

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: P962349

Luminaire Tested: **NVN-SB2C-722-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P962349  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: NVN-SB2C-722-U-5MQ  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13280.9 lumens  
Efficiency: N/A  
Efficacy: 131.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

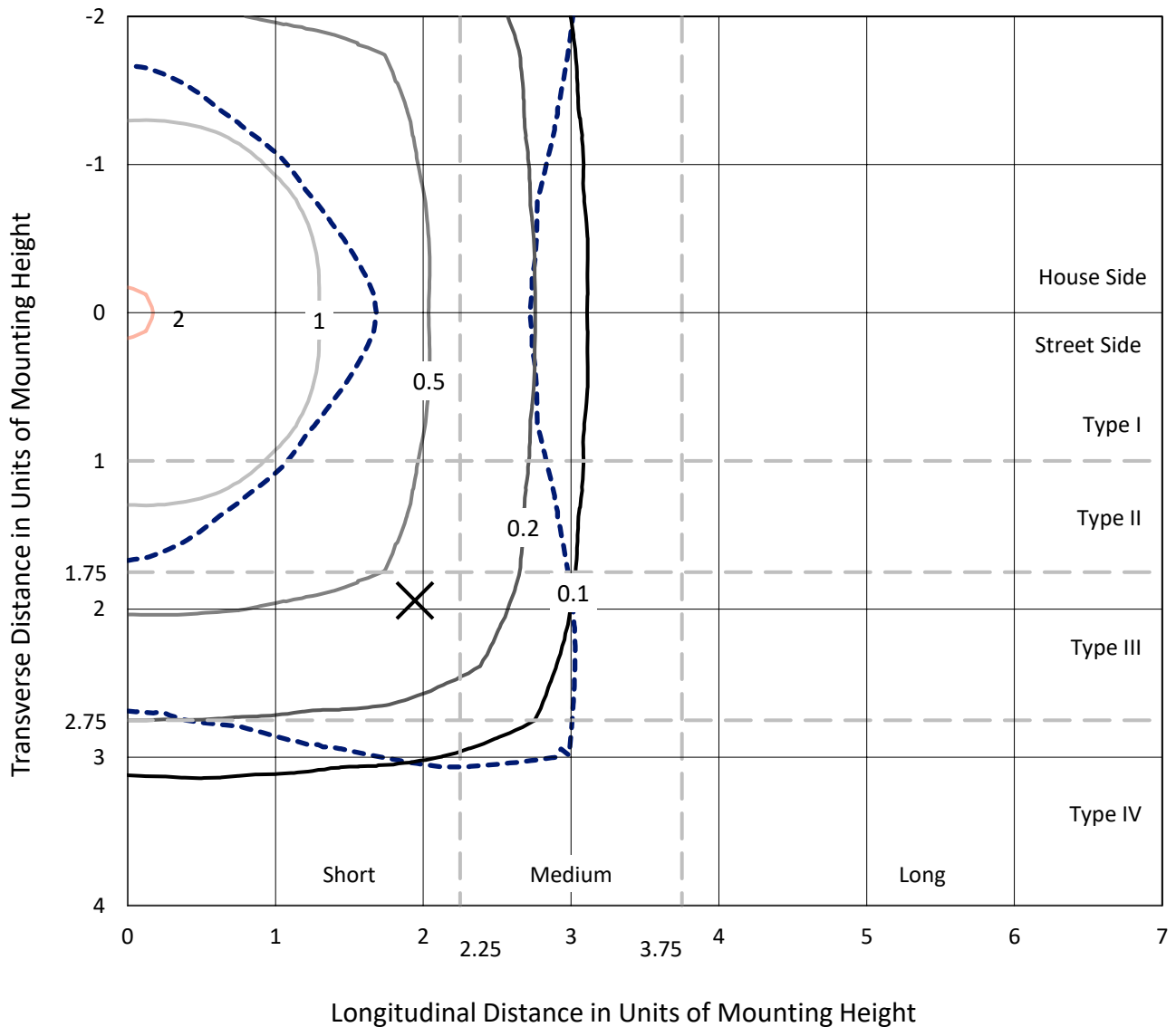
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

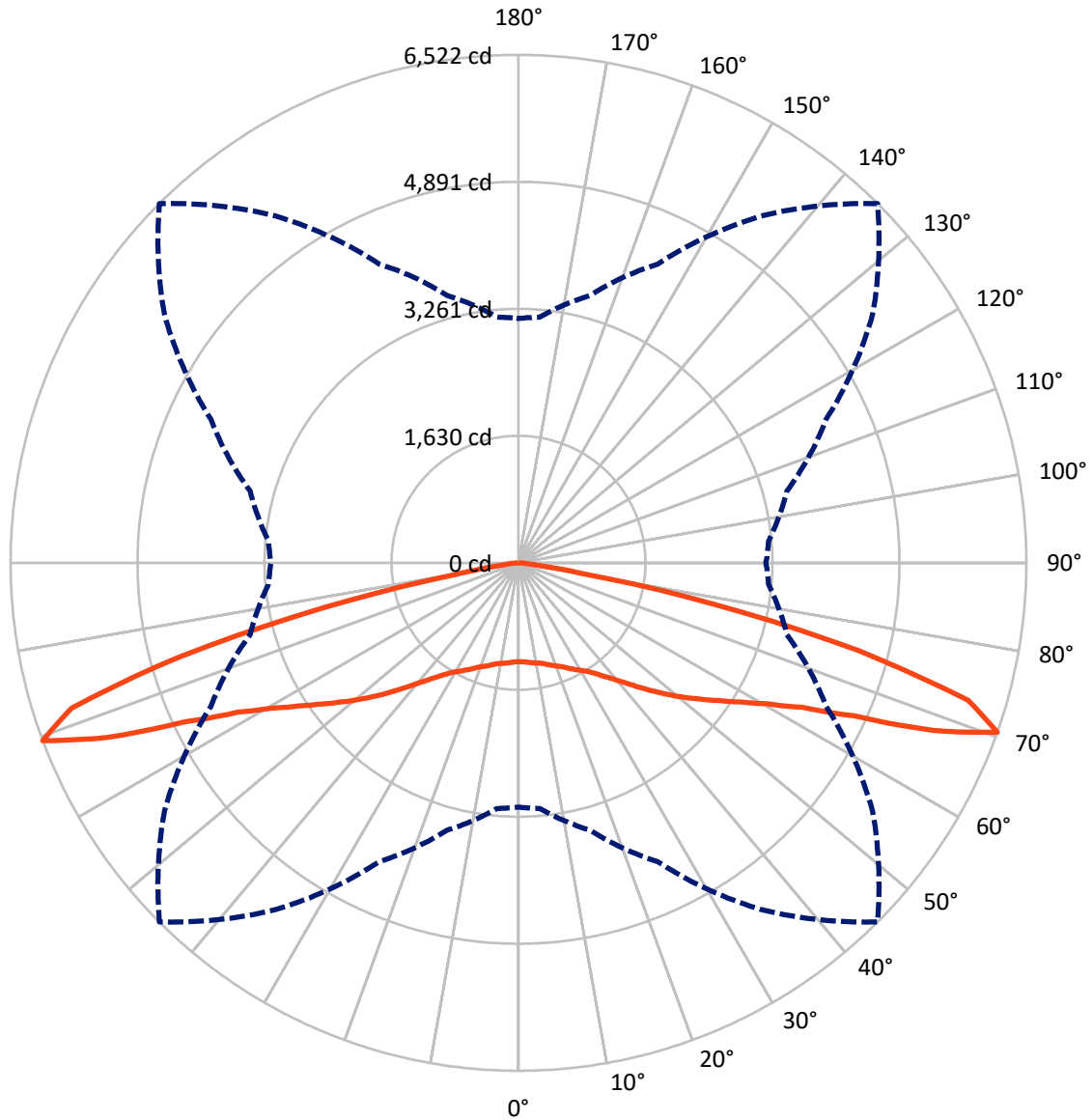
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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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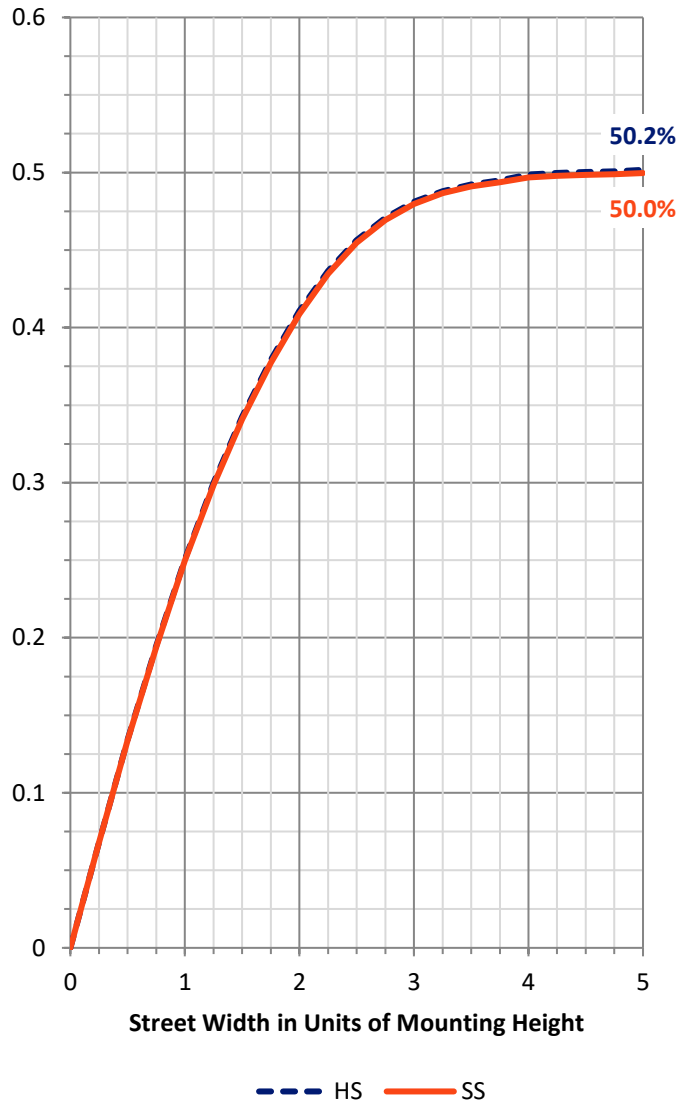
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6640.5	0.0	6640.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6640.5	0.0	6640.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13280.9	0.0	13280.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.6	0.9
