

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P1026755

Luminaire Tested: S125DIP-B1270D1090UB2750-4F0-XX-W2A-A\_3000K

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1026755  
REPORT IS A COMBINATION OF REPORTS P1001529 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S125DIP-B1270D1090UB2750-4F0-XX-W2A-A\_3000K  
Description: Define 5 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}  
Light Source: -  
Ballast/Driver: -

**Summary**

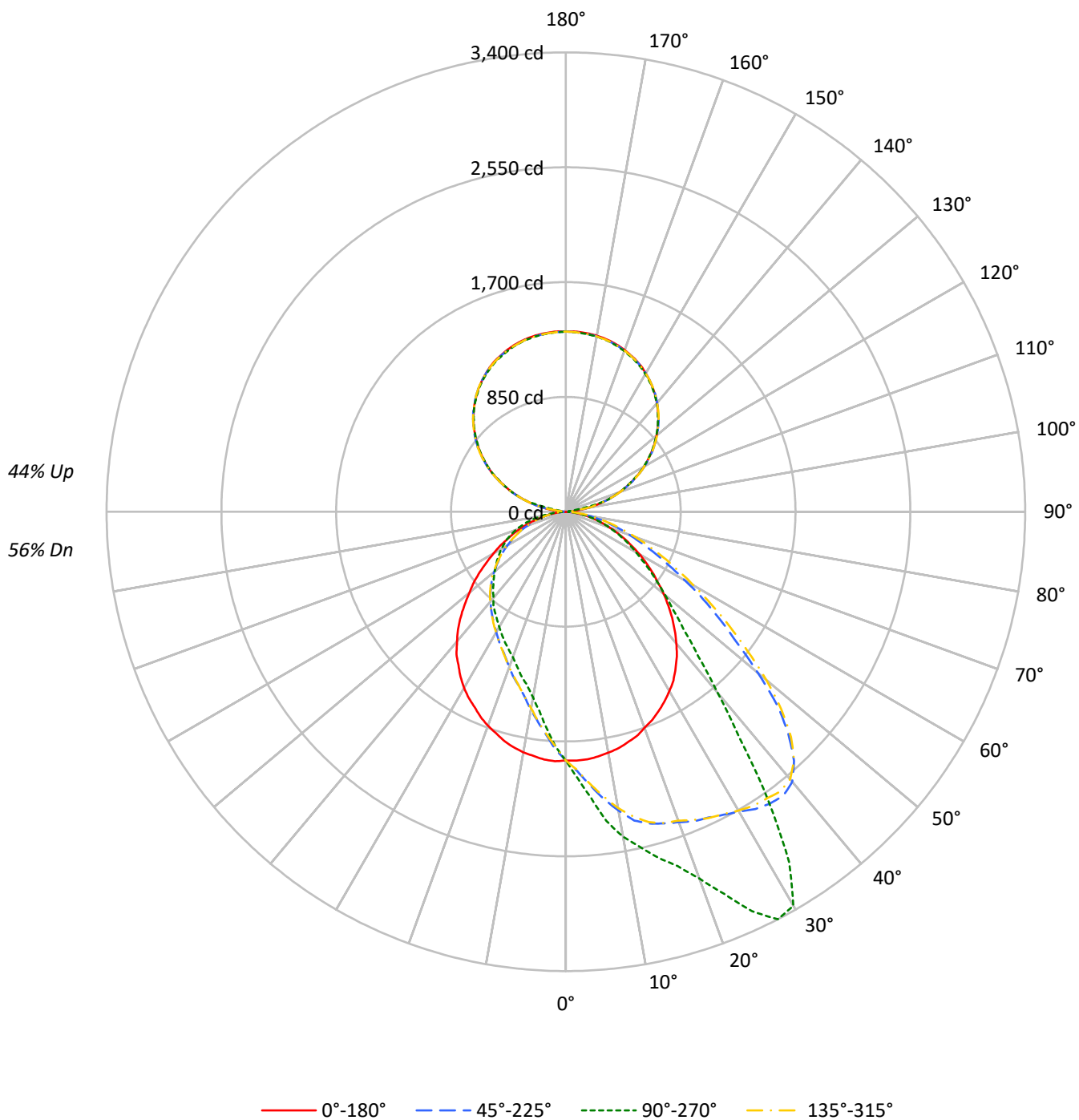
Lumens per Lamp: N/A  
Luminaire Lumens: 9292.0 lumens  
Efficiency: N/A  
Efficacy: 103.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52  
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 89.8  
Input Voltage (V):  
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

TEST NUMBER: P1026755

CATALOG NUMBER: S125DIP-B1270D1090UB2750-4F0-XX-W2A-A\_3000K

### Luminous Intensity Polar Plot



TEST NUMBER: P1026755

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |
| RC  | 80  |     |     |     | 70  |     |     |     | 50 |    |    |    | 30 |    |    |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |
| 0   | 109 | 109 | 109 | 109 | 101 | 101 | 101 | 101 | 87 | 87 | 87 | 74 | 74 | 74 | 62 | 62 | 62 |
| 1   | 99  | 95  | 91  | 88  | 92  | 89  | 85  | 82  | 76 | 74 | 72 | 65 | 63 | 62 | 55 | 54 | 53 |
| 2   | 91  | 83  | 77  | 72  | 84  | 78  | 72  | 68  | 67 | 63 | 60 | 58 | 55 | 52 | 49 | 46 | 45 |
| 3   | 83  | 73  | 66  | 60  | 77  | 69  | 62  | 57  | 59 | 55 | 51 | 51 | 47 | 44 | 43 | 40 | 38 |
| 4   | 76  | 65  | 57  | 51  | 70  | 61  | 54  | 49  | 53 | 48 | 43 | 46 | 41 | 38 | 39 | 36 | 33 |
| 5   | 70  | 58  | 50  | 44  | 65  | 54  | 47  | 42  | 47 | 42 | 37 | 41 | 37 | 33 | 35 | 32 | 29 |
| 6   | 64  | 52  | 44  | 38  | 60  | 49  | 42  | 36  | 43 | 37 | 33 | 37 | 33 | 29 | 32 | 28 | 25 |
| 7   | 59  | 47  | 39  | 34  | 55  | 44  | 37  | 32  | 39 | 33 | 29 | 34 | 29 | 26 | 29 | 25 | 23 |
| 8   | 55  | 43  | 35  | 30  | 51  | 40  | 33  | 28  | 35 | 30 | 26 | 31 | 26 | 23 | 27 | 23 | 20 |
| 9   | 51  | 39  | 32  | 27  | 48  | 37  | 30  | 25  | 33 | 27 | 23 | 28 | 24 | 21 | 25 | 21 | 18 |
| 10  | 48  | 36  | 29  | 24  | 45  | 34  | 27  | 23  | 30 | 24 | 21 | 26 | 22 | 19 | 23 | 19 | 17 |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 11793 | 11793 | 11793 | 11793 |
| 5°  | 11802 | 13378 | 11812 | 10149 |
| 10° | 11730 | 15249 | 11710 | 8712  |
| 15° | 11644 | 16534 | 11572 | 7872  |
| 20° | 11497 | 18118 | 11391 | 7186  |
| 25° | 11367 | 20759 | 11159 | 6780  |
| 30° | 11179 | 21901 | 10985 | 6412  |
| 35° | 10882 | 17556 | 10653 | 6117  |
| 40° | 10419 | 12134 | 10265 | 5806  |
| 45° | 9834  | 9034  | 9724  | 5546  |
| 50° | 9165  | 7437  | 9014  | 5338  |
| 55° | 8443  | 6343  | 8376  | 5158  |
| 60° | 7734  | 5429  | 7600  | 5018  |
| 65° | 6970  | 4689  | 6858  | 4814  |
| 70° | 6163  | 3893  | 6081  | 4460  |
| 75° | 5307  | 3011  | 5237  | 3871  |
| 80° | 4191  | 2036  | 4039  | 2846  |
| 85° | 2682  | 1019  | 2590  | 1450  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 18013 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 177.2  | 1.9       |
| 10°-20°   | 527.7  | 5.7       |
| 20°-30°   | 857.1  | 9.2       |
| 30°-40°   | 1047.5 | 11.3      |
| 40°-50°   | 950.2  | 10.2      |
| 50°-60°   | 756.8  | 8.1       |
| 60°-70°   | 527.1  | 5.7       |
| 70°-80°   | 280.8  | 3.0       |
| 80°-90°   | 71.6   | 0.8       |
| 90°-100°  | 45.3   | 0.5       |
| 100°-110° | 300.9  | 3.2       |
| 110°-120° | 541.9  | 5.8       |
| 120°-130° | 695.6  | 7.5       |
| 130°-140° | 748.1  | 8.1       |
| 140°-150° | 702.2  | 7.6       |
| 150°-160° | 568.0  | 6.1       |
| 160°-170° | 367.3  | 4.0       |
| 170°-180° | 126.7  | 1.4       |
| 0°-30°    | 1561.9 | 16.8      |
| 0°-40°    | 2609.4 | 28.1      |
| 0°-60°    | 4316.4 | 46.5      |
| 0°-90°    | 5196.0 | 55.9      |
| 90°-120°  | 888.1  | 9.6       |
| 90°-150°  | 3034.1 | 32.7      |
| 90°-180°  | 4096.0 | 44.1      |
| 0°-180°   | 9292.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1841 | 1841 | 1841 | 1841 | 1841 |      |
| 5°   | 1839 | 2123 | 1841 | 1611 | 1839 | 175  |
| 15°  | 1767 | 2652 | 1756 | 1262 | 1767 | 499  |
| 25°  | 1627 | 3262 | 1597 | 1066 | 1627 | 749  |
| 35°  | 1416 | 2619 | 1386 | 912  | 1416 | 884  |
| 45°  | 1112 | 1234 | 1100 | 758  | 1112 | 857  |
| 55°  | 783  | 761  | 777  | 619  | 783  | 700  |
| 65°  | 484  | 467  | 477  | 480  | 484  | 481  |
| 75°  | 234  | 230  | 231  | 295  | 234  | 249  |
| 85°  | 47   | 52   | 45   | 73   | 47   | 56   |
| 90°  | 1    | 24   | 1    | 24   | 1    | 6    |
| 95°  | 56   | 21   | 56   | 21   | 56   | 69   |
| 105° | 291  | 294  | 291  | 294  | 291  | 308  |
| 115° | 546  | 542  | 546  | 542  | 546  | 541  |
| 125° | 776  | 776  | 776  | 776  | 776  | 693  |
| 135° | 968  | 964  | 968  | 964  | 968  | 746  |
| 145° | 1122 | 1119 | 1122 | 1119 | 1122 | 702  |
| 155° | 1236 | 1227 | 1236 | 1227 | 1236 | 569  |
| 165° | 1304 | 1297 | 1304 | 1297 | 1304 | 368  |
| 175° | 1333 | 1328 | 1333 | 1328 | 1333 | 127  |
| 180° | 1333 | 1333 | 1333 | 1333 | 1333 |      |

