

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: P965525

Luminaire Tested: **NVN-SB4A-722-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P965525
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB4A-722-U-SLR-HSS
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11617.3 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

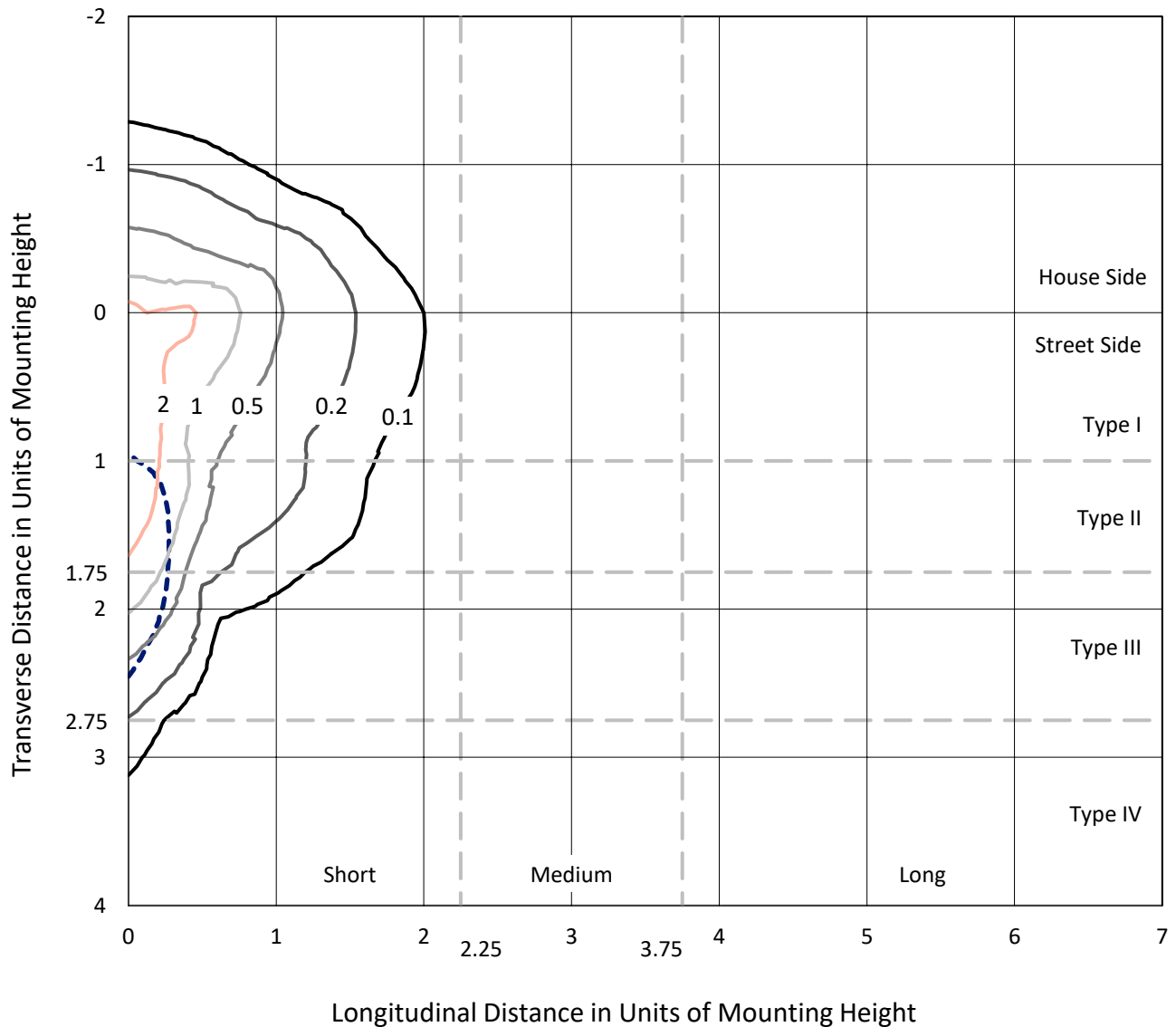
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P965525
 CATALOG NUMBER: NVN-SB4A-722-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination

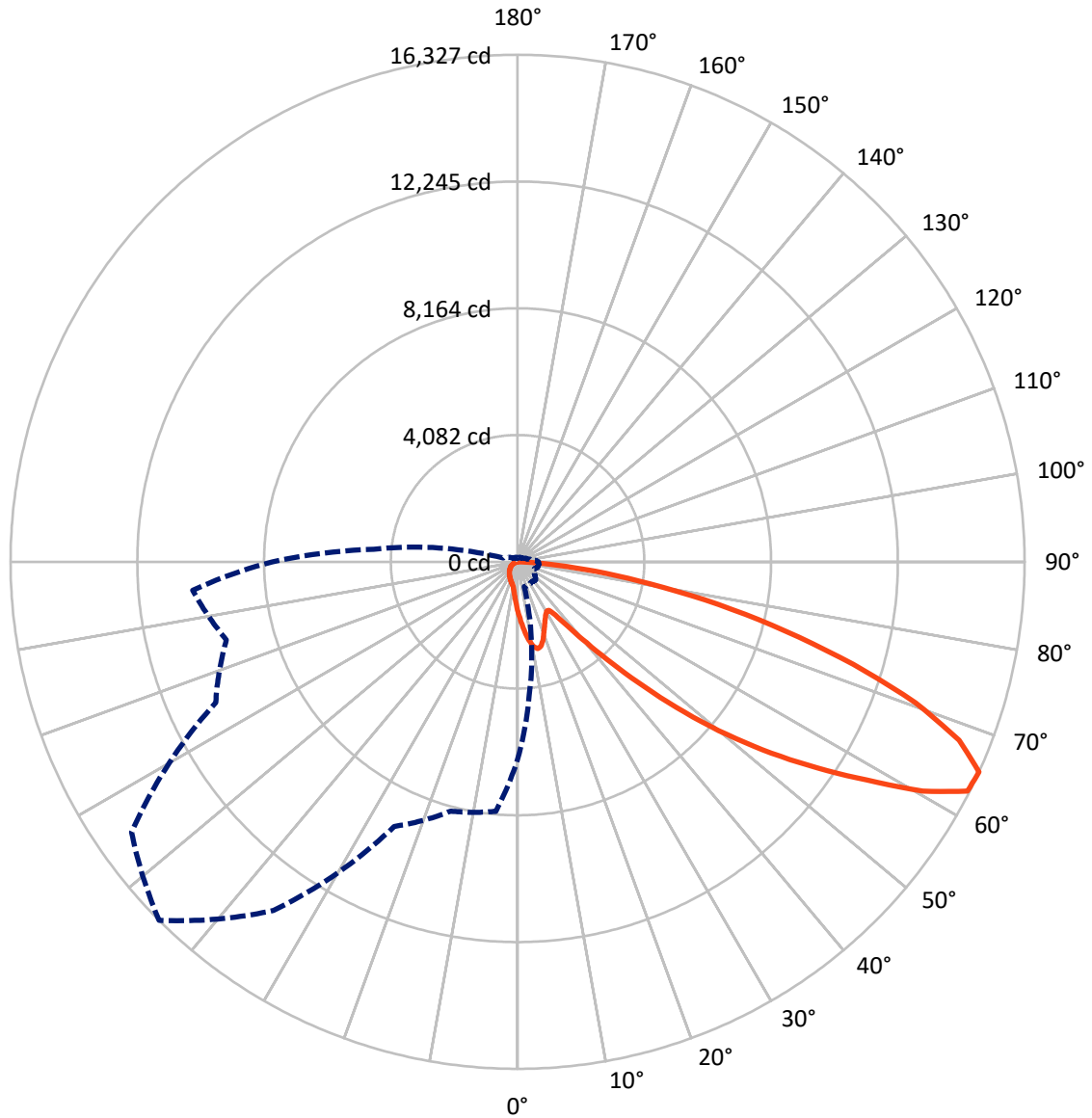
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type IV - Short - N/A

REPORT NUMBER: P965525
CATALOG NUMBER: NVN-SB4A-722-U-SLR-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P965525
 CATALOG NUMBER: NVN-SB4A-722-U-SLR-HSS

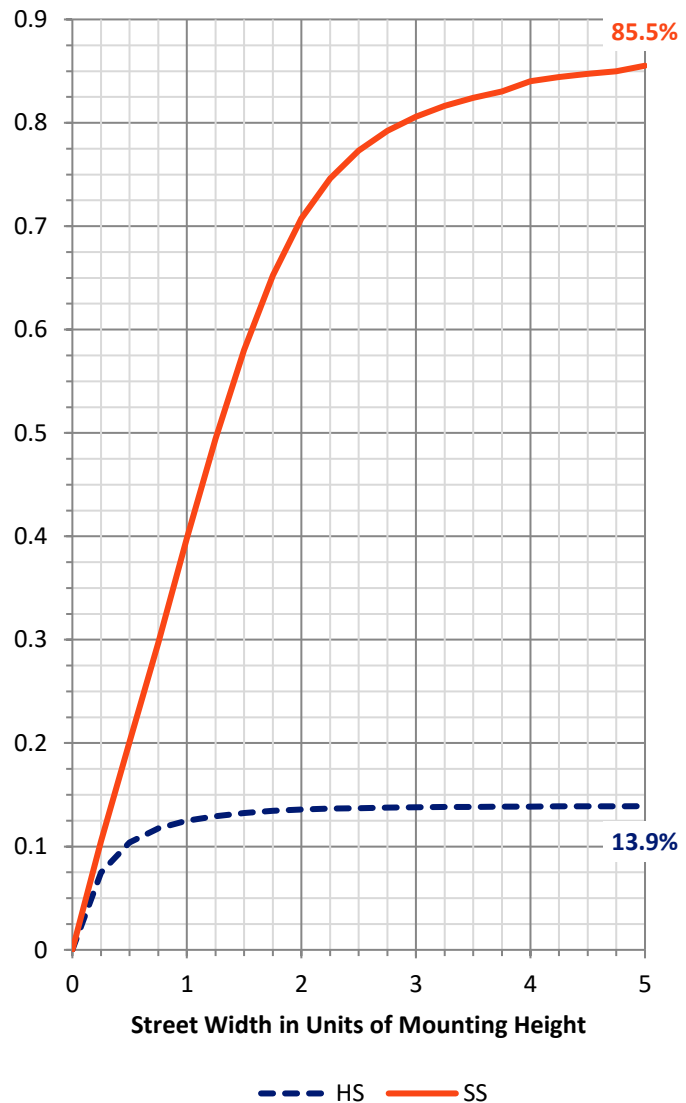
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 1626.9 | 0.0 | 1626.9 |
| | % Fixture | 14.0 | 0.0 | 14.0 |
| Street Side | Lumens | 9990.4 | 0.0 | 9990.4 |
| | % Fixture | 86.0 | 0.0 | 86.0 |
| Total | Lumens | 11617.3 | 0.0 | 11617.3 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 158.4 | 1.4 |
| 10°-20° | 474.8 | 4.1 |
| 20°-30° | 699.4 | 6.0 |
| 30°-40° | 898.6 | 7.7 |
| 40°-50° | 1453.2 | 12.5 |
| 50°-60° | 2548.4 | 21.9 |
| 60°-70° | 3188.8 | 27.4 |
| 70°-80° | 1863.4 | 16.0 |
| 80°-90° | 332.5 | 2.9 |
| 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° | 11617.3 | 100.0 |
| 0°-180° | 11617.3 | 100.0 |

Coefficient of Utilization



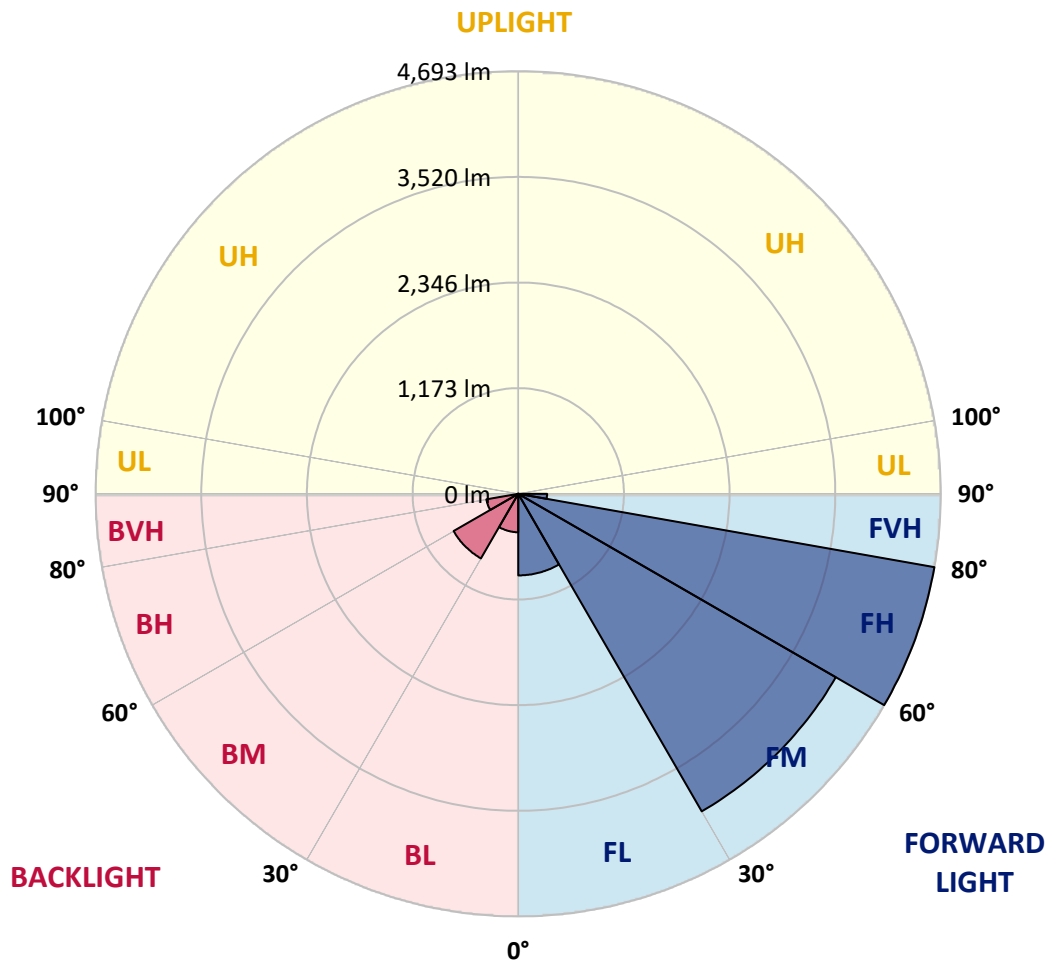
REPORT NUMBER: P96525
 CATALOG NUMBER: NVN-SB4A-722-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 906.1 | 7.8 | | | |
| FM (30°-60°) | 4071.8 | 35.0 | | | |
| FH (60°-80°) | 4692.9 | 40.4 | | | G2/5000 |
| FVH (80°-90°) | 319.7 | 2.8 | | | G3/500 |
| BL (0°-30°) | 426.4 | 3.7 | B1/500 | | |
| BM (30°-60°) | 828.5 | 7.1 | B1/1000 | | |
| BH (60°-80°) | 359.2 | 3.1 | B1/500 | | G1/500 |
| BVH (80°-90°) | 12.8 | 0.1 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G3

Type IV Short