10°-20°	383.2	2.9
20°-30°	684.9	5.2
30°-40°	1110.2	8.4
40°-50°	1808.4	13.6
50°-60°	2757.1	20.8
60°-70°	4101.8	30.9
70°-80°	2235.6	16.8
80°-90°	76.1	0.6
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°	13280.9	100.0
0°-180°	13280.9	100.0

**Coefficient of Utilization**



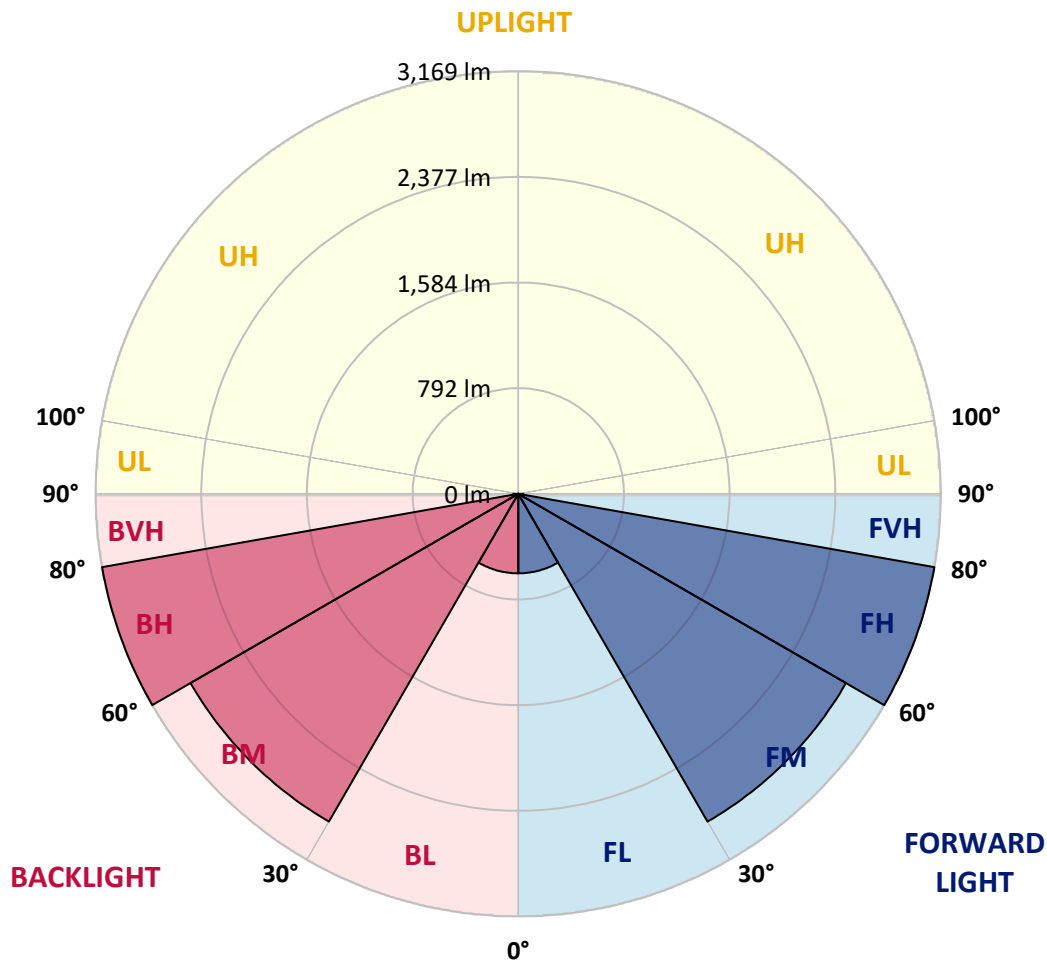
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	595.9	4.5			
FM (30°-60°)	2837.9	21.4			
FH (60°-80°)	3168.7	23.9			G2/5000
FVH (80°-90°)	38.1	0.3			G1/100
BL (0°-30°)	595.9	4.5	B2/1000		
BM (30°-60°)	2837.9	21.4	B3/5000		
BH (60°-80°)	3168.7	23.9	B4/5000		G2/5000
BVH (80°-90°)	38.1	0.3			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°	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1
2.5°	1278.2	1279.5	1276.8	1275.5	1274.2	1272.1	1272.8	1276.1	1278.9	1278.2	1278.9
