

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: P960781

Luminaire Tested: **NVN-SB1D-722-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P960781
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB1D-722-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 900mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8588.5 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

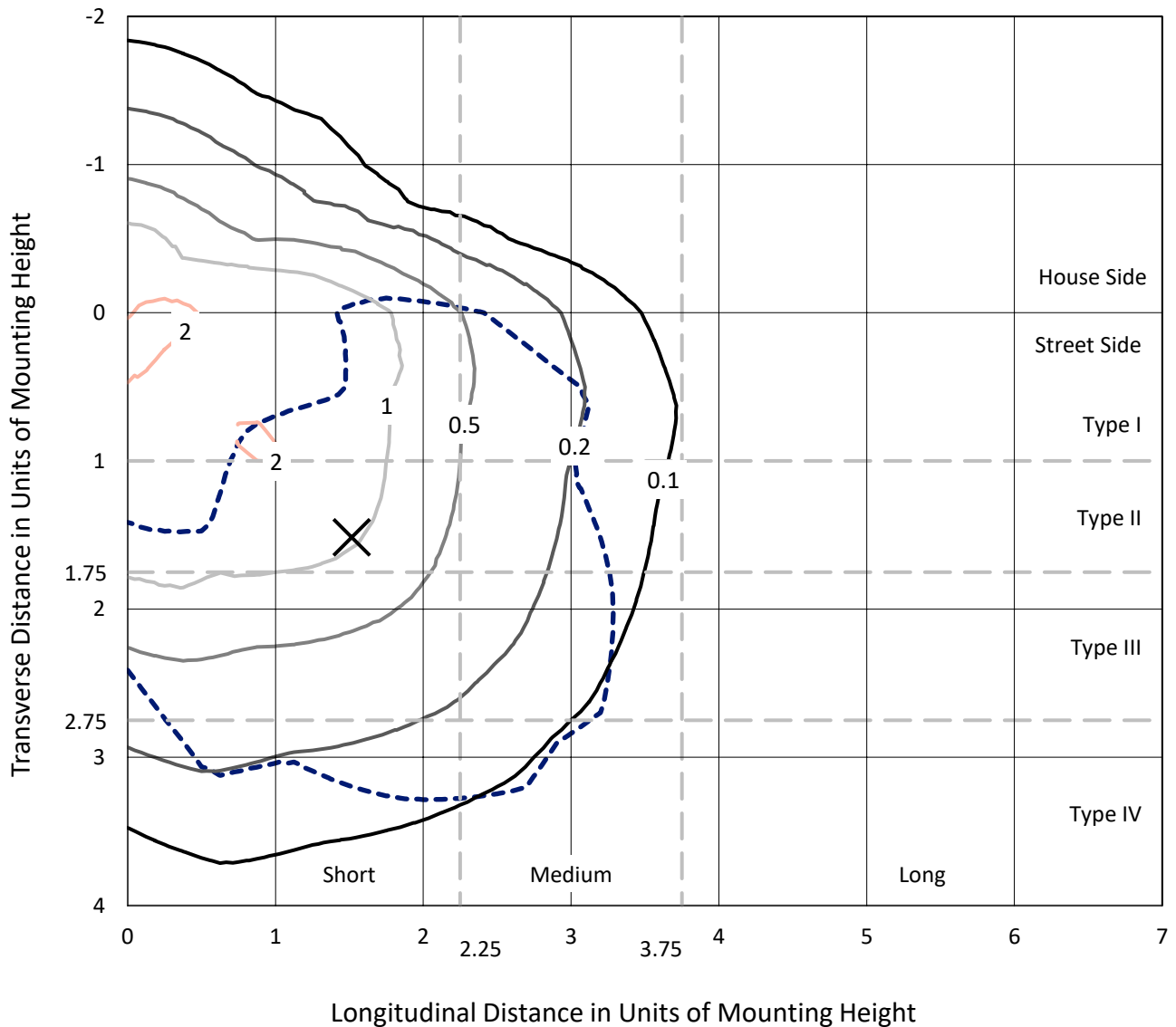
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

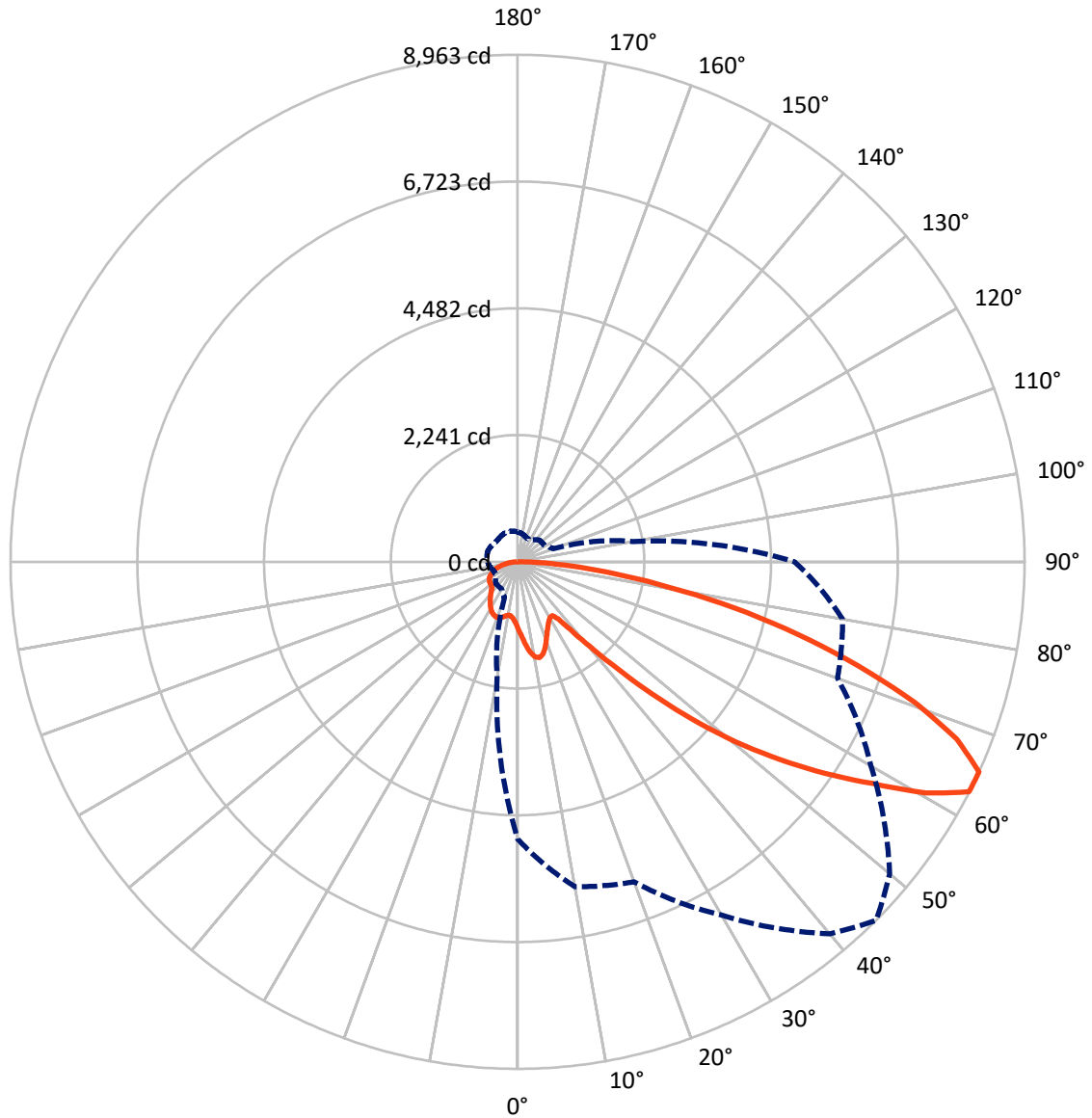
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type IV - 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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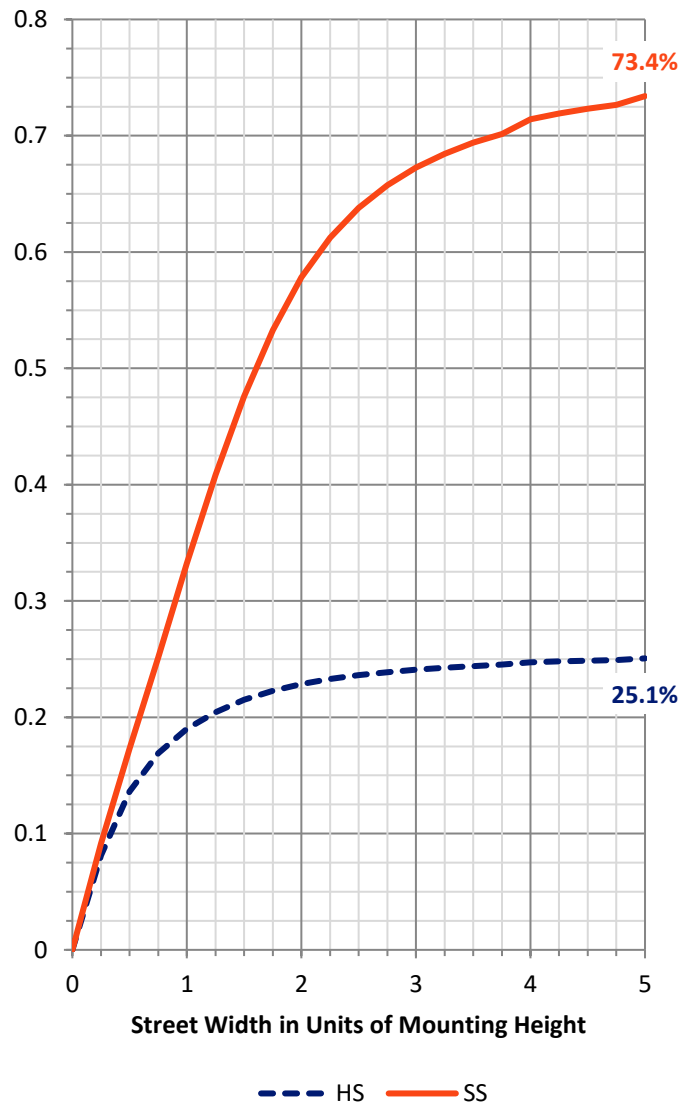
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2182.8 | 0.0 | 2182.8 |
| | % Fixture | 25.4 | 0.0 | 25.4 |
| Street Side | Lumens | 6405.7 | 0.0 | 6405.7 |
| | % Fixture | 74.6 | 0.0 | 74.6 |
| Total | Lumens | 8588.5 | 0.0 | 8588.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 117.2 | 1.4 |
| 10°-20° | 367.8 | 4.3 |
| 20°-30° | 568.1 | 6.6 |
| 30°-40° | 719.9 | 8.4 |
| 40°-50° | 1085.8 | 12.6 |
| 50°-60° | 1754.2 | 20.4 |
| 60°-70° | 2186.9 | 25.5 |
| 70°-80° | 1434.1 | 16.7 |
| 80°-90° | 354.5 | 4.1 |
| 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° | 8588.5 | 100.0 |
| 0°-180° | 8588.5 | 100.0 |