REPORT NUMBER: P965525
 CATALOG NUMBER: NVN-SB4A-722-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1608.6 | 1608.6 | 1608.6 | 1608.6 | 1608.6 | 1608.6 | 1608.6 | 1608.6 | 1608.6 | 1608.6 | 1608.6 |
| 2.5° | 1817.5 | 1786.3 | 1767.9 | 1722.3 | 1676.7 | 1639.8 | 1590.2 | 1557.4 | 1518.2 | 1480.6 | 1447.0 |
| 5° | 2025.6 | 1975.2 | 1914.4 | 1831.2 | 1755.1 | 1677.4 | 1602.2 | 1527.8 | 1449.4 | 1377.3 | 1333.3 |
| 7.5° | 2201.7 | 2128.8 | 2021.6 | 1911.1 | 1814.4 | 1720.7 | 1632.6 | 1534.2 | 1439.0 | 1326.1 | 1266.1 |
| 10° | 2336.1 | 2243.3 | 2102.4 | 1957.5 | 1846.3 | 1751.9 | 1666.2 | 1583.0 | 1487.0 | 1350.9 | 1275.7 |
| 12.5° | 2417.8 | 2318.5 | 2151.3 | 1981.5 | 1854.3 | 1748.6 | 1682.2 | 1645.4 | 1607.8 | 1472.6 | 1384.6 |
| 15° | 2477.7 | 2370.5 | 2185.6 | 1998.3 | 1835.9 | 1706.3 | 1657.4 | 1694.2 | 1737.5 | 1651.1 | 1549.4 |
| 17.5° | 2540.2 | 2427.3 | 2230.5 | 2005.6 | 1786.3 | 1623.8 | 1603.0 | 1698.2 | 1798.3 | 1794.3 | 1693.5 |
| 20° | 2599.4 | 2487.4 | 2269.7 | 2000.8 | 1706.3 | 1523.8 | 1542.2 | 1663.9 | 1779.9 | 1828.7 | 1774.3 |
| 22.5° | 2667.5 | 2549.0 | 2307.3 | 1982.4 | 1602.2 | 1430.2 | 1487.8 | 1609.5 | 1711.0 | 1768.7 | 1751.9 |
| 25° | 2750.7 | 2626.7 | 2360.2 | 1955.2 | 1490.1 | 1352.5 | 1432.5 | 1546.2 | 1628.6 | 1668.7 | 1667.9 |
| 27.5° | 2840.3 | 2719.4 | 2430.6 | 1940.7 | 1399.7 | 1297.3 | 1370.1 | 1471.0 | 1544.6 | 1572.7 | 1572.7 |
| 30° | 2951.6 | 2827.5 | 2513.8 | 1924.7 | 1340.5 | 1265.3 | 1305.3 | 1383.7 | 1455.8 | 1483.8 | 1483.8 |
| 32.5° | 3073.2 | 2947.6 | 2593.9 | 1886.3 | 1304.5 | 1241.3 | 1242.1 | 1291.7 | 1357.3 | 1390.9 | 1395.7 |
| 35° | 3225.3 | 3091.6 | 2679.5 | 1802.3 | 1275.7 | 1213.3 | 1180.5 | 1204.5 | 1258.9 | 1298.9 | 1309.3 |
| 37.5° | 3442.2 | 3280.5 | 2784.3 | 1682.2 | 1233.3 | 1170.0 | 1115.6 | 1121.2 | 1162.9 | 1206.8 | 1222.9 |
| 40° | 3741.5 | 3534.2 | 2907.5 | 1557.4 | 1172.5 | 1109.3 | 1044.4 | 1042.0 | 1072.5 | 1115.6 | 1133.2 |
| 42.5° | 4146.4 | 3869.5 | 3055.6 | 1438.2 | 1114.1 | 1035.6 | 969.1 | 965.1 | 989.2 | 1026.8 | 1045.2 |