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CATALOG NUMBER: S125DIP-B1270D1090UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 |
| 2.5°   | 1843.8 | 1854.7 | 1867.2 | 1876.6 | 1892.2 | 1896.9 | 1904.7 | 1909.4 | 1914.1 | 1918.8 | 1921.9 |
| 5°     | 1839.1 | 1865.6 | 1889.1 | 1906.3 | 1935.9 | 1946.9 | 1960.9 | 1978.1 | 1998.4 | 2015.6 | 2026.6 |
| 7.5°   | 1826.6 | 1868.8 | 1900.0 | 1934.4 | 1975.0 | 2001.6 | 2015.6 | 2051.6 | 2084.4 | 2109.4 | 2142.2 |
| 10°    | 1810.9 | 1860.9 | 1909.4 | 1960.9 | 2018.8 | 2048.4 | 2076.6 | 2126.6 | 2171.9 | 2212.5 | 2245.3 |
| 12.5°  | 1793.8 | 1854.7 | 1912.5 | 1979.7 | 2057.8 | 2093.8 | 2112.5 | 2198.4 | 2254.7 | 2276.6 | 2340.6 |
| 15°    | 1767.2 | 1839.1 | 1921.9 | 2004.7 | 2070.3 | 2112.5 | 2164.1 | 2232.8 | 2289.1 | 2337.5 | 2389.1 |
| 17.5°  | 1742.2 | 1820.3 | 1904.7 | 1996.9 | 2092.2 | 2146.9 | 2185.9 | 2246.9 | 2307.8 | 2370.3 | 2418.8 |
| 20°    | 1701.6 | 1803.1 | 1889.1 | 1987.5 | 2100.0 | 2139.1 | 2179.7 | 2251.6 | 2317.2 | 2384.4 | 2445.3 |
| 22.5°  | 1668.8 | 1765.6 | 1882.8 | 1976.6 | 2071.9 | 2110.9 | 2160.9 | 2235.9 | 2314.1 | 2390.6 | 2479.7 |
| 25°    | 1626.6 | 1734.4 | 1835.9 | 1935.9 | 2034.4 | 2076.6 | 2121.9 | 2218.8 | 2300.0 | 2398.4 | 2496.9 |
| 27.5°  | 1581.3 | 1692.2 | 1793.8 | 1884.4 | 1976.6 | 2034.4 | 2082.8 | 2184.4 | 2292.2 | 2400.0 | 2528.1 |
| 30°    | 1532.8 | 1637.5 | 1734.4 | 1823.4 | 1925.0 | 1984.4 | 2032.8 | 2151.6 | 2271.9 | 2409.4 | 2562.5 |
| 32.5°  | 1481.3 | 1579.7 | 1662.5 | 1753.1 | 1860.9 | 1915.6 | 1981.3 | 2110.9 | 2253.1 | 2417.2 | 2609.4 |
| 35°    | 1415.6 | 1509.4 | 1582.8 | 1675.0 | 1782.8 | 1853.1 | 1921.9 | 2067.2 | 2232.8 | 2415.6 | 2635.9 |
| 37.5°  | 1350.0 | 1423.4 | 1493.8 | 1592.2 | 1717.2 | 1781.3 | 1853.1 | 2012.5 | 2201.6 | 2410.9 | 2646.9 |
| 40°    | 1271.9 | 1343.8 | 1404.7 | 1504.7 | 1635.9 | 1709.4 | 1784.4 | 1951.6 | 2165.6 | 2393.8 | 2607.8 |
| 42.5°  | 1193.8 | 1254.7 | 1321.9 | 1426.6 | 1553.1 | 1631.3 | 1710.9 | 1896.9 | 2118.8 | 2343.8 | 2500.0 |
| 45°    | 1112.5 | 1159.4 | 1232.8 | 1328.1 | 1462.5 | 1537.5 | 1628.1 | 1829.7 | 2053.1 | 2253.1 | 2331.3 |
| 47.5°  | 1028.1 | 1075.0 | 1143.8 | 1235.9 | 1368.8 | 1457.8 | 1543.8 | 1745.3 | 1970.3 | 2125.0 | 2125.0 |
| 50°    | 946.9  | 984.4  | 1051.6 | 1143.8 | 1278.1 | 1359.4 | 1446.9 | 1660.9 | 1842.2 | 1956.3 | 1854.7 |
| 52.5°  | 859.4  | 901.6  | 957.8  | 1054.7 | 1187.5 | 1260.9 | 1356.3 | 1539.1 | 1710.9 | 1757.8 | 1601.6 |
| 55°    | 782.8  | 817.2  | 870.3  | 962.5  | 1085.9 | 1162.5 | 1243.8 | 1418.8 | 1564.1 | 1560.9 | 1393.8 |
| 57.5°  | 703.1  | 731.3  | 787.5  | 871.9  | 985.9  | 1054.7 | 1135.9 | 1287.5 | 1406.3 | 1364.1 | 1206.3 |
| 60°    | 629.7  | 650.0  | 704.7  | 773.4  | 882.8  | 946.9  | 1025.0 | 1148.4 | 1239.1 | 1179.7 | 1020.3 |
| 62.5°  | 553.1  | 576.6  | 620.3  | 687.5  | 784.4  | 835.9  | 893.8  | 1018.8 | 1076.6 | 1023.4 | 860.9  |
| 65°    | 484.4  | 503.1  | 542.2  | 598.4  | 685.9  | 732.8  | 782.8  | 885.9  | 940.6  | 864.1  | 729.7  |
| 67.5°  | 415.6  | 437.5  | 465.6  | 515.6  | 584.4  | 628.1  | 671.9  | 760.9  | 785.9  | 717.2  | 604.7  |
| 70°    | 351.6  | 370.3  | 396.9  | 432.8  | 490.6  | 529.7  | 562.5  | 635.9  | 653.1  | 589.1  | 500.0  |
| 72.5°  | 289.1  | 301.6  | 323.4  | 353.1  | 406.3  | 428.1  | 462.5  | 512.5  | 534.4  | 476.6  | 412.5  |
| 75°    | 234.4  | 243.8  | 257.8  | 279.7  | 315.6  | 339.1  | 367.2  | 414.1  | 412.5  | 371.9  | 326.6  |
| 77.5°  | 181.3  | 182.8  | 198.4  | 218.8  | 240.6  | 260.9  | 275.0  | 307.8  | 310.9  | 285.9  | 248.4  |
| 80°    | 129.7  | 134.4  | 140.6  | 156.3  | 175.0  | 182.8  | 200.0  | 220.3  | 223.4  | 204.7  | 179.7  |
| 82.5°  | 82.8   | 85.9   | 90.6   | 100.0  | 112.5  | 121.9  | 131.3  | 139.1  | 146.9  | 135.9  | 115.6  |
| 85°    | 46.9   | 48.4   | 53.1   | 56.3   | 62.5   | 67.2   | 75.0   | 82.8   | 81.3   | 73.4   | 67.2   |
| 87.5°  | 23.4   | 23.4   | 23.4   | 26.6   | 29.7   | 29.7   | 32.8   | 34.4   | 35.9   | 32.8   | 29.7   |
| 90°    | 1.0    | 2.8    | 4.5    | 6.3    | 8.0    | 8.9    | 9.7    | 11.2   | 12.7   | 14.3   | 15.8   |
| 92.5°  | 18.8   | 16.8   | 14.8   | 12.9   | 10.9   | 9.9    | 10.6   | 11.9   | 13.2   | 14.5   | 15.8   |
| 95°    | 56.3   | 55.7   | 55.0   | 54.4   | 53.7   | 53.4   | 49.2   | 40.9   | 32.5   | 24.2   | 15.8   |
| 97.5°  | 105.8  | 107.1  | 108.4  | 109.7  | 111.0  | 111.7  | 101.3  | 80.4   | 59.5   | 38.7   | 17.8   |
| 100°   | 165.1  | 165.7  | 166.4  | 167.0  | 167.7  | 168.0  | 168.4  | 169.3  | 170.2  | 171.1  | 172.0  |
| 102.5° | 225.4  | 226.3  | 227.1  | 228.0  | 228.9  | 229.3  | 229.5  | 230.0  | 230.4  | 230.9  | 231.3  |
| 105°   | 290.6  | 291.5  | 292.4  | 293.3  | 294.2  | 294.6  | 294.6  | 294.6  | 294.6  | 294.6  | 294.6  |
| 107.5° | 357.8  | 357.8  | 357.8  | 357.8  | 357.8  | 357.8  | 358.0  | 358.5  | 358.9  | 359.4  | 359.8  |
| 110°   | 423.1  | 423.1  | 423.1  | 423.1  | 423.1  | 423.1  | 423.3  | 423.7  | 424.2  | 424.6  | 425.0  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 484.3  | 485.0  | 485.6  | 486.3  | 487.0  | 487.3  | 487.4  | 487.6  | 487.9  | 488.1  | 488.3  |
| 115°   | 545.6  | 546.7  | 547.8  | 548.9  | 550.0  | 550.6  | 550.7  | 550.9  | 551.2  | 551.4  | 551.6  |
| 117.5° | 609.9  | 609.9  | 609.9  | 609.9  | 609.9  | 609.9  | 610.3  | 611.2  | 612.1  | 612.9  | 613.8  |
| 120°   | 669.2  | 669.0  | 668.8  | 668.5  | 668.3  | 668.2  | 668.5  | 669.2  | 669.9  | 670.5  | 671.2  |
| 122.5° | 721.6  | 722.7  | 723.8  | 724.9  | 726.0  | 726.5  | 726.6  | 726.8  | 727.1  | 727.3  | 727.5  |
| 125°   | 775.9  | 777.5  | 779.0  | 780.6  | 782.1  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  |
| 127.5° | 828.3  | 829.4  | 830.5  | 831.6  | 832.7  | 833.3  | 833.2  | 833.0  | 832.7  | 832.5  | 832.3  |
| 130°   | 875.8  | 876.9  | 878.0  | 879.1  | 880.2  | 880.7  | 880.8  | 881.0  | 881.3  | 881.5  | 881.7  |
| 132.5° | 923.2  | 924.5  | 925.9  | 927.2  | 928.5  | 929.2  | 928.9  | 928.2  | 927.5  | 926.9  | 926.2  |
| 135°   | 967.7  | 969.0  | 970.3  | 971.6  | 972.9  | 973.6  | 973.4  | 973.0  | 972.5  | 972.1  | 971.7  |
| 137.5° | 1009.2 | 1010.5 | 1011.8 | 1013.1 | 1014.4 | 1015.1 | 1014.9 | 1014.5 | 1014.0 | 1013.6 | 1013.2 |
| 140°   | 1049.7 | 1050.1 | 1050.6 | 1051.0 | 1051.5 | 1051.7 | 1051.6 | 1051.4 | 1051.1 | 1050.9 | 1050.7 |
| 142.5° | 1086.3 | 1086.5 | 1086.7 | 1087.0 | 1087.2 | 1087.3 | 1087.5 | 1088.0 | 1088.4 | 1088.9 | 1089.3 |
| 145°   | 1121.9 | 1122.3 | 1122.8 | 1123.2 | 1123.7 | 1123.9 | 1123.9 | 1123.9 | 1123.9 | 1123.9 | 1123.9 |
| 147.5° | 1153.5 | 1153.5 | 1153.5 | 1153.5 | 1153.5 | 1153.5 | 1153.6 | 1153.8 | 1154.1 | 1154.3 | 1154.5 |
| 150°   | 1183.2 | 1182.8 | 1182.3 | 1181.9 | 1181.4 | 1181.2 | 1181.4 | 1181.9 | 1182.3 | 1182.8 | 1183.2 |
| 152.5° | 1211.9 | 1210.8 | 1209.7 | 1208.6 | 1207.5 | 1206.9 | 1207.1 | 1207.6 | 1208.0 | 1208.5 | 1208.9 |
| 155°   | 1235.6 | 1234.3 | 1232.9 | 1231.6 | 1230.3 | 1229.6 | 1229.8 | 1230.3 | 1230.7 | 1231.2 | 1231.6 |
| 157.5° | 1254.4 | 1253.7 | 1253.1 | 1252.4 | 1251.7 | 1251.4 | 1251.4 | 1251.4 | 1251.4 | 1251.4 | 1251.4 |
| 160°   | 1274.1 | 1272.8 | 1271.5 | 1270.2 | 1268.9 | 1268.2 | 1268.3 | 1268.5 | 1268.8 | 1269.0 | 1269.2 |
| 162.5° | 1289.9 | 1288.6 | 1287.3 | 1286.0 | 1284.7 | 1284.0 | 1284.1 | 1284.3 | 1284.6 | 1284.8 | 1285.0 |
| 165°   | 1303.8 | 1302.5 | 1301.1 | 1299.8 | 1298.5 | 1297.8 | 1297.9 | 1298.1 | 1298.4 | 1298.6 | 1298.8 |
| 167.5° | 1314.7 | 1313.4 | 1312.0 | 1310.7 | 1309.4 | 1308.7 | 1308.8 | 1309.0 | 1309.3 | 1309.5 | 1309.7 |
| 170°   | 1323.5 | 1322.0 | 1320.4 | 1318.9 | 1317.4 | 1316.6 | 1316.7 | 1316.9 | 1317.2 | 1317.4 | 1317.6 |
| 172.5° | 1329.5 | 1328.0 | 1326.4 | 1324.9 | 1323.4 | 1322.6 | 1322.8 | 1323.2 | 1323.7 | 1324.1 | 1324.5 |
| 175°   | 1333.4 | 1332.1 | 1330.8 | 1329.5 | 1328.2 | 1327.5 | 1327.6 | 1327.8 | 1328.1 | 1328.3 | 1328.5 |
| 177.5° | 1336.4 | 1335.1 | 1333.8 | 1332.5 | 1331.2 | 1330.5 | 1330.6 | 1330.8 | 1331.1 | 1331.3 | 1331.5 |
| 180°   | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 |
| 2.5°   | 1925.0 | 1935.9 | 1945.3 | 1953.1 | 1959.4 | 1968.8 | 1962.5 | 1964.1 | 1967.2 | 1973.4 | 1973.4 |
| 5°     | 2050.0 | 2067.2 | 2076.6 | 2107.8 | 2115.6 | 2114.1 | 2109.4 | 2134.4 | 2132.8 | 2123.4 | 2121.9 |
| 7.5°   | 2171.9 | 2201.6 | 2228.1 | 2253.1 | 2260.9 | 2281.3 | 2285.9 | 2296.9 | 2293.8 | 2309.4 | 2301.6 |
| 10°    | 2282.8 | 2329.7 | 2354.7 | 2392.2 | 2401.6 | 2410.9 | 2423.4 | 2429.7 | 2443.8 | 2442.2 | 2442.2 |
| 12.5°  | 2368.8 | 2425.0 | 2457.8 | 2467.2 | 2503.1 | 2514.1 | 2525.0 | 2545.3 | 2540.6 | 2542.2 | 2551.6 |
| 15°    | 2435.9 | 2490.6 | 2518.8 | 2562.5 | 2587.5 | 2600.0 | 2618.8 | 2640.6 | 2637.5 | 2651.6 | 2648.4 |
| 17.5°  | 2485.9 | 2537.5 | 2589.1 | 2654.7 | 2656.3 | 2689.1 | 2732.8 | 2742.2 | 2762.5 | 2748.4 | 2748.4 |
| 20°    | 2526.6 | 2595.3 | 2668.8 | 2753.1 | 2762.5 | 2782.8 | 2835.9 | 2871.9 | 2895.3 | 2887.5 | 2892.2 |
| 22.5°  | 2570.3 | 2668.8 | 2754.7 | 2839.1 | 2884.4 | 2920.3 | 2971.9 | 3028.1 | 3048.5 | 3061.0 | 3057.8 |
| 25°    | 2626.6 | 2729.7 | 2856.3 | 2973.5 | 3020.3 | 3089.1 | 3157.8 | 3212.5 | 3228.1 | 3262.5 | 3231.3 |
| 27.5°  | 2684.4 | 2829.7 | 2987.5 | 3125.0 | 3184.4 | 3240.6 | 3323.5 | 3364.1 | 3384.4 | 3400.0 | 3389.1 |
| 30°    | 2732.8 | 2932.8 | 3104.7 | 3231.3 | 3273.5 | 3306.3 | 3353.1 | 3362.5 | 3354.7 | 3367.2 | 3382.8 |
| 32.5°  | 2807.8 | 3003.1 | 3148.5 | 3209.4 | 3204.7 | 3203.1 | 3167.2 | 3117.2 | 3106.3 | 3076.6 | 3117.2 |
| 35°    | 2848.4 | 3004.7 | 3061.0 | 2979.7 | 2946.9 | 2887.5 | 2773.4 | 2698.4 | 2632.8 | 2618.8 | 2621.9 |
| 37.5°  | 2825.0 | 2886.0 | 2818.8 | 2604.7 | 2551.6 | 2460.9 | 2309.4 | 2203.1 | 2154.7 | 2117.2 | 2165.6 |
| 40°    | 2698.4 | 2631.3 | 2446.9 | 2185.9 | 2109.4 | 2023.4 | 1881.3 | 1823.4 | 1754.7 | 1740.6 | 1804.7 |
| 42.5°  | 2489.1 | 2284.4 | 2023.4 | 1821.9 | 1742.2 | 1693.8 | 1575.0 | 1520.3 | 1471.9 | 1450.0 | 1485.9 |
| 45°    | 2204.7 | 1956.3 | 1693.8 | 1528.1 | 1460.9 | 1403.1 | 1332.8 | 1275.0 | 1243.8 | 1234.4 | 1264.1 |
| 47.5°  | 1910.9 | 1648.4 | 1439.1 | 1315.6 | 1245.3 | 1201.6 | 1135.9 | 1103.1 | 1078.1 | 1081.3 | 1085.9 |
| 50°    | 1629.7 | 1390.6 | 1229.7 | 1106.3 | 1071.9 | 1037.5 | 993.8  | 965.6  | 953.1  | 957.8  | 954.7  |
| 52.5°  | 1387.5 | 1193.8 | 1057.8 | 962.5  | 946.9  | 914.1  | 878.1  | 854.7  | 850.0  | 851.6  | 856.3  |
| 55°    | 1175.0 | 1023.4 | 915.6  | 846.9  | 829.7  | 806.3  | 784.4  | 768.8  | 756.3  | 760.9  | 759.4  |
| 57.5°  | 1014.1 | 881.3  | 798.4  | 742.2  | 729.7  | 715.6  | 695.3  | 687.5  | 682.8  | 673.4  | 681.3  |
| 60°    | 871.9  | 764.1  | 692.2  | 657.8  | 646.9  | 637.5  | 615.6  | 606.3  | 603.1  | 598.4  | 610.9  |
| 62.5°  | 737.5  | 660.9  | 606.3  | 575.0  | 564.1  | 554.7  | 543.8  | 535.9  | 537.5  | 531.3  | 537.5  |
| 65°    | 631.3  | 568.8  | 529.7  | 501.6  | 487.5  | 481.3  | 479.7  | 467.2  | 465.6  | 467.2  | 468.8  |
| 67.5°  | 532.8  | 479.7  | 450.0  | 432.8  | 421.9  | 415.6  | 410.9  | 403.1  | 409.4  | 404.7  | 407.8  |
| 70°    | 443.8  | 407.8  | 376.6  | 359.4  | 354.7  | 356.3  | 348.4  | 345.3  | 346.9  | 343.8  | 346.9  |
| 72.5°  | 357.8  | 328.1  | 315.6  | 303.1  | 296.9  | 295.3  | 290.6  | 285.9  | 290.6  | 289.1  | 289.1  |
| 75°    | 285.9  | 264.1  | 250.0  | 242.2  | 242.2  | 239.1  | 231.3  | 231.3  | 231.3  | 229.7  | 231.3  |
| 77.5°  | 220.3  | 201.6  | 195.3  | 187.5  | 187.5  | 182.8  | 181.3  | 181.3  | 178.1  | 182.8  | 179.7  |
| 80°    | 164.1  | 150.0  | 140.6  | 135.9  | 135.9  | 134.4  | 131.3  | 129.7  | 131.3  | 129.7  | 129.7  |
| 82.5°  | 106.3  | 100.0  | 95.3   | 90.6   | 89.1   | 90.6   | 89.1   | 85.9   | 87.5   | 85.9   | 89.1   |
| 85°    | 60.9   | 54.7   | 54.7   | 51.6   | 53.1   | 50.0   | 51.6   | 48.4   | 46.9   | 51.6   | 48.4   |
| 87.5°  | 26.6   | 25.0   | 25.0   | 21.9   | 21.9   | 21.9   | 20.3   | 21.9   | 20.3   | 18.8   | 20.3   |
| 90°    | 16.9   | 18.0   | 19.1   | 20.2   | 20.8   | 21.1   | 21.8   | 22.4   | 23.1   | 23.7   | 23.1   |
| 92.5°  | 16.9   | 18.0   | 19.1   | 20.2   | 20.8   | 20.9   | 21.1   | 21.3   | 21.5   | 21.7   | 21.5   |
| 95°    | 16.9   | 18.0   | 19.1   | 20.2   | 20.8   | 20.8   | 20.8   | 20.8   | 20.8   | 20.8   | 20.8   |
| 97.5°  | 18.2   | 18.7   | 19.1   | 19.6   | 19.8   | 19.9   | 20.1   | 20.4   | 20.6   | 20.8   | 20.6   |
| 100°   | 139.3  | 106.5  | 73.8   | 41.1   | 24.7   | 24.3   | 23.4   | 22.5   | 21.7   | 20.8   | 21.7   |
| 102.5° | 231.7  | 232.2  | 232.6  | 233.1  | 233.3  | 224.1  | 205.6  | 187.1  | 168.7  | 150.2  | 168.7  |
| 105°   | 294.6  | 294.6  | 294.6  | 294.6  | 294.6  | 294.5  | 294.3  | 294.0  | 293.8  | 293.6  | 293.8  |
| 107.5° | 360.0  | 360.2  | 360.5  | 360.7  | 360.8  | 360.4  | 359.5  | 358.6  | 357.7  | 356.8  | 357.7  |
| 110°   | 424.4  | 423.7  | 423.1  | 422.4  | 422.1  | 422.2  | 422.4  | 422.7  | 422.9  | 423.1  | 422.9  |