Coefficient of Utilization



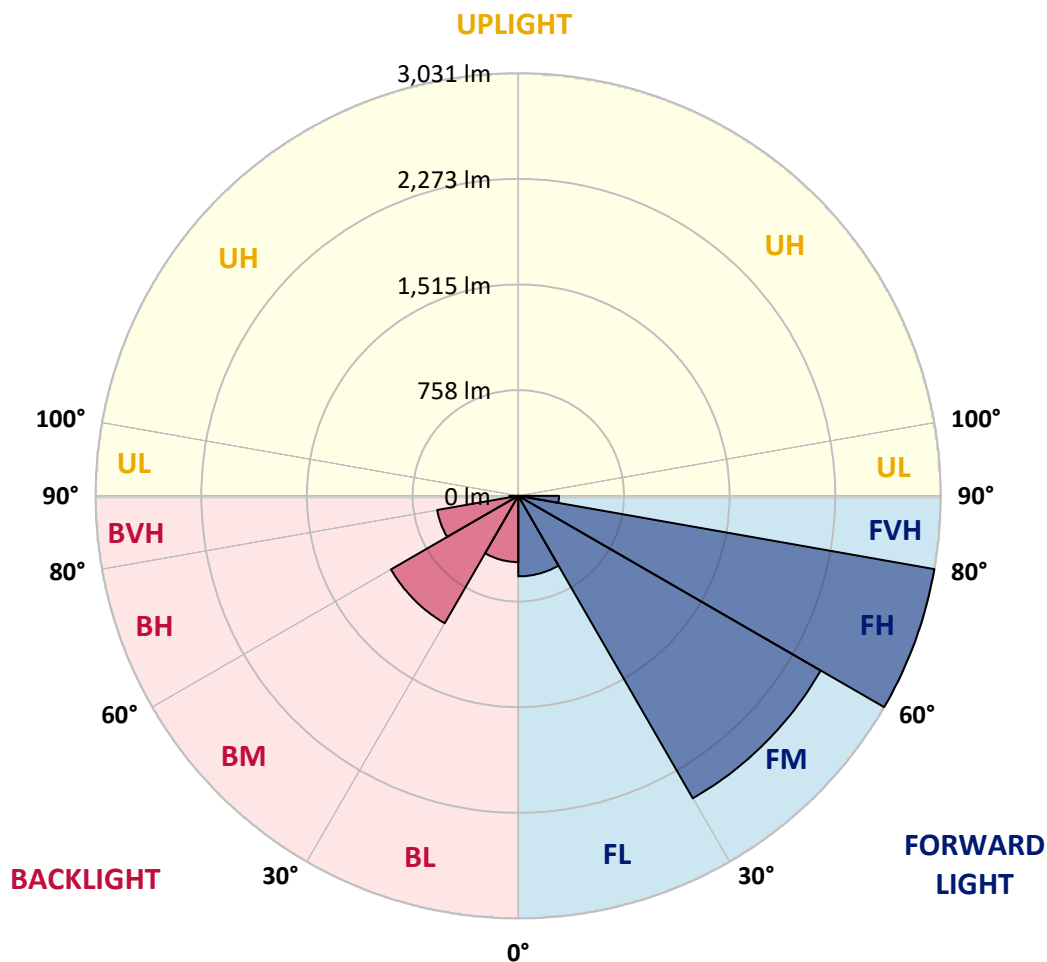
REPORT NUMBER: P960781
 CATALOG NUMBER: NVN-SB1D-722-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 577.7 | 6.7 | | | |
| FM (30°-60°) | 2505.1 | 29.2 | | | |
| FH (60°-80°) | 3030.9 | 35.3 | | | G2/5000 |
| FVH (80°-90°) | 292.1 | 3.4 | | | G3/500 |
| BL (0°-30°) | 475.3 | 5.5 | B1/500 | | |
| BM (30°-60°) | 1054.8 | 12.3 | B2/2500 | | |
| BH (60°-80°) | 590.1 | 6.9 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 62.5 | 0.7 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G3

