

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: P961296

Luminaire Tested: **NVN-SB2A-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P961296
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-SB2A-722-U-5NQ
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7960.1 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

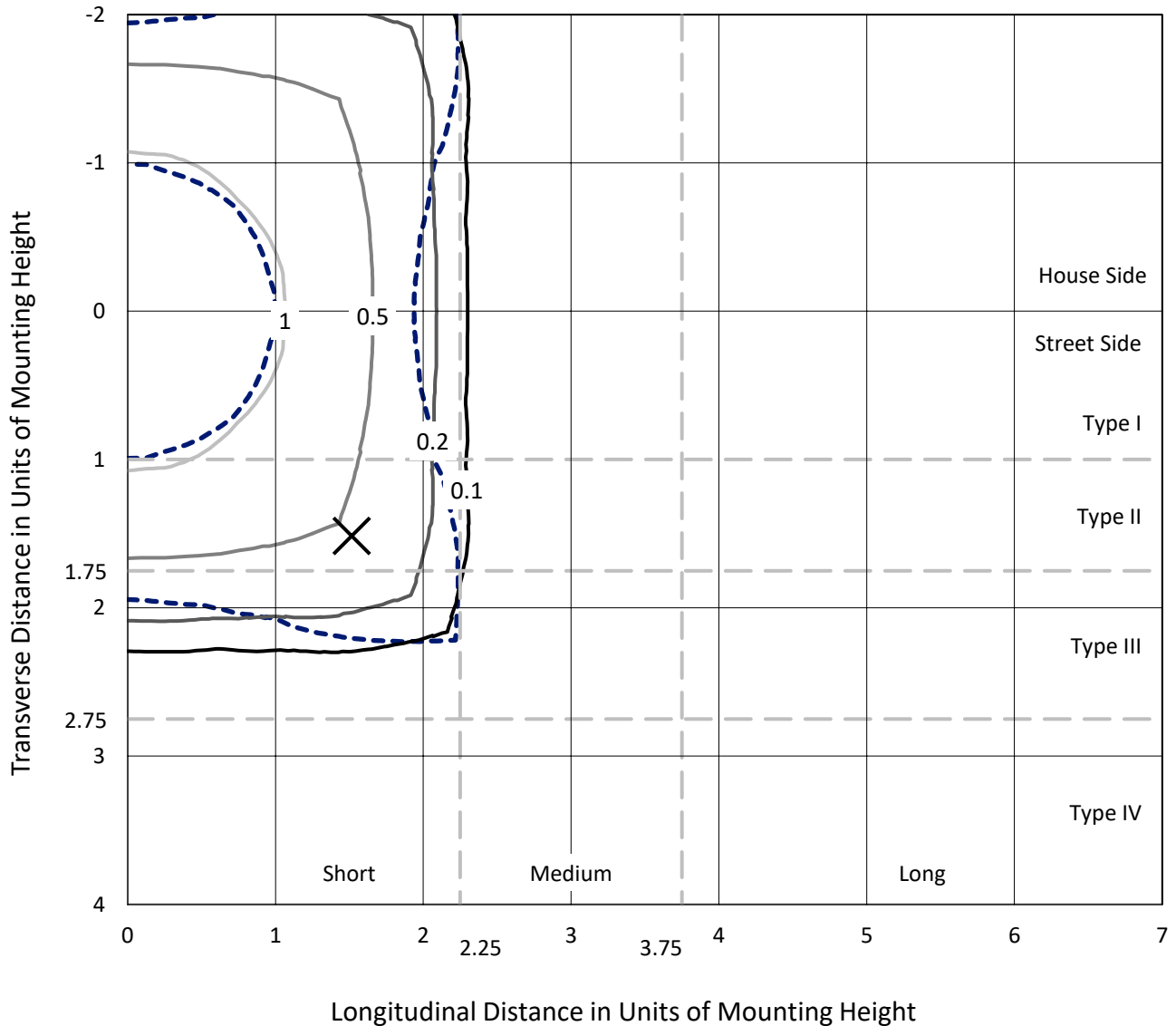
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

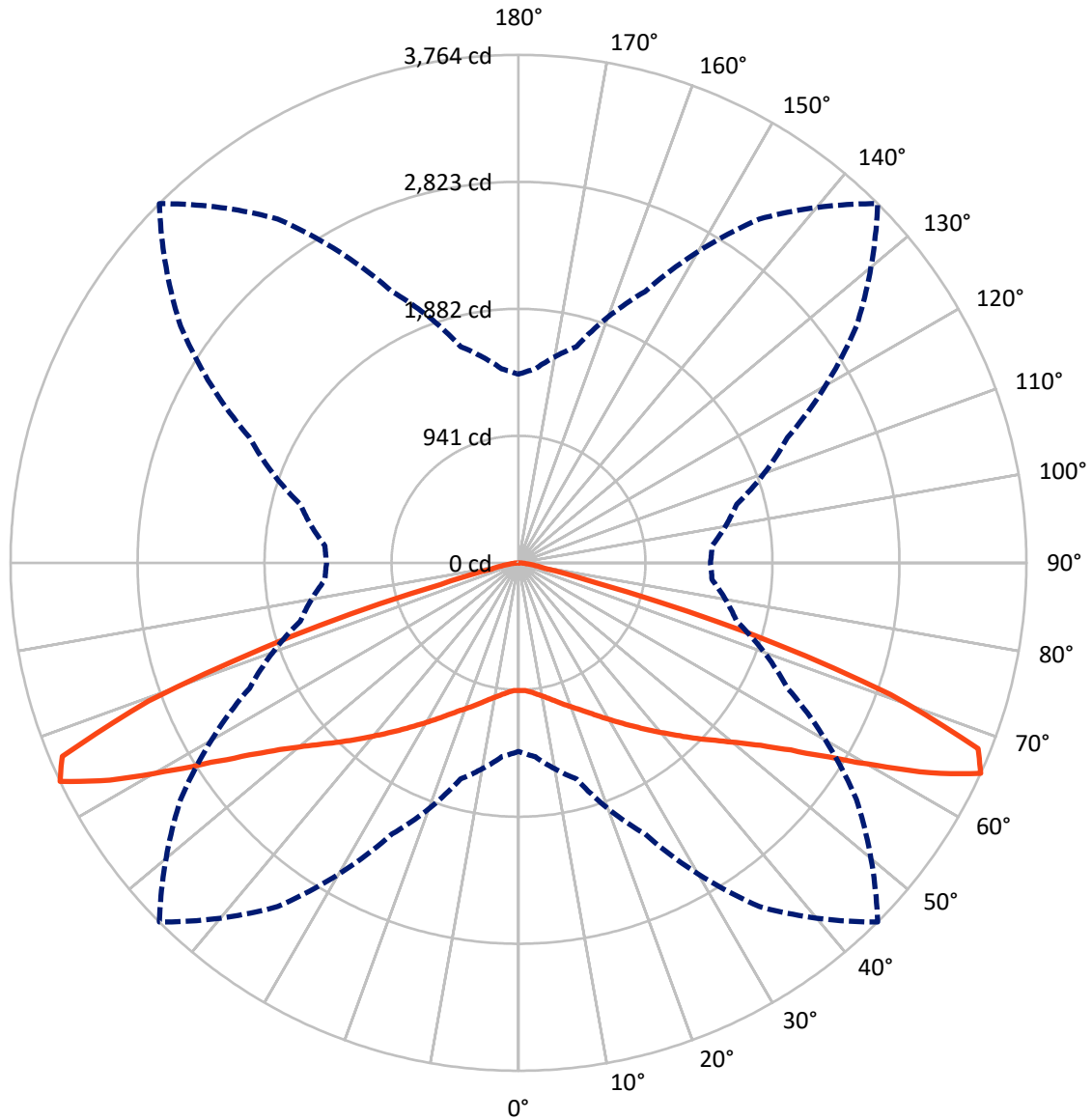
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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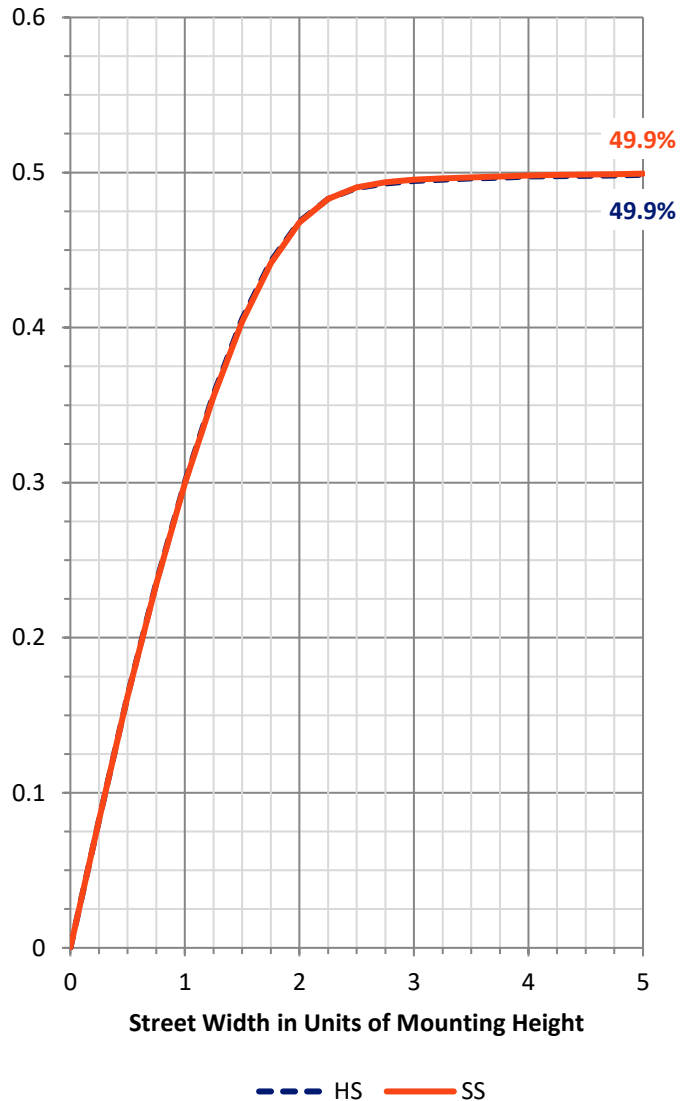
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3980.1	0.0	3980.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3980.1	0.0	3980.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	7960.1	0.0	7960.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.5	1.2
