

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: P960814

Luminaire Tested: **NVN-SB1D-727-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P960814
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-727-U-SLR
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9643.2 lumens
Efficiency: N/A
Efficacy: 121.1 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

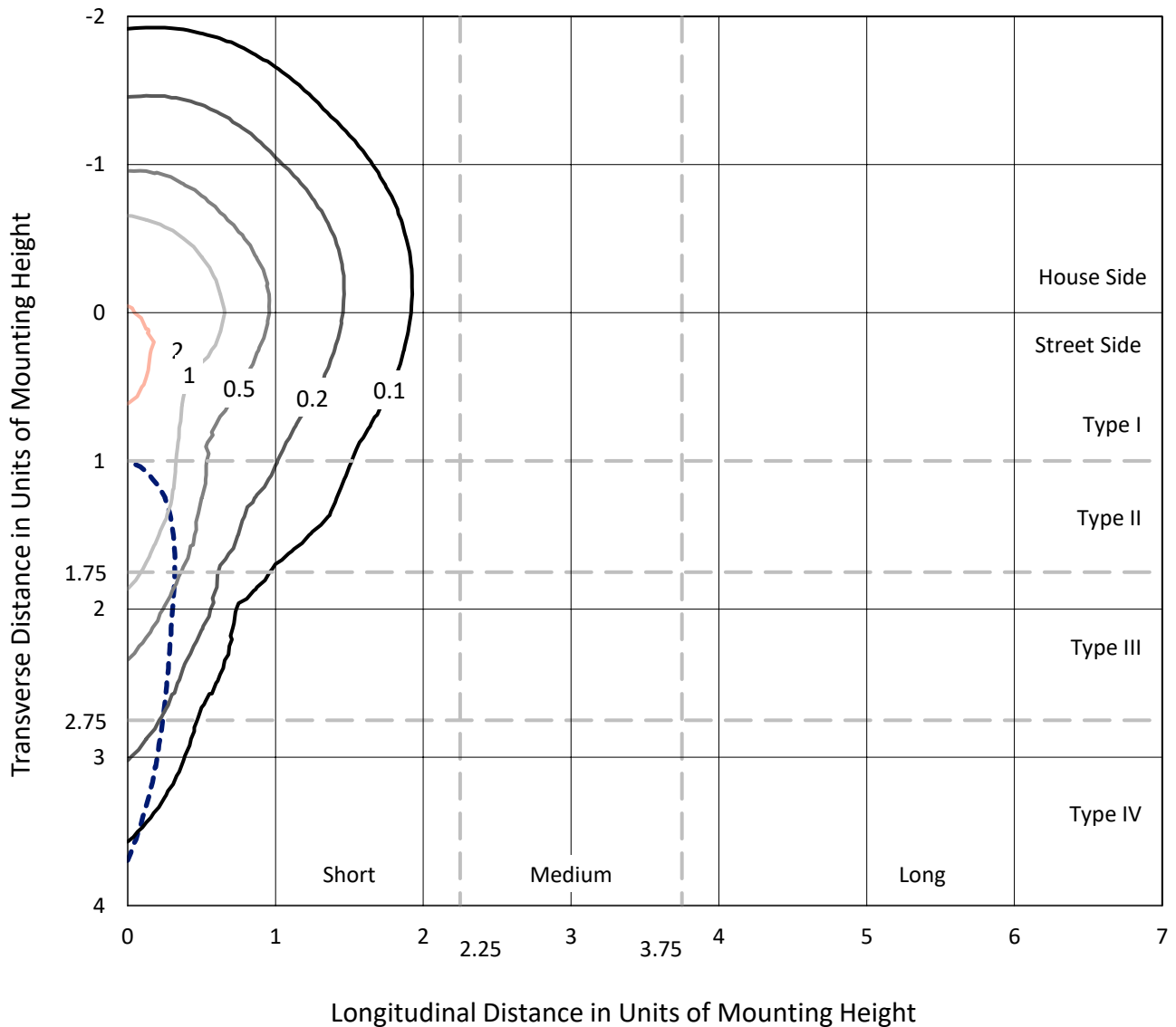
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

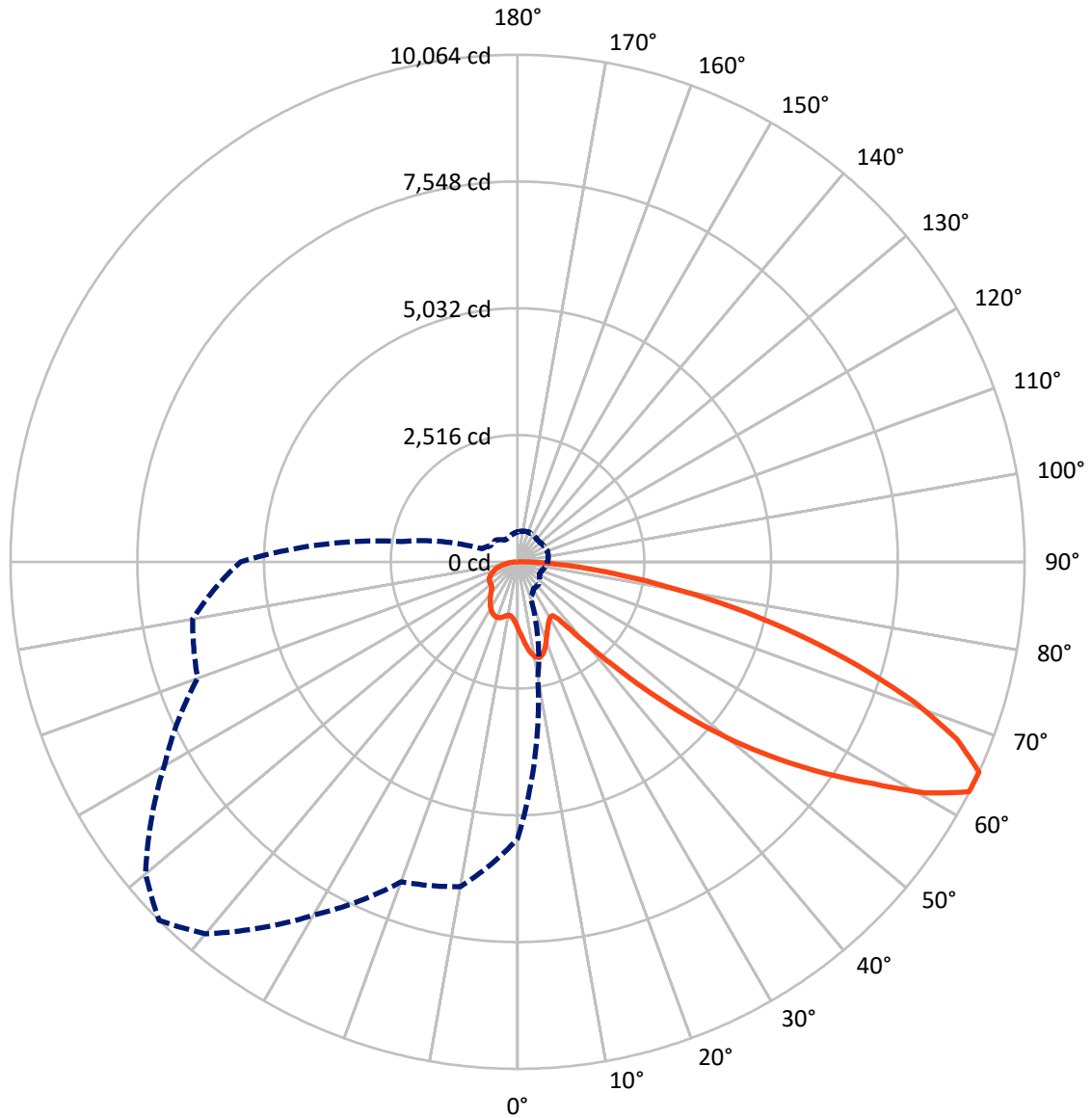
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type IV - Short - N/A

REPORT NUMBER: P960814
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Luminous Intensity Polar Plot



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

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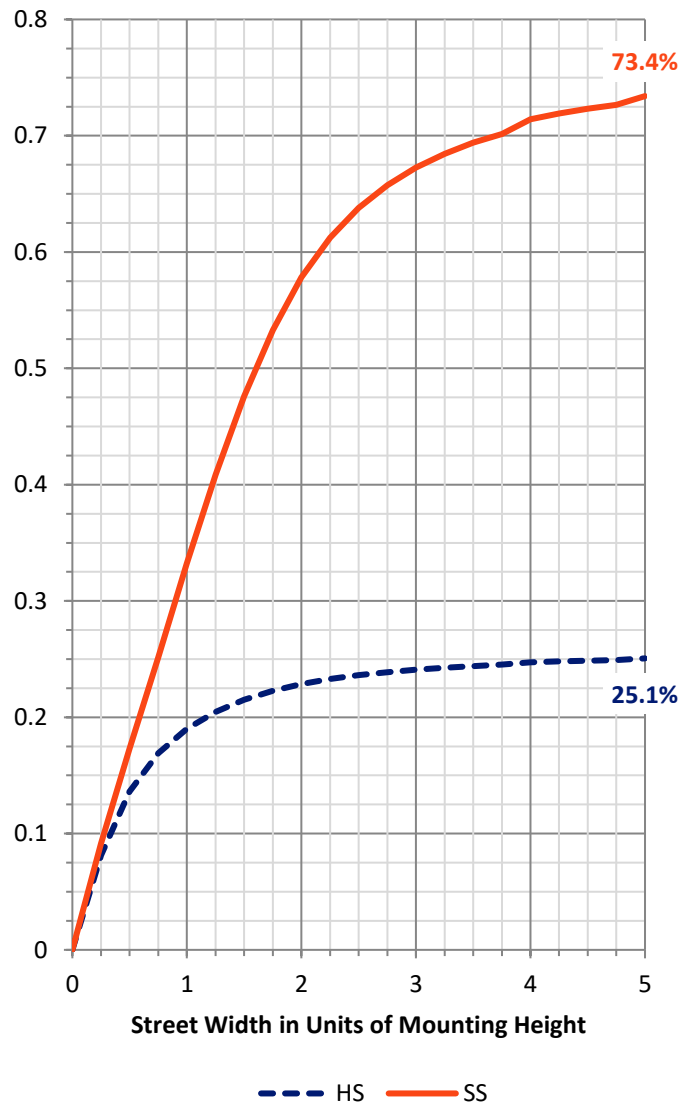
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2450.8 | 0.0 | 2450.8 |
| | % Fixture | 25.4 | 0.0 | 25.4 |
| Street Side | Lumens | 7192.4 | 0.0 | 7192.4 |
| | % Fixture | 74.6 | 0.0 | 74.6 |
| Total | Lumens | 9643.2 | 0.0 | 9643.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 131.5 | 1.4 |
| 10°-20° | 412.9 | 4.3 |
| 20°-30° | 637.8 | 6.6 |
| 30°-40° | 808.3 | 8.4 |
| 40°-50° | 1219.1 | 12.6 |
| 50°-60° | 1969.7 | 20.4 |
| 60°-70° | 2455.5 | 25.5 |
| 70°-80° | 1610.2 | 16.7 |
| 80°-90° | 398.1 | 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° | 9643.2 | 100.0 |
| 0°-180° | 9643.2 | 100.0 |

Coefficient of Utilization



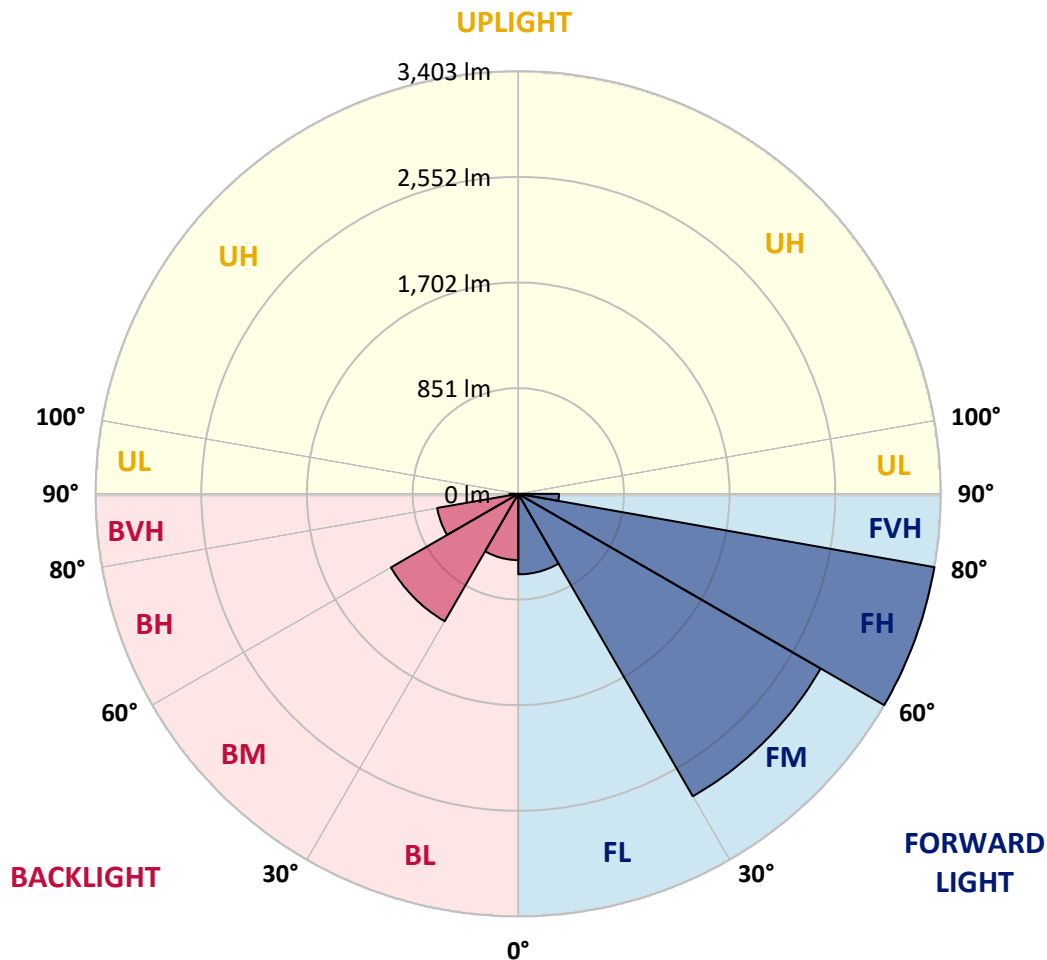
REPORT NUMBER: P960814
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 648.6 | 6.7 | | | |
| FM (30°-60°) | 2812.7 | 29.2 | | | |
| FH (60°-80°) | 3403.1 | 35.3 | | | G2/5000 |
| FVH (80°-90°) | 327.9 | 3.4 | | | G3/500 |
| BL (0°-30°) | 533.7 | 5.5 | B2/1000 | | |
| BM (30°-60°) | 1184.4 | 12.3 | B2/2500 | | |
| BH (60°-80°) | 662.6 | 6.9 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 70.1 | 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: P960814
 CATALOG NUMBER: NVN-SB1D-727-U-SLR

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 |
| 2.5° | 1426.0 | 1415.1 | 1404.1 | 1392.5 | 1380.9 | 1369.2 | 1357.5 | 1346.2 | 1335.1 | 1324.2 | 1312.2 |
| 5° | 1533.4 | 1509.2 | 1485.0 | 1460.9 | 1436.8 | 1412.6 | 1388.4 | 1365.7 | 1343.1 | 1321.7 | 1300.6 |
| 7.5° | 1641.2 | 1601.4 | 1561.5 | 1524.7 | 1487.8 | 1451.9 | 1416.0 | 1384.5 | 1352.9 | 1323.7 | 1296.4 |
| 10° | 1723.9 | 1673.5 | 1623.1 | 1574.4 | 1525.7 | 1482.1 | 1438.6 | 1401.3 | 1363.8 | 1327.8 | 1298.5 |
| 12.5° | 1774.6 | 1719.1 | 1663.8 | 1608.6 | 1553.5 | 1502.0 | 1450.7 | 1408.5 | 1366.1 | 1328.3 | 1301.0 |
| 15° | 1805.3 | 1747.6 | 1689.8 | 1630.0 | 1570.2 | 1511.0 | 1451.8 | 1402.8 | 1353.9 | 1312.0 | 1290.2 |
| 17.5° | 1822.7 | 1764.1 | 1705.5 | 1640.2 | 1574.9 | 1506.2 | 1437.6 | 1378.7 | 1319.8 | 1270.6 | 1257.1 |
| 20° | 1841.7 | 1780.8 | 1720.0 | 1648.2 | 1576.4 | 1493.2 | 1410.0 | 1337.0 | 1264.0 | 1206.7 | 1203.1 |
| 22.5° | 1863.9 | 1801.6 | 1739.4 | 1659.0 | 1578.5 | 1477.2 | 1376.0 | 1288.1 | 1200.3 | 1135.0 | 1142.0 |
| 25° | 1892.4 | 1831.4 | 1770.5 | 1678.5 | 1586.6 | 1461.4 | 1336.5 | 1233.5 | 1130.7 | 1063.7 | 1082.5 |
| 27.5° | 1931.0 | 1872.9 | 1814.8 | 1709.1 | 1603.3 | 1451.0 | 1298.6 | 1183.6 | 1068.7 | 1007.8 | 1030.6 |
| 30° | 1983.2 | 1927.0 | 1870.9 | 1748.6 | 1626.4 | 1446.0 | 1265.6 | 1141.8 | 1018.1 | 967.1 | 985.0 |