| 45° | 4681.1 | 4298.4 | 3237.3 | 1335.7 | 1068.5 | 963.6 | 898.0 | 896.4 | 916.4 | 949.1 | 968.4 |
| 47.5° | 5365.3 | 4894.7 | 3419.0 | 1266.1 | 1044.4 | 906.7 | 839.6 | 842.8 | 860.4 | 889.9 | 903.5 |
| 50° | 6251.3 | 5671.8 | 3474.1 | 1230.9 | 1044.4 | 876.4 | 787.5 | 803.5 | 817.9 | 840.3 | 848.3 |
| 52.5° | 7313.3 | 6417.7 | 3291.7 | 1198.8 | 1050.8 | 880.4 | 743.5 | 777.9 | 788.3 | 807.5 | 810.7 |
| 55° | 8297.7 | 6783.4 | 2829.9 | 1154.9 | 1052.4 | 905.2 | 705.9 | 757.1 | 776.3 | 783.5 | 782.7 |
| 57.5° | 8869.1 | 6657.8 | 2288.1 | 1080.5 | 1046.0 | 922.0 | 681.8 | 731.4 | 768.3 | 773.1 | 765.9 |
| 60° | 8760.3 | 6216.8 | 1684.7 | 1023.6 | 998.8 | 915.5 | 674.7 | 692.3 | 750.7 | 757.9 | 748.2 |
| 62.5° | 7921.5 | 5477.4 | 1169.2 | 979.6 | 894.7 | 887.5 | 672.3 | 630.7 | 712.3 | 729.9 | 716.3 |
| 65° | 6367.3 | 4312.1 | 825.9 | 843.6 | 784.3 | 826.8 | 659.5 | 566.6 | 665.8 | 689.8 | 669.0 |
| 67.5° | 4619.4 | 2918.0 | 596.2 | 683.5 | 710.6 | 728.3 | 630.7 | 520.2 | 613.1 | 645.0 | 617.9 |
| 70° | 2964.4 | 1575.8 | 418.6 | 451.4 | 598.6 | 618.7 | 581.1 | 478.6 | 559.4 | 596.2 | 566.6 |
| 72.5° | 2107.2 | 930.8 | 300.9 | 316.1 | 481.0 | 515.4 | 511.4 | 432.1 | 497.0 | 541.8 | 506.6 |
| 75° | 1454.2 | 513.0 | 203.3 | 225.7 | 348.9 | 418.6 | 394.5 | 371.4 | 421.0 | 466.6 | 432.1 |
| 77.5° | 911.5 | 229.7 | 121.7 | 156.8 | 228.9 | 328.9 | 270.5 | 287.3 | 328.1 | 370.5 | 334.6 |
| 80° | 507.4 | 88.9 | 68.1 | 104.0 | 124.8 | 239.3 | 149.6 | 184.9 | 241.7 | 272.1 | 243.3 |
| 82.5° | 110.4 | 11.2 | 30.4 | 44.8 | 48.8 | 139.3 | 79.2 | 107.2 | 152.1 | 149.6 | 129.7 |
| 85° | 0.0 | 0.0 | 5.6 | 6.4 | 3.2 | 60.1 | 28.8 | 35.3 | 49.6 | 46.4 | 35.3 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P965525
 CATALOG NUMBER: NVN-SB4A-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° | 185° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1608.6 | 1608.6 | 1608.6 | 1608.6 | 1608.6 | 1608.6 | 1608.6 | 1608.6 | 1608.6 | 1608.6 | 1608.6 |
| 2.5° | 1440.5 | 1401.4 | 1372.6 | 1358.1 | 1346.1 | 1357.3 | 1363.8 | 1363.8 | 1390.9 | 1406.9 | 1413.4 |