TEST NUMBER: P1026755

CATALOG NUMBER: S125DIP-B1270D1090UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 487.4  | 486.5  | 485.6  | 484.7  | 484.3  | 484.1  | 483.7  | 483.2  | 482.8  | 482.4  | 482.8  |
| 115°   | 550.7  | 549.8  | 548.9  | 548.0  | 547.6  | 546.9  | 545.6  | 544.3  | 543.0  | 541.7  | 543.0  |
| 117.5° | 612.5  | 611.2  | 609.9  | 608.6  | 607.9  | 607.7  | 607.2  | 606.8  | 606.3  | 605.9  | 606.3  |
| 120°   | 670.8  | 670.3  | 669.9  | 669.4  | 669.2  | 668.6  | 667.5  | 666.4  | 665.3  | 664.2  | 665.3  |
| 122.5° | 727.1  | 726.6  | 726.2  | 725.7  | 725.5  | 724.8  | 723.5  | 722.2  | 720.9  | 719.6  | 720.9  |
| 125°   | 782.0  | 781.1  | 780.2  | 779.3  | 778.9  | 778.6  | 777.9  | 777.2  | 776.6  | 775.9  | 776.6  |
| 127.5° | 831.9  | 831.4  | 831.0  | 830.5  | 830.3  | 829.4  | 827.7  | 825.9  | 824.2  | 822.4  | 824.2  |
| 130°   | 881.0  | 880.4  | 879.7  | 879.0  | 878.7  | 878.2  | 877.1  | 876.0  | 874.9  | 873.8  | 874.9  |
| 132.5° | 926.2  | 926.2  | 926.2  | 926.2  | 926.2  | 925.6  | 924.5  | 923.4  | 922.3  | 921.2  | 922.3  |
| 135°   | 971.3  | 970.8  | 970.4  | 969.9  | 969.7  | 969.0  | 967.7  | 966.4  | 965.0  | 963.7  | 965.0  |
| 137.5° | 1013.2 | 1013.2 | 1013.2 | 1013.2 | 1013.2 | 1012.6 | 1011.5 | 1010.4 | 1009.3 | 1008.2 | 1009.3 |
| 140°   | 1051.1 | 1051.6 | 1052.0 | 1052.5 | 1052.7 | 1052.0 | 1050.7 | 1049.4 | 1048.1 | 1046.8 | 1048.1 |
| 142.5° | 1089.3 | 1089.3 | 1089.3 | 1089.3 | 1089.3 | 1088.6 | 1087.3 | 1086.0 | 1084.7 | 1083.4 | 1084.7 |
| 145°   | 1124.1 | 1124.3 | 1124.6 | 1124.8 | 1124.9 | 1124.2 | 1122.9 | 1121.6 | 1120.2 | 1118.9 | 1120.2 |
| 147.5° | 1154.7 | 1154.9 | 1155.2 | 1155.4 | 1155.5 | 1154.7 | 1153.2 | 1151.7 | 1150.1 | 1148.6 | 1150.1 |
| 150°   | 1183.6 | 1184.1 | 1184.5 | 1185.0 | 1185.2 | 1184.3 | 1182.6 | 1180.8 | 1179.1 | 1177.3 | 1179.1 |
| 152.5° | 1209.3 | 1209.8 | 1210.2 | 1210.7 | 1210.9 | 1210.1 | 1208.6 | 1207.0 | 1205.5 | 1203.9 | 1205.5 |
| 155°   | 1232.3 | 1232.9 | 1233.6 | 1234.3 | 1234.6 | 1233.7 | 1232.0 | 1230.2 | 1228.5 | 1226.7 | 1228.5 |
| 157.5° | 1252.1 | 1252.7 | 1253.4 | 1254.1 | 1254.4 | 1253.5 | 1251.7 | 1250.0 | 1248.2 | 1246.4 | 1248.2 |
| 160°   | 1270.1 | 1270.9 | 1271.8 | 1272.7 | 1273.1 | 1272.2 | 1270.5 | 1268.7 | 1267.0 | 1265.2 | 1267.0 |
| 162.5° | 1286.3 | 1287.6 | 1288.9 | 1290.2 | 1290.9 | 1289.9 | 1287.9 | 1286.0 | 1284.0 | 1282.0 | 1284.0 |
| 165°   | 1300.1 | 1301.5 | 1302.8 | 1304.1 | 1304.8 | 1303.9 | 1302.2 | 1300.4 | 1298.7 | 1296.9 | 1298.7 |
| 167.5° | 1311.2 | 1312.8 | 1314.3 | 1315.8 | 1316.6 | 1315.6 | 1313.6 | 1311.7 | 1309.7 | 1307.7 | 1309.7 |
| 170°   | 1319.4 | 1321.1 | 1322.9 | 1324.6 | 1325.5 | 1324.5 | 1322.5 | 1320.6 | 1318.6 | 1316.6 | 1318.6 |
| 172.5° | 1326.1 | 1327.6 | 1329.2 | 1330.7 | 1331.5 | 1330.5 | 1328.5 | 1326.6 | 1324.6 | 1322.6 | 1324.6 |
| 175°   | 1330.3 | 1332.0 | 1333.8 | 1335.5 | 1336.4 | 1335.4 | 1333.4 | 1331.5 | 1329.5 | 1327.5 | 1329.5 |
| 177.5° | 1333.0 | 1334.6 | 1336.1 | 1337.6 | 1338.4 | 1337.5 | 1335.8 | 1334.0 | 1332.3 | 1330.5 | 1332.3 |
| 180°   | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 |

