

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: P969729

Luminaire Tested: **NVN-SB6A-722-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P969729
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-722-U-5WQ
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23298.2 lumens
Efficiency: N/A
Efficacy: 136.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

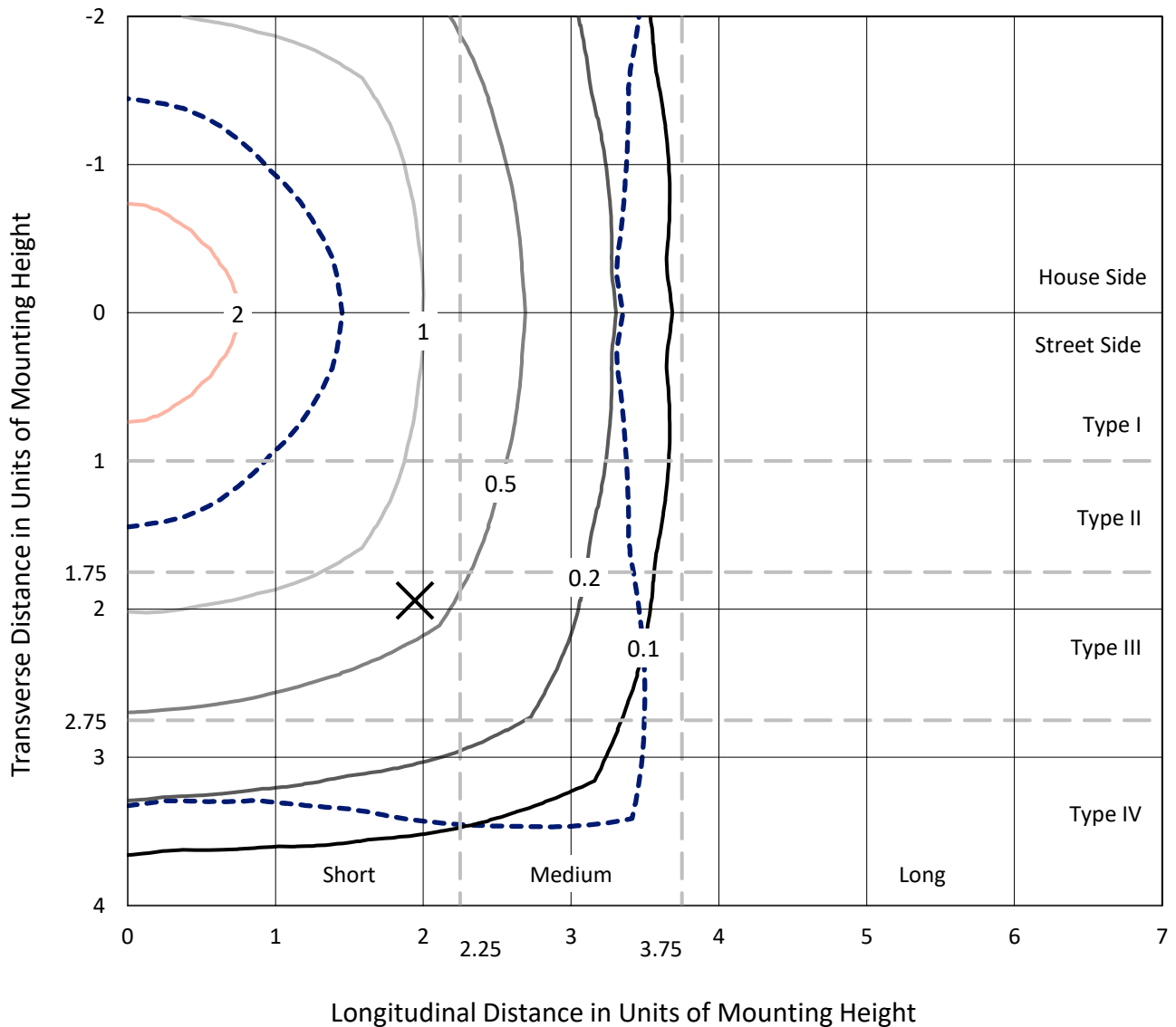
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

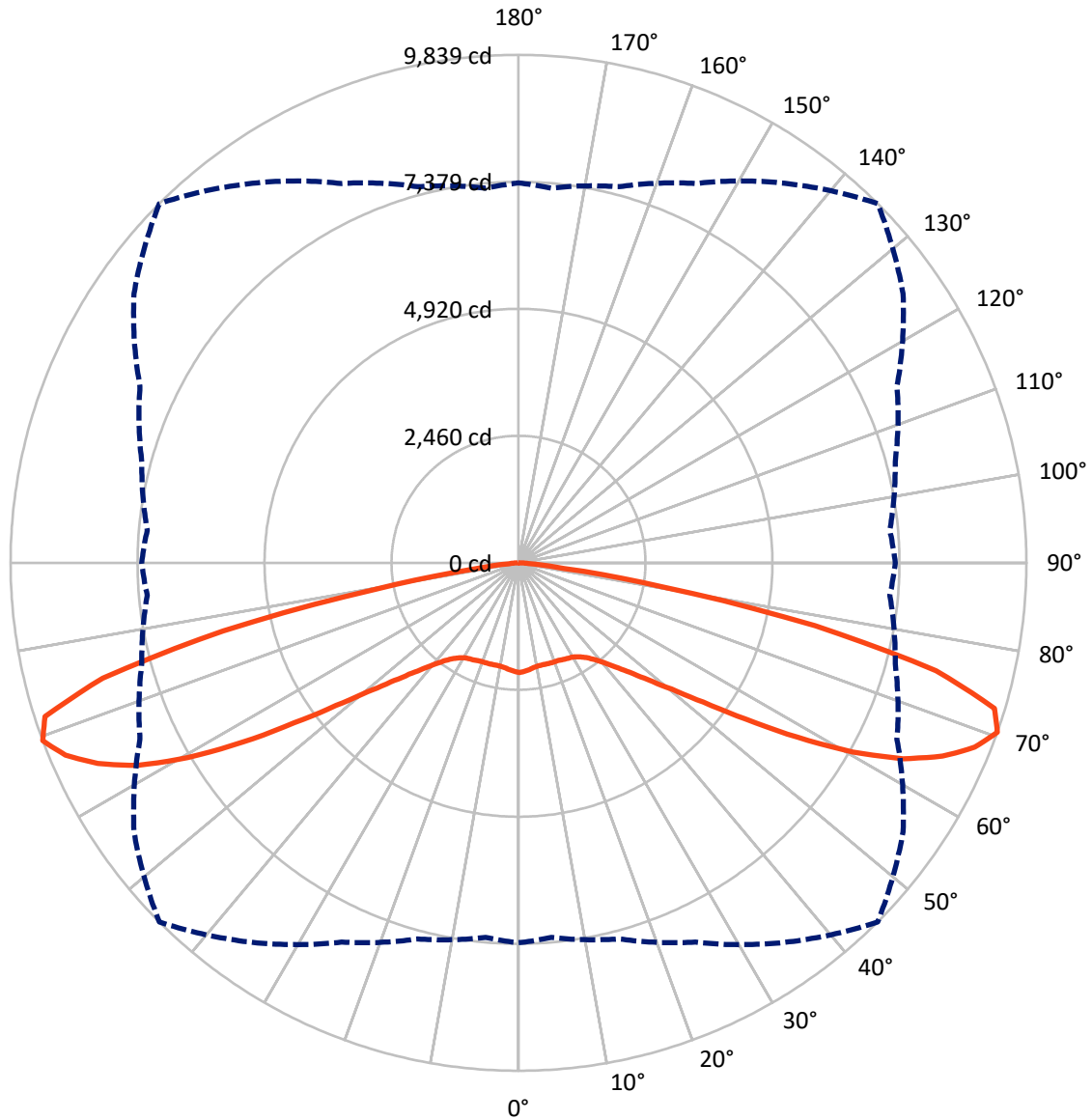
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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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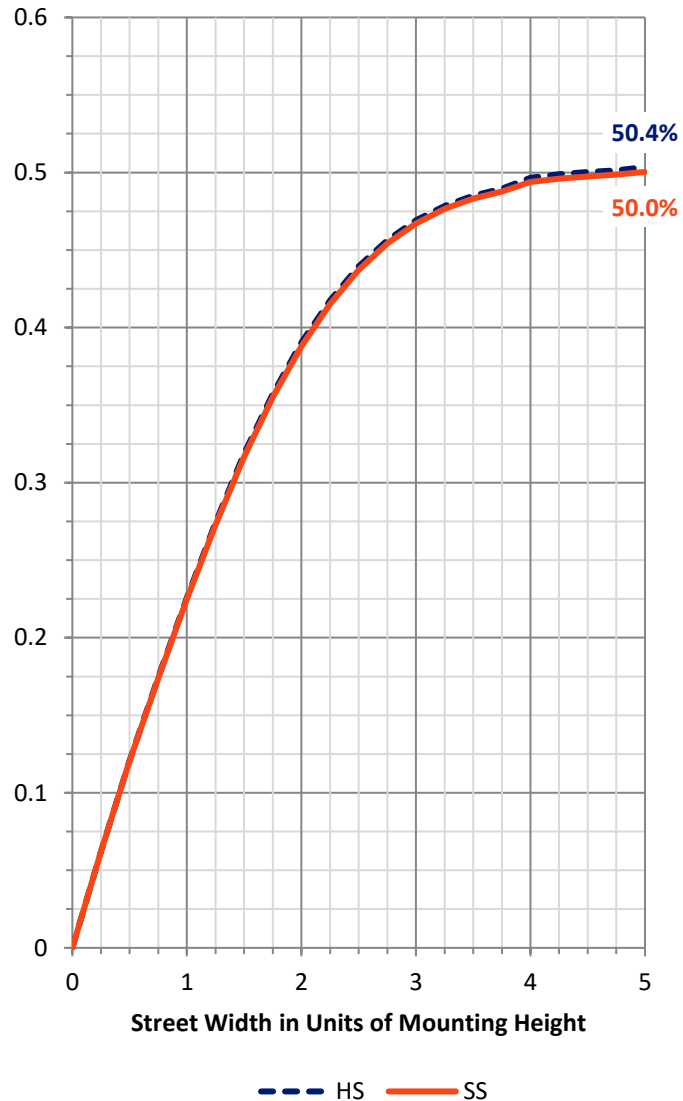
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11649.1	0.0	11649.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11649.1	0.0	11649.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	23298.2	0.0	23298.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.7	0.8