| 32.5° | 2044.8 | 1989.1 | 1933.6 | 1789.9 | 1646.2 | 1439.9 | 1233.5 | 1105.9 | 978.3 | 937.1 | 945.0 |
| 35° | 2119.6 | 2066.3 | 2013.1 | 1836.9 | 1660.7 | 1428.4 | 1196.2 | 1070.5 | 944.9 | 910.6 | 907.2 |
| 37.5° | 2245.5 | 2177.6 | 2109.8 | 1889.6 | 1669.4 | 1408.7 | 1148.0 | 1028.9 | 909.8 | 879.8 | 867.7 |
| 40° | 2435.8 | 2336.9 | 2238.0 | 1956.4 | 1674.8 | 1381.6 | 1088.4 | 979.3 | 870.1 | 842.9 | 824.3 |
| 42.5° | 2688.2 | 2545.4 | 2402.6 | 2043.8 | 1685.2 | 1353.6 | 1022.1 | 924.4 | 826.8 | 801.7 | 778.3 |
| 45° | 2999.9 | 2807.3 | 2614.7 | 2159.0 | 1703.3 | 1327.6 | 951.9 | 866.2 | 780.5 | 755.1 | 732.5 |
| 47.5° | 3389.6 | 3118.6 | 2847.4 | 2281.6 | 1715.7 | 1306.2 | 896.5 | 820.2 | 743.9 | 711.1 | 691.6 |
| 50° | 3900.4 | 3491.9 | 3083.1 | 2395.4 | 1707.6 | 1282.7 | 857.8 | 789.7 | 721.4 | 678.2 | 655.6 |
| 52.5° | 4486.9 | 3883.9 | 3280.9 | 2469.2 | 1657.5 | 1243.2 | 828.9 | 769.5 | 710.1 | 660.5 | 628.8 |
| 55° | 5111.3 | 4231.6 | 3352.0 | 2453.0 | 1554.0 | 1177.6 | 801.3 | 754.8 | 708.4 | 662.3 | 614.6 |
| 57.5° | 5679.1 | 4477.9 | 3276.8 | 2338.4 | 1400.0 | 1085.3 | 770.4 | 737.6 | 704.7 | 664.0 | 606.0 |
| 60° | 6022.3 | 4539.5 | 3056.7 | 2125.1 | 1193.6 | 965.2 | 736.9 | 711.1 | 685.3 | 658.5 | 598.0 |
| 62.5° | 5848.0 | 4280.3 | 2712.5 | 1836.8 | 961.0 | 821.6 | 682.2 | 665.1 | 648.0 | 644.7 | 588.7 |
| 65° | 5499.2 | 3913.4 | 2327.7 | 1542.6 | 757.6 | 692.5 | 627.4 | 619.3 | 611.2 | 611.6 | 568.9 |
| 67.5° | 5031.8 | 3476.9 | 1922.0 | 1254.4 | 586.8 | 568.4 | 549.8 | 554.3 | 558.8 | 557.7 | 533.6 |
| 70° | 4470.3 | 3000.6 | 1530.8 | 987.7 | 444.4 | 449.8 | 455.0 | 476.0 | 496.9 | 496.9 | 489.0 |
| 72.5° | 3801.2 | 2484.2 | 1167.3 | 755.0 | 342.9 | 358.7 | 374.7 | 404.5 | 434.1 | 439.1 | 439.2 |
| 75° | 2954.8 | 1892.4 | 829.8 | 548.0 | 266.2 | 280.6 | 295.1 | 328.4 | 361.7 | 384.7 | 382.7 |
| 77.5° | 2111.2 | 1324.4 | 537.7 | 371.4 | 205.0 | 214.7 | 224.7 | 257.0 | 289.3 | 327.2 | 326.2 |
| 80° | 1381.7 | 853.3 | 324.9 | 239.2 | 153.6 | 157.7 | 161.8 | 189.2 | 216.5 | 261.8 | 261.7 |
| 82.5° | 803.2 | 493.8 | 184.6 | 147.2 | 109.8 | 110.5 | 111.3 | 131.5 | 151.6 | 190.3 | 192.4 |
| 85° | 353.4 | 222.1 | 91.0 | 78.6 | 66.4 | 66.0 | 65.6 | 80.4 | 95.1 | 123.9 | 126.7 |
| 87.5° | 109.4 | 72.8 | 36.1 | 32.6 | 29.1 | 28.7 | 28.4 | 34.4 | 40.5 | 52.4 | 56.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 |
| 2.5° | 1302.4 | 1292.7 | 1283.9 | 1275.1 | 1267.4 | 1259.7 | 1252.0 | 1244.4 | 1238.4 | 1232.4 | 1227.5 |
| 5° | 1282.2 | 1263.7 | 1248.2 | 1232.8 | 1219.1 | 1205.5 | 1193.2 | 1180.8 | 1171.3 | 1161.6 | 1155.0 |
| 7.5° | 1271.9 | 1247.4 | 1227.0 | 1206.7 | 1189.5 | 1172.4 | 1157.2 | 1142.1 | 1130.8 | 1119.4 | 1111.5 |
| 10° | 1272.6 | 1246.7 | 1226.4 | 1206.0 | 1187.6 | 1169.0 | 1152.0 | 1135.0 | 1121.5 | 1107.8 | 1099.0 |
| 12.5° | 1279.8 | 1258.8 | 1245.2 | 1231.7 | 1217.2 | 1202.7 | 1185.1 | 1167.5 | 1150.3 | 1132.9 | 1121.5 |
| 15° | 1280.0 | 1270.0 | 1271.8 | 1273.6 | 1269.9 | 1266.1 | 1250.8 | 1235.4 | 1210.8 | 1186.2 | 1168.8 |
| 17.5° | 1260.8 | 1264.4 | 1286.7 | 1308.8 | 1320.6 | 1332.4 | 1320.0 | 1307.7 | 1275.1 | 1242.5 | 1216.8 |
| 20° | 1220.5 | 1237.8 | 1276.2 | 1314.9 | 1339.5 | 1364.2 | 1358.5 | 1352.7 | 1315.5 | 1278.2 | 1246.7 |
| 22.5° | 1167.5 | 1193.1 | 1237.1 | 1281.1 | 1313.2 | 1345.3 | 1348.8 | 1352.2 | 1316.6 | 1280.9 | 1248.7 |
