

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: P1026710

Luminaire Tested: S125DIP-B1090D375UB2750-4F0-XX-W2A-A\_3000K

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1026710  
REPORT IS A COMBINATION OF REPORTS P1001349 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S125DIP-B1090D375UB2750-4F0-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**

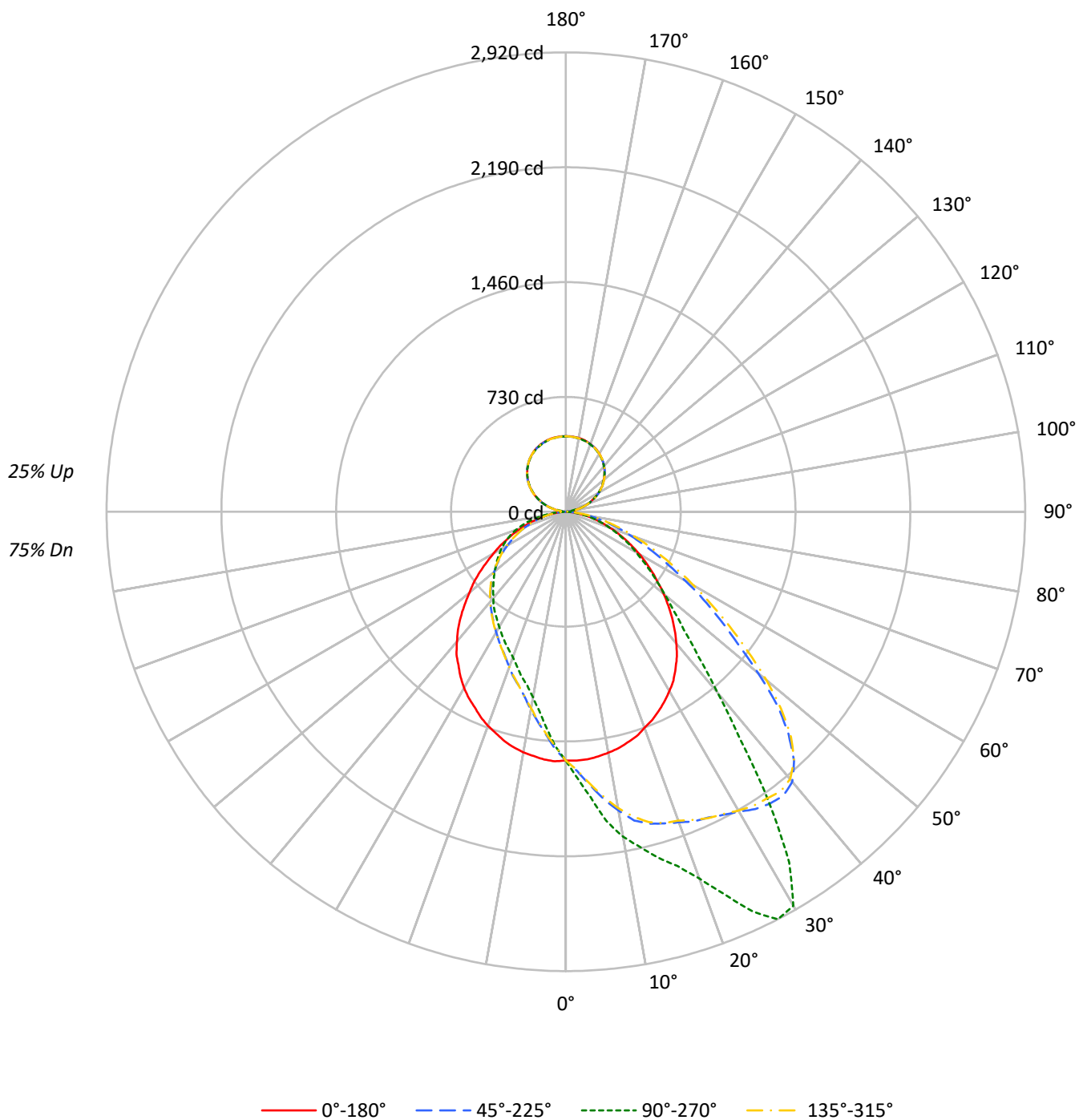
Lumens per Lamp: N/A  
Luminaire Lumens: 5935.0 lumens  
Efficiency: N/A  
Efficacy: 105.8 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52  
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 56.1  
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: P1026710

CATALOG NUMBER: S125DIP-B1090D375UB2750-4F0-XX-W2A-A\_3000K

### Luminous Intensity Polar Plot



TEST NUMBER: P1026710

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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 | 50 | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 113 | 113 | 113 | 113 | 108 | 108 | 108 | 108 | 97 | 97 | 97 | 88 | 88 | 88 | 79 | 79 | 79 | 79 | 79 | 75 |
| 1   | 104 | 99  | 96  | 92  | 99  | 95  | 91  | 88  | 86 | 83 | 81 | 78 | 76 | 74 | 71 | 69 | 68 | 68 | 68 | 64 |
| 2   | 95  | 87  | 81  | 76  | 90  | 83  | 78  | 73  | 76 | 71 | 68 | 69 | 65 | 62 | 63 | 60 | 58 | 58 | 58 | 54 |
| 3   | 87  | 77  | 69  | 64  | 82  | 74  | 67  | 61  | 67 | 62 | 57 | 61 | 57 | 53 | 56 | 52 | 49 | 49 | 49 | 46 |
| 4   | 80  | 68  | 60  | 54  | 75  | 65  | 58  | 52  | 60 | 54 | 49 | 55 | 50 | 46 | 50 | 46 | 43 | 43 | 43 | 40 |
| 5   | 73  | 61  | 53  | 47  | 69  | 59  | 51  | 45  | 54 | 47 | 43 | 49 | 44 | 40 | 45 | 41 | 37 | 37 | 37 | 35 |
| 6   | 68  | 55  | 47  | 41  | 64  | 53  | 45  | 40  | 49 | 42 | 37 | 45 | 39 | 35 | 41 | 36 | 33 | 33 | 33 | 31 |
| 7   | 63  | 50  | 42  | 36  | 59  | 48  | 40  | 35  | 44 | 38 | 33 | 41 | 35 | 31 | 37 | 33 | 29 | 29 | 29 | 27 |
| 8   | 58  | 45  | 37  | 32  | 55  | 44  | 36  | 31  | 40 | 34 | 30 | 37 | 32 | 28 | 34 | 30 | 26 | 26 | 26 | 24 |
| 9   | 54  | 42  | 34  | 29  | 52  | 40  | 33  | 28  | 37 | 31 | 27 | 34 | 29 | 25 | 32 | 27 | 24 | 24 | 24 | 22 |
| 10  | 51  | 38  | 31  | 26  | 48  | 37  | 30  | 25  | 34 | 28 | 24 | 32 | 27 | 23 | 29 | 25 | 22 | 22 | 22 | 20 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 10129 | 10129 | 10129 | 10129 |
| 5°  | 10136 | 11491 | 10145 | 8717  |
| 10° | 10075 | 13096 | 10057 | 7483  |
| 15° | 10001 | 14200 | 9939  | 6761  |
| 20° | 9874  | 15561 | 9784  | 6172  |
| 25° | 9762  | 17830 | 9584  | 5823  |
| 30° | 9601  | 18810 | 9435  | 5508  |
| 35° | 9347  | 15079 | 9151  | 5254  |
| 40° | 8949  | 10422 | 8817  | 4986  |
| 45° | 8447  | 7759  | 8352  | 4764  |
| 50° | 7872  | 6387  | 7741  | 4585  |
| 55° | 7251  | 5448  | 7194  | 4430  |
| 60° | 6642  | 4663  | 6527  | 4310  |
| 65° | 5986  | 4027  | 5889  | 4135  |
| 70° | 5292  | 3343  | 5222  | 3830  |
| 75° | 4558  | 2586  | 4497  | 3324  |
| 80° | 3600  | 1749  | 3471  | 2444  |
| 85° | 2304  | 875   | 2224  | 1246  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 15471 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 152.2  | 2.6       |
| 10°-20°   | 453.2  | 7.6       |
| 20°-30°   | 736.1  | 12.4      |
| 30°-40°   | 899.7  | 15.2      |
| 40°-50°   | 816.1  | 13.8      |
| 50°-60°   | 650.0  | 11.0      |
| 60°-70°   | 452.7  | 7.6       |
| 70°-80°   | 241.2  | 4.1       |