5°	1288.8	1290.2	1288.2	1287.5	1284.8	1284.2	1284.2	1287.5	1289.6	1288.2	1288.8
7.5°	1300.8	1302.9	1299.5	1298.9	1297.5	1296.2	1295.5	1298.9	1300.8	1300.8	1300.8
10°	1312.2	1314.2	1311.5	1309.5	1308.2	1308.2	1306.9	1309.5	1312.8	1312.2	1312.2
12.5°	1324.2	1325.5	1322.9	1321.5	1321.5	1323.5	1321.5	1322.9	1325.5	1324.2	1323.5
15°	1338.9	1339.5	1338.9	1340.8	1344.2	1350.8	1344.9	1343.5	1344.9	1341.5	1341.5
17.5°	1358.8	1360.2	1362.8	1367.6	1372.2	1384.2	1373.5	1370.2	1370.2	1363.6	1363.6
20°	1383.5	1385.5	1389.5	1397.5	1403.5	1414.9	1404.1	1399.5	1397.5	1388.9	1388.9
22.5°	1409.5	1412.9	1418.9	1429.6	1440.2	1450.9	1440.2	1432.2	1426.2	1414.9	1414.2
25°	1439.5	1443.5	1452.8	1470.2	1484.9	1500.2	1487.6	1471.5	1459.5	1443.5	1442.9
27.5°	1482.3	1486.9	1498.2	1519.6	1538.2	1551.5	1539.6	1518.8	1502.2	1482.9	1482.3
30°	1542.2	1546.9	1560.3	1582.9	1595.5	1604.2	1596.2	1580.2	1560.3	1538.2	1538.2