| 5° | 1305.3 | 1234.9 | 1181.3 | 1145.2 | 1123.6 | 1130.9 | 1138.9 | 1147.7 | 1182.0 | 1205.3 | 1220.5 |
| 7.5° | 1211.7 | 1103.6 | 1022.0 | 971.6 | 945.2 | 949.1 | 954.8 | 962.0 | 995.6 | 1018.8 | 1038.8 |
| 10° | 1194.0 | 1038.8 | 923.5 | 857.1 | 825.1 | 819.5 | 816.3 | 814.0 | 833.9 | 851.6 | 867.6 |
| 12.5° | 1266.1 | 1042.0 | 881.2 | 800.3 | 761.1 | 744.3 | 725.1 | 709.9 | 713.1 | 724.3 | 744.3 |
| 15° | 1394.9 | 1082.8 | 867.6 | 770.7 | 721.9 | 693.8 | 671.5 | 653.0 | 649.0 | 653.0 | 656.3 |
| 17.5° | 1542.2 | 1138.1 | 865.9 | 745.1 | 684.3 | 655.5 | 637.0 | 620.2 | 614.6 | 615.4 | 619.4 |
| 20° | 1639.8 | 1182.0 | 861.1 | 716.3 | 648.2 | 622.7 | 606.6 | 589.8 | 584.2 | 585.8 | 586.6 |
| 22.5° | 1649.4 | 1205.3 | 853.9 | 684.3 | 612.2 | 590.6 | 574.6 | 559.4 | 558.6 | 558.6 | 563.4 |
| 25° | 1597.5 | 1205.3 | 838.8 | 655.5 | 577.8 | 558.6 | 544.2 | 525.8 | 529.0 | 530.6 | 537.0 |
| 27.5° | 1516.6 | 1176.5 | 810.0 | 632.2 | 548.2 | 528.2 | 513.8 | 497.0 | 501.0 | 503.4 | 510.6 |
| 30° | 1436.5 | 1139.7 | 775.5 | 605.9 | 520.2 | 497.0 | 486.6 | 472.2 | 473.8 | 477.0 | 485.0 |
| 32.5° | 1362.1 | 1100.4 | 734.7 | 584.2 | 492.2 | 468.9 | 460.9 | 445.0 | 447.4 | 450.6 | 459.4 |
| 35° | 1288.5 | 1057.2 | 686.6 | 558.6 | 466.6 | 443.4 | 437.0 | 418.6 | 420.1 | 425.0 | 434.6 |
| 37.5° | 1209.3 | 1011.6 | 647.5 | 533.0 | 441.8 | 417.8 | 411.3 | 392.2 | 393.8 | 399.3 | 410.5 |
| 40° | 1126.1 | 966.8 | 609.1 | 505.8 | 415.3 | 391.3 | 385.7 | 364.9 | 366.5 | 373.0 | 385.0 |
| 42.5° | 1042.0 | 918.0 | 579.4 | 470.6 | 388.2 | 362.5 | 356.9 | 337.7 | 340.1 | 347.4 | 359.4 |
| 45° | 964.4 | 859.6 | 560.3 | 431.3 | 362.5 | 333.7 | 328.1 | 310.5 | 315.3 | 323.3 | 335.4 |
| 47.5° | 898.0 | 799.5 | 552.2 | 398.5 | 335.4 | 304.1 | 299.3 | 285.0 | 292.9 | 301.8 | 311.3 |
| 50° | 841.1 | 741.9 | 541.8 | 364.9 | 309.8 | 278.5 | 273.7 | 264.1 | 274.5 | 283.3 | 292.1 |
| 52.5° | 800.3 | 676.3 | 519.4 | 334.6 | 287.3 | 256.9 | 255.3 | 250.5 | 260.1 | 268.1 | 276.1 |
| 55° | 765.1 | 608.2 | 483.4 | 308.1 | 267.3 | 238.5 | 240.1 | 237.7 | 245.7 | 252.2 | 259.3 |