| 80°-90°   | 60.5   | 1.0       |
| 90°-100°  | 16.3   | 0.3       |
| 100°-110° | 108.2  | 1.8       |
| 110°-120° | 194.9  | 3.3       |
| 120°-130° | 250.2  | 4.2       |
| 130°-140° | 269.1  | 4.5       |
| 140°-150° | 252.6  | 4.3       |
| 150°-160° | 204.3  | 3.4       |
| 160°-170° | 132.1  | 2.2       |
| 170°-180° | 45.6   | 0.8       |
| 0°-30°    | 1341.5 | 22.6      |
| 0°-40°    | 2241.2 | 37.8      |
| 0°-60°    | 3707.3 | 62.5      |
| 0°-90°    | 4461.7 | 75.2      |
| 90°-120°  | 319.5  | 5.4       |
| 90°-150°  | 1091.3 | 18.4      |
| 90°-180°  | 1473.0 | 24.8      |
| 0°-180°   | 5935.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1581 | 1581 | 1581 | 1581 | 1581 |      |
| 5°   | 1580 | 1824 | 1581 | 1384 | 1580 | 150  |
| 15°  | 1518 | 2277 | 1508 | 1084 | 1518 | 428  |
| 25°  | 1397 | 2802 | 1372 | 915  | 1397 | 643  |
| 35°  | 1216 | 2249 | 1190 | 784  | 1216 | 759  |
| 45°  | 956  | 1060 | 945  | 651  | 956  | 736  |
| 55°  | 672  | 654  | 667  | 531  | 672  | 601  |
| 65°  | 416  | 401  | 409  | 412  | 416  | 413  |
| 75°  | 201  | 197  | 199  | 254  | 201  | 214  |
| 85°  | 40   | 44   | 39   | 63   | 40   | 48   |
| 90°  | 0    | 8    | 0    | 8    | 0    | 4    |
| 95°  | 20   | 8    | 20   | 8    | 20   | 25   |
| 105° | 104  | 106  | 104  | 106  | 104  | 111  |
| 115° | 196  | 195  | 196  | 195  | 196  | 195  |
| 125° | 279  | 279  | 279  | 279  | 279  | 249  |
| 135° | 348  | 347  | 348  | 347  | 348  | 268  |
| 145° | 404  | 402  | 404  | 402  | 404  | 252  |
| 155° | 444  | 441  | 444  | 441  | 444  | 205  |
| 165° | 469  | 466  | 469  | 466  | 469  | 132  |
| 175° | 480  | 478  | 480  | 478  | 480  | 46   |
| 180° | 480  | 480  | 480  | 480  | 480  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 |
| 2.5°   | 1583.6 | 1593.0 | 1603.7 | 1611.7 | 1625.2 | 1629.2 | 1635.9 | 1639.9 | 1643.9 | 1648.0 | 1650.7 |
| 5°     | 1579.5 | 1602.3 | 1622.5 | 1637.2 | 1662.7 | 1672.1 | 1684.2 | 1699.0 | 1716.4 | 1731.2 | 1740.6 |
| 7.5°   | 1568.8 | 1605.0 | 1631.9 | 1661.4 | 1696.3 | 1719.1 | 1731.2 | 1762.0 | 1790.2 | 1811.7 | 1839.9 |
| 10°    | 1555.4 | 1598.3 | 1639.9 | 1684.2 | 1733.9 | 1759.4 | 1783.5 | 1826.5 | 1865.4 | 1900.3 | 1928.5 |
| 12.5°  | 1540.6 | 1593.0 | 1642.6 | 1700.3 | 1767.4 | 1798.3 | 1814.4 | 1888.2 | 1936.5 | 1955.3 | 2010.3 |
| 15°    | 1517.8 | 1579.5 | 1650.7 | 1721.8 | 1778.1 | 1814.4 | 1858.7 | 1917.7 | 1966.0 | 2007.6 | 2051.9 |
| 17.5°  | 1496.3 | 1563.4 | 1635.9 | 1715.1 | 1796.9 | 1843.9 | 1877.5 | 1929.8 | 1982.1 | 2035.8 | 2077.4 |
| 20°    | 1461.4 | 1548.7 | 1622.5 | 1707.0 | 1803.6 | 1837.2 | 1872.1 | 1933.8 | 1990.2 | 2047.9 | 2100.2 |
| 22.5°  | 1433.3 | 1516.5 | 1617.1 | 1697.6 | 1779.5 | 1813.0 | 1856.0 | 1920.4 | 1987.5 | 2053.3 | 2129.8 |
| 25°    | 1397.0 | 1489.6 | 1576.8 | 1662.7 | 1747.3 | 1783.5 | 1822.4 | 1905.6 | 1975.4 | 2060.0 | 2144.5 |
| 27.5°  | 1358.1 | 1453.4 | 1540.6 | 1618.5 | 1697.6 | 1747.3 | 1788.9 | 1876.1 | 1968.7 | 2061.3 | 2171.4 |
| 30°    | 1316.5 | 1406.4 | 1489.6 | 1566.1 | 1653.3 | 1704.3 | 1745.9 | 1847.9 | 1951.3 | 2069.4 | 2200.9 |
| 32.5°  | 1272.2 | 1356.8 | 1427.9 | 1505.7 | 1598.3 | 1645.3 | 1701.7 | 1813.0 | 1935.2 | 2076.1 | 2241.1 |
| 35°    | 1215.9 | 1296.4 | 1359.4 | 1438.6 | 1531.2 | 1591.6 | 1650.7 | 1775.5 | 1917.7 | 2074.7 | 2264.0 |
| 37.5°  | 1159.5 | 1222.6 | 1283.0 | 1367.5 | 1474.9 | 1529.9 | 1591.6 | 1728.5 | 1890.9 | 2070.7 | 2273.3 |