TEST NUMBER: P1026755

CATALOG NUMBER: S125DIP-B1270D1090UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 |
| 2.5°   | 1970.3 | 1959.4 | 1962.5 | 1959.4 | 1951.6 | 1946.9 | 1934.4 | 1918.8 | 1912.5 | 1904.7 | 1900.0 |
| 5°     | 2128.1 | 2120.3 | 2118.8 | 2106.3 | 2103.1 | 2084.4 | 2053.1 | 2037.5 | 2018.8 | 2000.0 | 1981.3 |
| 7.5°   | 2300.0 | 2290.6 | 2259.4 | 2254.7 | 2257.8 | 2234.4 | 2193.8 | 2162.5 | 2123.4 | 2096.9 | 2060.9 |
| 10°    | 2442.2 | 2423.4 | 2396.9 | 2398.4 | 2387.5 | 2356.3 | 2315.6 | 2282.8 | 2226.6 | 2192.2 | 2140.6 |
| 12.5°  | 2528.1 | 2512.5 | 2509.4 | 2493.8 | 2484.4 | 2443.8 | 2395.3 | 2353.1 | 2310.9 | 2264.1 | 2225.0 |
| 15°    | 2632.8 | 2612.5 | 2598.4 | 2576.6 | 2570.3 | 2528.1 | 2475.0 | 2426.6 | 2378.1 | 2334.4 | 2251.6 |
| 17.5°  | 2748.4 | 2726.6 | 2673.4 | 2668.8 | 2631.3 | 2590.6 | 2539.1 | 2467.2 | 2415.6 | 2353.1 | 2292.2 |
| 20°    | 2879.7 | 2848.4 | 2779.7 | 2762.5 | 2732.8 | 2665.6 | 2595.3 | 2515.6 | 2432.8 | 2368.8 | 2296.9 |
| 22.5°  | 3026.6 | 2971.9 | 2921.9 | 2867.2 | 2845.3 | 2762.5 | 2665.6 | 2568.8 | 2468.8 | 2381.3 | 2295.3 |
| 25°    | 3217.2 | 3145.3 | 3075.0 | 3020.3 | 2982.8 | 2875.0 | 2745.3 | 2617.2 | 2501.6 | 2387.5 | 2275.0 |
| 27.5°  | 3367.2 | 3304.7 | 3228.1 | 3156.3 | 3107.8 | 2979.7 | 2831.3 | 2665.6 | 2521.9 | 2382.8 | 2262.5 |
| 30°    | 3378.1 | 3359.4 | 3312.5 | 3273.5 | 3220.3 | 3082.8 | 2918.8 | 2731.3 | 2553.1 | 2384.4 | 2237.5 |
| 32.5°  | 3173.5 | 3211.0 | 3231.3 | 3237.5 | 3226.6 | 3146.9 | 2996.9 | 2790.6 | 2581.3 | 2370.3 | 2215.6 |
| 35°    | 2732.8 | 2832.8 | 2956.3 | 3003.1 | 3048.5 | 3090.6 | 3012.5 | 2832.8 | 2590.6 | 2367.2 | 2181.3 |
| 37.5°  | 2250.0 | 2340.6 | 2545.3 | 2639.1 | 2692.2 | 2859.4 | 2923.5 | 2826.6 | 2609.4 | 2370.3 | 2148.4 |
| 40°    | 1815.6 | 1959.4 | 2106.3 | 2232.8 | 2315.6 | 2503.1 | 2701.6 | 2723.4 | 2582.8 | 2340.6 | 2106.3 |
| 42.5°  | 1528.1 | 1612.5 | 1723.4 | 1840.6 | 1914.1 | 2135.9 | 2404.7 | 2562.5 | 2500.0 | 2292.2 | 2054.7 |
| 45°    | 1301.6 | 1364.1 | 1468.8 | 1507.8 | 1601.6 | 1814.1 | 2098.4 | 2326.6 | 2357.8 | 2215.6 | 1995.3 |
| 47.5°  | 1117.2 | 1170.3 | 1237.5 | 1285.9 | 1360.9 | 1520.3 | 1760.9 | 2012.5 | 2162.5 | 2110.9 | 1912.5 |
| 50°    | 984.4  | 1028.1 | 1084.4 | 1112.5 | 1160.9 | 1304.7 | 1485.9 | 1735.9 | 1937.5 | 1954.7 | 1804.7 |
| 52.5°  | 873.4  | 898.4  | 942.2  | 973.4  | 1012.5 | 1100.0 | 1264.1 | 1470.3 | 1696.9 | 1790.6 | 1671.9 |
| 55°    | 776.6  | 796.9  | 835.9  | 856.3  | 876.6  | 951.6  | 1079.7 | 1267.2 | 1479.7 | 1603.1 | 1535.9 |
| 57.5°  | 689.1  | 706.3  | 739.1  | 757.8  | 768.8  | 840.6  | 939.1  | 1085.9 | 1276.6 | 1426.6 | 1389.1 |
| 60°    | 617.2  | 632.8  | 651.6  | 665.6  | 678.1  | 737.5  | 806.3  | 925.0  | 1095.3 | 1240.6 | 1231.3 |
| 62.5°  | 540.6  | 554.7  | 575.0  | 589.1  | 600.0  | 637.5  | 695.3  | 785.9  | 931.3  | 1065.6 | 1092.2 |
| 65°    | 473.4  | 484.4  | 498.4  | 504.7  | 518.8  | 546.9  | 593.8  | 675.0  | 793.8  | 914.1  | 932.8  |
| 67.5°  | 412.5  | 415.6  | 425.0  | 439.1  | 442.2  | 467.2  | 509.4  | 570.3  | 662.5  | 760.9  | 790.6  |
| 70°    | 346.9  | 351.6  | 359.4  | 370.3  | 376.6  | 392.2  | 428.1  | 468.8  | 548.4  | 634.4  | 656.3  |
| 72.5°  | 289.1  | 295.3  | 298.4  | 304.7  | 307.8  | 332.8  | 348.4  | 389.1  | 443.8  | 515.6  | 539.1  |
| 75°    | 234.4  | 240.6  | 242.2  | 245.3  | 248.4  | 259.4  | 281.3  | 306.3  | 351.6  | 398.4  | 429.7  |
| 77.5°  | 185.9  | 184.4  | 187.5  | 192.2  | 190.6  | 200.0  | 214.1  | 235.9  | 265.6  | 304.7  | 325.0  |
| 80°    | 131.3  | 131.3  | 135.9  | 140.6  | 139.1  | 148.4  | 153.1  | 168.8  | 193.8  | 218.8  | 226.6  |
| 82.5°  | 87.5   | 87.5   | 92.2   | 92.2   | 95.3   | 96.9   | 103.1  | 110.9  | 131.3  | 143.8  | 148.4  |
| 85°    | 50.0   | 50.0   | 51.6   | 51.6   | 51.6   | 54.7   | 59.4   | 62.5   | 68.8   | 76.6   | 79.7   |
| 87.5°  | 20.3   | 21.9   | 21.9   | 21.9   | 21.9   | 25.0   | 25.0   | 28.1   | 29.7   | 32.8   | 32.8   |
| 90°    | 22.4   | 21.8   | 21.1   | 20.8   | 20.2   | 19.1   | 18.0   | 16.9   | 15.8   | 14.3   | 12.7   |
| 92.5°  | 21.3   | 21.1   | 20.9   | 20.8   | 20.2   | 19.1   | 18.0   | 16.9   | 15.8   | 14.5   | 13.2   |
| 95°    | 20.8   | 20.8   | 20.8   | 20.8   | 20.2   | 19.1   | 18.0   | 16.9   | 15.8   | 24.2   | 32.5   |
| 97.5°  | 20.4   | 20.1   | 19.9   | 19.8   | 19.6   | 19.1   | 18.7   | 18.2   | 17.8   | 38.7   | 59.5   |
| 100°   | 22.5   | 23.4   | 24.3   | 24.7   | 41.1   | 73.8   | 106.5  | 139.3  | 172.0  | 171.1  | 170.2  |
| 102.5° | 187.1  | 205.6  | 224.1  | 233.3  | 233.1  | 232.6  | 232.2  | 231.7  | 231.3  | 230.9  | 230.4  |
| 105°   | 294.0  | 294.3  | 294.5  | 294.6  | 294.6  | 294.6  | 294.6  | 294.6  | 294.6  | 294.6  | 294.6  |
| 107.5° | 358.6  | 359.5  | 360.4  | 360.8  | 360.7  | 360.5  | 360.2  | 360.0  | 359.8  | 359.4  | 358.9  |
| 110°   | 422.7  | 422.4  | 422.2  | 422.1  | 422.4  | 423.1  | 423.7  | 424.4  | 425.0  | 424.6  | 424.2  |

TEST NUMBER: P1026755

CATALOG NUMBER: S125DIP-B1270D1090UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 483.2  | 483.7  | 484.1  | 484.3  | 484.7  | 485.6  | 486.5  | 487.4  | 488.3  | 488.1  | 487.9  |
| 115°   | 544.3  | 545.6  | 546.9  | 547.6  | 548.0  | 548.9  | 549.8  | 550.7  | 551.6  | 551.4  | 551.2  |
| 117.5° | 606.8  | 607.2  | 607.7  | 607.9  | 608.6  | 609.9  | 611.2  | 612.5  | 613.8  | 612.9  | 612.1  |
| 120°   | 666.4  | 667.5  | 668.6  | 669.2  | 669.4  | 669.9  | 670.3  | 670.8  | 671.2  | 670.5  | 669.9  |
| 122.5° | 722.2  | 723.5  | 724.8  | 725.5  | 725.7  | 726.2  | 726.6  | 727.1  | 727.5  | 727.3  | 727.1  |
| 125°   | 777.2  | 777.9  | 778.6  | 778.9  | 779.3  | 780.2  | 781.1  | 782.0  | 782.9  | 782.9  | 782.9  |
| 127.5° | 825.9  | 827.7  | 829.4  | 830.3  | 830.5  | 831.0  | 831.4  | 831.9  | 832.3  | 832.5  | 832.7  |
| 130°   | 876.0  | 877.1  | 878.2  | 878.7  | 879.0  | 879.7  | 880.4  | 881.0  | 881.7  | 881.5  | 881.3  |
| 132.5° | 923.4  | 924.5  | 925.6  | 926.2  | 926.2  | 926.2  | 926.2  | 926.2  | 926.2  | 926.9  | 927.5  |
| 135°   | 966.4  | 967.7  | 969.0  | 969.7  | 969.9  | 970.4  | 970.8  | 971.3  | 971.7  | 972.1  | 972.5  |
| 137.5° | 1010.4 | 1011.5 | 1012.6 | 1013.2 | 1013.2 | 1013.2 | 1013.2 | 1013.2 | 1013.2 | 1013.6 | 1014.0 |
| 140°   | 1049.4 | 1050.7 | 1052.0 | 1052.7 | 1052.5 | 1052.0 | 1051.6 | 1051.1 | 1050.7 | 1050.9 | 1051.1 |
| 142.5° | 1086.0 | 1087.3 | 1088.6 | 1089.3 | 1089.3 | 1089.3 | 1089.3 | 1089.3 | 1089.3 | 1088.9 | 1088.4 |
| 145°   | 1121.6 | 1122.9 | 1124.2 | 1124.9 | 1124.8 | 1124.6 | 1124.3 | 1124.1 | 1123.9 | 1123.9 | 1123.9 |
| 147.5° | 1151.7 | 1153.2 | 1154.7 | 1155.5 | 1155.4 | 1155.2 | 1154.9 | 1154.7 | 1154.5 | 1154.3 | 1154.1 |
| 150°   | 1180.8 | 1182.6 | 1184.3 | 1185.2 | 1185.0 | 1184.5 | 1184.1 | 1183.6 | 1183.2 | 1182.8 | 1182.3 |
| 152.5° | 1207.0 | 1208.6 | 1210.1 | 1210.9 | 1210.7 | 1210.2 | 1209.8 | 1209.3 | 1208.9 | 1208.5 | 1208.0 |
| 155°   | 1230.2 | 1232.0 | 1233.7 | 1234.6 | 1234.3 | 1233.6 | 1232.9 | 1232.3 | 1231.6 | 1231.2 | 1230.7 |
| 157.5° | 1250.0 | 1251.7 | 1253.5 | 1254.4 | 1254.1 | 1253.4 | 1252.7 | 1252.1 | 1251.4 | 1251.4 | 1251.4 |
| 160°   | 1268.7 | 1270.5 | 1272.2 | 1273.1 | 1272.7 | 1271.8 | 1270.9 | 1270.1 | 1269.2 | 1269.0 | 1268.8 |
| 162.5° | 1286.0 | 1287.9 | 1289.9 | 1290.9 | 1290.2 | 1288.9 | 1287.6 | 1286.3 | 1285.0 | 1284.8 | 1284.6 |
| 165°   | 1300.4 | 1302.2 | 1303.9 | 1304.8 | 1304.1 | 1302.8 | 1301.5 | 1300.1 | 1298.8 | 1298.6 | 1298.4 |
| 167.5° | 1311.7 | 1313.6 | 1315.6 | 1316.6 | 1315.8 | 1314.3 | 1312.8 | 1311.2 | 1309.7 | 1309.5 | 1309.3 |
| 170°   | 1320.6 | 1322.5 | 1324.5 | 1325.5 | 1324.6 | 1322.9 | 1321.1 | 1319.4 | 1317.6 | 1317.4 | 1317.2 |
| 172.5° | 1326.6 | 1328.5 | 1330.5 | 1331.5 | 1330.7 | 1329.2 | 1327.6 | 1326.1 | 1324.5 | 1324.1 | 1323.7 |
| 175°   | 1331.5 | 1333.4 | 1335.4 | 1336.4 | 1335.5 | 1333.8 | 1332.0 | 1330.3 | 1328.5 | 1328.3 | 1328.1 |
| 177.5° | 1334.0 | 1335.8 | 1337.5 | 1338.4 | 1337.6 | 1336.1 | 1334.6 | 1333.0 | 1331.5 | 1331.3 | 1331.1 |
| 180°   | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 |
| 2.5°   | 1893.8 | 1885.9 | 1876.6 | 1876.6 | 1865.6 | 1860.9 | 1851.6 | 1848.4 | 1840.6 | 1828.1 | 1818.8 |
| 5°     | 1960.9 | 1940.6 | 1928.1 | 1917.2 | 1893.8 | 1876.6 | 1859.4 | 1840.6 | 1821.9 | 1800.0 | 1775.0 |
| 7.5°   | 2026.6 | 1989.1 | 1971.9 | 1953.1 | 1918.8 | 1882.8 | 1848.4 | 1823.4 | 1798.4 | 1764.1 | 1732.8 |
| 10°    | 2095.3 | 2048.4 | 2017.2 | 1992.2 | 1939.1 | 1893.8 | 1843.8 | 1807.8 | 1768.8 | 1725.0 | 1684.4 |
| 12.5°  | 2153.1 | 2092.2 | 2065.6 | 2018.8 | 1957.8 | 1903.1 | 1840.6 | 1785.9 | 1734.4 | 1682.8 | 1632.8 |
| 15°    | 2201.6 | 2143.8 | 2078.1 | 2059.4 | 1975.0 | 1896.9 | 1826.6 | 1756.3 | 1692.2 | 1640.6 | 1582.8 |
| 17.5°  | 2217.2 | 2143.8 | 2110.9 | 2065.6 | 1965.6 | 1884.4 | 1795.3 | 1718.8 | 1657.8 | 1581.3 | 1535.9 |
| 20°    | 2221.9 | 2151.6 | 2106.3 | 2064.1 | 1975.0 | 1867.2 | 1779.7 | 1685.9 | 1612.5 | 1535.9 | 1464.1 |
| 22.5°  | 2209.4 | 2126.6 | 2082.8 | 2042.2 | 1942.2 | 1850.0 | 1748.4 | 1645.3 | 1559.4 | 1489.1 | 1417.2 |
| 25°    | 2185.9 | 2089.1 | 2046.9 | 2003.1 | 1907.8 | 1806.3 | 1695.3 | 1596.9 | 1517.2 | 1432.8 | 1362.5 |
| 27.5°  | 2154.7 | 2043.8 | 1995.3 | 1950.0 | 1856.3 | 1760.9 | 1656.3 | 1554.7 | 1465.6 | 1376.6 | 1310.9 |
| 30°    | 2115.6 | 1987.5 | 1943.8 | 1884.4 | 1793.8 | 1703.1 | 1607.8 | 1506.3 | 1406.3 | 1321.9 | 1250.0 |
| 32.5°  | 2065.6 | 1931.3 | 1873.4 | 1817.2 | 1718.8 | 1635.9 | 1545.3 | 1450.0 | 1353.1 | 1270.3 | 1195.3 |
| 35°    | 2020.3 | 1867.2 | 1803.1 | 1746.9 | 1637.5 | 1550.0 | 1475.0 | 1385.9 | 1300.0 | 1214.1 | 1146.9 |
| 37.5°  | 1959.4 | 1803.1 | 1726.6 | 1668.8 | 1557.8 | 1468.8 | 1398.4 | 1329.7 | 1239.1 | 1156.3 | 1093.8 |
| 40°    | 1895.3 | 1723.4 | 1651.6 | 1593.8 | 1478.1 | 1381.3 | 1314.1 | 1253.1 | 1179.7 | 1103.1 | 1037.5 |
| 42.5°  | 1837.5 | 1646.9 | 1570.3 | 1500.0 | 1382.8 | 1296.9 | 1228.1 | 1181.3 | 1114.1 | 1045.3 | 985.9  |
| 45°    | 1764.1 | 1565.6 | 1482.8 | 1409.4 | 1296.9 | 1203.1 | 1137.5 | 1100.0 | 1050.0 | 982.8  | 931.3  |
| 47.5°  | 1689.1 | 1478.1 | 1392.2 | 1320.3 | 1198.4 | 1115.6 | 1051.6 | 1015.6 | 981.3  | 928.1  | 876.6  |
| 50°    | 1590.6 | 1385.9 | 1307.8 | 1225.0 | 1104.7 | 1020.3 | 967.2  | 931.3  | 904.7  | 867.2  | 823.4  |
| 52.5°  | 1482.8 | 1290.6 | 1206.3 | 1134.4 | 1015.6 | 939.1  | 878.1  | 857.8  | 831.3  | 803.1  | 765.6  |
| 55°    | 1368.8 | 1187.5 | 1106.3 | 1035.9 | 926.6  | 848.4  | 798.4  | 776.6  | 756.3  | 734.4  | 709.4  |
| 57.5°  | 1254.7 | 1079.7 | 1003.1 | 940.6  | 839.1  | 764.1  | 723.4  | 693.8  | 679.7  | 667.2  | 646.9  |
| 60°    | 1112.5 | 964.1  | 904.7  | 848.4  | 748.4  | 679.7  | 640.6  | 618.8  | 606.3  | 600.0  | 590.6  |
| 62.5°  | 987.5  | 865.6  | 800.0  | 745.3  | 665.6  | 604.7  | 567.2  | 550.0  | 539.1  | 535.9  | 525.0  |
| 65°    | 854.7  | 750.0  | 698.4  | 651.6  | 582.8  | 528.1  | 496.9  | 476.6  | 468.8  | 467.2  | 467.2  |
| 67.5°  | 729.7  | 645.3  | 593.8  | 560.9  | 501.6  | 453.1  | 423.4  | 415.6  | 410.9  | 404.7  | 403.1  |
| 70°    | 612.5  | 545.3  | 500.0  | 471.9  | 418.8  | 382.8  | 359.4  | 346.9  | 346.9  | 342.2  | 339.1  |
| 72.5°  | 509.4  | 442.2  | 412.5  | 389.1  | 345.3  | 314.1  | 296.9  | 293.8  | 282.8  | 281.3  | 281.3  |
| 75°    | 398.4  | 348.4  | 328.1  | 307.8  | 275.0  | 253.1  | 239.1  | 231.3  | 225.0  | 225.0  | 226.6  |
| 77.5°  | 300.0  | 265.6  | 246.9  | 231.3  | 207.8  | 193.8  | 182.8  | 179.7  | 173.4  | 173.4  | 173.4  |
| 80°    | 212.5  | 193.8  | 179.7  | 167.2  | 150.0  | 137.5  | 131.3  | 125.0  | 125.0  | 123.4  | 125.0  |
| 82.5°  | 137.5  | 121.9  | 114.1  | 112.5  | 96.9   | 92.2   | 84.4   | 85.9   | 81.3   | 79.7   | 82.8   |
| 85°    | 79.7   | 71.9   | 62.5   | 59.4   | 53.1   | 46.9   | 43.8   | 45.3   | 43.8   | 42.2   | 43.8   |
| 87.5°  | 31.3   | 26.6   | 25.0   | 25.0   | 20.3   | 18.8   | 17.2   | 18.8   | 15.6   | 15.6   | 17.2   |
| 90°    | 11.2   | 9.7    | 8.9    | 8.0    | 6.3    | 4.5    | 2.8    | 1.0    | 2.8    | 4.5    | 6.3    |
| 92.5°  | 11.9   | 10.6   | 9.9    | 10.9   | 12.9   | 14.8   | 16.8   | 18.8   | 16.8   | 14.8   | 12.9   |
| 95°    | 40.9   | 49.2   | 53.4   | 53.7   | 54.4   | 55.0   | 55.7   | 56.3   | 55.7   | 55.0   | 54.4   |
| 97.5°  | 80.4   | 101.3  | 111.7  | 111.0  | 109.7  | 108.4  | 107.1  | 105.8  | 107.1  | 108.4  | 109.7  |
| 100°   | 169.3  | 168.4  | 168.0  | 167.7  | 167.0  | 166.4  | 165.7  | 165.1  | 165.7  | 166.4  | 167.0  |
| 102.5° | 230.0  | 229.5  | 229.3  | 228.9  | 228.0  | 227.1  | 226.3  | 225.4  | 226.3  | 227.1  | 228.0  |
| 105°   | 294.6  | 294.6  | 294.6  | 294.2  | 293.3  | 292.4  | 291.5  | 290.6  | 291.5  | 292.4  | 293.3  |
| 107.5° | 358.5  | 358.0  | 357.8  | 357.8  | 357.8  | 357.8  | 357.8  | 357.8  | 357.8  | 357.8  | 357.8  |
| 110°   | 423.7  | 423.3  | 423.1  | 423.1  | 423.1  | 423.1  | 423.1  | 423.1  | 423.1  | 423.1  | 423.1  |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 487.6  | 487.4  | 487.3  | 487.0  | 486.3  | 485.6  | 485.0  | 484.3  | 485.0  | 485.6  | 486.3  |
| 115°   | 550.9  | 550.7  | 550.6  | 550.0  | 548.9  | 547.8  | 546.7  | 545.6  | 546.7  | 547.8  | 548.9  |
| 117.5° | 611.2  | 610.3  | 609.9  | 609.9  | 609.9  | 609.9  | 609.9  | 609.9  | 609.9  | 609.9  | 609.9  |
| 120°   | 669.2  | 668.5  | 668.2  | 668.3  | 668.5  | 668.8  | 669.0  | 669.2  | 669.0  | 668.8  | 668.5  |
| 122.5° | 726.8  | 726.6  | 726.5  | 726.0  | 724.9  | 723.8  | 722.7  | 721.6  | 722.7  | 723.8  | 724.9  |
| 125°   | 782.9  | 782.9  | 782.9  | 782.1  | 780.6  | 779.0  | 777.5  | 775.9  | 777.5  | 779.0  | 780.6  |
| 127.5° | 833.0  | 833.2  | 833.3  | 832.7  | 831.6  | 830.5  | 829.4  | 828.3  | 829.4  | 830.5  | 831.6  |
| 130°   | 881.0  | 880.8  | 880.7  | 880.2  | 879.1  | 878.0  | 876.9  | 875.8  | 876.9  | 878.0  | 879.1  |
| 132.5° | 928.2  | 928.9  | 929.2  | 928.5  | 927.2  | 925.9  | 924.5  | 923.2  | 924.5  | 925.9  | 927.2  |
| 135°   | 973.0  | 973.4  | 973.6  | 972.9  | 971.6  | 970.3  | 969.0  | 967.7  | 969.0  | 970.3  | 971.6  |
| 137.5° | 1014.5 | 1014.9 | 1015.1 | 1014.4 | 1013.1 | 1011.8 | 1010.5 | 1009.2 | 1010.5 | 1011.8 | 1013.1 |
| 140°   | 1051.4 | 1051.6 | 1051.7 | 1051.5 | 1051.0 | 1050.6 | 1050.1 | 1049.7 | 1050.1 | 1050.6 | 1051.0 |
| 142.5° | 1088.0 | 1087.5 | 1087.3 | 1087.2 | 1087.0 | 1086.7 | 1086.5 | 1086.3 | 1086.5 | 1086.7 | 1087.0 |
| 145°   | 1123.9 | 1123.9 | 1123.9 | 1123.7 | 1123.2 | 1122.8 | 1122.3 | 1121.9 | 1122.3 | 1122.8 | 1123.2 |
| 147.5° | 1153.8 | 1153.6 | 1153.5 | 1153.5 | 1153.5 | 1153.5 | 1153.5 | 1153.5 | 1153.5 | 1153.5 | 1153.5 |
| 150°   | 1181.9 | 1181.4 | 1181.2 | 1181.4 | 1181.9 | 1182.3 | 1182.8 | 1183.2 | 1182.8 | 1182.3 | 1181.9 |
| 152.5° | 1207.6 | 1207.1 | 1206.9 | 1207.5 | 1208.6 | 1209.7 | 1210.8 | 1211.9 | 1210.8 | 1209.7 | 1208.6 |
| 155°   | 1230.3 | 1229.8 | 1229.6 | 1230.3 | 1231.6 | 1232.9 | 1234.3 | 1235.6 | 1234.3 | 1232.9 | 1231.6 |
| 157.5° | 1251.4 | 1251.4 | 1251.4 | 1251.7 | 1252.4 | 1253.1 | 1253.7 | 1254.4 | 1253.7 | 1253.1 | 1252.4 |
| 160°   | 1268.5 | 1268.3 | 1268.2 | 1268.9 | 1270.2 | 1271.5 | 1272.8 | 1274.1 | 1272.8 | 1271.5 | 1270.2 |
| 162.5° | 1284.3 | 1284.1 | 1284.0 | 1284.7 | 1286.0 | 1287.3 | 1288.6 | 1289.9 | 1288.6 | 1287.3 | 1286.0 |
| 165°   | 1298.1 | 1297.9 | 1297.8 | 1298.5 | 1299.8 | 1301.1 | 1302.5 | 1303.8 | 1302.5 | 1301.1 | 1299.8 |
| 167.5° | 1309.0 | 1308.8 | 1308.7 | 1309.4 | 1310.7 | 1312.0 | 1313.4 | 1314.7 | 1313.4 | 1312.0 | 1310.7 |
| 170°   | 1316.9 | 1316.7 | 1316.6 | 1317.4 | 1318.9 | 1320.4 | 1322.0 | 1323.5 | 1322.0 | 1320.4 | 1318.9 |
| 172.5° | 1323.2 | 1322.8 | 1322.6 | 1323.4 | 1324.9 | 1326.4 | 1328.0 | 1329.5 | 1328.0 | 1326.4 | 1324.9 |
| 175°   | 1327.8 | 1327.6 | 1327.5 | 1328.2 | 1329.5 | 1330.8 | 1332.1 | 1333.4 | 1332.1 | 1330.8 | 1329.5 |
| 177.5° | 1330.8 | 1330.6 | 1330.5 | 1331.2 | 1332.5 | 1333.8 | 1335.1 | 1336.4 | 1335.1 | 1333.8 | 1332.5 |
| 180°   | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 |