Type IV Short



REPORT NUMBER: P960781
 CATALOG NUMBER: NVN-SB1D-722-U-SLL

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 |
| 2.5° | 1270.1 | 1274.8 | 1279.7 | 1286.6 | 1293.3 | 1297.4 | 1301.5 | 1303.6 | 1305.6 | 1304.7 | 1305.6 |
| 5° | 1365.7 | 1382.5 | 1399.3 | 1416.0 | 1432.7 | 1441.8 | 1450.9 | 1456.3 | 1461.9 | 1466.1 | 1461.9 |
| 7.5° | 1461.8 | 1489.1 | 1516.4 | 1541.1 | 1565.7 | 1580.4 | 1595.3 | 1603.3 | 1611.3 | 1615.1 | 1611.3 |
| 10° | 1535.3 | 1567.7 | 1600.1 | 1628.9 | 1657.8 | 1675.4 | 1692.7 | 1700.5 | 1708.3 | 1711.2 | 1708.3 |
| 12.5° | 1580.4 | 1615.5 | 1650.6 | 1676.7 | 1702.7 | 1715.3 | 1728.0 | 1732.4 | 1736.6 | 1737.1 | 1736.6 |
| 15° | 1607.9 | 1638.2 | 1668.4 | 1684.8 | 1701.2 | 1701.6 | 1702.0 | 1697.5 | 1693.0 | 1687.7 | 1693.0 |
| 17.5° | 1623.3 | 1643.7 | 1664.2 | 1664.5 | 1664.8 | 1646.4 | 1628.0 | 1611.2 | 1594.4 | 1582.5 | 1594.4 |
| 20° | 1640.3 | 1647.4 | 1654.6 | 1633.0 | 1611.5 | 1571.0 | 1530.5 | 1501.0 | 1471.5 | 1453.3 | 1471.5 |
| 22.5° | 1660.0 | 1650.7 | 1641.3 | 1596.7 | 1552.2 | 1492.5 | 1432.9 | 1396.0 | 1359.1 | 1339.2 | 1359.1 |
| 25° | 1685.4 | 1655.9 | 1626.5 | 1558.7 | 1491.1 | 1418.7 | 1346.3 | 1307.5 | 1268.8 | 1249.9 | 1268.8 |
| 27.5° | 1719.8 | 1667.2 | 1614.5 | 1524.8 | 1435.1 | 1354.9 | 1274.7 | 1236.6 | 1198.4 | 1180.5 | 1198.4 |
| 30° | 1766.3 | 1687.8 | 1609.2 | 1498.9 | 1388.5 | 1304.9 | 1221.3 | 1185.9 | 1150.6 | 1133.9 | 1150.6 |
| 32.5° | 1821.1 | 1713.6 | 1606.1 | 1481.2 | 1356.3 | 1277.8 | 1199.2 | 1171.5 | 1143.6 | 1131.6 | 1143.6 |
| 35° | 1887.7 | 1756.1 | 1624.5 | 1494.4 | 1364.3 | 1309.7 | 1255.2 | 1248.8 | 1242.3 | 1241.3 | 1242.3 |
| 37.5° | 1999.9 | 1845.1 | 1690.2 | 1572.0 | 1453.8 | 1450.2 | 1446.7 | 1476.3 | 1505.9 | 1521.3 | 1505.9 |
| 40° | 2169.4 | 2001.0 | 1832.7 | 1744.7 | 1656.7 | 1718.8 | 1780.9 | 1853.0 | 1925.1 | 1960.9 | 1925.1 |
| 42.5° | 2394.2 | 2227.1 | 2060.0 | 2009.4 | 1958.8 | 2094.2 | 2229.6 | 2360.6 | 2491.7 | 2568.6 | 2491.7 |
| 45° | 2671.8 | 2521.7 | 2371.5 | 2349.2 | 2326.9 | 2543.8 | 2760.7 | 2976.1 | 3191.5 | 3322.2 | 3191.5 |
| 47.5° | 3018.8 | 2872.9 | 2726.9 | 2722.3 | 2717.8 | 3030.8 | 3343.7 | 3658.9 | 3974.1 | 4159.2 | 3974.1 |
| 50° | 3473.8 | 3293.5 | 3113.2 | 3114.1 | 3114.8 | 3518.1 | 3921.4 | 4337.6 | 4753.7 | 5005.4 | 4753.7 |
| 52.5° | 3996.2 | 3777.8 | 3559.5 | 3537.5 | 3515.3 | 3997.1 | 4478.8 | 4993.8 | 5508.7 | 5810.2 | 5508.7 |
| 55° | 4552.2 | 4336.5 | 4120.8 | 4034.7 | 3948.6 | 4484.9 | 5021.1 | 5634.8 | 6248.7 | 6607.4 | 6248.7 |
| 57.5° | 5058.0 | 4940.5 | 4822.9 | 4650.3 | 4477.8 | 5019.2 | 5560.6 | 6255.9 | 6951.1 | 7395.9 | 6951.1 |
| 60° | 5363.6 | 5546.1 | 5728.5 | 5514.2 | 5299.9 | 5812.3 | 6324.6 | 7069.0 | 7813.4 | 8294.1 | 7813.4 |
| 62.5° | 5208.4 | 5707.0 | 6205.5 | 6181.4 | 6157.2 | 6626.5 | 7095.9 | 7804.1 | 8512.3 | 8956.7 | 8512.3 |
| 65° | 4897.8 | 5365.7 | 5833.6 | 5926.1 | 6018.7 | 6615.1 | 7211.7 | 7898.4 | 8585.2 | 8963.4 | 8585.2 |
| 67.5° | 4481.5 | 4926.6 | 5371.5 | 5415.0 | 5458.3 | 6079.8 | 6701.2 | 7391.0 | 8080.7 | 8377.0 | 8080.7 |
| 70° | 3981.4 | 4465.4 | 4949.5 | 4969.0 | 4988.4 | 5544.1 | 6099.9 | 6693.5 | 7286.9 | 7451.6 | 7286.9 |
| 72.5° | 3385.5 | 3940.9 | 4496.5 | 4510.4 | 4524.3 | 4959.2 | 5394.0 | 5838.5 | 6282.9 | 6299.6 | 6282.9 |
| 75° | 2631.6 | 3206.5 | 3781.4 | 3833.1 | 3884.6 | 4223.0 | 4561.2 | 4874.2 | 5187.1 | 5103.3 | 5187.1 |
| 77.5° | 1880.3 | 2417.0 | 2953.6 | 3027.4 | 3101.3 | 3358.5 | 3615.7 | 3837.6 | 4059.6 | 3915.5 | 4059.6 |
| 80° | 1230.6 | 1682.1 | 2133.5 | 2225.4 | 2317.2 | 2511.5 | 2705.6 | 2822.1 | 2938.7 | 2706.8 | 2938.7 |
| 82.5° | 715.3 | 1024.0 | 1332.7 | 1435.3 | 1537.9 | 1671.6 | 1805.2 | 1853.9 | 1902.5 | 1720.3 | 1902.5 |
| 85° | 314.8 | 478.6 | 642.4 | 729.6 | 816.8 | 926.7 | 1036.5 | 1064.2 | 1091.7 | 945.8 | 1091.7 |
| 87.5° | 97.5 | 152.5 | 207.6 | 256.2 | 304.9 | 359.8 | 414.7 | 417.1 | 419.4 | 352.1 | 419.4 |
| 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: P960781
 CATALOG NUMBER: NVN-SB1D-722-U-SLL