| 40°    | 1092.4 | 1154.1 | 1206.5 | 1292.3 | 1405.1 | 1468.1 | 1532.6 | 1676.2 | 1860.0 | 2055.9 | 2239.8 |
| 42.5°  | 1025.3 | 1077.6 | 1135.3 | 1225.2 | 1333.9 | 1401.0 | 1469.5 | 1629.2 | 1819.8 | 2013.0 | 2147.2 |
| 45°    | 955.5  | 995.8  | 1058.8 | 1140.7 | 1256.1 | 1320.5 | 1398.4 | 1571.5 | 1763.4 | 1935.2 | 2002.3 |
| 47.5°  | 883.0  | 923.3  | 982.3  | 1061.5 | 1175.6 | 1252.1 | 1325.9 | 1499.0 | 1692.3 | 1825.1 | 1825.1 |
| 50°    | 813.3  | 845.5  | 903.2  | 982.3  | 1097.8 | 1167.5 | 1242.7 | 1426.5 | 1582.2 | 1680.2 | 1593.0 |
| 52.5°  | 738.1  | 774.3  | 822.6  | 905.8  | 1019.9 | 1083.0 | 1164.9 | 1321.9 | 1469.5 | 1509.7 | 1375.5 |
| 55°    | 672.3  | 701.9  | 747.5  | 826.7  | 932.7  | 998.4  | 1068.2 | 1218.5 | 1343.3 | 1340.7 | 1197.1 |
| 57.5°  | 603.9  | 628.1  | 676.4  | 748.8  | 846.8  | 905.8  | 975.6  | 1105.8 | 1207.8 | 1171.6 | 1036.0 |
| 60°    | 540.8  | 558.3  | 605.2  | 664.3  | 758.2  | 813.3  | 880.4  | 986.4  | 1064.2 | 1013.2 | 876.3  |
| 62.5°  | 475.1  | 495.2  | 532.8  | 590.5  | 673.7  | 718.0  | 767.6  | 875.0  | 924.6  | 879.0  | 739.4  |
| 65°    | 416.0  | 432.1  | 465.7  | 514.0  | 589.1  | 629.4  | 672.3  | 760.9  | 807.9  | 742.1  | 626.7  |
| 67.5°  | 357.0  | 375.8  | 399.9  | 442.9  | 501.9  | 539.5  | 577.1  | 653.6  | 675.0  | 616.0  | 519.4  |
| 70°    | 301.9  | 318.1  | 340.9  | 371.7  | 421.4  | 454.9  | 483.1  | 546.2  | 561.0  | 505.9  | 429.4  |
| 72.5°  | 248.3  | 259.0  | 277.8  | 303.3  | 348.9  | 367.7  | 397.2  | 440.2  | 459.0  | 409.3  | 354.3  |
| 75°    | 201.3  | 209.4  | 221.4  | 240.2  | 271.1  | 291.2  | 315.4  | 355.6  | 354.3  | 319.4  | 280.5  |
| 77.5°  | 155.7  | 157.0  | 170.4  | 187.9  | 206.7  | 224.1  | 236.2  | 264.4  | 267.1  | 245.6  | 213.4  |
| 80°    | 111.4  | 115.4  | 120.8  | 134.2  | 150.3  | 157.0  | 171.8  | 189.2  | 191.9  | 175.8  | 154.3  |
| 82.5°  | 71.1   | 73.8   | 77.8   | 85.9   | 96.6   | 104.7  | 112.7  | 119.4  | 126.1  | 116.8  | 99.3   |
| 85°    | 40.3   | 41.6   | 45.6   | 48.3   | 53.7   | 57.7   | 64.4   | 71.1   | 69.8   | 63.1   | 57.7   |
| 87.5°  | 20.1   | 20.1   | 20.1   | 22.8   | 25.5   | 25.5   | 28.2   | 29.5   | 30.9   | 28.2   | 25.5   |
| 90°    | 0.4    | 1.0    | 1.6    | 2.3    | 2.9    | 3.2    | 3.5    | 4.0    | 4.6    | 5.1    | 5.7    |
| 92.5°  | 6.8    | 6.1    | 5.4    | 4.7    | 4.0    | 3.6    | 3.8    | 4.3    | 4.8    | 5.2    | 5.7    |
| 95°    | 20.3   | 20.1   | 19.8   | 19.6   | 19.3   | 19.2   | 17.7   | 14.7   | 11.7   | 8.7    | 5.7    |
| 97.5°  | 38.0   | 38.5   | 39.0   | 39.5   | 40.0   | 40.2   | 36.4   | 28.9   | 21.4   | 13.9   | 6.4    |
| 100°   | 59.4   | 59.6   | 59.8   | 60.1   | 60.3   | 60.4   | 60.6   | 60.9   | 61.2   | 61.6   | 61.9   |
| 102.5° | 81.1   | 81.4   | 81.7   | 82.0   | 82.3   | 82.5   | 82.6   | 82.7   | 82.9   | 83.0   | 83.2   |
| 105°   | 104.5  | 104.8  | 105.1  | 105.4  | 105.7  | 105.9  | 105.9  | 105.9  | 105.9  | 105.9  | 105.9  |
| 107.5° | 128.7  | 128.7  | 128.7  | 128.7  | 128.7  | 128.7  | 128.8  | 128.9  | 129.1  | 129.2  | 129.4  |
| 110°   | 152.2  | 152.2  | 152.2  | 152.2  | 152.2  | 152.2  | 152.3  | 152.4  | 152.6  | 152.7  | 152.9  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 174.2 | 174.4 | 174.7 | 174.9 | 175.2 | 175.3 | 175.3 | 175.4 | 175.5 | 175.5 | 175.6 |