32.5°	1619.6	1625.5	1640.2	1661.5	1664.2	1665.5	1662.9	1654.9	1640.2	1613.6	1614.3
35°	1717.6	1724.3	1740.9	1758.3	1755.6	1758.3	1754.3	1751.6	1740.9	1710.2	1710.2
37.5°	1837.6	1845.6	1862.9	1876.3	1869.6	1866.2	1866.9	1867.5	1861.6	1827.6	1827.6
40°	1976.9	1987.6	2000.3	2014.2	2003.0	1992.9	1999.6	2004.9	1999.6	1964.9	1964.9
42.5°	2120.3	2135.6	2148.9	2169.0	2159.7	2147.0	2156.3	2162.3	2151.0	2113.7	2116.3
45°	2279.6	2294.4	2311.7	2341.6	2335.0	2321.6	2335.0	2336.3	2317.0	2272.9	2277.7
47.5°	2444.3	2459.7	2485.6	2525.7	2523.0	2508.4	2525.7	2516.4	2491.7	2439.0	2435.7
50°	2600.3	2621.7	2661.7	2717.7	2723.0	2705.1	2728.3	2710.4	2669.0	2603.0	2601.7
52.5°	2747.0	2769.8	2833.1	2909.1	2928.4	2905.1	2936.4	2905.1	2843.0	2758.4	2750.4
55°	2901.1	2926.4	3001.7	3101.1	3139.8	3122.5	3151.8	3104.4	3016.4	2913.8	2899.7
57.5°	3082.4	3097.8	3187.7	3305.8	3371.1	3375.1	3388.4	3308.5	3201.8	3085.0	3069.1