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 |
| 2.5° | 1303.6 | 1301.5 | 1297.4 | 1293.3 | 1286.6 | 1279.7 | 1274.8 | 1270.1 | 1260.3 | 1250.6 | 1240.1 |
| 5° | 1456.3 | 1450.9 | 1441.8 | 1432.7 | 1416.0 | 1399.3 | 1382.5 | 1365.7 | 1344.2 | 1322.6 | 1301.1 |
| 7.5° | 1603.3 | 1595.3 | 1580.4 | 1565.7 | 1541.1 | 1516.4 | 1489.1 | 1461.8 | 1426.2 | 1390.7 | 1357.9 |
| 10° | 1700.5 | 1692.7 | 1675.4 | 1657.8 | 1628.9 | 1600.1 | 1567.7 | 1535.3 | 1490.5 | 1445.6 | 1402.2 |
| 12.5° | 1732.4 | 1728.0 | 1715.3 | 1702.7 | 1676.7 | 1650.6 | 1615.5 | 1580.4 | 1531.1 | 1481.8 | 1432.6 |
| 15° | 1697.5 | 1702.0 | 1701.6 | 1701.2 | 1684.8 | 1668.4 | 1638.2 | 1607.9 | 1556.5 | 1505.0 | 1451.7 |
| 17.5° | 1611.2 | 1628.0 | 1646.4 | 1664.8 | 1664.5 | 1664.2 | 1643.7 | 1623.3 | 1571.1 | 1518.9 | 1460.8 |
| 20° | 1501.0 | 1530.5 | 1571.0 | 1611.5 | 1633.0 | 1654.6 | 1647.4 | 1640.3 | 1586.1 | 1531.9 | 1467.9 |
| 22.5° | 1396.0 | 1432.9 | 1492.5 | 1552.2 | 1596.7 | 1641.3 | 1650.7 | 1660.0 | 1604.6 | 1549.2 | 1477.5 |
| 25° | 1307.5 | 1346.3 | 1418.7 | 1491.1 | 1558.7 | 1626.5 | 1655.9 | 1685.4 | 1631.1 | 1576.9 | 1495.0 |
| 27.5° | 1236.6 | 1274.7 | 1354.9 | 1435.1 | 1524.8 | 1614.5 | 1667.2 | 1719.8 | 1668.1 | 1616.2 | 1522.1 |
| 30° | 1185.9 | 1221.3 | 1304.9 | 1388.5 | 1498.9 | 1609.2 | 1687.8 | 1766.3 | 1716.3 | 1666.2 | 1557.4 |
| 32.5° | 1171.5 | 1199.2 | 1277.8 | 1356.3 | 1481.2 | 1606.1 | 1713.6 | 1821.1 | 1771.6 | 1722.1 | 1594.1 |
| 35° | 1248.8 | 1255.2 | 1309.7 | 1364.3 | 1494.4 | 1624.5 | 1756.1 | 1887.7 | 1840.3 | 1792.8 | 1636.0 |
| 37.5° | 1476.3 | 1446.7 | 1450.2 | 1453.8 | 1572.0 | 1690.2 | 1845.1 | 1999.9 | 1939.4 | 1878.9 | 1682.8 |
| 40° | 1853.0 | 1780.9 | 1718.8 | 1656.7 | 1744.7 | 1832.7 | 2001.0 | 2169.4 | 2081.3 | 1993.2 | 1742.4 |
| 42.5° | 2360.6 | 2229.6 | 2094.2 | 1958.8 | 2009.4 | 2060.0 | 2227.1 | 2394.2 | 2267.0 | 2139.8 | 1820.3 |
| 45° | 2976.1 | 2760.7 | 2543.8 | 2326.9 | 2349.2 | 2371.5 | 2521.7 | 2671.8 | 2500.2 | 2328.7 | 1922.8 |
| 47.5° | 3658.9 | 3343.7 | 3030.8 | 2717.8 | 2722.3 | 2726.9 | 2872.9 | 3018.8 | 2777.4 | 2536.0 | 2032.1 |
| 50° | 4337.6 | 3921.4 | 3518.1 | 3114.8 | 3114.1 | 3113.2 | 3293.5 | 3473.8 | 3110.0 | 2745.9 | 2133.4 |
| 52.5° | 4993.8 | 4478.8 | 3997.1 | 3515.3 | 3537.5 | 3559.5 | 3777.8 | 3996.2 | 3459.2 | 2922.1 | 2199.2 |
| 55° | 5634.8 | 5021.1 | 4484.9 | 3948.6 | 4034.7 | 4120.8 | 4336.5 | 4552.2 | 3768.7 | 2985.3 | 2184.7 |
| 57.5° | 6255.9 | 5560.6 | 5019.2 | 4477.8 | 4650.3 | 4822.9 | 4940.5 | 5058.0 | 3988.2 | 2918.4 | 2082.6 |
| 60° | 7069.0 | 6324.6 | 5812.3 | 5299.9 | 5514.2 | 5728.5 | 5546.1 | 5363.6 | 4043.0 | 2722.3 | 1892.7 |
| 62.5° | 7804.1 | 7095.9 | 6626.5 | 6157.2 | 6181.4 | 6205.5 | 5707.0 | 5208.4 | 3812.1 | 2415.8 | 1635.9 |
| 65° | 7898.4 | 7211.7 | 6615.1 | 6018.7 | 5926.1 | 5833.6 | 5365.7 | 4897.8 | 3485.4 | 2073.1 | 1373.9 |
| 67.5° | 7391.0 | 6701.2 | 6079.8 | 5458.3 | 5415.0 | 5371.5 | 4926.6 | 4481.5 | 3096.6 | 1711.7 | 1117.1 |
| 70° | 6693.5 | 6099.9 | 5544.1 | 4988.4 | 4969.0 | 4949.5 | 4465.4 | 3981.4 | 2672.4 | 1363.4 | 879.7 |
| 72.5° | 5838.5 | 5394.0 | 4959.2 | 4524.3 | 4510.4 | 4496.5 | 3940.9 | 3385.5 | 2212.6 | 1039.6 | 672.5 |
| 75° | 4874.2 | 4561.2 | 4223.0 | 3884.6 | 3833.1 | 3781.4 | 3206.5 | 2631.6 | 1685.3 | 739.0 | 488.1 |
| 77.5° | 3837.6 | 3615.7 | 3358.5 | 3101.3 | 3027.4 | 2953.6 | 2417.0 | 1880.3 | 1179.6 | 478.9 | 330.8 |
| 80° | 2822.1 | 2705.6 | 2511.5 | 2317.2 | 2225.4 | 2133.5 | 1682.1 | 1230.6 | 759.9 | 289.4 | 213.1 |
| 82.5° | 1853.9 | 1805.2 | 1671.6 | 1537.9 | 1435.3 | 1332.7 | 1024.0 | 715.3 | 439.8 | 164.4 | 131.1 |
| 85° | 1064.2 | 1036.5 | 926.7 | 816.8 | 729.6 | 642.4 | 478.6 | 314.8 | 197.8 | 81.1 | 70.1 |
| 87.5° | 417.1 | 414.7 | 359.8 | 304.9 | 256.2 | 207.6 | 152.5 | 97.5 | 64.8 | 32.2 | 29.0 |
| 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: P960781
 CATALOG NUMBER: NVN-SB1D-722-U-SLL