| 115°   | 196.3 | 196.7 | 197.1 | 197.4 | 197.8 | 198.0 | 198.0 | 198.1 | 198.2 | 198.3 | 198.4 |
| 117.5° | 219.4 | 219.4 | 219.4 | 219.4 | 219.4 | 219.4 | 219.6 | 219.9 | 220.2 | 220.5 | 220.8 |
| 120°   | 240.7 | 240.6 | 240.5 | 240.4 | 240.3 | 240.3 | 240.4 | 240.7 | 240.9 | 241.2 | 241.4 |
| 122.5° | 259.5 | 259.9 | 260.3 | 260.7 | 261.1 | 261.3 | 261.3 | 261.4 | 261.5 | 261.6 | 261.7 |
| 125°   | 279.1 | 279.7 | 280.2 | 280.8 | 281.3 | 281.6 | 281.6 | 281.6 | 281.6 | 281.6 | 281.6 |
| 127.5° | 297.9 | 298.3 | 298.7 | 299.1 | 299.5 | 299.7 | 299.7 | 299.6 | 299.5 | 299.5 | 299.4 |
| 130°   | 315.0 | 315.4 | 315.8 | 316.2 | 316.6 | 316.8 | 316.8 | 316.9 | 317.0 | 317.0 | 317.1 |
| 132.5° | 332.1 | 332.6 | 333.0 | 333.5 | 334.0 | 334.2 | 334.1 | 333.8 | 333.6 | 333.3 | 333.1 |
| 135°   | 348.1 | 348.6 | 349.0 | 349.5 | 350.0 | 350.2 | 350.1 | 350.0 | 349.8 | 349.7 | 349.5 |
| 137.5° | 363.0 | 363.5 | 363.9 | 364.4 | 364.9 | 365.1 | 365.0 | 364.9 | 364.7 | 364.6 | 364.4 |
| 140°   | 377.6 | 377.8 | 377.9 | 378.1 | 378.2 | 378.3 | 378.3 | 378.2 | 378.1 | 378.0 | 377.9 |
| 142.5° | 390.7 | 390.8 | 390.9 | 391.0 | 391.1 | 391.1 | 391.2 | 391.3 | 391.5 | 391.6 | 391.8 |
| 145°   | 403.5 | 403.7 | 403.8 | 404.0 | 404.1 | 404.2 | 404.2 | 404.2 | 404.2 | 404.2 | 404.2 |
| 147.5° | 414.9 | 414.9 | 414.9 | 414.9 | 414.9 | 414.9 | 414.9 | 415.0 | 415.1 | 415.2 | 415.3 |
| 150°   | 425.6 | 425.4 | 425.3 | 425.1 | 425.0 | 424.9 | 425.0 | 425.1 | 425.3 | 425.4 | 425.6 |
| 152.5° | 435.9 | 435.5 | 435.1 | 434.7 | 434.3 | 434.1 | 434.2 | 434.3 | 434.5 | 434.6 | 434.8 |
| 155°   | 444.4 | 443.9 | 443.5 | 443.0 | 442.5 | 442.3 | 442.4 | 442.5 | 442.7 | 442.8 | 443.0 |
| 157.5° | 451.2 | 451.0 | 450.7 | 450.5 | 450.2 | 450.1 | 450.1 | 450.1 | 450.1 | 450.1 | 450.1 |
| 160°   | 458.3 | 457.8 | 457.4 | 456.9 | 456.4 | 456.2 | 456.2 | 456.3 | 456.4 | 456.4 | 456.5 |
| 162.5° | 464.0 | 463.5 | 463.0 | 462.5 | 462.0 | 461.8 | 461.8 | 461.9 | 462.0 | 462.1 | 462.2 |
| 165°   | 469.0 | 468.5 | 468.0 | 467.5 | 467.0 | 466.8 | 466.8 | 466.9 | 467.0 | 467.1 | 467.2 |
| 167.5° | 472.9 | 472.4 | 471.9 | 471.4 | 470.9 | 470.7 | 470.7 | 470.8 | 470.9 | 471.0 | 471.1 |
| 170°   | 476.1 | 475.5 | 475.0 | 474.4 | 473.9 | 473.6 | 473.6 | 473.7 | 473.8 | 473.8 | 473.9 |
| 172.5° | 478.2 | 477.6 | 477.1 | 476.5 | 476.0 | 475.7 | 475.8 | 475.9 | 476.1 | 476.2 | 476.4 |
| 175°   | 479.6 | 479.1 | 478.7 | 478.2 | 477.7 | 477.5 | 477.5 | 477.6 | 477.7 | 477.7 | 477.8 |
| 177.5° | 480.7 | 480.2 | 479.8 | 479.3 | 478.8 | 478.6 | 478.6 | 478.7 | 478.8 | 478.8 | 478.9 |
| 180°   | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 |
| 2.5°   | 1653.3 | 1662.7 | 1670.8 | 1677.5 | 1682.9 | 1690.9 | 1685.6 | 1686.9 | 1689.6 | 1694.9 | 1694.9 |
| 5°     | 1760.7 | 1775.5 | 1783.5 | 1810.4 | 1817.1 | 1815.7 | 1811.7 | 1833.2 | 1831.8 | 1823.8 | 1822.4 |
| 7.5°   | 1865.4 | 1890.9 | 1913.7 | 1935.2 | 1941.9 | 1959.3 | 1963.3 | 1972.7 | 1970.1 | 1983.5 | 1976.8 |
| 10°    | 1960.7 | 2000.9 | 2022.4 | 2054.6 | 2062.7 | 2070.7 | 2081.4 | 2086.8 | 2098.9 | 2097.5 | 2097.5 |
| 12.5°  | 2034.5 | 2082.8 | 2111.0 | 2119.0 | 2149.9 | 2159.3 | 2168.7 | 2186.1 | 2182.1 | 2183.4 | 2191.5 |
| 15°    | 2092.2 | 2139.1 | 2163.3 | 2200.9 | 2222.4 | 2233.1 | 2249.2 | 2268.0 | 2265.3 | 2277.4 | 2274.7 |
| 17.5°  | 2135.1 | 2179.4 | 2223.7 | 2280.1 | 2281.4 | 2309.6 | 2347.2 | 2355.2 | 2372.7 | 2360.6 | 2360.6 |