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**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 |
| 2.5°   | 1815.6 | 1812.5 | 1804.7 | 1800.0 | 1784.4 | 1765.6 | 1759.4 | 1743.8 | 1750.0 | 1739.1 | 1739.1 |
| 5°     | 1767.2 | 1753.1 | 1743.8 | 1729.7 | 1700.0 | 1679.7 | 1657.8 | 1646.9 | 1640.6 | 1632.8 | 1626.6 |
| 7.5°   | 1704.7 | 1693.8 | 1684.4 | 1657.8 | 1625.0 | 1596.9 | 1570.3 | 1559.4 | 1539.1 | 1525.0 | 1518.8 |
| 10°    | 1650.0 | 1634.4 | 1612.5 | 1581.3 | 1546.9 | 1510.9 | 1487.5 | 1464.1 | 1448.4 | 1440.6 | 1423.4 |
| 12.5°  | 1593.8 | 1575.0 | 1551.6 | 1506.3 | 1468.8 | 1446.9 | 1404.7 | 1382.8 | 1375.0 | 1368.8 | 1348.4 |
| 15°    | 1535.9 | 1515.6 | 1487.5 | 1445.3 | 1412.5 | 1360.9 | 1335.9 | 1318.8 | 1300.0 | 1298.4 | 1282.8 |
| 17.5°  | 1484.4 | 1459.4 | 1435.9 | 1384.4 | 1343.8 | 1298.4 | 1284.4 | 1265.6 | 1248.4 | 1229.7 | 1221.9 |
| 20°    | 1418.8 | 1395.3 | 1378.1 | 1321.9 | 1276.6 | 1248.4 | 1225.0 | 1209.4 | 1198.4 | 1179.7 | 1176.6 |
| 22.5°  | 1359.4 | 1334.4 | 1310.9 | 1268.8 | 1229.7 | 1193.8 | 1165.6 | 1148.4 | 1143.8 | 1135.9 | 1121.9 |
| 25°    | 1301.6 | 1276.6 | 1248.4 | 1209.4 | 1168.8 | 1143.8 | 1118.8 | 1107.8 | 1098.4 | 1085.9 | 1075.0 |
| 27.5°  | 1253.1 | 1229.7 | 1203.1 | 1154.7 | 1120.3 | 1101.6 | 1075.0 | 1062.5 | 1050.0 | 1043.8 | 1039.1 |
| 30°    | 1195.3 | 1168.8 | 1148.4 | 1110.9 | 1073.4 | 1048.4 | 1029.7 | 1018.8 | 1007.8 | 1001.6 | 998.4  |
| 32.5°  | 1139.1 | 1114.1 | 1100.0 | 1059.4 | 1029.7 | 1000.0 | 985.9  | 978.1  | 971.9  | 965.6  | 959.4  |
| 35°    | 1093.8 | 1068.8 | 1046.9 | 1009.4 | 979.7  | 959.4  | 948.4  | 935.9  | 931.3  | 925.0  | 925.0  |
| 37.5°  | 1037.5 | 1018.8 | 996.9  | 960.9  | 934.4  | 918.8  | 909.4  | 893.8  | 892.2  | 889.1  | 884.4  |
| 40°    | 989.1  | 970.3  | 950.0  | 918.8  | 895.3  | 876.6  | 864.1  | 856.3  | 851.6  | 848.4  | 845.3  |
| 42.5°  | 937.5  | 917.2  | 907.8  | 871.9  | 851.6  | 832.8  | 826.6  | 818.8  | 817.2  | 810.9  | 803.1  |
| 45°    | 887.5  | 870.3  | 851.6  | 825.0  | 807.8  | 792.2  | 782.8  | 776.6  | 768.8  | 767.2  | 762.5  |
| 47.5°  | 843.8  | 823.4  | 806.3  | 781.3  | 762.5  | 750.0  | 742.2  | 734.4  | 728.1  | 723.4  | 718.8  |
| 50°    | 787.5  | 771.9  | 757.8  | 731.3  | 715.6  | 703.1  | 692.2  | 685.9  | 679.7  | 679.7  | 679.7  |
| 52.5°  | 732.8  | 718.8  | 706.3  | 687.5  | 668.8  | 657.8  | 645.3  | 640.6  | 637.5  | 632.8  | 637.5  |
| 55°    | 679.7  | 665.6  | 653.1  | 639.1  | 617.2  | 607.8  | 595.3  | 590.6  | 592.2  | 592.2  | 596.9  |
| 57.5°  | 623.4  | 612.5  | 604.7  | 587.5  | 567.2  | 557.8  | 550.0  | 545.3  | 545.3  | 551.6  | 553.1  |
| 60°    | 568.8  | 557.8  | 543.8  | 528.1  | 515.6  | 504.7  | 500.0  | 501.6  | 501.6  | 504.7  | 512.5  |
| 62.5°  | 507.8  | 501.6  | 493.8  | 471.9  | 464.1  | 456.3  | 450.0  | 454.7  | 453.1  | 460.9  | 471.9  |
| 65°    | 451.6  | 445.3  | 434.4  | 423.4  | 414.1  | 406.3  | 404.7  | 406.3  | 409.4  | 417.2  | 429.7  |
| 67.5°  | 389.1  | 389.1  | 379.7  | 370.3  | 362.5  | 354.7  | 356.3  | 357.8  | 360.9  | 370.3  | 389.1  |
| 70°    | 337.5  | 331.3  | 321.9  | 315.6  | 309.4  | 306.3  | 303.1  | 309.4  | 318.8  | 325.0  | 339.1  |
| 72.5°  | 281.3  | 276.6  | 268.8  | 262.5  | 260.9  | 257.8  | 256.3  | 259.4  | 268.8  | 279.7  | 295.3  |
| 75°    | 221.9  | 223.4  | 218.8  | 214.1  | 214.1  | 209.4  | 212.5  | 212.5  | 221.9  | 232.8  | 245.3  |
| 77.5°  | 171.9  | 170.3  | 168.8  | 165.6  | 164.1  | 164.1  | 164.1  | 167.2  | 176.6  | 182.8  | 195.3  |
| 80°    | 121.9  | 123.4  | 118.8  | 120.3  | 118.8  | 120.3  | 120.3  | 126.6  | 131.3  | 139.1  | 148.4  |
| 82.5°  | 81.3   | 81.3   | 78.1   | 79.7   | 79.7   | 79.7   | 81.3   | 84.4   | 90.6   | 96.9   | 103.1  |
| 85°    | 45.3   | 46.9   | 43.8   | 46.9   | 46.9   | 46.9   | 48.4   | 50.0   | 54.7   | 56.3   | 62.5   |
| 87.5°  | 17.2   | 20.3   | 20.3   | 17.2   | 18.8   | 20.3   | 21.9   | 20.3   | 23.4   | 26.6   | 28.1   |
| 90°    | 8.0    | 8.9    | 9.7    | 11.2   | 12.7   | 14.3   | 15.8   | 16.9   | 18.0   | 19.1   | 20.2   |
| 92.5°  | 10.9   | 9.9    | 10.6   | 11.9   | 13.2   | 14.5   | 15.8   | 16.9   | 18.0   | 19.1   | 20.2   |
| 95°    | 53.7   | 53.4   | 49.2   | 40.9   | 32.5   | 24.2   | 15.8   | 16.9   | 18.0   | 19.1   | 20.2   |
| 97.5°  | 111.0  | 111.7  | 101.3  | 80.4   | 59.5   | 38.7   | 17.8   | 18.2   | 18.7   | 19.1   | 19.6   |
| 100°   | 167.7  | 168.0  | 168.4  | 169.3  | 170.2  | 171.1  | 172.0  | 139.3  | 106.5  | 73.8   | 41.1   |
| 102.5° | 228.9  | 229.3  | 229.5  | 230.0  | 230.4  | 230.9  | 231.3  | 231.7  | 232.2  | 232.6  | 233.1  |
| 105°   | 294.2  | 294.6  | 294.6  | 294.6  | 294.6  | 294.6  | 294.6  | 294.6  | 294.6  | 294.6  | 294.6  |
| 107.5° | 357.8  | 357.8  | 358.0  | 358.5  | 358.9  | 359.4  | 359.8  | 360.0  | 360.2  | 360.5  | 360.7  |
| 110°   | 423.1  | 423.1  | 423.3  | 423.7  | 424.2  | 424.6  | 425.0  | 424.4  | 423.7  | 423.1  | 422.4  |