| 25° | 1112.0 | 1141.5 | 1181.1 | 1220.7 | 1252.2 | 1283.9 | 1295.7 | 1307.5 | 1278.3 | 1249.1 | 1220.3 |
| 27.5° | 1059.1 | 1087.6 | 1120.1 | 1152.6 | 1177.9 | 1203.2 | 1216.5 | 1229.6 | 1208.8 | 1188.1 | 1165.7 |
| 30° | 1007.6 | 1030.3 | 1057.3 | 1084.2 | 1105.3 | 1126.3 | 1137.0 | 1147.7 | 1131.8 | 1116.0 | 1100.0 |
| 32.5° | 958.4 | 971.8 | 993.3 | 1014.9 | 1035.0 | 1055.2 | 1067.1 | 1079.0 | 1064.5 | 1049.8 | 1037.1 |
| 35° | 910.9 | 914.6 | 931.1 | 947.4 | 967.4 | 987.4 | 1001.6 | 1015.9 | 1005.5 | 995.2 | 983.4 |
| 37.5° | 863.6 | 859.6 | 871.4 | 883.0 | 903.0 | 922.9 | 940.5 | 958.2 | 953.4 | 948.5 | 937.8 |
| 40° | 815.1 | 805.9 | 814.4 | 822.9 | 842.1 | 861.3 | 881.6 | 901.9 | 903.1 | 904.2 | 895.0 |
| 42.5° | 766.1 | 753.9 | 760.8 | 767.7 | 786.0 | 804.2 | 826.0 | 848.0 | 853.8 | 859.7 | 851.9 |
| 45° | 720.6 | 708.7 | 714.5 | 720.4 | 737.7 | 755.0 | 777.7 | 800.4 | 808.8 | 817.2 | 810.2 |
| 47.5° | 681.6 | 671.7 | 677.1 | 682.6 | 699.6 | 716.5 | 738.8 | 761.3 | 770.9 | 780.5 | 775.6 |
| 50° | 646.8 | 638.0 | 646.6 | 655.1 | 671.1 | 687.1 | 707.0 | 727.1 | 739.5 | 751.9 | 751.6 |
| 52.5° | 620.0 | 611.4 | 624.2 | 637.0 | 651.7 | 666.4 | 685.0 | 703.8 | 718.4 | 733.1 | 735.7 |
| 55° | 600.8 | 586.9 | 605.2 | 623.4 | 639.2 | 655.0 | 671.4 | 687.7 | 703.3 | 718.8 | 722.5 |
| 57.5° | 585.9 | 565.7 | 585.4 | 605.0 | 623.5 | 642.1 | 658.3 | 674.4 | 690.1 | 705.8 | 709.6 |
| 60° | 571.8 | 545.7 | 562.9 | 580.2 | 601.5 | 622.7 | 639.2 | 655.6 | 671.4 | 687.2 | 691.3 |
| 62.5° | 556.0 | 523.4 | 534.2 | 545.2 | 570.0 | 594.8 | 612.3 | 630.0 | 644.4 | 658.9 | 662.8 |
| 65° | 534.1 | 499.4 | 503.7 | 507.8 | 534.3 | 561.0 | 577.8 | 594.6 | 607.3 | 620.0 | 624.0 |
| 67.5° | 504.8 | 475.9 | 474.6 | 473.2 | 497.7 | 522.3 | 538.2 | 554.1 | 565.1 | 576.2 | 580.0 |
| 70° | 468.4 | 447.9 | 443.3 | 438.7 | 460.3 | 481.9 | 495.6 | 509.3 | 519.3 | 529.2 | 533.0 |
| 72.5° | 425.2 | 411.0 | 404.4 | 397.7 | 414.6 | 431.6 | 444.0 | 456.4 | 466.2 | 475.9 | 480.3 |
| 75° | 371.9 | 361.0 | 354.6 | 348.2 | 360.8 | 373.4 | 384.6 | 395.9 | 404.8 | 413.6 | 418.3 |
| 77.5° | 317.4 | 308.7 | 302.3 | 295.7 | 306.0 | 316.2 | 326.0 | 335.6 | 344.9 | 354.1 | 358.5 |
| 80° | 254.4 | 247.0 | 241.6 | 236.1 | 244.7 | 253.2 | 261.3 | 269.5 | 276.5 | 283.5 | 289.4 |
| 82.5° | 188.9 | 185.3 | 181.4 | 177.6 | 176.9 | 176.2 | 173.3 | 170.5 | 185.5 | 200.6 | 210.4 |
| 85° | 122.9 | 119.1 | 114.7 | 110.4 | 106.7 | 103.0 | 95.1 | 87.2 | 101.4 | 115.5 | 127.7 |
| 87.5° | 54.4 | 52.9 | 52.1 | 51.2 | 51.1 | 50.9 | 45.0 | 38.9 | 44.8 | 50.7 | 55.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 |
| 2.5° | 1222.7 | 1218.9 | 1215.2 | 1211.8 | 1208.3 | 1203.9 | 1208.3 | 1211.8 | 1215.2 | 1218.9 | 1222.7 |
| 5° | 1148.3 | 1143.6 | 1138.9 | 1135.3 | 1131.6 | 1128.1 | 1131.6 | 1135.3 | 1138.9 | 1143.6 | 1148.3 |
| 7.5° | 1103.5 | 1098.1 | 1092.8 | 1089.5 | 1086.3 | 1083.8 | 1086.3 | 1089.5 | 1092.8 | 1098.1 | 1103.5 |
| 10° | 1090.0 | 1084.9 | 1079.7 | 1077.0 | 1074.3 | 1073.2 | 1074.3 | 1077.0 | 1079.7 | 1084.9 | 1090.0 |
| 12.5° | 1110.0 | 1104.2 | 1098.6 | 1096.2 | 1093.9 | 1093.5 | 1093.9 | 1096.2 | 1098.6 | 1104.2 | 1110.0 |
| 15° | 1151.4 | 1143.4 | 1135.5 | 1132.4 | 1129.3 | 1129.1 | 1129.3 | 1132.4 | 1135.5 | 1143.4 | 1151.4 |
| 17.5° | 1191.2 | 1179.4 | 1167.5 | 1163.7 | 1159.7 | 1159.2 | 1159.7 | 1163.7 | 1167.5 | 1179.4 | 1191.2 |
| 20° | 1215.3 | 1200.3 | 1185.1 | 1180.3 | 1175.4 | 1173.9 | 1175.4 | 1180.3 | 1185.1 | 1200.3 | 1215.3 |