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 |
| 2.5° | 1229.8 | 1219.4 | 1209.0 | 1199.0 | 1189.1 | 1179.4 | 1168.7 | 1160.0 | 1151.3 | 1143.5 | 1135.7 |
| 5° | 1279.7 | 1258.1 | 1236.5 | 1216.4 | 1196.2 | 1177.1 | 1158.4 | 1142.0 | 1125.4 | 1111.7 | 1098.0 |
| 7.5° | 1325.1 | 1293.1 | 1261.2 | 1233.1 | 1204.9 | 1179.0 | 1154.7 | 1132.7 | 1111.0 | 1092.9 | 1074.7 |
| 10° | 1358.8 | 1320.1 | 1281.2 | 1247.9 | 1214.6 | 1182.5 | 1156.4 | 1133.4 | 1110.4 | 1092.2 | 1074.1 |
| 12.5° | 1383.5 | 1337.8 | 1292.0 | 1254.4 | 1216.7 | 1183.1 | 1158.7 | 1139.8 | 1121.0 | 1109.0 | 1097.1 |
| 15° | 1398.4 | 1345.7 | 1293.0 | 1249.4 | 1205.8 | 1168.5 | 1149.0 | 1140.0 | 1131.1 | 1132.7 | 1134.3 |
| 17.5° | 1402.7 | 1341.5 | 1280.3 | 1227.8 | 1175.5 | 1131.6 | 1119.6 | 1122.9 | 1126.2 | 1145.9 | 1165.6 |
| 20° | 1404.0 | 1329.9 | 1255.7 | 1190.7 | 1125.8 | 1074.7 | 1071.5 | 1086.9 | 1102.4 | 1136.6 | 1171.1 |
| 22.5° | 1405.9 | 1315.7 | 1225.5 | 1147.2 | 1069.0 | 1010.9 | 1017.0 | 1039.9 | 1062.6 | 1101.8 | 1141.0 |
| 25° | 1413.1 | 1301.6 | 1190.2 | 1098.6 | 1007.0 | 947.4 | 964.1 | 990.5 | 1016.7 | 1052.0 | 1087.2 |
| 27.5° | 1427.9 | 1292.2 | 1156.5 | 1054.1 | 951.8 | 897.5 | 917.9 | 943.3 | 968.6 | 997.6 | 1026.5 |
| 30° | 1448.4 | 1287.8 | 1127.2 | 1017.0 | 906.8 | 861.3 | 877.3 | 897.4 | 917.6 | 941.7 | 965.7 |
| 32.5° | 1466.2 | 1282.4 | 1098.6 | 984.9 | 871.2 | 834.6 | 841.6 | 853.5 | 865.5 | 884.7 | 903.8 |
| 35° | 1479.1 | 1272.1 | 1065.4 | 953.5 | 841.5 | 811.0 | 808.0 | 811.3 | 814.6 | 829.2 | 843.8 |
| 37.5° | 1486.8 | 1254.6 | 1022.4 | 916.4 | 810.3 | 783.5 | 772.7 | 769.2 | 765.5 | 776.0 | 786.5 |
| 40° | 1491.7 | 1230.5 | 969.3 | 872.2 | 774.9 | 750.7 | 734.1 | 725.9 | 717.7 | 725.3 | 732.9 |
| 42.5° | 1500.8 | 1205.5 | 910.3 | 823.4 | 736.4 | 714.0 | 693.1 | 682.2 | 671.4 | 677.5 | 683.8 |
| 45° | 1517.0 | 1182.4 | 847.8 | 771.5 | 695.2 | 672.5 | 652.3 | 641.8 | 631.2 | 636.3 | 641.6 |
| 47.5° | 1528.2 | 1163.3 | 798.4 | 730.5 | 662.6 | 633.3 | 615.9 | 607.1 | 598.2 | 603.1 | 607.9 |
| 50° | 1520.9 | 1142.5 | 763.9 | 703.3 | 642.5 | 604.1 | 583.9 | 576.0 | 568.2 | 575.8 | 583.4 |
| 52.5° | 1476.2 | 1107.2 | 738.2 | 685.3 | 632.4 | 588.2 | 560.1 | 552.3 | 544.5 | 556.0 | 567.3 |
| 55° | 1384.1 | 1048.9 | 713.7 | 672.3 | 630.9 | 589.8 | 547.3 | 535.0 | 522.8 | 539.0 | 555.2 |
| 57.5° | 1246.9 | 966.6 | 686.1 | 656.9 | 627.6 | 591.4 | 539.8 | 521.8 | 503.9 | 521.3 | 538.8 |
| 60° | 1063.0 | 859.7 | 656.3 | 633.3 | 610.4 | 586.4 | 532.6 | 509.3 | 486.1 | 501.4 | 516.7 |
| 62.5° | 856.0 | 731.7 | 607.6 | 592.3 | 577.1 | 574.2 | 524.3 | 495.2 | 466.1 | 475.8 | 485.5 |
| 65° | 674.7 | 616.7 | 558.7 | 551.6 | 544.4 | 544.7 | 506.7 | 475.7 | 444.7 | 448.5 | 452.2 |
| 67.5° | 522.6 | 506.1 | 489.6 | 493.7 | 497.6 | 496.7 | 475.3 | 449.6 | 423.8 | 422.6 | 421.5 |
| 70° | 395.9 | 400.6 | 405.3 | 423.9 | 442.5 | 442.5 | 435.5 | 417.2 | 398.9 | 394.8 | 390.7 |
| 72.5° | 305.3 | 319.5 | 333.7 | 360.2 | 386.6 | 391.1 | 391.1 | 378.6 | 366.1 | 360.1 | 354.1 |
| 75° | 237.1 | 250.0 | 262.8 | 292.4 | 322.2 | 342.6 | 340.9 | 331.3 | 321.5 | 315.8 | 310.1 |
| 77.5° | 182.6 | 191.3 | 200.1 | 228.9 | 257.6 | 291.4 | 290.5 | 282.7 | 275.0 | 269.2 | 263.4 |
| 80° | 136.8 | 140.5 | 144.1 | 168.5 | 192.8 | 233.2 | 233.0 | 226.5 | 220.1 | 215.1 | 210.2 |
| 82.5° | 97.8 | 98.4 | 99.1 | 117.1 | 135.1 | 169.5 | 171.4 | 168.2 | 165.0 | 161.6 | 158.2 |
| 85° | 59.1 | 58.8 | 58.4 | 71.6 | 84.8 | 110.4 | 112.9 | 109.5 | 106.1 | 102.2 | 98.3 |
| 87.5° | 25.9 | 25.6 | 25.3 | 30.6 | 36.0 | 46.6 | 49.8 | 48.5 | 47.2 | 46.4 | 45.7 |
| 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: P960781
 CATALOG NUMBER: NVN-SB1D-722-U-SLL