| 20°    | 2170.0 | 2229.1 | 2292.1 | 2364.6 | 2372.7 | 2390.1 | 2435.7 | 2466.6 | 2486.7 | 2480.0 | 2484.0 |
| 22.5°  | 2207.6 | 2292.1 | 2365.9 | 2438.4 | 2477.3 | 2508.2 | 2552.5 | 2600.8 | 2618.2 | 2629.0 | 2626.3 |
| 25°    | 2255.9 | 2344.5 | 2453.2 | 2553.8 | 2594.1 | 2653.1 | 2712.2 | 2759.1 | 2772.6 | 2802.1 | 2775.3 |
| 27.5°  | 2305.6 | 2430.4 | 2565.9 | 2684.0 | 2735.0 | 2783.3 | 2854.4 | 2889.3 | 2906.8 | 2920.2 | 2910.8 |
| 30°    | 2347.2 | 2518.9 | 2666.6 | 2775.3 | 2811.5 | 2839.7 | 2879.9 | 2888.0 | 2881.3 | 2892.0 | 2905.4 |
| 32.5°  | 2411.6 | 2579.3 | 2704.1 | 2756.5 | 2752.4 | 2751.1 | 2720.2 | 2677.3 | 2667.9 | 2642.4 | 2677.3 |
| 35°    | 2446.5 | 2580.7 | 2629.0 | 2559.2 | 2531.0 | 2480.0 | 2382.0 | 2317.6 | 2261.3 | 2249.2 | 2251.9 |
| 37.5°  | 2426.3 | 2478.7 | 2421.0 | 2237.1 | 2191.5 | 2113.6 | 1983.5 | 1892.2 | 1850.6 | 1818.4 | 1860.0 |
| 40°    | 2317.6 | 2259.9 | 2101.6 | 1877.5 | 1811.7 | 1737.9 | 1615.8 | 1566.1 | 1507.1 | 1495.0 | 1550.0 |
| 42.5°  | 2137.8 | 1962.0 | 1737.9 | 1564.8 | 1496.3 | 1454.7 | 1352.7 | 1305.8 | 1264.2 | 1245.4 | 1276.2 |
| 45°    | 1893.6 | 1680.2 | 1454.7 | 1312.5 | 1254.8 | 1205.1 | 1144.7 | 1095.1 | 1068.2 | 1060.2 | 1085.7 |
| 47.5°  | 1641.3 | 1415.8 | 1236.0 | 1130.0 | 1069.6 | 1032.0 | 975.6  | 947.5  | 926.0  | 928.7  | 932.7  |
| 50°    | 1399.7 | 1194.4 | 1056.2 | 950.1  | 920.6  | 891.1  | 853.5  | 829.4  | 818.6  | 822.6  | 820.0  |
| 52.5°  | 1191.7 | 1025.3 | 908.5  | 826.7  | 813.3  | 785.1  | 754.2  | 734.1  | 730.0  | 731.4  | 735.4  |
| 55°    | 1009.2 | 879.0  | 786.4  | 727.4  | 712.6  | 692.5  | 673.7  | 660.3  | 649.5  | 653.6  | 652.2  |
| 57.5°  | 871.0  | 756.9  | 685.8  | 637.4  | 626.7  | 614.6  | 597.2  | 590.5  | 586.5  | 578.4  | 585.1  |
| 60°    | 748.8  | 656.2  | 594.5  | 565.0  | 555.6  | 547.5  | 528.7  | 520.7  | 518.0  | 514.0  | 524.7  |
| 62.5°  | 633.4  | 567.7  | 520.7  | 493.9  | 484.5  | 476.4  | 467.0  | 460.3  | 461.6  | 456.3  | 461.6  |
| 65°    | 542.2  | 488.5  | 454.9  | 430.8  | 418.7  | 413.3  | 412.0  | 401.3  | 399.9  | 401.3  | 402.6  |
| 67.5°  | 457.6  | 412.0  | 386.5  | 371.7  | 362.3  | 357.0  | 352.9  | 346.2  | 351.6  | 347.6  | 350.3  |
| 70°    | 381.1  | 350.3  | 323.4  | 308.7  | 304.6  | 306.0  | 299.3  | 296.6  | 297.9  | 295.2  | 297.9  |
| 72.5°  | 307.3  | 281.8  | 271.1  | 260.3  | 255.0  | 253.6  | 249.6  | 245.6  | 249.6  | 248.3  | 248.3  |
| 75°    | 245.6  | 226.8  | 214.7  | 208.0  | 208.0  | 205.3  | 198.6  | 198.6  | 198.6  | 197.3  | 198.6  |
| 77.5°  | 189.2  | 173.1  | 167.7  | 161.0  | 161.0  | 157.0  | 155.7  | 155.7  | 153.0  | 157.0  | 154.3  |
| 80°    | 140.9  | 128.8  | 120.8  | 116.8  | 116.8  | 115.4  | 112.7  | 111.4  | 112.7  | 111.4  | 111.4  |
| 82.5°  | 91.3   | 85.9   | 81.9   | 77.8   | 76.5   | 77.8   | 76.5   | 73.8   | 75.2   | 73.8   | 76.5   |
| 85°    | 52.3   | 47.0   | 47.0   | 44.3   | 45.6   | 42.9   | 44.3   | 41.6   | 40.3   | 44.3   | 41.6   |
| 87.5°  | 22.8   | 21.5   | 21.5   | 18.8   | 18.8   | 18.8   | 17.4   | 18.8   | 17.4   | 16.1   | 17.4   |
| 90°    | 6.1    | 6.5    | 6.9    | 7.3    | 7.5    | 7.6    | 7.8    | 8.1    | 8.3    | 8.5    | 8.3    |
| 92.5°  | 6.1    | 6.5    | 6.9    | 7.3    | 7.5    | 7.5    | 7.6    | 7.7    | 7.7    | 7.8    | 7.7    |
| 95°    | 6.1    | 6.5    | 6.9    | 7.3    | 7.5    | 7.5    | 7.5    | 7.5    | 7.5    | 7.5    | 7.5    |