TEST NUMBER: P1026755

CATALOG NUMBER: S125DIP-B1270D1090UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 487.0  | 487.3  | 487.4  | 487.6  | 487.9  | 488.1  | 488.3  | 487.4  | 486.5  | 485.6  | 484.7  |
| 115°   | 550.0  | 550.6  | 550.7  | 550.9  | 551.2  | 551.4  | 551.6  | 550.7  | 549.8  | 548.9  | 548.0  |
| 117.5° | 609.9  | 609.9  | 610.3  | 611.2  | 612.1  | 612.9  | 613.8  | 612.5  | 611.2  | 609.9  | 608.6  |
| 120°   | 668.3  | 668.2  | 668.5  | 669.2  | 669.9  | 670.5  | 671.2  | 670.8  | 670.3  | 669.9  | 669.4  |
| 122.5° | 726.0  | 726.5  | 726.6  | 726.8  | 727.1  | 727.3  | 727.5  | 727.1  | 726.6  | 726.2  | 725.7  |
| 125°   | 782.1  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.0  | 781.1  | 780.2  | 779.3  |
| 127.5° | 832.7  | 833.3  | 833.2  | 833.0  | 832.7  | 832.5  | 832.3  | 831.9  | 831.4  | 831.0  | 830.5  |
| 130°   | 880.2  | 880.7  | 880.8  | 881.0  | 881.3  | 881.5  | 881.7  | 881.0  | 880.4  | 879.7  | 879.0  |
| 132.5° | 928.5  | 929.2  | 928.9  | 928.2  | 927.5  | 926.9  | 926.2  | 926.2  | 926.2  | 926.2  | 926.2  |
| 135°   | 972.9  | 973.6  | 973.4  | 973.0  | 972.5  | 972.1  | 971.7  | 971.3  | 970.8  | 970.4  | 969.9  |
| 137.5° | 1014.4 | 1015.1 | 1014.9 | 1014.5 | 1014.0 | 1013.6 | 1013.2 | 1013.2 | 1013.2 | 1013.2 | 1013.2 |
| 140°   | 1051.5 | 1051.7 | 1051.6 | 1051.4 | 1051.1 | 1050.9 | 1050.7 | 1051.1 | 1051.6 | 1052.0 | 1052.5 |
| 142.5° | 1087.2 | 1087.3 | 1087.5 | 1088.0 | 1088.4 | 1088.9 | 1089.3 | 1089.3 | 1089.3 | 1089.3 | 1089.3 |
| 145°   | 1123.7 | 1123.9 | 1123.9 | 1123.9 | 1123.9 | 1123.9 | 1123.9 | 1124.1 | 1124.3 | 1124.6 | 1124.8 |
| 147.5° | 1153.5 | 1153.5 | 1153.6 | 1153.8 | 1154.1 | 1154.3 | 1154.5 | 1154.7 | 1154.9 | 1155.2 | 1155.4 |
| 150°   | 1181.4 | 1181.2 | 1181.4 | 1181.9 | 1182.3 | 1182.8 | 1183.2 | 1183.6 | 1184.1 | 1184.5 | 1185.0 |
| 152.5° | 1207.5 | 1206.9 | 1207.1 | 1207.6 | 1208.0 | 1208.5 | 1208.9 | 1209.3 | 1209.8 | 1210.2 | 1210.7 |
| 155°   | 1230.3 | 1229.6 | 1229.8 | 1230.3 | 1230.7 | 1231.2 | 1231.6 | 1232.3 | 1232.9 | 1233.6 | 1234.3 |
| 157.5° | 1251.7 | 1251.4 | 1251.4 | 1251.4 | 1251.4 | 1251.4 | 1251.4 | 1252.1 | 1252.7 | 1253.4 | 1254.1 |
| 160°   | 1268.9 | 1268.2 | 1268.3 | 1268.5 | 1268.8 | 1269.0 | 1269.2 | 1270.1 | 1270.9 | 1271.8 | 1272.7 |
| 162.5° | 1284.7 | 1284.0 | 1284.1 | 1284.3 | 1284.6 | 1284.8 | 1285.0 | 1286.3 | 1287.6 | 1288.9 | 1290.2 |
| 165°   | 1298.5 | 1297.8 | 1297.9 | 1298.1 | 1298.4 | 1298.6 | 1298.8 | 1300.1 | 1301.5 | 1302.8 | 1304.1 |
| 167.5° | 1309.4 | 1308.7 | 1308.8 | 1309.0 | 1309.3 | 1309.5 | 1309.7 | 1311.2 | 1312.8 | 1314.3 | 1315.8 |
| 170°   | 1317.4 | 1316.6 | 1316.7 | 1316.9 | 1317.2 | 1317.4 | 1317.6 | 1319.4 | 1321.1 | 1322.9 | 1324.6 |
| 172.5° | 1323.4 | 1322.6 | 1322.8 | 1323.2 | 1323.7 | 1324.1 | 1324.5 | 1326.1 | 1327.6 | 1329.2 | 1330.7 |
| 175°   | 1328.2 | 1327.5 | 1327.6 | 1327.8 | 1328.1 | 1328.3 | 1328.5 | 1330.3 | 1332.0 | 1333.8 | 1335.5 |
| 177.5° | 1331.2 | 1330.5 | 1330.6 | 1330.8 | 1331.1 | 1331.3 | 1331.5 | 1333.0 | 1334.6 | 1336.1 | 1337.6 |
| 180°   | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 |

TEST NUMBER: P1026755

CATALOG NUMBER: S125DIP-B1270D1090UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 |
| 2.5°   | 1745.3 | 1734.4 | 1732.8 | 1735.9 | 1729.7 | 1739.1 | 1735.9 | 1739.1 | 1731.3 | 1739.1 | 1734.4 |
| 5°     | 1625.0 | 1621.9 | 1615.6 | 1607.8 | 1609.4 | 1610.9 | 1618.8 | 1610.9 | 1617.2 | 1618.8 | 1626.6 |
| 7.5°   | 1512.5 | 1506.3 | 1510.9 | 1507.8 | 1493.8 | 1490.6 | 1493.8 | 1498.4 | 1507.8 | 1514.1 | 1518.8 |
| 10°    | 1421.9 | 1418.8 | 1412.5 | 1407.8 | 1400.0 | 1395.3 | 1401.6 | 1395.3 | 1407.8 | 1418.8 | 1418.8 |
| 12.5°  | 1353.1 | 1340.6 | 1332.8 | 1331.3 | 1314.1 | 1317.2 | 1323.4 | 1328.1 | 1342.2 | 1348.4 | 1348.4 |
| 15°    | 1281.3 | 1271.9 | 1268.8 | 1262.5 | 1256.3 | 1262.5 | 1259.4 | 1264.1 | 1270.3 | 1276.6 | 1279.7 |
| 17.5°  | 1218.8 | 1217.2 | 1218.8 | 1203.1 | 1207.8 | 1200.0 | 1201.6 | 1209.4 | 1204.7 | 1209.4 | 1218.8 |
| 20°    | 1162.5 | 1165.6 | 1160.9 | 1154.7 | 1154.7 | 1145.3 | 1156.3 | 1153.1 | 1154.7 | 1164.1 | 1178.1 |
| 22.5°  | 1120.3 | 1118.8 | 1114.1 | 1109.4 | 1103.1 | 1104.7 | 1106.3 | 1103.1 | 1115.6 | 1123.4 | 1125.0 |
| 25°    | 1075.0 | 1071.9 | 1070.3 | 1065.6 | 1059.4 | 1065.6 | 1064.1 | 1065.6 | 1068.8 | 1081.3 | 1071.9 |
| 27.5°  | 1032.8 | 1026.6 | 1029.7 | 1025.0 | 1023.4 | 1025.0 | 1025.0 | 1026.6 | 1029.7 | 1031.3 | 1032.8 |
| 30°    | 996.9  | 990.6  | 989.1  | 985.9  | 984.4  | 985.9  | 989.1  | 985.9  | 998.4  | 996.9  | 996.9  |
| 32.5°  | 957.8  | 953.1  | 950.0  | 950.0  | 948.4  | 946.9  | 948.4  | 950.0  | 959.4  | 953.1  | 959.4  |
| 35°    | 920.3  | 917.2  | 917.2  | 914.1  | 912.5  | 912.5  | 912.5  | 918.8  | 915.6  | 920.3  | 920.3  |
| 37.5°  | 884.4  | 884.4  | 882.8  | 879.7  | 878.1  | 879.7  | 878.1  | 881.3  | 879.7  | 881.3  | 882.8  |
| 40°    | 846.9  | 843.8  | 842.2  | 842.2  | 837.5  | 832.8  | 837.5  | 837.5  | 839.1  | 843.8  | 845.3  |
| 42.5°  | 801.6  | 803.1  | 803.1  | 796.9  | 796.9  | 796.9  | 798.4  | 800.0  | 800.0  | 803.1  | 803.1  |
| 45°    | 762.5  | 759.4  | 759.4  | 759.4  | 756.3  | 757.8  | 760.9  | 760.9  | 760.9  | 760.9  | 757.8  |
| 47.5°  | 718.8  | 718.8  | 720.3  | 720.3  | 725.0  | 723.4  | 723.4  | 721.9  | 718.8  | 718.8  | 720.3  |
| 50°    | 678.1  | 682.8  | 684.4  | 684.4  | 685.9  | 687.5  | 687.5  | 684.4  | 682.8  | 678.1  | 678.1  |
| 52.5°  | 639.1  | 642.2  | 645.3  | 650.0  | 653.1  | 651.6  | 651.6  | 648.4  | 642.2  | 640.6  | 639.1  |
| 55°    | 596.9  | 601.6  | 607.8  | 612.5  | 617.2  | 618.8  | 618.8  | 612.5  | 606.3  | 598.4  | 598.4  |
| 57.5°  | 557.8  | 562.5  | 573.4  | 578.1  | 584.4  | 584.4  | 581.3  | 576.6  | 567.2  | 560.9  | 556.3  |
| 60°    | 518.8  | 526.6  | 534.4  | 543.8  | 551.6  | 553.1  | 548.4  | 542.2  | 531.3  | 523.4  | 517.2  |
| 62.5°  | 476.6  | 484.4  | 500.0  | 509.4  | 515.6  | 515.6  | 515.6  | 507.8  | 493.8  | 482.8  | 473.4  |
| 65°    | 435.9  | 443.8  | 457.8  | 470.3  | 475.0  | 479.7  | 475.0  | 467.2  | 456.3  | 443.8  | 434.4  |
| 67.5°  | 393.8  | 403.1  | 417.2  | 426.6  | 432.8  | 437.5  | 434.4  | 428.1  | 414.1  | 396.9  | 390.6  |
| 70°    | 346.9  | 351.6  | 371.9  | 381.3  | 390.6  | 393.8  | 390.6  | 381.3  | 367.2  | 348.4  | 342.2  |
| 72.5°  | 303.1  | 307.8  | 326.6  | 334.4  | 342.2  | 345.3  | 340.6  | 334.4  | 321.9  | 304.7  | 296.9  |
| 75°    | 253.1  | 260.9  | 270.3  | 282.8  | 292.2  | 295.3  | 290.6  | 285.9  | 270.3  | 259.4  | 253.1  |
| 77.5°  | 200.0  | 207.8  | 220.3  | 231.3  | 240.6  | 239.1  | 232.8  | 234.4  | 217.2  | 204.7  | 200.0  |
| 80°    | 151.6  | 157.8  | 167.2  | 176.6  | 181.3  | 181.3  | 179.7  | 173.4  | 167.2  | 157.8  | 150.0  |
| 82.5°  | 104.7  | 112.5  | 120.3  | 126.6  | 126.6  | 128.1  | 125.0  | 123.4  | 117.2  | 109.4  | 107.8  |
| 85°    | 62.5   | 64.1   | 70.3   | 70.3   | 76.6   | 73.4   | 71.9   | 76.6   | 70.3   | 65.6   | 64.1   |
| 87.5°  | 28.1   | 26.6   | 28.1   | 28.1   | 26.6   | 29.7   | 29.7   | 28.1   | 29.7   | 28.1   | 28.1   |
| 90°    | 20.8   | 21.1   | 21.8   | 22.4   | 23.1   | 23.7   | 23.1   | 22.4   | 21.8   | 21.1   | 20.8   |
| 92.5°  | 20.8   | 20.9   | 21.1   | 21.3   | 21.5   | 21.7   | 21.5   | 21.3   | 21.1   | 20.9   | 20.8   |
| 95°    | 20.8   | 20.8   | 20.8   | 20.8   | 20.8   | 20.8   | 20.8   | 20.8   | 20.8   | 20.8   | 20.8   |
| 97.5°  | 19.8   | 19.9   | 20.1   | 20.4   | 20.6   | 20.8   | 20.6   | 20.4   | 20.1   | 19.9   | 19.8   |
| 100°   | 24.7   | 24.3   | 23.4   | 22.5   | 21.7   | 20.8   | 21.7   | 22.5   | 23.4   | 24.3   | 24.7   |
| 102.5° | 233.3  | 224.1  | 205.6  | 187.1  | 168.7  | 150.2  | 168.7  | 187.1  | 205.6  | 224.1  | 233.3  |
| 105°   | 294.6  | 294.5  | 294.3  | 294.0  | 293.8  | 293.6  | 293.8  | 294.0  | 294.3  | 294.5  | 294.6  |
| 107.5° | 360.8  | 360.4  | 359.5  | 358.6  | 357.7  | 356.8  | 357.7  | 358.6  | 359.5  | 360.4  | 360.8  |
| 110°   | 422.1  | 422.2  | 422.4  | 422.7  | 422.9  | 423.1  | 422.9  | 422.7  | 422.4  | 422.2  | 422.1  |