60°	3279.1	3300.5	3398.5	3539.8	3643.2	3676.5	3662.5	3543.8	3419.8	3285.7	3264.4
62.5°	3531.1	3554.5	3671.9	3841.2	4004.6	4087.2	4032.6	3860.6	3707.2	3546.5	3518.5
65°	3739.8	3765.8	3977.9	4279.9	4577.3	4743.3	4605.9	4289.2	4013.2	3786.6	3749.1
67.5°	3588.5	3620.5	3953.2	4508.0	5247.4	5742.8	5272.7	4576.0	4035.2	3727.8	3681.8
70°	3136.4	3166.4	3554.5	4232.5	5436.1	6521.6	5549.5	4357.3	3567.2	3223.1	3177.1
72.5°	2082.3	2178.9	2571.7	3385.2	4854.0	6034.8	4902.0	3316.5	2385.7	2077.6	2010.2
75°	690.7	768.1	1036.2	1754.9	3251.1	4513.3	3095.1	1552.9	820.8	590.7	558.7
77.5°	174.0	200.7	276.8	502.0	1296.8	2569.7	1167.5	410.1	223.3	156.0	139.4
80°	84.7	93.4	133.4	167.4	324.7	816.8	304.7	157.3	105.4	81.4	74.7
82.5°	46.6	47.4	75.3	94.7	120.6	211.4	125.4	92.0	60.7	49.3	49.3
85°	28.7	28.0	40.0	50.6	50.6	75.3	60.0	50.6	34.6	30.6	32.0
87.5°	11.4	11.4	14.7	16.0	14.0	19.4	15.4	16.7	13.3	12.7	13.3
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)