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 |
| 2.5° | 1128.8 | 1122.0 | 1115.1 | 1108.2 | 1103.0 | 1097.6 | 1093.3 | 1089.0 | 1085.7 | 1082.3 | 1079.2 |
| 5° | 1085.8 | 1073.7 | 1062.6 | 1051.6 | 1043.1 | 1034.6 | 1028.7 | 1022.7 | 1018.5 | 1014.3 | 1011.1 |
| 7.5° | 1059.4 | 1044.2 | 1030.6 | 1017.2 | 1007.1 | 997.0 | 989.9 | 982.9 | 978.1 | 973.2 | 970.3 |
| 10° | 1057.7 | 1041.2 | 1026.0 | 1010.9 | 998.8 | 986.7 | 978.8 | 970.8 | 966.3 | 961.7 | 959.2 |
| 12.5° | 1084.1 | 1071.2 | 1055.5 | 1039.9 | 1024.4 | 1009.0 | 998.8 | 988.6 | 983.5 | 978.5 | 976.3 |
| 15° | 1131.0 | 1127.6 | 1114.0 | 1100.3 | 1078.4 | 1056.5 | 1041.0 | 1025.4 | 1018.3 | 1011.3 | 1008.6 |
| 17.5° | 1176.2 | 1186.6 | 1175.7 | 1164.7 | 1135.6 | 1106.6 | 1083.7 | 1060.9 | 1050.4 | 1039.9 | 1036.4 |
| 20° | 1193.0 | 1214.9 | 1209.9 | 1204.8 | 1171.6 | 1138.4 | 1110.4 | 1082.4 | 1069.0 | 1055.4 | 1051.1 |
| 22.5° | 1169.6 | 1198.2 | 1201.3 | 1204.4 | 1172.6 | 1140.9 | 1112.0 | 1083.2 | 1069.0 | 1054.8 | 1050.0 |
| 25° | 1115.3 | 1143.5 | 1153.9 | 1164.4 | 1138.5 | 1112.4 | 1086.8 | 1061.3 | 1048.9 | 1036.7 | 1032.2 |
| 27.5° | 1049.1 | 1071.6 | 1083.4 | 1095.1 | 1076.6 | 1058.1 | 1038.2 | 1018.3 | 1010.0 | 1001.7 | 999.7 |
| 30° | 984.3 | 1003.1 | 1012.6 | 1022.1 | 1008.1 | 993.9 | 979.7 | 965.3 | 961.1 | 956.9 | 956.9 |
| 32.5° | 921.8 | 939.8 | 950.4 | 960.9 | 948.0 | 935.0 | 923.6 | 912.2 | 909.5 | 906.7 | 907.1 |
| 35° | 861.6 | 879.3 | 892.1 | 904.8 | 895.5 | 886.3 | 875.9 | 865.3 | 861.1 | 857.0 | 856.1 |
| 37.5° | 804.2 | 821.9 | 837.6 | 853.3 | 849.1 | 844.8 | 835.2 | 825.4 | 817.8 | 810.2 | 806.2 |
| 40° | 750.0 | 767.1 | 785.2 | 803.3 | 804.3 | 805.3 | 797.1 | 788.9 | 777.8 | 766.7 | 759.2 |
| 42.5° | 700.0 | 716.3 | 735.7 | 755.2 | 760.4 | 765.7 | 758.7 | 751.8 | 738.0 | 724.2 | 713.3 |
| 45° | 657.0 | 672.4 | 692.6 | 712.9 | 720.4 | 727.9 | 721.6 | 715.3 | 699.6 | 683.8 | 671.0 |
| 47.5° | 623.0 | 638.1 | 658.0 | 677.9 | 686.5 | 695.2 | 690.8 | 686.4 | 672.4 | 658.4 | 646.5 |
| 50° | 597.7 | 611.9 | 629.8 | 647.6 | 658.7 | 669.7 | 669.4 | 669.2 | 658.0 | 646.8 | 635.8 |
| 52.5° | 580.5 | 593.5 | 610.1 | 626.8 | 639.8 | 652.9 | 655.3 | 657.6 | 648.5 | 639.4 | 629.6 |
| 55° | 569.3 | 583.3 | 597.9 | 612.4 | 626.4 | 640.2 | 643.5 | 646.8 | 638.8 | 630.8 | 622.2 |
| 57.5° | 555.3 | 571.8 | 586.2 | 600.6 | 614.7 | 628.6 | 631.9 | 635.3 | 627.2 | 619.1 | 610.6 |
| 60° | 535.7 | 554.6 | 569.3 | 583.9 | 598.0 | 612.0 | 615.6 | 619.3 | 611.4 | 603.5 | 594.7 |
| 62.5° | 507.7 | 529.7 | 545.4 | 561.1 | 573.9 | 586.8 | 590.3 | 593.8 | 586.6 | 579.5 | 570.3 |
| 65° | 475.9 | 499.6 | 514.6 | 529.5 | 540.9 | 552.2 | 555.8 | 559.3 | 552.5 | 545.6 | 536.7 |
| 67.5° | 443.3 | 465.1 | 479.4 | 493.5 | 503.3 | 513.1 | 516.6 | 520.0 | 513.7 | 507.5 | 499.2 |
| 70° | 409.9 | 429.2 | 441.4 | 453.7 | 462.5 | 471.3 | 474.7 | 478.1 | 472.9 | 467.8 | 459.8 |
| 72.5° | 369.3 | 384.4 | 395.4 | 406.5 | 415.1 | 423.8 | 427.8 | 431.8 | 427.5 | 423.2 | 415.6 |
| 75° | 321.3 | 332.5 | 342.6 | 352.6 | 360.5 | 368.4 | 372.5 | 376.7 | 374.6 | 372.5 | 366.1 |
| 77.5° | 272.5 | 281.7 | 290.3 | 298.9 | 307.2 | 315.4 | 319.3 | 323.2 | 320.3 | 317.3 | 310.9 |
| 80° | 217.9 | 225.5 | 232.7 | 240.0 | 246.3 | 252.6 | 257.7 | 262.8 | 261.6 | 260.3 | 251.7 |
| 82.5° | 157.5 | 156.9 | 154.4 | 151.8 | 165.2 | 178.7 | 187.5 | 196.2 | 195.7 | 195.1 | 187.8 |
| 85° | 95.1 | 91.7 | 84.8 | 77.7 | 90.3 | 102.9 | 113.8 | 124.6 | 123.7 | 122.8 | 117.1 |
| 87.5° | 45.5 | 45.4 | 40.1 | 34.6 | 40.0 | 45.2 | 49.6 | 54.0 | 52.9 | 51.8 | 48.9 |
| 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: P960781
 CATALOG NUMBER: NVN-SB1D-722-U-SLL