| 22.5° | 1216.3 | 1200.3 | 1184.3 | 1179.0 | 1173.6 | 1171.4 | 1173.6 | 1179.0 | 1184.3 | 1200.3 | 1216.3 |
| 25° | 1191.6 | 1177.7 | 1164.0 | 1159.0 | 1153.9 | 1151.0 | 1153.9 | 1159.0 | 1164.0 | 1177.7 | 1191.6 |
| 27.5° | 1143.4 | 1134.1 | 1124.7 | 1122.5 | 1120.2 | 1119.4 | 1120.2 | 1122.5 | 1124.7 | 1134.1 | 1143.4 |
| 30° | 1083.9 | 1079.2 | 1074.4 | 1074.4 | 1074.4 | 1075.1 | 1074.4 | 1074.4 | 1074.4 | 1079.2 | 1083.9 |
| 32.5° | 1024.3 | 1021.2 | 1018.0 | 1018.4 | 1019.0 | 1019.7 | 1019.0 | 1018.4 | 1018.0 | 1021.2 | 1024.3 |
| 35° | 971.6 | 966.9 | 962.2 | 961.1 | 960.2 | 959.7 | 960.2 | 961.1 | 962.2 | 966.9 | 971.6 |
| 37.5° | 926.8 | 918.2 | 909.7 | 905.2 | 900.7 | 898.1 | 900.7 | 905.2 | 909.7 | 918.2 | 926.8 |
| 40° | 885.8 | 873.3 | 860.9 | 852.4 | 844.1 | 839.1 | 844.1 | 852.4 | 860.9 | 873.3 | 885.8 |
| 42.5° | 844.2 | 828.6 | 813.1 | 800.8 | 788.6 | 780.5 | 788.6 | 800.8 | 813.1 | 828.6 | 844.2 |
| 45° | 803.2 | 785.5 | 767.7 | 753.4 | 738.9 | 729.7 | 738.9 | 753.4 | 767.7 | 785.5 | 803.2 |
| 47.5° | 770.8 | 755.0 | 739.2 | 725.9 | 712.6 | 703.8 | 712.6 | 725.9 | 739.2 | 755.0 | 770.8 |
| 50° | 751.4 | 738.8 | 726.2 | 713.9 | 701.6 | 693.0 | 701.6 | 713.9 | 726.2 | 738.8 | 751.4 |
| 52.5° | 738.4 | 728.2 | 717.9 | 706.8 | 695.9 | 688.0 | 695.9 | 706.8 | 717.9 | 728.2 | 738.4 |
| 55° | 726.2 | 717.3 | 708.3 | 698.6 | 689.0 | 681.8 | 689.0 | 698.6 | 708.3 | 717.3 | 726.2 |
| 57.5° | 713.3 | 704.3 | 695.2 | 685.6 | 676.0 | 668.6 | 676.0 | 685.6 | 695.2 | 704.3 | 713.3 |
| 60° | 695.4 | 686.4 | 677.6 | 667.8 | 657.9 | 650.3 | 657.9 | 667.8 | 677.6 | 686.4 | 695.4 |
| 62.5° | 666.7 | 658.7 | 650.7 | 640.3 | 630.0 | 620.7 | 630.0 | 640.3 | 650.7 | 658.7 | 666.7 |
| 65° | 628.0 | 620.3 | 612.6 | 602.6 | 592.6 | 584.7 | 592.6 | 602.6 | 612.6 | 620.3 | 628.0 |
| 67.5° | 583.8 | 576.8 | 569.8 | 560.5 | 551.0 | 544.0 | 551.0 | 560.5 | 569.8 | 576.8 | 583.8 |
| 70° | 536.7 | 530.9 | 525.2 | 516.3 | 507.3 | 499.2 | 507.3 | 516.3 | 525.2 | 530.9 | 536.7 |
| 72.5° | 484.8 | 480.0 | 475.3 | 466.7 | 458.2 | 450.3 | 458.2 | 466.7 | 475.3 | 480.0 | 484.8 |
| 75° | 422.9 | 420.6 | 418.3 | 411.1 | 404.0 | 396.4 | 404.0 | 411.1 | 418.3 | 420.6 | 422.9 |
| 77.5° | 362.8 | 359.7 | 356.3 | 349.0 | 341.8 | 335.8 | 341.8 | 349.0 | 356.3 | 359.7 | 362.8 |
| 80° | 295.1 | 293.7 | 292.3 | 282.6 | 272.9 | 261.6 | 272.9 | 282.6 | 292.3 | 293.7 | 295.1 |
| 82.5° | 220.4 | 219.8 | 219.0 | 210.8 | 202.6 | 195.4 | 202.6 | 210.8 | 219.0 | 219.8 | 220.4 |
| 85° | 139.9 | 138.9 | 137.9 | 131.5 | 125.0 | 118.6 | 125.0 | 131.5 | 137.9 | 138.9 | 139.9 |
| 87.5° | 60.7 | 59.4 | 58.1 | 54.8 | 51.5 | 48.4 | 51.5 | 54.8 | 58.1 | 59.4 | 60.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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 CATALOG NUMBER: NVN-SB1D-727-U-SLR

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 |
| 2.5° | 1227.5 | 1232.4 | 1238.4 | 1244.4 | 1252.0 | 1259.7 | 1267.4 | 1275.1 | 1283.9 | 1292.7 | 1302.4 |
| 5° | 1155.0 | 1161.6 | 1171.3 | 1180.8 | 1193.2 | 1205.5 | 1219.1 | 1232.8 | 1248.2 | 1263.7 | 1282.2 |
| 7.5° | 1111.5 | 1119.4 | 1130.8 | 1142.1 | 1157.2 | 1172.4 | 1189.5 | 1206.7 | 1227.0 | 1247.4 | 1271.9 |
| 10° | 1099.0 | 1107.8 | 1121.5 | 1135.0 | 1152.0 | 1169.0 | 1187.6 | 1206.0 | 1226.4 | 1246.7 | 1272.6 |
| 12.5° | 1121.5 | 1132.9 | 1150.3 | 1167.5 | 1185.1 | 1202.7 | 1217.2 | 1231.7 | 1245.2 | 1258.8 | 1279.8 |