10°-20°	305.1	3.8
20°-30°	576.0	7.2
30°-40°	943.2	11.8
40°-50°	1462.5	18.4
50°-60°	2160.3	27.1
60°-70°	2056.4	25.8
70°-80°	331.8	4.2
80°-90°	31.3	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°	7960.1	100.0
0°-180°	7960.1	100.0

Coefficient of Utilization



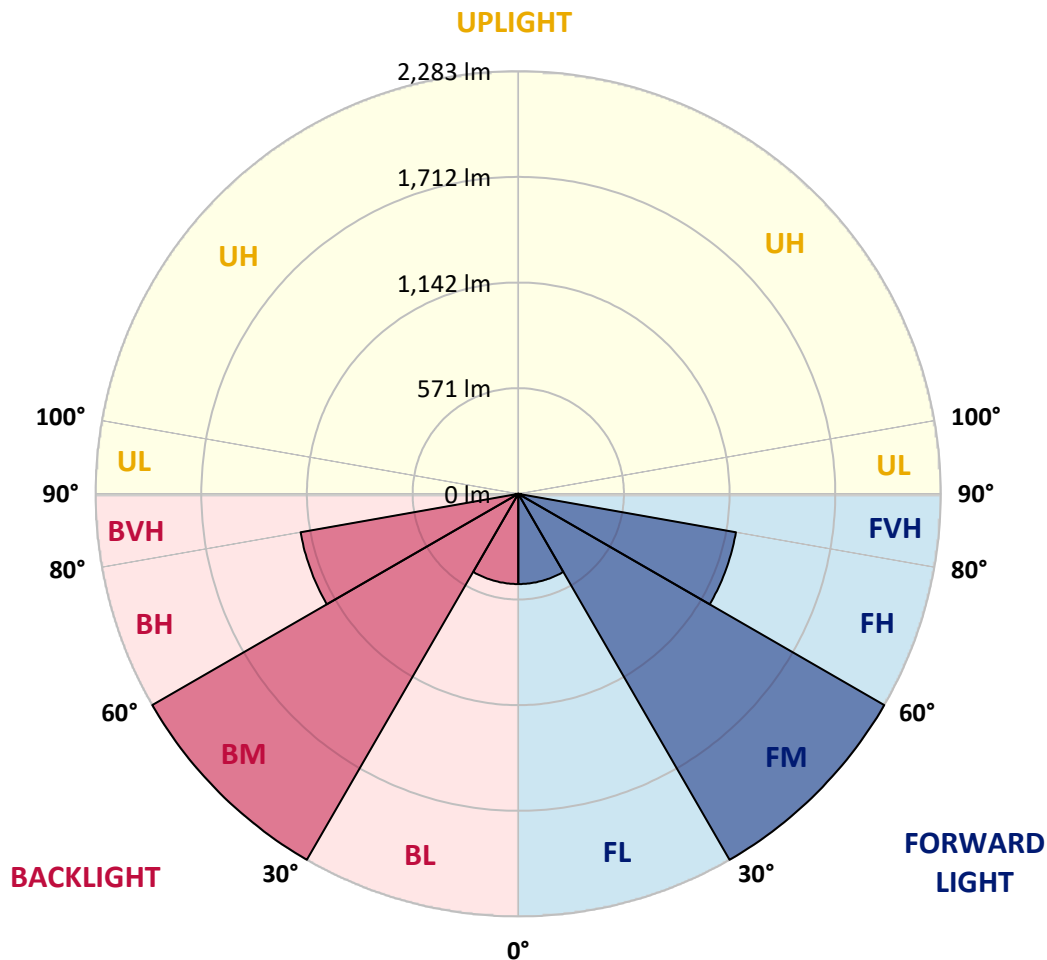
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	487.3	6.1			
FM (30°-60°)	2283.0	28.7			
FH (60°-80°)	1194.1	15.0			G1/1800
FVH (80°-90°)	15.6	0.2			G1/100
BL (0°-30°)	487.3	6.1	B1/500		
BM (30°-60°)	2283.0	28.7	B2/2500		
BH (60°-80°)	1194.1	15.0	B3/2500		G1/1800
BVH (80°-90°)	15.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	947.3	947.3	947.3	947.3	947.3	947.3	947.3	947.3	947.3	947.3	947.3
2.5°	953.8	950.5	952.9	950.9	949.4	947.7	948.5	951.3	952.5	952.9	952.9
5°	966.5	963.7	964.9	964.9	962.1	961.3	961.8	963.7	966.1	966.1	966.1