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 |
| 2.5° | 1076.0 | 1072.3 | 1076.0 | 1079.2 | 1082.3 | 1085.7 | 1089.0 | 1093.3 | 1097.6 | 1103.0 | 1108.2 |
| 5° | 1007.9 | 1004.7 | 1007.9 | 1011.1 | 1014.3 | 1018.5 | 1022.7 | 1028.7 | 1034.6 | 1043.1 | 1051.6 |
| 7.5° | 967.5 | 965.2 | 967.5 | 970.3 | 973.2 | 978.1 | 982.9 | 989.9 | 997.0 | 1007.1 | 1017.2 |
| 10° | 956.7 | 955.7 | 956.7 | 959.2 | 961.7 | 966.3 | 970.8 | 978.8 | 986.7 | 998.8 | 1010.9 |
| 12.5° | 974.3 | 973.9 | 974.3 | 976.3 | 978.5 | 983.5 | 988.6 | 998.8 | 1009.0 | 1024.4 | 1039.9 |
| 15° | 1005.8 | 1005.6 | 1005.8 | 1008.6 | 1011.3 | 1018.3 | 1025.4 | 1041.0 | 1056.5 | 1078.4 | 1100.3 |
| 17.5° | 1032.9 | 1032.4 | 1032.9 | 1036.4 | 1039.9 | 1050.4 | 1060.9 | 1083.7 | 1106.6 | 1135.6 | 1164.7 |
| 20° | 1046.8 | 1045.5 | 1046.8 | 1051.1 | 1055.4 | 1069.0 | 1082.4 | 1110.4 | 1138.4 | 1171.6 | 1204.8 |
| 22.5° | 1045.3 | 1043.2 | 1045.3 | 1050.0 | 1054.8 | 1069.0 | 1083.2 | 1112.0 | 1140.9 | 1172.6 | 1204.4 |
| 25° | 1027.8 | 1025.1 | 1027.8 | 1032.2 | 1036.7 | 1048.9 | 1061.3 | 1086.8 | 1112.4 | 1138.5 | 1164.4 |
| 27.5° | 997.6 | 997.0 | 997.6 | 999.7 | 1001.7 | 1010.0 | 1018.3 | 1038.2 | 1058.1 | 1076.6 | 1095.1 |
| 30° | 956.9 | 957.6 | 956.9 | 956.9 | 956.9 | 961.1 | 965.3 | 979.7 | 993.9 | 1008.1 | 1022.1 |
| 32.5° | 907.5 | 908.2 | 907.5 | 907.1 | 906.7 | 909.5 | 912.2 | 923.6 | 935.0 | 948.0 | 960.9 |
| 35° | 855.2 | 854.7 | 855.2 | 856.1 | 857.0 | 861.1 | 865.3 | 875.9 | 886.3 | 895.5 | 904.8 |
| 37.5° | 802.2 | 799.9 | 802.2 | 806.2 | 810.2 | 817.8 | 825.4 | 835.2 | 844.8 | 849.1 | 853.3 |
| 40° | 751.7 | 747.3 | 751.7 | 759.2 | 766.7 | 777.8 | 788.9 | 797.1 | 805.3 | 804.3 | 803.3 |
| 42.5° | 702.3 | 695.2 | 702.3 | 713.3 | 724.2 | 738.0 | 751.8 | 758.7 | 765.7 | 760.4 | 755.2 |
| 45° | 658.2 | 649.8 | 658.2 | 671.0 | 683.8 | 699.6 | 715.3 | 721.6 | 727.9 | 720.4 | 712.9 |
| 47.5° | 634.7 | 626.8 | 634.7 | 646.5 | 658.4 | 672.4 | 686.4 | 690.8 | 695.2 | 686.5 | 677.9 |
| 50° | 624.8 | 617.3 | 624.8 | 635.8 | 646.8 | 658.0 | 669.2 | 669.4 | 669.7 | 658.7 | 647.6 |
| 52.5° | 619.7 | 612.7 | 619.7 | 629.6 | 639.4 | 648.5 | 657.6 | 655.3 | 652.9 | 639.8 | 626.8 |
| 55° | 613.6 | 607.3 | 613.6 | 622.2 | 630.8 | 638.8 | 646.8 | 643.5 | 640.2 | 626.4 | 612.4 |
| 57.5° | 602.1 | 595.5 | 602.1 | 610.6 | 619.1 | 627.2 | 635.3 | 631.9 | 628.6 | 614.7 | 600.6 |
| 60° | 586.0 | 579.1 | 586.0 | 594.7 | 603.5 | 611.4 | 619.3 | 615.6 | 612.0 | 598.0 | 583.9 |
| 62.5° | 561.1 | 552.9 | 561.1 | 570.3 | 579.5 | 586.6 | 593.8 | 590.3 | 586.8 | 573.9 | 561.1 |
| 65° | 527.8 | 520.7 | 527.8 | 536.7 | 545.6 | 552.5 | 559.3 | 555.8 | 552.2 | 540.9 | 529.5 |
| 67.5° | 490.8 | 484.4 | 490.8 | 499.2 | 507.5 | 513.7 | 520.0 | 516.6 | 513.1 | 503.3 | 493.5 |
| 70° | 451.8 | 444.5 | 451.8 | 459.8 | 467.8 | 472.9 | 478.1 | 474.7 | 471.3 | 462.5 | 453.7 |
| 72.5° | 408.1 | 401.1 | 408.1 | 415.6 | 423.2 | 427.5 | 431.8 | 427.8 | 423.8 | 415.1 | 406.5 |
| 75° | 359.8 | 353.0 | 359.8 | 366.1 | 372.5 | 374.6 | 376.7 | 372.5 | 368.4 | 360.5 | 352.6 |
| 77.5° | 304.4 | 299.1 | 304.4 | 310.9 | 317.3 | 320.3 | 323.2 | 319.3 | 315.4 | 307.2 | 298.9 |
| 80° | 243.0 | 233.0 | 243.0 | 251.7 | 260.3 | 261.6 | 262.8 | 257.7 | 252.6 | 246.3 | 240.0 |
| 82.5° | 180.5 | 174.0 | 180.5 | 187.8 | 195.1 | 195.7 | 196.2 | 187.5 | 178.7 | 165.2 | 151.8 |
| 85° | 111.4 | 105.6 | 111.4 | 117.1 | 122.8 | 123.7 | 124.6 | 113.8 | 102.9 | 90.3 | 77.7 |
| 87.5° | 45.8 | 43.0 | 45.8 | 48.9 | 51.8 | 52.9 | 54.0 | 49.6 | 45.2 | 40.0 | 34.6 |
| 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: P960781
 CATALOG NUMBER: NVN-SB1D-722-U-SLL

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 |
| 2.5° | 1115.1 | 1122.0 | 1128.8 | 1135.7 | 1143.5 | 1151.3 | 1160.0 | 1168.7 | 1179.4 | 1189.1 | 1199.0 |
| 5° | 1062.6 | 1073.7 | 1085.8 | 1098.0 | 1111.7 | 1125.4 | 1142.0 | 1158.4 | 1177.1 | 1196.2 | 1216.4 |
| 7.5° | 1030.6 | 1044.2 | 1059.4 | 1074.7 | 1092.9 | 1111.0 | 1132.7 | 1154.7 | 1179.0 | 1204.9 | 1233.1 |
| 10° | 1026.0 | 1041.2 | 1057.7 | 1074.1 | 1092.2 | 1110.4 | 1133.4 | 1156.4 | 1182.5 | 1214.6 | 1247.9 |
| 12.5° | 1055.5 | 1071.2 | 1084.1 | 1097.1 | 1109.0 | 1121.0 | 1139.8 | 1158.7 | 1183.1 | 1216.7 | 1254.4 |
| 15° | 1114.0 | 1127.6 | 1131.0 | 1134.3 | 1132.7 | 1131.1 | 1140.0 | 1149.0 | 1168.5 | 1205.8 | 1249.4 |
| 17.5° | 1175.7 | 1186.6 | 1176.2 | 1165.6 | 1145.9 | 1126.2 | 1122.9 | 1119.6 | 1131.6 | 1175.5 | 1227.8 |
| 20° | 1209.9 | 1214.9 | 1193.0 | 1171.1 | 1136.6 | 1102.4 | 1086.9 | 1071.5 | 1074.7 | 1125.8 | 1190.7 |
| 22.5° | 1201.3 | 1198.2 | 1169.6 | 1141.0 | 1101.8 | 1062.6 | 1039.9 | 1017.0 | 1010.9 | 1069.0 | 1147.2 |
| 25° | 1153.9 | 1143.5 | 1115.3 | 1087.2 | 1052.0 | 1016.7 | 990.5 | 964.1 | 947.4 | 1007.0 | 1098.6 |
| 27.5° | 1083.4 | 1071.6 | 1049.1 | 1026.5 | 997.6 | 968.6 | 943.3 | 917.9 | 897.5 | 951.8 | 1054.1 |
| 30° | 1012.6 | 1003.1 | 984.3 | 965.7 | 941.7 | 917.6 | 897.4 | 877.3 | 861.3 | 906.8 | 1017.0 |
| 32.5° | 950.4 | 939.8 | 921.8 | 903.8 | 884.7 | 865.5 | 853.5 | 841.6 | 834.6 | 871.2 | 984.9 |
| 35° | 892.1 | 879.3 | 861.6 | 843.8 | 829.2 | 814.6 | 811.3 | 808.0 | 811.0 | 841.5 | 953.5 |
| 37.5° | 837.6 | 821.9 | 804.2 | 786.5 | 776.0 | 765.5 | 769.2 | 772.7 | 783.5 | 810.3 | 916.4 |
| 40° | 785.2 | 767.1 | 750.0 | 732.9 | 725.3 | 717.7 | 725.9 | 734.1 | 750.7 | 774.9 | 872.2 |
| 42.5° | 735.7 | 716.3 | 700.0 | 683.8 | 677.5 | 671.4 | 682.2 | 693.1 | 714.0 | 736.4 | 823.4 |
| 45° | 692.6 | 672.4 | 657.0 | 641.6 | 636.3 | 631.2 | 641.8 | 652.3 | 672.5 | 695.2 | 771.5 |
| 47.5° | 658.0 | 638.1 | 623.0 | 607.9 | 603.1 | 598.2 | 607.1 | 615.9 | 633.3 | 662.6 | 730.5 |
| 50° | 629.8 | 611.9 | 597.7 | 583.4 | 575.8 | 568.2 | 576.0 | 583.9 | 604.1 | 642.5 | 703.3 |
| 52.5° | 610.1 | 593.5 | 580.5 | 567.3 | 556.0 | 544.5 | 552.3 | 560.1 | 588.2 | 632.4 | 685.3 |
| 55° | 597.9 | 583.3 | 569.3 | 555.2 | 539.0 | 522.8 | 535.0 | 547.3 | 589.8 | 630.9 | 672.3 |
| 57.5° | 586.2 | 571.8 | 555.3 | 538.8 | 521.3 | 503.9 | 521.8 | 539.8 | 591.4 | 627.6 | 656.9 |
| 60° | 569.3 | 554.6 | 535.7 | 516.7 | 501.4 | 486.1 | 509.3 | 532.6 | 586.4 | 610.4 | 633.3 |
| 62.5° | 545.4 | 529.7 | 507.7 | 485.5 | 475.8 | 466.1 | 495.2 | 524.3 | 574.2 | 577.1 | 592.3 |
| 65° | 514.6 | 499.6 | 475.9 | 452.2 | 448.5 | 444.7 | 475.7 | 506.7 | 544.7 | 544.4 | 551.6 |
| 67.5° | 479.4 | 465.1 | 443.3 | 421.5 | 422.6 | 423.8 | 449.6 | 475.3 | 496.7 | 497.6 | 493.7 |
| 70° | 441.4 | 429.2 | 409.9 | 390.7 | 394.8 | 398.9 | 417.2 | 435.5 | 442.5 | 442.5 | 423.9 |
| 72.5° | 395.4 | 384.4 | 369.3 | 354.1 | 360.1 | 366.1 | 378.6 | 391.1 | 391.1 | 386.6 | 360.2 |
| 75° | 342.6 | 332.5 | 321.3 | 310.1 | 315.8 | 321.5 | 331.3 | 340.9 | 342.6 | 322.2 | 292.4 |
| 77.5° | 290.3 | 281.7 | 272.5 | 263.4 | 269.2 | 275.0 | 282.7 | 290.5 | 291.4 | 257.6 | 228.9 |
| 80° | 232.7 | 225.5 | 217.9 | 210.2 | 215.1 | 220.1 | 226.5 | 233.0 | 233.2 | 192.8 | 168.5 |
| 82.5° | 154.4 | 156.9 | 157.5 | 158.2 | 161.6 | 165.0 | 168.2 | 171.4 | 169.5 | 135.1 | 117.1 |
| 85° | 84.8 | 91.7 | 95.1 | 98.3 | 102.2 | 106.1 | 109.5 | 112.9 | 110.4 | 84.8 | 71.6 |
| 87.5° | 40.1 | 45.4 | 45.5 | 45.7 | 46.4 | 47.2 | 48.5 | 49.8 | 46.6 | 36.0 | 30.6 |
| 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: P960781
 CATALOG NUMBER: NVN-SB1D-722-U-SLL