| 57.5° | 733.1 | 549.0 | 437.8 | 287.3 | 245.7 | 222.5 | 227.2 | 224.1 | 228.1 | 232.1 | 240.9 |
| 60° | 694.6 | 489.0 | 383.3 | 264.1 | 220.1 | 206.4 | 212.1 | 203.3 | 202.4 | 204.1 | 206.4 |
| 62.5° | 637.9 | 408.2 | 326.6 | 235.3 | 197.7 | 188.9 | 191.3 | 174.5 | 161.6 | 161.6 | 164.1 |
| 65° | 558.6 | 328.1 | 273.7 | 203.3 | 172.1 | 164.8 | 163.3 | 139.3 | 121.7 | 120.0 | 127.2 |
| 67.5° | 466.6 | 269.7 | 227.2 | 171.3 | 143.3 | 138.5 | 140.0 | 122.5 | 104.9 | 103.2 | 111.2 |
| 70° | 380.2 | 223.2 | 183.3 | 136.8 | 110.4 | 115.2 | 122.5 | 104.9 | 88.0 | 85.6 | 92.9 |
| 72.5° | 308.9 | 177.6 | 143.3 | 104.9 | 81.6 | 95.2 | 104.0 | 85.6 | 69.6 | 68.1 | 74.4 |
| 75° | 238.5 | 130.5 | 102.4 | 71.2 | 59.2 | 73.6 | 81.6 | 62.4 | 49.6 | 47.3 | 52.8 |
| 77.5° | 159.3 | 80.9 | 57.6 | 44.8 | 35.3 | 50.4 | 54.4 | 32.8 | 28.8 | 28.0 | 32.0 |
| 80° | 96.9 | 37.6 | 24.8 | 21.6 | 12.0 | 18.4 | 21.6 | 13.6 | 15.2 | 16.0 | 19.2 |
| 82.5° | 48.8 | 10.5 | 4.0 | 0.8 | 0.0 | 0.0 | 6.4 | 3.2 | 6.4 | 8.0 | 12.0 |
| 85° | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 4.0 | 7.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P965525
 CATALOG NUMBER: NVN-SB4A-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

| | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° | 285° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0° | 1608.6 | 1608.6 | 1608.6 | 1608.6 | 1608.6 | 1608.6 | 1608.6 | 1608.6 | 1608.6 | 1608.6 | 1608.6 |
| 2.5° | 1458.2 | 1491.8 | 1523.8 | 1575.0 | 1627.8 | 1679.9 | 1732.7 | 1783.9 | 1802.3 | 1815.9 | 1846.3 |
| 5° | 1290.1 | 1353.3 | 1427.0 | 1528.6 | 1637.4 | 1749.5 | 1863.1 | 1967.2 | 2014.4 | 2046.4 | 2118.5 |
| 7.5° | 1116.4 | 1198.8 | 1304.5 | 1457.3 | 1627.8 | 1806.4 | 1984.8 | 2148.8 | 2224.9 | 2286.5 | 2396.1 |
| 10° | 944.3 | 1034.0 | 1167.7 | 1342.1 | 1572.7 | 1828.7 | 2075.2 | 2300.9 | 2399.3 | 2477.0 | 2625.8 |
| 12.5° | 793.1 | 877.2 | 1017.2 | 1210.1 | 1486.1 | 1811.1 | 2127.3 | 2398.5 | 2514.6 | 2601.9 | 2765.0 |
| 15° | 686.6 | 745.9 | 869.9 | 1078.0 | 1383.7 | 1754.3 | 2130.5 | 2444.9 | 2572.2 | 2663.5 | 2805.1 |