TEST NUMBER: P1026755

CATALOG NUMBER: S125DIP-B1270D1090UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 484.3  | 484.1  | 483.7  | 483.2  | 482.8  | 482.4  | 482.8  | 483.2  | 483.7  | 484.1  | 484.3  |
| 115°   | 547.6  | 546.9  | 545.6  | 544.3  | 543.0  | 541.7  | 543.0  | 544.3  | 545.6  | 546.9  | 547.6  |
| 117.5° | 607.9  | 607.7  | 607.2  | 606.8  | 606.3  | 605.9  | 606.3  | 606.8  | 607.2  | 607.7  | 607.9  |
| 120°   | 669.2  | 668.6  | 667.5  | 666.4  | 665.3  | 664.2  | 665.3  | 666.4  | 667.5  | 668.6  | 669.2  |
| 122.5° | 725.5  | 724.8  | 723.5  | 722.2  | 720.9  | 719.6  | 720.9  | 722.2  | 723.5  | 724.8  | 725.5  |
| 125°   | 778.9  | 778.6  | 777.9  | 777.2  | 776.6  | 775.9  | 776.6  | 777.2  | 777.9  | 778.6  | 778.9  |
| 127.5° | 830.3  | 829.4  | 827.7  | 825.9  | 824.2  | 822.4  | 824.2  | 825.9  | 827.7  | 829.4  | 830.3  |
| 130°   | 878.7  | 878.2  | 877.1  | 876.0  | 874.9  | 873.8  | 874.9  | 876.0  | 877.1  | 878.2  | 878.7  |
| 132.5° | 926.2  | 925.6  | 924.5  | 923.4  | 922.3  | 921.2  | 922.3  | 923.4  | 924.5  | 925.6  | 926.2  |
| 135°   | 969.7  | 969.0  | 967.7  | 966.4  | 965.0  | 963.7  | 965.0  | 966.4  | 967.7  | 969.0  | 969.7  |
| 137.5° | 1013.2 | 1012.6 | 1011.5 | 1010.4 | 1009.3 | 1008.2 | 1009.3 | 1010.4 | 1011.5 | 1012.6 | 1013.2 |
| 140°   | 1052.7 | 1052.0 | 1050.7 | 1049.4 | 1048.1 | 1046.8 | 1048.1 | 1049.4 | 1050.7 | 1052.0 | 1052.7 |
| 142.5° | 1089.3 | 1088.6 | 1087.3 | 1086.0 | 1084.7 | 1083.4 | 1084.7 | 1086.0 | 1087.3 | 1088.6 | 1089.3 |
| 145°   | 1124.9 | 1124.2 | 1122.9 | 1121.6 | 1120.2 | 1118.9 | 1120.2 | 1121.6 | 1122.9 | 1124.2 | 1124.9 |
| 147.5° | 1155.5 | 1154.7 | 1153.2 | 1151.7 | 1150.1 | 1148.6 | 1150.1 | 1151.7 | 1153.2 | 1154.7 | 1155.5 |
| 150°   | 1185.2 | 1184.3 | 1182.6 | 1180.8 | 1179.1 | 1177.3 | 1179.1 | 1180.8 | 1182.6 | 1184.3 | 1185.2 |
| 152.5° | 1210.9 | 1210.1 | 1208.6 | 1207.0 | 1205.5 | 1203.9 | 1205.5 | 1207.0 | 1208.6 | 1210.1 | 1210.9 |
| 155°   | 1234.6 | 1233.7 | 1232.0 | 1230.2 | 1228.5 | 1226.7 | 1228.5 | 1230.2 | 1232.0 | 1233.7 | 1234.6 |
| 157.5° | 1254.4 | 1253.5 | 1251.7 | 1250.0 | 1248.2 | 1246.4 | 1248.2 | 1250.0 | 1251.7 | 1253.5 | 1254.4 |
| 160°   | 1273.1 | 1272.2 | 1270.5 | 1268.7 | 1267.0 | 1265.2 | 1267.0 | 1268.7 | 1270.5 | 1272.2 | 1273.1 |
| 162.5° | 1290.9 | 1289.9 | 1287.9 | 1286.0 | 1284.0 | 1282.0 | 1284.0 | 1286.0 | 1287.9 | 1289.9 | 1290.9 |
| 165°   | 1304.8 | 1303.9 | 1302.2 | 1300.4 | 1298.7 | 1296.9 | 1298.7 | 1300.4 | 1302.2 | 1303.9 | 1304.8 |
| 167.5° | 1316.6 | 1315.6 | 1313.6 | 1311.7 | 1309.7 | 1307.7 | 1309.7 | 1311.7 | 1313.6 | 1315.6 | 1316.6 |
| 170°   | 1325.5 | 1324.5 | 1322.5 | 1320.6 | 1318.6 | 1316.6 | 1318.6 | 1320.6 | 1322.5 | 1324.5 | 1325.5 |
| 172.5° | 1331.5 | 1330.5 | 1328.5 | 1326.6 | 1324.6 | 1322.6 | 1324.6 | 1326.6 | 1328.5 | 1330.5 | 1331.5 |
| 175°   | 1336.4 | 1335.4 | 1333.4 | 1331.5 | 1329.5 | 1327.5 | 1329.5 | 1331.5 | 1333.4 | 1335.4 | 1336.4 |
| 177.5° | 1338.4 | 1337.5 | 1335.8 | 1334.0 | 1332.3 | 1330.5 | 1332.3 | 1334.0 | 1335.8 | 1337.5 | 1338.4 |
| 180°   | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 |

TEST NUMBER: P1026755

CATALOG NUMBER: S125DIP-B1270D1090UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1840.6 |
| 2.5°   | 1748.4 | 1739.1 | 1750.0 | 1735.9 | 1739.1 | 1756.3 | 1754.7 | 1770.3 | 1779.7 | 1778.1 | 1785.9 |
| 5°     | 1632.8 | 1632.8 | 1637.5 | 1635.9 | 1651.6 | 1665.6 | 1684.4 | 1700.0 | 1717.2 | 1726.6 | 1737.5 |
| 7.5°   | 1518.8 | 1534.4 | 1537.5 | 1545.3 | 1564.1 | 1587.5 | 1606.3 | 1629.7 | 1654.7 | 1671.9 | 1684.4 |
| 10°    | 1425.0 | 1437.5 | 1450.0 | 1456.3 | 1476.6 | 1507.8 | 1534.4 | 1571.9 | 1603.1 | 1621.9 | 1639.1 |
| 12.5°  | 1342.2 | 1356.3 | 1362.5 | 1390.6 | 1404.7 | 1425.0 | 1462.5 | 1503.1 | 1537.5 | 1557.8 | 1571.9 |
| 15°    | 1282.8 | 1290.6 | 1304.7 | 1321.9 | 1335.9 | 1360.9 | 1392.2 | 1437.5 | 1470.3 | 1487.5 | 1535.9 |
| 17.5°  | 1232.8 | 1242.2 | 1250.0 | 1257.8 | 1279.7 | 1306.3 | 1335.9 | 1375.0 | 1417.2 | 1446.9 | 1471.9 |
| 20°    | 1181.3 | 1185.9 | 1195.3 | 1207.8 | 1223.4 | 1248.4 | 1275.0 | 1315.6 | 1353.1 | 1376.6 | 1409.4 |
| 22.5°  | 1120.3 | 1134.4 | 1143.8 | 1153.1 | 1170.3 | 1198.4 | 1223.4 | 1253.1 | 1300.0 | 1326.6 | 1360.9 |
| 25°    | 1084.4 | 1090.6 | 1096.9 | 1107.8 | 1120.3 | 1145.3 | 1173.4 | 1204.7 | 1242.2 | 1270.3 | 1300.0 |
| 27.5°  | 1037.5 | 1046.9 | 1054.7 | 1068.8 | 1076.6 | 1096.9 | 1123.4 | 1154.7 | 1200.0 | 1223.4 | 1248.4 |
| 30°    | 998.4  | 1007.8 | 1014.1 | 1020.3 | 1031.3 | 1053.1 | 1078.1 | 1103.1 | 1145.3 | 1175.0 | 1200.0 |
| 32.5°  | 959.4  | 968.8  | 976.6  | 981.3  | 992.2  | 1006.3 | 1026.6 | 1057.8 | 1093.8 | 1114.1 | 1146.9 |
| 35°    | 925.0  | 925.0  | 934.4  | 940.6  | 950.0  | 962.5  | 981.3  | 1004.7 | 1042.2 | 1068.8 | 1098.4 |
| 37.5°  | 885.9  | 887.5  | 895.3  | 900.0  | 909.4  | 921.9  | 940.6  | 962.5  | 993.8  | 1014.1 | 1043.8 |
| 40°    | 845.3  | 850.0  | 853.1  | 860.9  | 871.9  | 876.6  | 895.3  | 920.3  | 951.6  | 970.3  | 995.3  |
| 42.5°  | 804.7  | 807.8  | 815.6  | 821.9  | 831.3  | 839.1  | 851.6  | 875.0  | 898.4  | 926.6  | 946.9  |
| 45°    | 759.4  | 767.2  | 771.9  | 782.8  | 787.5  | 795.3  | 807.8  | 826.6  | 854.7  | 871.9  | 895.3  |
| 47.5°  | 720.3  | 723.4  | 726.6  | 740.6  | 750.0  | 754.7  | 767.2  | 778.1  | 807.8  | 823.4  | 845.3  |
| 50°    | 678.1  | 678.1  | 682.8  | 689.1  | 700.0  | 709.4  | 720.3  | 732.8  | 756.3  | 771.9  | 793.8  |
| 52.5°  | 639.1  | 634.4  | 637.5  | 640.6  | 651.6  | 660.9  | 671.9  | 689.1  | 710.9  | 720.3  | 739.1  |
| 55°    | 596.9  | 589.1  | 593.8  | 598.4  | 601.6  | 614.1  | 626.6  | 637.5  | 654.7  | 668.8  | 685.9  |
| 57.5°  | 551.6  | 550.0  | 546.9  | 548.4  | 556.3  | 564.1  | 573.4  | 587.5  | 607.8  | 618.8  | 628.1  |
| 60°    | 510.9  | 501.6  | 498.4  | 501.6  | 506.3  | 510.9  | 523.4  | 535.9  | 553.1  | 564.1  | 575.0  |
| 62.5°  | 468.8  | 459.4  | 453.1  | 448.4  | 453.1  | 464.1  | 471.9  | 481.3  | 495.3  | 507.8  | 517.2  |
| 65°    | 428.1  | 414.1  | 407.8  | 404.7  | 403.1  | 410.9  | 417.2  | 429.7  | 442.2  | 446.9  | 457.8  |
| 67.5°  | 382.8  | 370.3  | 362.5  | 357.8  | 357.8  | 357.8  | 364.1  | 376.6  | 389.1  | 390.6  | 401.6  |
| 70°    | 337.5  | 323.4  | 315.6  | 309.4  | 306.3  | 309.4  | 317.2  | 318.8  | 329.7  | 332.8  | 339.1  |
| 72.5°  | 289.1  | 276.6  | 267.2  | 259.4  | 260.9  | 264.1  | 264.1  | 267.2  | 273.4  | 281.3  | 281.3  |
| 75°    | 243.8  | 226.6  | 221.9  | 215.6  | 212.5  | 212.5  | 212.5  | 218.8  | 223.4  | 229.7  | 228.1  |
| 77.5°  | 192.2  | 182.8  | 173.4  | 170.3  | 165.6  | 164.1  | 167.2  | 167.2  | 170.3  | 175.0  | 176.6  |
| 80°    | 148.4  | 137.5  | 131.3  | 128.1  | 121.9  | 120.3  | 121.9  | 121.9  | 126.6  | 125.0  | 126.6  |
| 82.5°  | 103.1  | 95.3   | 90.6   | 85.9   | 82.8   | 84.4   | 82.8   | 82.8   | 84.4   | 82.8   | 82.8   |
| 85°    | 59.4   | 57.8   | 54.7   | 53.1   | 51.6   | 48.4   | 51.6   | 50.0   | 48.4   | 46.9   | 50.0   |
| 87.5°  | 28.1   | 26.6   | 26.6   | 23.4   | 23.4   | 21.9   | 23.4   | 23.4   | 21.9   | 21.9   | 21.9   |
| 90°    | 20.2   | 19.1   | 18.0   | 16.9   | 15.8   | 14.3   | 12.7   | 11.2   | 9.7    | 8.9    | 8.0    |
| 92.5°  | 20.2   | 19.1   | 18.0   | 16.9   | 15.8   | 14.5   | 13.2   | 11.9   | 10.6   | 9.9    | 10.9   |
| 95°    | 20.2   | 19.1   | 18.0   | 16.9   | 15.8   | 24.2   | 32.5   | 40.9   | 49.2   | 53.4   | 53.7   |
| 97.5°  | 19.6   | 19.1   | 18.7   | 18.2   | 17.8   | 38.7   | 59.5   | 80.4   | 101.3  | 111.7  | 111.0  |
| 100°   | 41.1   | 73.8   | 106.5  | 139.3  | 172.0  | 171.1  | 170.2  | 169.3  | 168.4  | 168.0  | 167.7  |
| 102.5° | 233.1  | 232.6  | 232.2  | 231.7  | 231.3  | 230.9  | 230.4  | 230.0  | 229.5  | 229.3  | 228.9  |
| 105°   | 294.6  | 294.6  | 294.6  | 294.6  | 294.6  | 294.6  | 294.6  | 294.6  | 294.6  | 294.6  | 294.2  |
| 107.5° | 360.7  | 360.5  | 360.2  | 360.0  | 359.8  | 359.4  | 358.9  | 358.5  | 358.0  | 357.8  | 357.8  |
| 110°   | 422.4  | 423.1  | 423.7  | 424.4  | 425.0  | 424.6  | 424.2  | 423.7  | 423.3  | 423.1  | 423.1  |