| 97.5°  | 6.6    | 6.7    | 6.9    | 7.0    | 7.1    | 7.1    | 7.2    | 7.3    | 7.4    | 7.5    | 7.4    |
| 100°   | 50.1   | 38.3   | 26.6   | 14.8   | 8.9    | 8.7    | 8.4    | 8.1    | 7.8    | 7.5    | 7.8    |
| 102.5° | 83.4   | 83.5   | 83.7   | 83.8   | 83.9   | 80.6   | 73.9   | 67.3   | 60.6   | 54.0   | 60.6   |
| 105°   | 105.9  | 105.9  | 105.9  | 105.9  | 105.9  | 105.9  | 105.8  | 105.7  | 105.7  | 105.6  | 105.7  |
| 107.5° | 129.5  | 129.6  | 129.7  | 129.8  | 129.8  | 129.6  | 129.3  | 129.0  | 128.6  | 128.3  | 128.6  |
| 110°   | 152.7  | 152.4  | 152.2  | 151.9  | 151.8  | 151.8  | 151.9  | 152.0  | 152.1  | 152.2  | 152.1  |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 175.3 | 175.0 | 174.7 | 174.4 | 174.2 | 174.1 | 174.0 | 173.8 | 173.7 | 173.5 | 173.7 |
| 115°   | 198.1 | 197.8 | 197.5 | 197.2 | 197.0 | 196.8 | 196.3 | 195.8 | 195.3 | 194.8 | 195.3 |
| 117.5° | 220.3 | 219.9 | 219.4 | 218.9 | 218.7 | 218.6 | 218.4 | 218.3 | 218.1 | 217.9 | 218.1 |
| 120°   | 241.2 | 241.1 | 240.9 | 240.8 | 240.7 | 240.5 | 240.1 | 239.7 | 239.3 | 238.9 | 239.3 |
| 122.5° | 261.5 | 261.4 | 261.2 | 261.1 | 261.0 | 260.8 | 260.3 | 259.8 | 259.3 | 258.8 | 259.3 |
| 125°   | 281.3 | 281.0 | 280.7 | 280.4 | 280.2 | 280.1 | 279.8 | 279.6 | 279.3 | 279.1 | 279.3 |
| 127.5° | 299.2 | 299.1 | 298.9 | 298.8 | 298.7 | 298.4 | 297.7 | 297.1 | 296.4 | 295.8 | 296.4 |
| 130°   | 316.9 | 316.7 | 316.4 | 316.2 | 316.1 | 315.9 | 315.5 | 315.1 | 314.7 | 314.3 | 314.7 |
| 132.5° | 333.1 | 333.1 | 333.1 | 333.1 | 333.1 | 332.9 | 332.5 | 332.2 | 331.8 | 331.4 | 331.8 |
| 135°   | 349.3 | 349.2 | 349.0 | 348.9 | 348.8 | 348.6 | 348.1 | 347.6 | 347.1 | 346.6 | 347.1 |
| 137.5° | 364.4 | 364.4 | 364.4 | 364.4 | 364.4 | 364.2 | 363.8 | 363.4 | 363.0 | 362.6 | 363.0 |
| 140°   | 378.1 | 378.2 | 378.4 | 378.5 | 378.6 | 378.4 | 377.9 | 377.4 | 377.0 | 376.5 | 377.0 |
| 142.5° | 391.8 | 391.8 | 391.8 | 391.8 | 391.8 | 391.6 | 391.1 | 390.6 | 390.2 | 389.7 | 390.2 |
| 145°   | 404.3 | 404.4 | 404.5 | 404.6 | 404.6 | 404.4 | 403.9 | 403.4 | 403.0 | 402.5 | 403.0 |
| 147.5° | 415.4 | 415.4 | 415.5 | 415.6 | 415.6 | 415.3 | 414.8 | 414.2 | 413.7 | 413.1 | 413.7 |
| 150°   | 425.8 | 425.9 | 426.1 | 426.2 | 426.3 | 426.0 | 425.3 | 424.7 | 424.0 | 423.4 | 424.0 |
| 152.5° | 435.0 | 435.1 | 435.3 | 435.4 | 435.5 | 435.2 | 434.7 | 434.1 | 433.6 | 433.0 | 433.6 |
| 155°   | 443.2 | 443.5 | 443.7 | 444.0 | 444.1 | 443.8 | 443.1 | 442.5 | 441.8 | 441.2 | 441.8 |
| 157.5° | 450.3 | 450.6 | 450.8 | 451.1 | 451.2 | 450.9 | 450.2 | 449.6 | 448.9 | 448.3 | 448.9 |
| 160°   | 456.8 | 457.1 | 457.4 | 457.7 | 457.9 | 457.6 | 457.0 | 456.3 | 455.7 | 455.1 | 455.7 |
| 162.5° | 462.7 | 463.1 | 463.6 | 464.1 | 464.3 | 463.9 | 463.2 | 462.5 | 461.8 | 461.1 | 461.8 |
| 165°   | 467.7 | 468.1 | 468.6 | 469.1 | 469.3 | 469.0 | 468.4 | 467.7 | 467.1 | 466.5 | 467.1 |
| 167.5° | 471.7 | 472.2 | 472.8 | 473.3 | 473.6 | 473.2 | 472.5 | 471.8 | 471.1 | 470.4 | 471.1 |
| 170°   | 474.5 | 475.2 | 475.8 | 476.5 | 476.8 | 476.4 | 475.7 | 475.0 | 474.3 | 473.6 | 474.3 |
| 172.5° | 477.0 | 477.5 | 478.1 | 478.6 | 478.9 | 478.5 | 477.8 | 477.1 | 476.4 | 475.7 | 476.4 |
| 175°   | 478.4 | 479.1 | 479.7 | 480.4 | 480.7 | 480.3 | 479.6 | 478.9 | 478.2 | 477.5 | 478.2 |
| 177.5° | 479.5 | 480.0 | 480.6 | 481.1 | 481.4 | 481.1 | 480.5 | 479.8 | 479.2 | 478.6 | 479.2 |