| 17.5° | 627.4 | 647.5 | 728.3 | 943.6 | 1270.1 | 1679.9 | 2100.8 | 2460.9 | 2597.0 | 2681.8 | 2780.3 |
| 20° | 595.4 | 598.6 | 621.0 | 769.1 | 1124.4 | 1610.3 | 2072.9 | 2477.0 | 2620.2 | 2691.4 | 2721.1 |
| 22.5° | 569.8 | 569.8 | 575.4 | 629.0 | 936.3 | 1527.0 | 2064.0 | 2505.0 | 2652.3 | 2696.3 | 2635.5 |
| 25° | 546.6 | 546.6 | 548.2 | 562.6 | 741.9 | 1399.7 | 2058.4 | 2548.1 | 2696.3 | 2708.3 | 2541.0 |
| 27.5° | 522.6 | 523.4 | 523.4 | 531.4 | 597.9 | 1226.9 | 2034.4 | 2604.2 | 2749.0 | 2724.2 | 2450.6 |
| 30° | 498.6 | 500.2 | 500.2 | 505.8 | 529.0 | 1024.4 | 1987.2 | 2671.5 | 2817.9 | 2745.1 | 2360.9 |
| 32.5° | 474.6 | 476.2 | 476.2 | 481.0 | 497.8 | 817.9 | 1927.9 | 2733.1 | 2887.5 | 2753.9 | 2277.7 |
| 35° | 449.8 | 452.1 | 450.6 | 456.9 | 474.6 | 650.7 | 1852.7 | 2794.7 | 2962.8 | 2781.8 | 2236.9 |
| 37.5° | 425.0 | 426.6 | 425.8 | 432.1 | 452.1 | 561.8 | 1765.5 | 2841.1 | 3065.2 | 2844.3 | 2285.6 |
| 40° | 400.2 | 399.3 | 399.3 | 406.5 | 428.1 | 536.2 | 1655.9 | 2914.8 | 3212.5 | 2953.9 | 2498.5 |
| 42.5° | 374.5 | 374.5 | 373.0 | 381.0 | 407.3 | 517.0 | 1551.0 | 3046.8 | 3427.0 | 3128.4 | 2876.4 |
| 45° | 351.4 | 350.5 | 347.4 | 354.5 | 387.3 | 483.4 | 1514.2 | 3293.3 | 3743.9 | 3410.9 | 3333.3 |
| 47.5° | 328.9 | 328.1 | 320.1 | 326.6 | 363.4 | 452.9 | 1651.9 | 3696.7 | 4183.2 | 3826.3 | 3761.4 |
| 50° | 308.9 | 309.8 | 294.5 | 300.1 | 339.4 | 429.8 | 1950.4 | 4220.0 | 4766.7 | 4385.8 | 4167.2 |
| 52.5° | 290.5 | 290.5 | 270.5 | 273.7 | 309.8 | 409.0 | 2234.5 | 4787.5 | 5536.5 | 5166.0 | 4640.2 |
| 55° | 272.1 | 270.5 | 248.0 | 249.7 | 280.1 | 379.4 | 2276.9 | 5341.3 | 6586.5 | 6340.1 | 5286.8 |
| 57.5° | 251.3 | 248.0 | 227.2 | 227.2 | 252.9 | 357.7 | 1973.5 | 5767.1 | 7889.5 | 8065.5 | 6219.3 |
| 60° | 225.7 | 223.2 | 209.7 | 205.7 | 231.2 | 377.0 | 1392.6 | 5816.7 | 8729.8 | 10360.1 | 8004.7 |
| 62.5° | 192.9 | 196.1 | 188.9 | 183.3 | 210.4 | 391.3 | 825.1 | 5417.3 | 8526.6 | 11090.0 | 10143.2 |
| 65° | 152.1 | 164.8 | 163.3 | 159.3 | 231.2 | 329.7 | 487.4 | 4650.6 | 7903.1 | 10500.9 | 9707.1 |