7.5°	987.3	984.5	987.3	985.6	983.3	982.5	982.1	983.7	987.3	987.3	986.0
10°	1012.4	1009.2	1010.9	1010.0	1007.3	1006.0	1005.6	1008.1	1011.3	1010.9	1010.0
12.5°	1040.0	1036.4	1038.4	1036.0	1035.2	1034.0	1034.0	1033.6	1035.6	1034.0	1034.8
15°	1070.7	1068.4	1069.2	1067.5	1068.8	1067.9	1064.8	1063.1	1063.9	1061.6	1062.0
17.5°	1107.1	1101.5	1104.3	1103.5	1103.5	1105.1	1099.9	1097.9	1099.5	1097.1	1099.1
20°	1149.0	1143.4	1144.6	1143.1	1141.0	1142.7	1136.2	1137.9	1139.1	1137.4	1141.0
22.5°	1194.9	1187.8	1187.4	1188.2	1183.8	1184.2	1179.8	1183.8	1186.1	1181.8	1186.1
25°	1242.1	1234.5	1239.6	1237.7	1232.0	1233.3	1230.1	1234.1	1236.0	1230.5	1236.9
27.5°	1292.0	1286.8	1291.6	1292.8	1286.0	1290.8	1286.0	1289.7	1291.6	1283.2	1289.7
30°	1350.3	1345.1	1349.5	1352.7	1344.7	1352.3	1348.3	1350.7	1351.2	1341.1	1347.2
32.5°	1413.8	1405.8	1417.1	1418.6	1409.8	1419.0	1413.8	1417.1	1419.0	1405.5	1414.6