10°-20°	580.5	2.5
20°-30°	966.0	4.1
30°-40°	1460.9	6.3
40°-50°	2427.7	10.4
50°-60°	4581.0	19.7
60°-70°	7735.2	33.2
70°-80°	5082.8	21.8
80°-90°	266.3	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°	23298.2	100.0
0°-180°	23298.2	100.0

Coefficient of Utilization



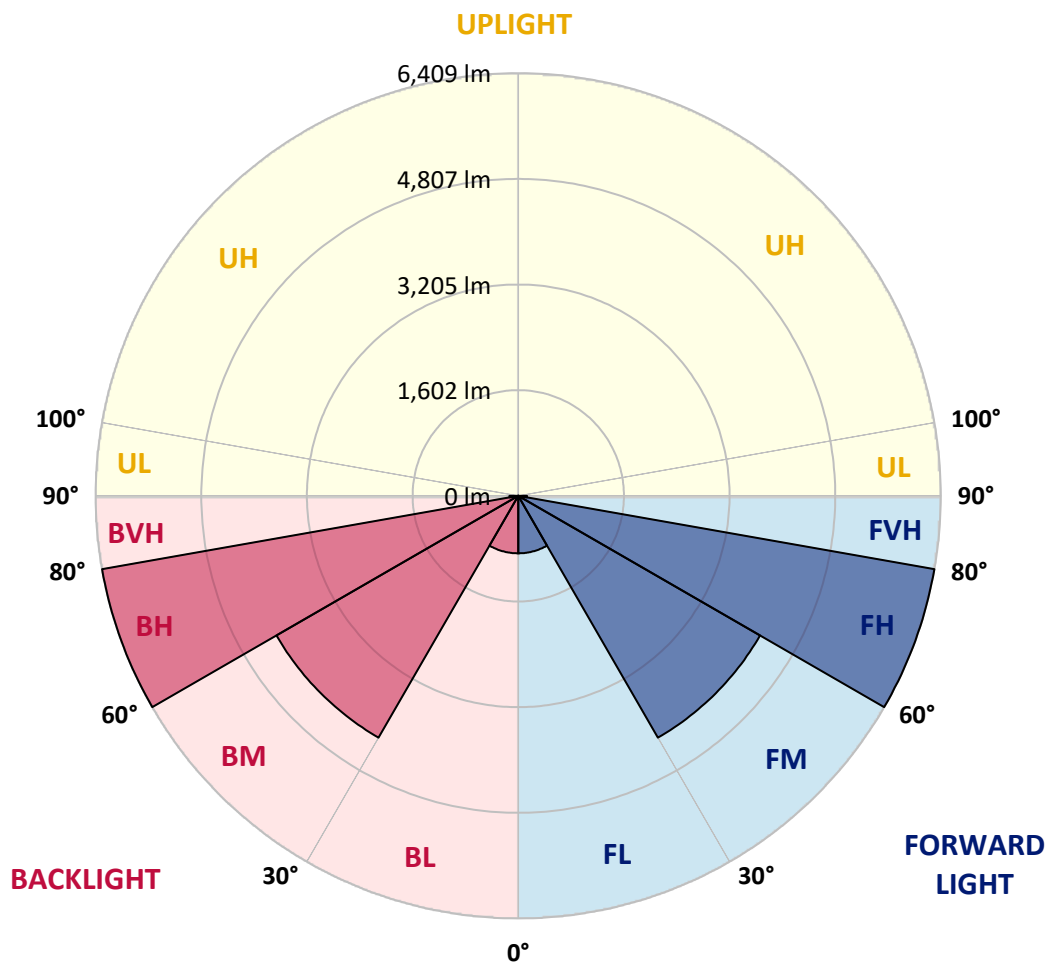
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	872.1	3.7			
FM (30°-60°)	4234.8	18.2			
FH (60°-80°)	6409.0	27.5			G3/7500
FVH (80°-90°)	133.1	0.6			G2/225
BL (0°-30°)	872.1	3.7	B2/1000		
BM (30°-60°)	4234.8	18.2	B3/5000		
BH (60°-80°)	6409.0	27.5	B5		G3/7500
BVH (80°-90°)	133.1	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°	2125.2	2125.2	2125.2	2125.2	2125.2	2125.2	2125.2	2125.2	2125.2	2125.2	2125.2
2.5°	2111.9	2118.0	2115.6	2110.8	2110.8	2107.1	2110.8	2113.1	2116.8	2119.2	2118.0