| 180°   | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 |

TEST NUMBER: P1026710

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**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 |
| 2.5°   | 1692.3 | 1682.9 | 1685.6 | 1682.9 | 1676.2 | 1672.1 | 1661.4 | 1648.0 | 1642.6 | 1635.9 | 1631.9 |
| 5°     | 1827.8 | 1821.1 | 1819.8 | 1809.0 | 1806.3 | 1790.2 | 1763.4 | 1750.0 | 1733.9 | 1717.8 | 1701.7 |
| 7.5°   | 1975.4 | 1967.4 | 1940.5 | 1936.5 | 1939.2 | 1919.1 | 1884.2 | 1857.3 | 1823.8 | 1801.0 | 1770.1 |
| 10°    | 2097.5 | 2081.4 | 2058.6 | 2060.0 | 2050.6 | 2023.7 | 1988.8 | 1960.7 | 1912.3 | 1882.8 | 1838.5 |
| 12.5°  | 2171.4 | 2157.9 | 2155.3 | 2141.8 | 2133.8 | 2098.9 | 2057.3 | 2021.1 | 1984.8 | 1944.6 | 1911.0 |
| 15°    | 2261.3 | 2243.8 | 2231.7 | 2213.0 | 2207.6 | 2171.4 | 2125.7 | 2084.1 | 2042.5 | 2004.9 | 1933.8 |
| 17.5°  | 2360.6 | 2341.8 | 2296.2 | 2292.1 | 2259.9 | 2225.0 | 2180.7 | 2119.0 | 2074.7 | 2021.1 | 1968.7 |
| 20°    | 2473.3 | 2446.5 | 2387.4 | 2372.7 | 2347.2 | 2289.5 | 2229.1 | 2160.6 | 2089.5 | 2034.5 | 1972.7 |
| 22.5°  | 2599.5 | 2552.5 | 2509.5 | 2462.6 | 2443.8 | 2372.7 | 2289.5 | 2206.2 | 2120.4 | 2045.2 | 1971.4 |
| 25°    | 2763.2 | 2701.4 | 2641.1 | 2594.1 | 2561.9 | 2469.3 | 2357.9 | 2247.8 | 2148.5 | 2050.6 | 1954.0 |
| 27.5°  | 2892.0 | 2838.3 | 2772.6 | 2710.8 | 2669.2 | 2559.2 | 2431.7 | 2289.5 | 2166.0 | 2046.5 | 1943.2 |
| 30°    | 2901.4 | 2885.3 | 2845.0 | 2811.5 | 2765.9 | 2647.8 | 2506.9 | 2345.8 | 2192.8 | 2047.9 | 1921.7 |
| 32.5°  | 2725.6 | 2757.8 | 2775.3 | 2780.6 | 2771.2 | 2702.8 | 2574.0 | 2396.8 | 2217.0 | 2035.8 | 1903.0 |
| 35°    | 2347.2 | 2433.0 | 2539.1 | 2579.3 | 2618.2 | 2654.5 | 2587.4 | 2433.0 | 2225.0 | 2033.1 | 1873.4 |
| 37.5°  | 1932.5 | 2010.3 | 2186.1 | 2266.6 | 2312.3 | 2455.9 | 2510.9 | 2427.7 | 2241.1 | 2035.8 | 1845.2 |
| 40°    | 1559.4 | 1682.9 | 1809.0 | 1917.7 | 1988.8 | 2149.9 | 2320.3 | 2339.1 | 2218.3 | 2010.3 | 1809.0 |
| 42.5°  | 1312.5 | 1384.9 | 1480.2 | 1580.9 | 1643.9 | 1834.5 | 2065.3 | 2200.9 | 2147.2 | 1968.7 | 1764.7 |
| 45°    | 1117.9 | 1171.6 | 1261.5 | 1295.0 | 1375.5 | 1558.1 | 1802.3 | 1998.2 | 2025.1 | 1903.0 | 1713.7 |
| 47.5°  | 959.5  | 1005.2 | 1062.9 | 1104.5 | 1168.9 | 1305.8 | 1512.4 | 1728.5 | 1857.3 | 1813.0 | 1642.6 |
| 50°    | 845.5  | 883.0  | 931.3  | 955.5  | 997.1  | 1120.6 | 1276.2 | 1491.0 | 1664.1 | 1678.8 | 1550.0 |
| 52.5°  | 750.2  | 771.6  | 809.2  | 836.1  | 869.6  | 944.8  | 1085.7 | 1262.8 | 1457.4 | 1537.9 | 1435.9 |
| 55°    | 667.0  | 684.4  | 718.0  | 735.4  | 752.9  | 817.3  | 927.3  | 1088.4 | 1270.9 | 1376.9 | 1319.2 |
| 57.5°  | 591.8  | 606.6  | 634.8  | 650.9  | 660.3  | 722.0  | 806.5  | 932.7  | 1096.4 | 1225.2 | 1193.0 |
| 60°    | 530.1  | 543.5  | 559.6  | 571.7  | 582.4  | 633.4  | 692.5  | 794.5  | 940.7  | 1065.5 | 1057.5 |
| 62.5°  | 464.3  | 476.4  | 493.9  | 505.9  | 515.3  | 547.5  | 597.2  | 675.0  | 799.8  | 915.2  | 938.1  |
| 65°    | 406.6  | 416.0  | 428.1  | 433.5  | 445.5  | 469.7  | 510.0  | 579.7  | 681.7  | 785.1  | 801.2  |
| 67.5°  | 354.3  | 357.0  | 365.0  | 377.1  | 379.8  | 401.3  | 437.5  | 489.8  | 569.0  | 653.6  | 679.1  |
| 70°    | 297.9  | 301.9  | 308.7  | 318.1  | 323.4  | 336.8  | 367.7  | 402.6  | 471.0  | 544.9  | 563.6  |
| 72.5°  | 248.3  | 253.6  | 256.3  | 261.7  | 264.4  | 285.8  | 299.3  | 334.2  | 381.1  | 442.9  | 463.0  |