35°	1491.3	1481.3	1494.1	1492.1	1484.5	1492.1	1487.3	1492.1	1496.9	1480.5	1490.5
37.5°	1574.8	1564.4	1578.0	1574.4	1567.2	1572.4	1569.6	1572.8	1580.3	1562.8	1573.6
40°	1666.6	1653.8	1672.2	1665.8	1659.1	1658.2	1659.9	1661.8	1671.8	1652.3	1658.7
42.5°	1764.8	1751.3	1778.9	1768.8	1759.3	1752.9	1758.1	1762.1	1771.7	1749.7	1761.3
45°	1877.1	1861.5	1897.5	1885.5	1870.3	1857.1	1865.5	1871.5	1885.5	1859.1	1872.7
47.5°	2000.9	1983.4	2021.7	2018.1	1993.3	1964.6	1983.8	2000.9	2011.3	1979.4	1990.1
50°	2122.0	2108.3	2158.6	2163.1	2132.7	2092.3	2119.1	2145.1	2147.9	2106.0	2111.1
52.5°	2235.3	2221.8	2294.9	2322.4	2295.3	2247.3	2275.7	2302.0	2280.8	2226.6	2228.1
55°	2326.0	2314.9	2407.9	2479.0	2488.2	2448.6	2465.4	2464.6	2395.1	2311.6	2314.4
57.5°	2348.0	2346.3	2463.8	2614.4	2710.2	2715.0	2681.8	2597.1	2447.4	2335.2	2328.0