| 15° | 1168.8 | 1186.2 | 1210.8 | 1235.4 | 1250.8 | 1266.1 | 1269.9 | 1273.6 | 1271.8 | 1270.0 | 1280.0 |
| 17.5° | 1216.8 | 1242.5 | 1275.1 | 1307.7 | 1320.0 | 1332.4 | 1320.6 | 1308.8 | 1286.7 | 1264.4 | 1260.8 |
| 20° | 1246.7 | 1278.2 | 1315.5 | 1352.7 | 1358.5 | 1364.2 | 1339.5 | 1314.9 | 1276.2 | 1237.8 | 1220.5 |
| 22.5° | 1248.7 | 1280.9 | 1316.6 | 1352.2 | 1348.8 | 1345.3 | 1313.2 | 1281.1 | 1237.1 | 1193.1 | 1167.5 |
| 25° | 1220.3 | 1249.1 | 1278.3 | 1307.5 | 1295.7 | 1283.9 | 1252.2 | 1220.7 | 1181.1 | 1141.5 | 1112.0 |
| 27.5° | 1165.7 | 1188.1 | 1208.8 | 1229.6 | 1216.5 | 1203.2 | 1177.9 | 1152.6 | 1120.1 | 1087.6 | 1059.1 |
| 30° | 1100.0 | 1116.0 | 1131.8 | 1147.7 | 1137.0 | 1126.3 | 1105.3 | 1084.2 | 1057.3 | 1030.3 | 1007.6 |
| 32.5° | 1037.1 | 1049.8 | 1064.5 | 1079.0 | 1067.1 | 1055.2 | 1035.0 | 1014.9 | 993.3 | 971.8 | 958.4 |
| 35° | 983.4 | 995.2 | 1005.5 | 1015.9 | 1001.6 | 987.4 | 967.4 | 947.4 | 931.1 | 914.6 | 910.9 |
| 37.5° | 937.8 | 948.5 | 953.4 | 958.2 | 940.5 | 922.9 | 903.0 | 883.0 | 871.4 | 859.6 | 863.6 |
| 40° | 895.0 | 904.2 | 903.1 | 901.9 | 881.6 | 861.3 | 842.1 | 822.9 | 814.4 | 805.9 | 815.1 |
| 42.5° | 851.9 | 859.7 | 853.8 | 848.0 | 826.0 | 804.2 | 786.0 | 767.7 | 760.8 | 753.9 | 766.1 |
| 45° | 810.2 | 817.2 | 808.8 | 800.4 | 777.7 | 755.0 | 737.7 | 720.4 | 714.5 | 708.7 | 720.6 |
| 47.5° | 775.6 | 780.5 | 770.9 | 761.3 | 738.8 | 716.5 | 699.6 | 682.6 | 677.1 | 671.7 | 681.6 |
| 50° | 751.6 | 751.9 | 739.5 | 727.1 | 707.0 | 687.1 | 671.1 | 655.1 | 646.6 | 638.0 | 646.8 |
| 52.5° | 735.7 | 733.1 | 718.4 | 703.8 | 685.0 | 666.4 | 651.7 | 637.0 | 624.2 | 611.4 | 620.0 |
| 55° | 722.5 | 718.8 | 703.3 | 687.7 | 671.4 | 655.0 | 639.2 | 623.4 | 605.2 | 586.9 | 600.8 |
| 57.5° | 709.6 | 705.8 | 690.1 | 674.4 | 658.3 | 642.1 | 623.5 | 605.0 | 585.4 | 565.7 | 585.9 |
| 60° | 691.3 | 687.2 | 671.4 | 655.6 | 639.2 | 622.7 | 601.5 | 580.2 | 562.9 | 545.7 | 571.8 |
| 62.5° | 662.8 | 658.9 | 644.4 | 630.0 | 612.3 | 594.8 | 570.0 | 545.2 | 534.2 | 523.4 | 556.0 |
| 65° | 624.0 | 620.0 | 607.3 | 594.6 | 577.8 | 561.0 | 534.3 | 507.8 | 503.7 | 499.4 | 534.1 |
| 67.5° | 580.0 | 576.2 | 565.1 | 554.1 | 538.2 | 522.3 | 497.7 | 473.2 | 474.6 | 475.9 | 504.8 |
| 70° | 533.0 | 529.2 | 519.3 | 509.3 | 495.6 | 481.9 | 460.3 | 438.7 | 443.3 | 447.9 | 468.4 |
| 72.5° | 480.3 | 475.9 | 466.2 | 456.4 | 444.0 | 431.6 | 414.6 | 397.7 | 404.4 | 411.0 | 425.2 |
| 75° | 418.3 | 413.6 | 404.8 | 395.9 | 384.6 | 373.4 | 360.8 | 348.2 | 354.6 | 361.0 | 371.9 |
| 77.5° | 358.5 | 354.1 | 344.9 | 335.6 | 326.0 | 316.2 | 306.0 | 295.7 | 302.3 | 308.7 | 317.4 |
| 80° | 289.4 | 283.5 | 276.5 | 269.5 | 261.3 | 253.2 | 244.7 | 236.1 | 241.6 | 247.0 | 254.4 |
| 82.5° | 210.4 | 200.6 | 185.5 | 170.5 | 173.3 | 176.2 | 176.9 | 177.6 | 181.4 | 185.3 | 188.9 |
| 85° | 127.7 | 115.5 | 101.4 | 87.2 | 95.1 | 103.0 | 106.7 | 110.4 | 114.7 | 119.1 | 122.9 |
| 87.5° | 55.8 | 50.7 | 44.8 | 38.9 | 45.0 | 50.9 | 51.1 | 51.2 | 52.1 | 52.9 | 54.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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 CATALOG NUMBER: NVN-SB1D-727-U-SLR

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 |
| 2.5° | 1312.2 | 1324.2 | 1335.1 | 1346.2 | 1357.5 | 1369.2 | 1380.9 | 1392.5 | 1404.1 | 1415.1 | 1426.0 |