| 67.5° | 129.7 | 138.5 | 136.0 | 136.0 | 242.5 | 250.5 | 306.5 | 3633.4 | 7045.1 | 9802.3 | 8670.6 |
| 70° | 110.4 | 119.2 | 110.4 | 110.4 | 183.3 | 152.1 | 212.1 | 2537.0 | 6119.2 | 9029.1 | 7990.3 |
| 72.5° | 91.2 | 100.0 | 90.4 | 84.0 | 146.5 | 113.7 | 155.3 | 1585.5 | 5240.4 | 8224.0 | 7524.5 |
| 75° | 69.6 | 80.1 | 72.9 | 64.8 | 96.9 | 84.9 | 117.7 | 921.2 | 4341.7 | 7036.3 | 6861.0 |
| 77.5° | 44.0 | 57.6 | 54.4 | 45.6 | 71.2 | 61.6 | 84.9 | 548.2 | 3350.1 | 5498.2 | 5901.5 |
| 80° | 27.2 | 29.6 | 30.4 | 28.8 | 40.8 | 41.6 | 57.6 | 312.1 | 2292.9 | 3831.9 | 4610.7 |
| 82.5° | 17.6 | 17.6 | 13.6 | 15.2 | 20.0 | 24.0 | 32.8 | 117.7 | 1347.8 | 2332.9 | 3209.3 |
| 85° | 12.8 | 11.2 | 7.2 | 7.2 | 9.6 | 12.0 | 12.8 | 36.0 | 546.6 | 921.2 | 1254.9 |
| 87.5° | 6.4 | 5.6 | 2.4 | 3.2 | 4.8 | 4.0 | 3.2 | 1.6 | 137.7 | 294.5 | 206.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P965525
 CATALOG NUMBER: NVN-SB4A-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

| | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|-------|---------|---------|---------|---------|--------|--------|---------|--------|
| 0° | 1608.6 | 1608.6 | 1608.6 | 1608.6 | 1608.6 | 1608.6 | 1608.6 | 1608.6 |
| 2.5° | 1862.3 | 1887.1 | 1888.8 | 1888.8 | 1867.1 | 1866.3 | 1822.3 | 1817.5 |
| 5° | 2192.9 | 2208.9 | 2212.9 | 2204.9 | 2161.6 | 2129.6 | 2044.0 | 2025.6 |
| 7.5° | 2495.4 | 2527.3 | 2527.3 | 2508.2 | 2437.8 | 2372.2 | 2248.1 | 2201.7 |
| 10° | 2737.1 | 2773.9 | 2765.9 | 2726.7 | 2637.8 | 2547.4 | 2397.0 | 2336.1 |
| 12.5° | 2854.7 | 2892.3 | 2871.5 | 2826.7 | 2740.2 | 2645.0 | 2486.5 | 2417.8 |
| 15° | 2852.4 | 2841.9 | 2820.3 | 2814.8 | 2773.1 | 2701.1 | 2553.0 | 2477.7 |
| 17.5° | 2750.7 | 2662.6 | 2645.8 | 2701.9 | 2754.7 | 2737.1 | 2610.7 | 2540.2 |
| 20° | 2589.9 | 2436.1 | 2420.9 | 2528.2 | 2678.6 | 2755.5 | 2664.3 | 2599.4 |
| 22.5° | 2420.1 | 2254.5 | 2219.2 | 2337.7 | 2564.2 | 2761.0 | 2732.2 | 2667.5 |
| 25° | 2259.3 | 2092.8 | 2057.6 | 2168.1 | 2436.9 | 2751.5 | 2805.9 | 2750.7 |