5°	2084.1	2089.0	2087.7	2084.1	2085.3	2081.7	2084.1	2087.7	2090.2	2091.4	2091.4
7.5°	2059.8	2064.8	2062.3	2056.3	2056.3	2052.6	2053.8	2057.5	2061.1	2062.3	2062.3
10°	2053.8	2058.7	2051.4	2041.7	2038.1	2033.2	2034.4	2038.1	2045.4	2049.0	2049.0
12.5°	2056.3	2059.8	2052.6	2038.1	2034.4	2029.6	2029.6	2033.2	2042.9	2047.7	2049.0
15°	2063.5	2067.1	2056.3	2040.5	2036.9	2033.2	2032.1	2036.9	2047.7	2056.3	2057.5
17.5°	2076.9	2080.4	2063.5	2041.7	2036.9	2038.1	2036.9	2040.5	2057.5	2073.2	2073.2
20°	2089.0	2091.4	2068.3	2041.7	2036.9	2038.1	2036.9	2044.2	2065.9	2087.7	2089.0
22.5°	2092.5	2095.0	2073.2	2050.2	2046.5	2047.7	2046.5	2053.8	2074.4	2096.2	2096.2
25°	2093.8	2097.5	2080.4	2062.3	2068.3	2070.8	2068.3	2069.6	2085.3	2104.6	2103.5
27.5°	2111.9	2116.8	2101.0	2085.3	2089.0	2087.7	2091.4	2095.0	2107.1	2126.5	2121.6
30°	2149.5	2153.1	2139.8	2124.1	2121.6	2113.1	2124.1	2136.2	2149.5	2166.4	2162.9
32.5°	2211.2	2218.5	2201.6	2184.6	2173.7	2168.9	2177.3	2197.9	2216.0	2234.3	2227.0