| 5° | 1300.6 | 1321.7 | 1343.1 | 1365.7 | 1388.4 | 1412.6 | 1436.8 | 1460.9 | 1485.0 | 1509.2 | 1533.4 |
| 7.5° | 1296.4 | 1323.7 | 1352.9 | 1384.5 | 1416.0 | 1451.9 | 1487.8 | 1524.7 | 1561.5 | 1601.4 | 1641.2 |
| 10° | 1298.5 | 1327.8 | 1363.8 | 1401.3 | 1438.6 | 1482.1 | 1525.7 | 1574.4 | 1623.1 | 1673.5 | 1723.9 |
| 12.5° | 1301.0 | 1328.3 | 1366.1 | 1408.5 | 1450.7 | 1502.0 | 1553.5 | 1608.6 | 1663.8 | 1719.1 | 1774.6 |
| 15° | 1290.2 | 1312.0 | 1353.9 | 1402.8 | 1451.8 | 1511.0 | 1570.2 | 1630.0 | 1689.8 | 1747.6 | 1805.3 |
| 17.5° | 1257.1 | 1270.6 | 1319.8 | 1378.7 | 1437.6 | 1506.2 | 1574.9 | 1640.2 | 1705.5 | 1764.1 | 1822.7 |
| 20° | 1203.1 | 1206.7 | 1264.0 | 1337.0 | 1410.0 | 1493.2 | 1576.4 | 1648.2 | 1720.0 | 1780.8 | 1841.7 |
| 22.5° | 1142.0 | 1135.0 | 1200.3 | 1288.1 | 1376.0 | 1477.2 | 1578.5 | 1659.0 | 1739.4 | 1801.6 | 1863.9 |
| 25° | 1082.5 | 1063.7 | 1130.7 | 1233.5 | 1336.5 | 1461.4 | 1586.6 | 1678.5 | 1770.5 | 1831.4 | 1892.4 |
| 27.5° | 1030.6 | 1007.8 | 1068.7 | 1183.6 | 1298.6 | 1451.0 | 1603.3 | 1709.1 | 1814.8 | 1872.9 | 1931.0 |
| 30° | 985.0 | 967.1 | 1018.1 | 1141.8 | 1265.6 | 1446.0 | 1626.4 | 1748.6 | 1870.9 | 1927.0 | 1983.2 |
| 32.5° | 945.0 | 937.1 | 978.3 | 1105.9 | 1233.5 | 1439.9 | 1646.2 | 1789.9 | 1933.6 | 1989.1 | 2044.8 |
| 35° | 907.2 | 910.6 | 944.9 | 1070.5 | 1196.2 | 1428.4 | 1660.7 | 1836.9 | 2013.1 | 2066.3 | 2119.6 |
| 37.5° | 867.7 | 879.8 | 909.8 | 1028.9 | 1148.0 | 1408.7 | 1669.4 | 1889.6 | 2109.8 | 2177.6 | 2245.5 |
| 40° | 824.3 | 842.9 | 870.1 | 979.3 | 1088.4 | 1381.6 | 1674.8 | 1956.4 | 2238.0 | 2336.9 | 2435.8 |
| 42.5° | 778.3 | 801.7 | 826.8 | 924.4 | 1022.1 | 1353.6 | 1685.2 | 2043.8 | 2402.6 | 2545.4 | 2688.2 |
| 45° | 732.5 | 755.1 | 780.5 | 866.2 | 951.9 | 1327.6 | 1703.3 | 2159.0 | 2614.7 | 2807.3 | 2999.9 |
| 47.5° | 691.6 | 711.1 | 743.9 | 820.2 | 896.5 | 1306.2 | 1715.7 | 2281.6 | 2847.4 | 3118.6 | 3389.6 |
| 50° | 655.6 | 678.2 | 721.4 | 789.7 | 857.8 | 1282.7 | 1707.6 | 2395.4 | 3083.1 | 3491.9 | 3900.4 |
| 52.5° | 628.8 | 660.5 | 710.1 | 769.5 | 828.9 | 1243.2 | 1657.5 | 2469.2 | 3280.9 | 3883.9 | 4486.9 |
| 55° | 614.6 | 662.3 | 708.4 | 754.8 | 801.3 | 1177.6 | 1554.0 | 2453.0 | 3352.0 | 4231.6 | 5111.3 |
| 57.5° | 606.0 | 664.0 | 704.7 | 737.6 | 770.4 | 1085.3 | 1400.0 | 2338.4 | 3276.8 | 4477.9 | 5679.1 |
| 60° | 598.0 | 658.5 | 685.3 | 711.1 | 736.9 | 965.2 | 1193.6 | 2125.1 | 3056.7 | 4539.5 | 6022.3 |
| 62.5° | 588.7 | 644.7 | 648.0 | 665.1 | 682.2 | 821.6 | 961.0 | 1836.8 | 2712.5 | 4280.3 | 5848.0 |
| 65° | 568.9 | 611.6 | 611.2 | 619.3 | 627.4 | 692.5 | 757.6 | 1542.6 | 2327.7 | 3913.4 | 5499.2 |
| 67.5° | 533.6 | 557.7 | 558.8 | 554.3 | 549.8 | 568.4 | 586.8 | 1254.4 | 1922.0 | 3476.9 | 5031.8 |
| 70° | 489.0 | 496.9 | 496.9 | 476.0 | 455.0 | 449.8 | 444.4 | 987.7 | 1530.8 | 3000.6 | 4470.3 |
| 72.5° | 439.2 | 439.1 | 434.1 | 404.5 | 374.7 | 358.7 | 342.9 | 755.0 | 1167.3 | 2484.2 | 3801.2 |
| 75° | 382.7 | 384.7 | 361.7 | 328.4 | 295.1 | 280.6 | 266.2 | 548.0 | 829.8 | 1892.4 | 2954.8 |
| 77.5° | 326.2 | 327.2 | 289.3 | 257.0 | 224.7 | 214.7 | 205.0 | 371.4 | 537.7 | 1324.4 | 2111.2 |
| 80° | 261.7 | 261.8 | 216.5 | 189.2 | 161.8 | 157.7 | 153.6 | 239.2 | 324.9 | 853.3 | 1381.7 |
| 82.5° | 192.4 | 190.3 | 151.6 | 131.5 | 111.3 | 110.5 | 109.8 | 147.2 | 184.6 | 493.8 | 803.2 |
| 85° | 126.7 | 123.9 | 95.1 | 80.4 | 65.6 | 66.0 | 66.4 | 78.6 | 91.0 | 222.1 | 353.4 |