60°	2248.1	2258.1	2419.5	2685.1	2940.6	3046.9	2903.5	2661.9	2387.9	2232.1	2213.8
62.5°	1949.3	1975.8	2170.2	2598.8	3126.8	3428.7	3081.3	2563.6	2143.5	1940.2	1928.2
65°	1397.1	1443.0	1657.8	2217.8	3110.0	3764.2	3055.7	2199.9	1673.8	1439.4	1422.2
67.5°	633.9	680.6	863.0	1518.4	2703.4	3673.1	2697.1	1534.4	906.2	683.0	672.9
70°	229.6	237.6	296.3	607.8	1727.7	2926.7	1801.6	612.2	315.1	253.2	250.0
72.5°	139.0	140.2	152.5	217.7	600.2	1776.8	625.9	224.9	155.8	138.2	140.6
75°	88.3	87.4	108.6	133.0	212.9	599.5	223.2	133.0	108.2	98.6	99.4
77.5°	63.6	65.5	77.9	99.4	134.2	203.3	131.8	95.0	77.9	63.9	65.1
80°	47.6	48.7	56.7	77.5	94.3	126.6	83.8	70.3	58.7	40.0	41.1
82.5°	34.3	34.3	37.1	56.3	57.5	68.3	45.5	49.5	38.7	28.4	28.4
85°	20.4	20.0	23.2	33.5	29.9	25.1	20.8	30.3	24.4	17.5	17.2
87.5°	7.2	7.6	7.2	9.6	8.0	6.8	6.4	8.4	6.8	5.9	5.6
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)