TEST NUMBER: P1026755

CATALOG NUMBER: S125DIP-B1270D1090UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 484.7  | 485.6  | 486.5  | 487.4  | 488.3  | 488.1  | 487.9  | 487.6  | 487.4  | 487.3  | 487.0  |
| 115°   | 548.0  | 548.9  | 549.8  | 550.7  | 551.6  | 551.4  | 551.2  | 550.9  | 550.7  | 550.6  | 550.0  |
| 117.5° | 608.6  | 609.9  | 611.2  | 612.5  | 613.8  | 612.9  | 612.1  | 611.2  | 610.3  | 609.9  | 609.9  |
| 120°   | 669.4  | 669.9  | 670.3  | 670.8  | 671.2  | 670.5  | 669.9  | 669.2  | 668.5  | 668.2  | 668.3  |
| 122.5° | 725.7  | 726.2  | 726.6  | 727.1  | 727.5  | 727.3  | 727.1  | 726.8  | 726.6  | 726.5  | 726.0  |
| 125°   | 779.3  | 780.2  | 781.1  | 782.0  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.1  |
| 127.5° | 830.5  | 831.0  | 831.4  | 831.9  | 832.3  | 832.5  | 832.7  | 833.0  | 833.2  | 833.3  | 832.7  |
| 130°   | 879.0  | 879.7  | 880.4  | 881.0  | 881.7  | 881.5  | 881.3  | 881.0  | 880.8  | 880.7  | 880.2  |
| 132.5° | 926.2  | 926.2  | 926.2  | 926.2  | 926.2  | 926.9  | 927.5  | 928.2  | 928.9  | 929.2  | 928.5  |
| 135°   | 969.9  | 970.4  | 970.8  | 971.3  | 971.7  | 972.1  | 972.5  | 973.0  | 973.4  | 973.6  | 972.9  |
| 137.5° | 1013.2 | 1013.2 | 1013.2 | 1013.2 | 1013.2 | 1013.6 | 1014.0 | 1014.5 | 1014.9 | 1015.1 | 1014.4 |
| 140°   | 1052.5 | 1052.0 | 1051.6 | 1051.1 | 1050.7 | 1050.9 | 1051.1 | 1051.4 | 1051.6 | 1051.7 | 1051.5 |
| 142.5° | 1089.3 | 1089.3 | 1089.3 | 1089.3 | 1089.3 | 1088.9 | 1088.4 | 1088.0 | 1087.5 | 1087.3 | 1087.2 |
| 145°   | 1124.8 | 1124.6 | 1124.3 | 1124.1 | 1123.9 | 1123.9 | 1123.9 | 1123.9 | 1123.9 | 1123.9 | 1123.7 |
| 147.5° | 1155.4 | 1155.2 | 1154.9 | 1154.7 | 1154.5 | 1154.3 | 1154.1 | 1153.8 | 1153.6 | 1153.5 | 1153.5 |
| 150°   | 1185.0 | 1184.5 | 1184.1 | 1183.6 | 1183.2 | 1182.8 | 1182.3 | 1181.9 | 1181.4 | 1181.2 | 1181.4 |
| 152.5° | 1210.7 | 1210.2 | 1209.8 | 1209.3 | 1208.9 | 1208.5 | 1208.0 | 1207.6 | 1207.1 | 1206.9 | 1207.5 |
| 155°   | 1234.3 | 1233.6 | 1232.9 | 1232.3 | 1231.6 | 1231.2 | 1230.7 | 1230.3 | 1229.8 | 1229.6 | 1230.3 |
| 157.5° | 1254.1 | 1253.4 | 1252.7 | 1252.1 | 1251.4 | 1251.4 | 1251.4 | 1251.4 | 1251.4 | 1251.4 | 1251.7 |
| 160°   | 1272.7 | 1271.8 | 1270.9 | 1270.1 | 1269.2 | 1269.0 | 1268.8 | 1268.5 | 1268.3 | 1268.2 | 1268.9 |
| 162.5° | 1290.2 | 1288.9 | 1287.6 | 1286.3 | 1285.0 | 1284.8 | 1284.6 | 1284.3 | 1284.1 | 1284.0 | 1284.7 |
| 165°   | 1304.1 | 1302.8 | 1301.5 | 1300.1 | 1298.8 | 1298.6 | 1298.4 | 1298.1 | 1297.9 | 1297.8 | 1298.5 |
| 167.5° | 1315.8 | 1314.3 | 1312.8 | 1311.2 | 1309.7 | 1309.5 | 1309.3 | 1309.0 | 1308.8 | 1308.7 | 1309.4 |
| 170°   | 1324.6 | 1322.9 | 1321.1 | 1319.4 | 1317.6 | 1317.4 | 1317.2 | 1316.9 | 1316.7 | 1316.6 | 1317.4 |
| 172.5° | 1330.7 | 1329.2 | 1327.6 | 1326.1 | 1324.5 | 1324.1 | 1323.7 | 1323.2 | 1322.8 | 1322.6 | 1323.4 |
| 175°   | 1335.5 | 1333.8 | 1332.0 | 1330.3 | 1328.5 | 1328.3 | 1328.1 | 1327.8 | 1327.6 | 1327.5 | 1328.2 |
| 177.5° | 1337.6 | 1336.1 | 1334.6 | 1333.0 | 1331.5 | 1331.3 | 1331.1 | 1330.8 | 1330.6 | 1330.5 | 1331.2 |
| 180°   | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 | 1333.4 |

TEST NUMBER: P1026755

CATALOG NUMBER: S125DIP-B1270D1090UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1840.6 | 1840.6 | 1840.6 | 1840.6 |
| 2.5°   | 1796.9 | 1812.5 | 1823.4 | 1843.8 |
| 5°     | 1756.3 | 1784.4 | 1810.9 | 1839.1 |
| 7.5°   | 1715.6 | 1748.4 | 1790.6 | 1826.6 |
| 10°    | 1670.3 | 1712.5 | 1762.5 | 1810.9 |
| 12.5°  | 1625.0 | 1675.0 | 1729.7 | 1793.8 |
| 15°    | 1570.3 | 1634.4 | 1698.4 | 1767.2 |
| 17.5°  | 1521.9 | 1587.5 | 1656.3 | 1742.2 |
| 20°    | 1467.2 | 1539.1 | 1614.1 | 1701.6 |
| 22.5°  | 1418.8 | 1498.4 | 1576.6 | 1668.8 |
| 25°    | 1364.1 | 1442.2 | 1528.1 | 1626.6 |
| 27.5°  | 1318.8 | 1390.6 | 1475.0 | 1581.3 |
| 30°    | 1264.1 | 1342.2 | 1426.6 | 1532.8 |
| 32.5°  | 1212.5 | 1287.5 | 1376.6 | 1481.3 |
| 35°    | 1159.4 | 1235.9 | 1315.6 | 1415.6 |
| 37.5°  | 1109.4 | 1175.0 | 1254.7 | 1350.0 |
| 40°    | 1053.1 | 1125.0 | 1196.9 | 1271.9 |
| 42.5°  | 1001.6 | 1067.2 | 1134.4 | 1193.8 |
| 45°    | 943.8  | 1000.0 | 1064.1 | 1112.5 |
| 47.5°  | 890.6  | 940.6  | 990.6  | 1028.1 |
| 50°    | 837.5  | 876.6  | 914.1  | 946.9  |
| 52.5°  | 775.0  | 818.8  | 839.1  | 859.4  |
| 55°    | 718.8  | 743.8  | 762.5  | 782.8  |
| 57.5°  | 664.1  | 675.0  | 684.4  | 703.1  |
| 60°    | 592.2  | 604.7  | 615.6  | 629.7  |
| 62.5°  | 529.7  | 535.9  | 539.1  | 553.1  |
| 65°    | 470.3  | 468.8  | 476.6  | 484.4  |
| 67.5°  | 406.3  | 404.7  | 412.5  | 415.6  |
| 70°    | 343.8  | 342.2  | 343.8  | 351.6  |
| 72.5°  | 284.4  | 284.4  | 285.9  | 289.1  |
| 75°    | 229.7  | 229.7  | 231.3  | 234.4  |
| 77.5°  | 173.4  | 176.6  | 175.0  | 181.3  |
| 80°    | 126.6  | 123.4  | 126.6  | 129.7  |
| 82.5°  | 82.8   | 85.9   | 85.9   | 82.8   |
| 85°    | 46.9   | 46.9   | 46.9   | 46.9   |
| 87.5°  | 20.3   | 20.3   | 21.9   | 23.4   |
| 90°    | 6.3    | 4.5    | 2.8    | 1.0    |
| 92.5°  | 12.9   | 14.8   | 16.8   | 18.8   |
| 95°    | 54.4   | 55.0   | 55.7   | 56.3   |
| 97.5°  | 109.7  | 108.4  | 107.1  | 105.8  |
| 100°   | 167.0  | 166.4  | 165.7  | 165.1  |
| 102.5° | 228.0  | 227.1  | 226.3  | 225.4  |
| 105°   | 293.3  | 292.4  | 291.5  | 290.6  |
| 107.5° | 357.8  | 357.8  | 357.8  | 357.8  |
| 110°   | 423.1  | 423.1  | 423.1  | 423.1  |

TEST NUMBER: P1026755

CATALOG NUMBER: S125DIP-B1270D1090UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 112.5° | 486.3  | 485.6  | 485.0  | 484.3  |
| 115°   | 548.9  | 547.8  | 546.7  | 545.6  |
| 117.5° | 609.9  | 609.9  | 609.9  | 609.9  |
| 120°   | 668.5  | 668.8  | 669.0  | 669.2  |
| 122.5° | 724.9  | 723.8  | 722.7  | 721.6  |
| 125°   | 780.6  | 779.0  | 777.5  | 775.9  |
| 127.5° | 831.6  | 830.5  | 829.4  | 828.3  |
| 130°   | 879.1  | 878.0  | 876.9  | 875.8  |
| 132.5° | 927.2  | 925.9  | 924.5  | 923.2  |
| 135°   | 971.6  | 970.3  | 969.0  | 967.7  |
| 137.5° | 1013.1 | 1011.8 | 1010.5 | 1009.2 |
| 140°   | 1051.0 | 1050.6 | 1050.1 | 1049.7 |
| 142.5° | 1087.0 | 1086.7 | 1086.5 | 1086.3 |
| 145°   | 1123.2 | 1122.8 | 1122.3 | 1121.9 |
| 147.5° | 1153.5 | 1153.5 | 1153.5 | 1153.5 |
| 150°   | 1181.9 | 1182.3 | 1182.8 | 1183.2 |
| 152.5° | 1208.6 | 1209.7 | 1210.8 | 1211.9 |
| 155°   | 1231.6 | 1232.9 | 1234.3 | 1235.6 |
| 157.5° | 1252.4 | 1253.1 | 1253.7 | 1254.4 |
| 160°   | 1270.2 | 1271.5 | 1272.8 | 1274.1 |
| 162.5° | 1286.0 | 1287.3 | 1288.6 | 1289.9 |
| 165°   | 1299.8 | 1301.1 | 1302.5 | 1303.8 |
| 167.5° | 1310.7 | 1312.0 | 1313.4 | 1314.7 |
| 170°   | 1318.9 | 1320.4 | 1322.0 | 1323.5 |
| 172.5° | 1324.9 | 1326.4 | 1328.0 | 1329.5 |
| 175°   | 1329.5 | 1330.8 | 1332.1 | 1333.4 |
| 177.5° | 1332.5 | 1333.8 | 1335.1 | 1336.4 |
| 180°   | 1333.4 | 1333.4 | 1333.4 | 1333.4 |

(END OF REPORT)