| 87.5° | 56.0 | 52.4 | 40.5 | 34.4 | 28.4 | 28.7 | 29.1 | 32.6 | 36.1 | 72.8 | 109.4 |
| 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: P960814
 CATALOG NUMBER: NVN-SB1D-727-U-SLR

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--------|
| 0° | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 |
| 2.5° | 1431.4 | 1436.8 | 1444.5 | 1452.2 | 1456.8 | 1461.3 | 1463.7 | 1466.0 | 1464.9 | 1466.0 | 1463.7 |
| 5° | 1552.3 | 1571.2 | 1589.9 | 1608.6 | 1618.9 | 1629.0 | 1635.2 | 1641.4 | 1646.0 | 1641.4 | 1635.2 |
| 7.5° | 1672.0 | 1702.6 | 1730.3 | 1757.9 | 1774.6 | 1791.2 | 1800.2 | 1809.1 | 1813.5 | 1809.1 | 1800.2 |
| 10° | 1760.2 | 1796.6 | 1829.0 | 1861.4 | 1881.1 | 1900.6 | 1909.4 | 1918.1 | 1921.4 | 1918.1 | 1909.4 |
| 12.5° | 1813.9 | 1853.3 | 1882.6 | 1911.8 | 1926.1 | 1940.3 | 1945.0 | 1949.9 | 1950.4 | 1949.9 | 1945.0 |
| 15° | 1839.4 | 1873.3 | 1891.6 | 1910.1 | 1910.6 | 1911.1 | 1906.0 | 1900.9 | 1894.9 | 1900.9 | 1906.0 |
| 17.5° | 1845.6 | 1868.6 | 1868.9 | 1869.2 | 1848.6 | 1828.0 | 1809.1 | 1790.2 | 1776.8 | 1790.2 | 1809.1 |
| 20° | 1849.7 | 1857.7 | 1833.6 | 1809.4 | 1763.9 | 1718.4 | 1685.3 | 1652.2 | 1631.8 | 1652.2 | 1685.3 |
| 22.5° | 1853.4 | 1842.8 | 1792.8 | 1742.8 | 1675.9 | 1608.9 | 1567.5 | 1526.1 | 1503.6 | 1526.1 | 1567.5 |
| 25° | 1859.2 | 1826.2 | 1750.2 | 1674.1 | 1593.0 | 1511.7 | 1468.1 | 1424.6 | 1403.3 | 1424.6 | 1468.1 |
| 27.5° | 1871.9 | 1812.7 | 1712.1 | 1611.4 | 1521.3 | 1431.2 | 1388.4 | 1345.6 | 1325.5 | 1345.6 | 1388.4 |
| 30° | 1895.0 | 1806.9 | 1682.9 | 1558.9 | 1465.1 | 1371.3 | 1331.6 | 1291.8 | 1273.2 | 1291.8 | 1331.6 |
| 32.5° | 1924.0 | 1803.3 | 1663.1 | 1522.8 | 1434.7 | 1346.4 | 1315.3 | 1284.0 | 1270.6 | 1284.0 | 1315.3 |
| 35° | 1971.8 | 1824.1 | 1677.9 | 1531.9 | 1470.6 | 1409.4 | 1402.1 | 1394.8 | 1393.7 | 1394.8 | 1402.1 |
| 37.5° | 2071.6 | 1897.9 | 1765.0 | 1632.2 | 1628.3 | 1624.3 | 1657.6 | 1690.8 | 1708.2 | 1690.8 | 1657.6 |
| 40° | 2246.8 | 2057.7 | 1959.0 | 1860.2 | 1929.9 | 1999.6 | 2080.5 | 2161.4 | 2201.7 | 2161.4 | 2080.5 |
| 42.5° | 2500.6 | 2313.0 | 2256.1 | 2199.2 | 2351.4 | 2503.4 | 2650.5 | 2797.6 | 2884.0 | 2797.6 | 2650.5 |
| 45° | 2831.4 | 2662.8 | 2637.7 | 2612.6 | 2856.2 | 3099.8 | 3341.6 | 3583.5 | 3730.3 | 3583.5 | 3341.6 |
| 47.5° | 3225.7 | 3061.8 | 3056.7 | 3051.6 | 3403.0 | 3754.3 | 4108.3 | 4462.2 | 4670.1 | 4462.2 | 4108.3 |
| 50° | 3698.0 | 3495.6 | 3496.5 | 3497.3 | 3950.1 | 4403.1 | 4870.3 | 5337.6 | 5620.1 | 5337.6 | 4870.3 |
| 52.5° | 4241.8 | 3996.7 | 3971.9 | 3947.1 | 4488.0 | 5029.0 | 5607.1 | 6185.2 | 6523.8 | 6185.2 | 5607.1 |
| 55° | 4869.1 | 4626.8 | 4530.2 | 4433.5 | 5035.6 | 5637.6 | 6326.8 | 7016.0 | 7418.8 | 7016.0 | 6326.8 |
| 57.5° | 5547.2 | 5415.3 | 5221.5 | 5027.7 | 5635.6 | 6243.5 | 7024.1 | 7804.8 | 8304.1 | 7804.8 | 7024.1 |
| 60° | 6227.2 | 6432.1 | 6191.4 | 5950.7 | 6526.0 | 7101.3 | 7937.1 | 8772.9 | 9312.7 | 8772.9 | 7937.1 |
| 62.5° | 6407.8 | 6967.5 | 6940.5 | 6913.3 | 7440.3 | 7967.3 | 8762.5 | 9557.7 | 10056.6 | 9557.7 | 8762.5 |
| 65° | 6024.6 | 6550.0 | 6653.9 | 6757.8 | 7427.6 | 8097.3 | 8868.4 | 9639.5 | 10064.3 | 9639.5 | 8868.4 |
| 67.5° | 5531.5 | 6031.2 | 6080.0 | 6128.7 | 6826.5 | 7524.2 | 8298.6 | 9073.0 | 9405.8 | 9073.0 | 8298.6 |
| 70° | 5013.9 | 5557.3 | 5579.2 | 5601.0 | 6225.0 | 6849.0 | 7515.4 | 8181.9 | 8366.8 | 8181.9 | 7515.4 |
| 72.5° | 4424.9 | 5048.6 | 5064.3 | 5079.9 | 5568.2 | 6056.4 | 6555.5 | 7054.6 | 7073.3 | 7054.6 | 6555.5 |
