7683.9
72.5°	5986.0	5852.1	6321.3	7337.2	8836.2	10150.5	8897.4	7394.6	6613.1	5899.3	6076.5
75°	3256.8	3105.1	3752.7	5037.6	7046.6	8798.0	7208.4	5181.7	4178.4	3232.6	3443.0
77.5°	919.0	861.7	1384.4	2437.2	4238.4	6177.2	4401.6	2490.8	1641.8	973.9	1082.2
80°	281.7	272.8	369.6	734.2	1799.9	2958.6	1729.8	743.1	470.4	297.0	313.5
82.5°	167.0	152.9	183.6	267.7	458.9	929.3	446.2	279.2	224.4	150.4	163.2
85°	95.6	89.3	108.3	130.0	154.3	197.6	128.7	132.5	119.8	80.3	84.2
87.5°	39.6	35.7	42.0	40.8	35.7	45.9	34.4	40.8	48.5	31.9	29.3
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)