35°	2314.1	2319.1	2303.3	2271.8	2252.4	2252.4	2259.7	2286.4	2315.4	2338.4	2329.9
37.5°	2459.5	2465.5	2437.7	2400.1	2371.1	2371.1	2380.8	2408.6	2452.2	2484.9	2472.8
40°	2636.3	2644.8	2609.6	2570.9	2543.0	2538.2	2550.3	2581.8	2623.0	2664.2	2650.9
42.5°	2849.4	2859.1	2813.1	2779.2	2757.4	2757.4	2763.5	2792.5	2830.0	2881.0	2877.3
45°	3121.9	3138.9	3075.9	3042.0	3021.4	3026.2	3029.9	3055.3	3089.2	3147.4	3144.9
47.5°	3446.5	3463.4	3396.7	3361.7	3358.0	3381.1	3366.5	3384.7	3402.9	3469.4	3450.0
50°	3814.5	3843.6	3797.6	3795.2	3802.4	3844.9	3811.0	3820.7	3800.1	3842.4	3817.0
52.5°	4265.0	4307.5	4299.0	4313.5	4394.7	4481.8	4404.3	4370.4	4292.9	4306.2	4261.4
55°	4811.2	4875.4	4887.5	4974.7	5158.8	5336.8	5172.0	5035.2	4870.6	4840.3	4793.1
57.5°	5432.5	5483.3	5541.5	5719.5	6063.4	6379.4	6063.4	5760.6	5501.5	5439.7	5396.1
60°	6100.9	6163.8	6219.6	6482.4	6993.4	7437.8	6983.7	6503.0	6160.2	6076.7	6004.0