| 75° | 3600.3 | 4245.9 | 4303.8 | 4361.7 | 4741.5 | 5121.4 | 5472.8 | 5824.2 | 5730.0 | 5824.2 | 5472.8 |
| 77.5° | 2713.7 | 3316.3 | 3399.3 | 3482.2 | 3771.0 | 4059.7 | 4308.9 | 4558.2 | 4396.3 | 4558.2 | 4308.9 |
| 80° | 1888.7 | 2395.6 | 2498.6 | 2601.8 | 2819.9 | 3037.9 | 3168.7 | 3299.6 | 3039.2 | 3299.6 | 3168.7 |
| 82.5° | 1149.7 | 1496.4 | 1611.5 | 1726.7 | 1876.9 | 2026.9 | 2081.6 | 2136.1 | 1931.5 | 2136.1 | 2081.6 |
| 85° | 537.3 | 721.3 | 819.2 | 917.2 | 1040.5 | 1163.8 | 1194.8 | 1225.8 | 1061.9 | 1225.8 | 1194.8 |
| 87.5° | 171.2 | 233.1 | 287.7 | 342.3 | 404.1 | 465.7 | 468.3 | 470.9 | 395.3 | 470.9 | 468.3 |
| 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: P960814
 CATALOG NUMBER: NVN-SB1D-727-U-SLR

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 | 1326.0 |
| 2.5° | 1461.3 | 1456.8 | 1452.2 | 1444.5 | 1436.8 | 1431.4 | 1426.0 |
| 5° | 1629.0 | 1618.9 | 1608.6 | 1589.9 | 1571.2 | 1552.3 | 1533.4 |
| 7.5° | 1791.2 | 1774.6 | 1757.9 | 1730.3 | 1702.6 | 1672.0 | 1641.2 |
| 10° | 1900.6 | 1881.1 | 1861.4 | 1829.0 | 1796.6 | 1760.2 | 1723.9 |
| 12.5° | 1940.3 | 1926.1 | 1911.8 | 1882.6 | 1853.3 | 1813.9 | 1774.6 |
| 15° | 1911.1 | 1910.6 | 1910.1 | 1891.6 | 1873.3 | 1839.4 | 1805.3 |
| 17.5° | 1828.0 | 1848.6 | 1869.2 | 1868.9 | 1868.6 | 1845.6 | 1822.7 |
| 20° | 1718.4 | 1763.9 | 1809.4 | 1833.6 | 1857.7 | 1849.7 | 1841.7 |
| 22.5° | 1608.9 | 1675.9 | 1742.8 | 1792.8 | 1842.8 | 1853.4 | 1863.9 |
| 25° | 1511.7 | 1593.0 | 1674.1 | 1750.2 | 1826.2 | 1859.2 | 1892.4 |
| 27.5° | 1431.2 | 1521.3 | 1611.4 | 1712.1 | 1812.7 | 1871.9 | 1931.0 |
| 30° | 1371.3 | 1465.1 | 1558.9 | 1682.9 | 1806.9 | 1895.0 | 1983.2 |
| 32.5° | 1346.4 | 1434.7 | 1522.8 | 1663.1 | 1803.3 | 1924.0 | 2044.8 |
| 35° | 1409.4 | 1470.6 | 1531.9 | 1677.9 | 1824.1 | 1971.8 | 2119.6 |
| 37.5° | 1624.3 | 1628.3 | 1632.2 | 1765.0 | 1897.9 | 2071.6 | 2245.5 |
| 40° | 1999.6 | 1929.9 | 1860.2 | 1959.0 | 2057.7 | 2246.8 | 2435.8 |
| 42.5° | 2503.4 | 2351.4 | 2199.2 | 2256.1 | 2313.0 | 2500.6 | 2688.2 |
| 45° | 3099.8 | 2856.2 | 2612.6 | 2637.7 | 2662.8 | 2831.4 | 2999.9 |
| 47.5° | 3754.3 | 3403.0 | 3051.6 | 3056.7 | 3061.8 | 3225.7 | 3389.6 |
| 50° | 4403.1 | 3950.1 | 3497.3 | 3496.5 | 3495.6 | 3698.0 | 3900.4 |
| 52.5° | 5029.0 | 4488.0 | 3947.1 | 3971.9 | 3996.7 | 4241.8 | 4486.9 |
| 55° | 5637.6 | 5035.6 | 4433.5 | 4530.2 | 4626.8 | 4869.1 | 5111.3 |
| 57.5° | 6243.5 | 5635.6 | 5027.7 | 5221.5 | 5415.3 | 5547.2 | 5679.1 |
| 60° | 7101.3 | 6526.0 | 5950.7 | 6191.4 | 6432.1 | 6227.2 | 6022.3 |
| 62.5° | 7967.3 | 7440.3 | 6913.3 | 6940.5 | 6967.5 | 6407.8 | 5848.0 |
| 65° | 8097.3 | 7427.6 | 6757.8 | 6653.9 | 6550.0 | 6024.6 | 5499.2 |
| 67.5° | 7524.2 | 6826.5 | 6128.7 | 6080.0 | 6031.2 | 5531.5 | 5031.8 |
| 70° | 6849.0 | 6225.0 | 5601.0 | 5579.2 | 5557.3 | 5013.9 | 4470.3 |
| 72.5° | 6056.4 | 5568.2 | 5079.9 | 5064.3 | 5048.6 | 4424.9 | 3801.2 |
| 75° | 5121.4 | 4741.5 | 4361.7 | 4303.8 | 4245.9 | 3600.3 | 2954.8 |
| 77.5° | 4059.7 | 3771.0 | 3482.2 | 3399.3 | 3316.3 | 2713.7 | 2111.2 |
| 80° | 3037.9 | 2819.9 | 2601.8 | 2498.6 | 2395.6 | 1888.7 | 1381.7 |
| 82.5° | 2026.9 | 1876.9 | 1726.7 | 1611.5 | 1496.4 | 1149.7 | 803.2 |
| 85° | 1163.8 | 1040.5 | 917.2 | 819.2 | 721.3 | 537.3 | 353.4 |
| 87.5° | 465.7 | 404.1 | 342.3 | 287.7 | 233.1 | 171.2 | 109.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)