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 | 1181.0 |
| 2.5° | 1209.0 | 1219.4 | 1229.8 | 1240.1 | 1250.6 | 1260.3 | 1270.1 |
| 5° | 1236.5 | 1258.1 | 1279.7 | 1301.1 | 1322.6 | 1344.2 | 1365.7 |
| 7.5° | 1261.2 | 1293.1 | 1325.1 | 1357.9 | 1390.7 | 1426.2 | 1461.8 |
| 10° | 1281.2 | 1320.1 | 1358.8 | 1402.2 | 1445.6 | 1490.5 | 1535.3 |
| 12.5° | 1292.0 | 1337.8 | 1383.5 | 1432.6 | 1481.8 | 1531.1 | 1580.4 |
| 15° | 1293.0 | 1345.7 | 1398.4 | 1451.7 | 1505.0 | 1556.5 | 1607.9 |
| 17.5° | 1280.3 | 1341.5 | 1402.7 | 1460.8 | 1518.9 | 1571.1 | 1623.3 |
| 20° | 1255.7 | 1329.9 | 1404.0 | 1467.9 | 1531.9 | 1586.1 | 1640.3 |
| 22.5° | 1225.5 | 1315.7 | 1405.9 | 1477.5 | 1549.2 | 1604.6 | 1660.0 |
| 25° | 1190.2 | 1301.6 | 1413.1 | 1495.0 | 1576.9 | 1631.1 | 1685.4 |
| 27.5° | 1156.5 | 1292.2 | 1427.9 | 1522.1 | 1616.2 | 1668.1 | 1719.8 |
| 30° | 1127.2 | 1287.8 | 1448.4 | 1557.4 | 1666.2 | 1716.3 | 1766.3 |
| 32.5° | 1098.6 | 1282.4 | 1466.2 | 1594.1 | 1722.1 | 1771.6 | 1821.1 |
| 35° | 1065.4 | 1272.1 | 1479.1 | 1636.0 | 1792.8 | 1840.3 | 1887.7 |
| 37.5° | 1022.4 | 1254.6 | 1486.8 | 1682.8 | 1878.9 | 1939.4 | 1999.9 |
| 40° | 969.3 | 1230.5 | 1491.7 | 1742.4 | 1993.2 | 2081.3 | 2169.4 |
| 42.5° | 910.3 | 1205.5 | 1500.8 | 1820.3 | 2139.8 | 2267.0 | 2394.2 |
| 45° | 847.8 | 1182.4 | 1517.0 | 1922.8 | 2328.7 | 2500.2 | 2671.8 |
| 47.5° | 798.4 | 1163.3 | 1528.2 | 2032.1 | 2536.0 | 2777.4 | 3018.8 |
| 50° | 763.9 | 1142.5 | 1520.9 | 2133.4 | 2745.9 | 3110.0 | 3473.8 |
| 52.5° | 738.2 | 1107.2 | 1476.2 | 2199.2 | 2922.1 | 3459.2 | 3996.2 |
| 55° | 713.7 | 1048.9 | 1384.1 | 2184.7 | 2985.3 | 3768.7 | 4552.2 |
| 57.5° | 686.1 | 966.6 | 1246.9 | 2082.6 | 2918.4 | 3988.2 | 5058.0 |
| 60° | 656.3 | 859.7 | 1063.0 | 1892.7 | 2722.3 | 4043.0 | 5363.6 |
| 62.5° | 607.6 | 731.7 | 856.0 | 1635.9 | 2415.8 | 3812.1 | 5208.4 |
| 65° | 558.7 | 616.7 | 674.7 | 1373.9 | 2073.1 | 3485.4 | 4897.8 |
| 67.5° | 489.6 | 506.1 | 522.6 | 1117.1 | 1711.7 | 3096.6 | 4481.5 |
| 70° | 405.3 | 400.6 | 395.9 | 879.7 | 1363.4 | 2672.4 | 3981.4 |
| 72.5° | 333.7 | 319.5 | 305.3 | 672.5 | 1039.6 | 2212.6 | 3385.5 |
| 75° | 262.8 | 250.0 | 237.1 | 488.1 | 739.0 | 1685.3 | 2631.6 |
| 77.5° | 200.1 | 191.3 | 182.6 | 330.8 | 478.9 | 1179.6 | 1880.3 |
| 80° | 144.1 | 140.5 | 136.8 | 213.1 | 289.4 | 759.9 | 1230.6 |
| 82.5° | 99.1 | 98.4 | 97.8 | 131.1 | 164.4 | 439.8 | 715.3 |
| 85° | 58.4 | 58.8 | 59.1 | 70.1 | 81.1 | 197.8 | 314.8 |
| 87.5° | 25.3 | 25.6 | 25.9 | 29.0 | 32.2 | 64.8 | 97.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)