62.5°	6819.0	6900.2	6938.9	7230.8	7826.6	8356.9	7835.0	7252.6	6872.3	6782.7	6710.1
65°	7508.1	7574.6	7618.3	7929.5	8498.7	9030.2	8537.4	7963.4	7572.3	7454.8	7396.7
67.5°	7828.9	7865.3	7971.8	8324.2	8924.9	9531.6	9026.7	8361.8	7924.7	7718.8	7721.2
70°	7359.1	7285.3	7541.9	8106.3	8975.8	9839.2	9092.1	8089.3	7554.0	7219.9	7299.7
72.5°	5686.8	5559.6	6005.3	6970.4	8394.5	9643.0	8452.7	7024.9	6282.5	5604.4	5772.7
75°	3094.1	2950.0	3565.2	4785.8	6694.3	8358.2	6848.1	4922.7	3969.6	3071.0	3270.9
77.5°	873.1	818.7	1315.1	2315.4	4026.5	5868.4	4181.5	2366.2	1559.7	925.2	1028.1
80°	267.6	259.1	351.2	697.5	1709.9	2810.7	1643.3	706.0	446.9	282.2	297.9
82.5°	158.7	145.3	174.4	254.3	435.9	882.8	423.8	265.2	213.1	142.9	155.0
85°	90.8	84.8	102.9	123.5	146.6	187.7	122.3	126.0	113.9	76.3	79.9
87.5°	37.5	33.9	40.0	38.7	33.9	43.6	32.7	38.7	46.0	30.2	27.9
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)