| 27.5° | 2124.8 | 1964.0 | 1931.2 | 2041.6 | 2314.6 | 2724.2 | 2879.5 | 2840.3 |
| 30° | 2020.8 | 1872.0 | 1848.0 | 1954.4 | 2208.9 | 2690.6 | 2973.2 | 2951.6 |
| 32.5° | 1960.0 | 1851.2 | 1860.0 | 1947.2 | 2152.1 | 2653.8 | 3062.8 | 3073.2 |
| 35° | 2020.0 | 2024.8 | 2101.7 | 2137.6 | 2204.9 | 2648.2 | 3184.5 | 3225.3 |
| 37.5° | 2318.5 | 2485.0 | 2644.2 | 2614.7 | 2463.4 | 2713.1 | 3366.1 | 3442.2 |
| 40° | 2826.7 | 3168.5 | 3427.0 | 3314.1 | 2933.1 | 2911.5 | 3627.8 | 3741.5 |
| 42.5° | 3447.8 | 4027.2 | 4452.9 | 4150.4 | 3539.0 | 3258.9 | 4001.6 | 4146.4 |
| 45° | 4103.2 | 5085.9 | 5756.7 | 5127.6 | 4184.9 | 3745.5 | 4567.4 | 4681.1 |
| 47.5° | 4793.9 | 6372.9 | 7240.4 | 6211.2 | 4783.5 | 4299.3 | 5338.9 | 5365.3 |
| 50° | 5549.3 | 7783.8 | 8753.0 | 7294.1 | 5361.3 | 4933.9 | 6281.7 | 6251.3 |
| 52.5° | 6268.9 | 9234.8 | 10233.6 | 8381.7 | 5868.7 | 5721.4 | 7375.7 | 7313.3 |
| 55° | 6955.5 | 10685.0 | 11723.0 | 9426.9 | 6347.3 | 6761.8 | 8675.4 | 8297.7 |
| 57.5° | 7751.9 | 11988.7 | 13258.0 | 10476.9 | 7016.3 | 8112.8 | 10128.7 | 8869.1 |
| 60° | 8929.1 | 13470.0 | 14993.9 | 11915.8 | 8288.9 | 9532.5 | 10649.7 | 8760.3 |
| 62.5° | 10432.1 | 14832.3 | 16256.0 | 13326.0 | 9566.9 | 9799.8 | 9882.2 | 7921.5 |
| 65° | 10724.2 | 15177.2 | 16327.2 | 13703.0 | 9402.1 | 8312.9 | 8068.0 | 6367.3 |
| 67.5° | 9949.5 | 14553.7 | 15331.6 | 13001.1 | 8316.8 | 6424.1 | 6054.4 | 4619.4 |
| 70° | 9080.4 | 13365.3 | 13596.5 | 11807.8 | 7314.9 | 4725.0 | 4088.8 | 2964.4 |
| 72.5° | 8189.6 | 11779.8 | 11301.2 | 10254.4 | 6428.9 | 3440.5 | 2949.1 | 2107.2 |
| 75° | 7131.6 | 9695.0 | 8901.9 | 8520.1 | 5322.9 | 2700.3 | 2133.6 | 1454.2 |
| 77.5° | 5711.0 | 6824.2 | 6612.2 | 6604.2 | 4000.0 | 1972.8 | 1423.7 | 911.5 |
| 80° | 4028.8 | 4428.9 | 4320.9 | 4973.9 | 2683.4 | 1431.0 | 857.1 | 507.4 |
| 82.5° | 1950.4 | 2448.9 | 2513.8 | 2961.9 | 1305.3 | 841.9 | 197.7 | 110.4 |
| 85° | 763.5 | 1181.3 | 996.4 | 1124.4 | 366.5 | 234.5 | 4.8 | 0.0 |
| 87.5° | 85.6 | 136.8 | 125.7 | 99.2 | 44.8 | 9.6 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)