| 75°    | 201.3  | 206.7  | 208.0  | 210.7  | 213.4  | 222.8  | 241.6  | 263.0  | 301.9  | 342.2  | 369.0  |
| 77.5°  | 159.7  | 158.4  | 161.0  | 165.1  | 163.7  | 171.8  | 183.9  | 202.6  | 228.1  | 261.7  | 279.1  |
| 80°    | 112.7  | 112.7  | 116.8  | 120.8  | 119.4  | 127.5  | 131.5  | 144.9  | 166.4  | 187.9  | 194.6  |
| 82.5°  | 75.2   | 75.2   | 79.2   | 79.2   | 81.9   | 83.2   | 88.6   | 95.3   | 112.7  | 123.5  | 127.5  |
| 85°    | 42.9   | 42.9   | 44.3   | 44.3   | 44.3   | 47.0   | 51.0   | 53.7   | 59.0   | 65.8   | 68.4   |
| 87.5°  | 17.4   | 18.8   | 18.8   | 18.8   | 18.8   | 21.5   | 21.5   | 24.2   | 25.5   | 28.2   | 28.2   |
| 90°    | 8.1    | 7.8    | 7.6    | 7.5    | 7.3    | 6.9    | 6.5    | 6.1    | 5.7    | 5.1    | 4.6    |
| 92.5°  | 7.7    | 7.6    | 7.5    | 7.5    | 7.3    | 6.9    | 6.5    | 6.1    | 5.7    | 5.2    | 4.8    |
| 95°    | 7.5    | 7.5    | 7.5    | 7.5    | 7.3    | 6.9    | 6.5    | 6.1    | 5.7    | 8.7    | 11.7   |
| 97.5°  | 7.3    | 7.2    | 7.1    | 7.1    | 7.0    | 6.9    | 6.7    | 6.6    | 6.4    | 13.9   | 21.4   |
| 100°   | 8.1    | 8.4    | 8.7    | 8.9    | 14.8   | 26.6   | 38.3   | 50.1   | 61.9   | 61.6   | 61.2   |
| 102.5° | 67.3   | 73.9   | 80.6   | 83.9   | 83.8   | 83.7   | 83.5   | 83.4   | 83.2   | 83.0   | 82.9   |
| 105°   | 105.7  | 105.8  | 105.9  | 105.9  | 105.9  | 105.9  | 105.9  | 105.9  | 105.9  | 105.9  | 105.9  |
| 107.5° | 129.0  | 129.3  | 129.6  | 129.8  | 129.8  | 129.7  | 129.6  | 129.5  | 129.4  | 129.2  | 129.1  |
| 110°   | 152.0  | 151.9  | 151.8  | 151.8  | 151.9  | 152.2  | 152.4  | 152.7  | 152.9  | 152.7  | 152.6  |



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**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 173.8 | 174.0 | 174.1 | 174.2  | 174.4 | 174.7 | 175.0 | 175.3 | 175.6 | 175.5 | 175.5 |
| 115°   | 195.8 | 196.3 | 196.8 | 197.0  | 197.2 | 197.5 | 197.8 | 198.1 | 198.4 | 198.3 | 198.2 |
| 117.5° | 218.3 | 218.4 | 218.6 | 218.7  | 218.9 | 219.4 | 219.9 | 220.3 | 220.8 | 220.5 | 220.2 |
| 120°   | 239.7 | 240.1 | 240.5 | 240.7  | 240.8 | 240.9 | 241.1 | 241.2 | 241.4 | 241.2 | 240.9 |
| 122.5° | 259.8 | 260.3 | 260.8 | 261.0  | 261.1 | 261.2 | 261.4 | 261.5 | 261.7 | 261.6 | 261.5 |
| 125°   | 279.6 | 279.8 | 280.1 | 280.2  | 280.4 | 280.7 | 281.0 | 281.3 | 281.6 | 281.6 | 281.6 |
| 127.5° | 297.1 | 297.7 | 298.4 | 298.7  | 298.8 | 298.9 | 299.1 | 299.2 | 299.4 | 299.5 | 299.5 |
| 130°   | 315.1 | 315.5 | 315.9 | 316.1  | 316.2 | 316.4 | 316.7 | 316.9 | 317.1 | 317.0 | 317.0 |
| 132.5° | 332.2 | 332.5 | 332.9 | 333.1  | 333.1 | 333.1 | 333.1 | 333.1 | 333.1 | 333.3 | 333.6 |
| 135°   | 347.6 | 348.1 | 348.6 | 348.8  | 348.9 | 349.0 | 349.2 | 349.3 | 349.5 | 349.7 | 349.8 |
| 137.5° | 363.4 | 363.8 | 364.2 | 364.4  | 364.4 | 364.4 | 364.4 | 364.4 | 364.4 | 364.6 | 364.7 |
| 140°   | 377.4 | 377.9 | 378.4 | 378.6  | 378.5 | 378.4 | 378.2 | 378.1 | 377.9 | 378.0 | 378.1 |
| 142.5° | 390.6 | 391.1 | 391.6 | 391.8  | 391.8 | 391.8 | 391.8 | 391.8 | 391.8 | 391.6 | 391.5 |
| 145°   | 403.4 | 403.9 | 404.4 | 404.6  | 404.6 | 404.5 | 404.4 | 404.3 | 404.2 | 404.2 | 404.2 |
| 147.5° | 414.2 | 414.8 | 415.3 | 415.6  | 415.6 | 415.5 | 415.4 | 415.4 | 415.3 | 415.2 | 415.1 |
| 150°   | 424.7 | 425.3 | 426.0 | 426.3  | 426.2 | 426.1 | 425.9 | 425.8 | 425.6 | 425.4 | 425.3 |
| 152.5° | 434.1 | 434.7 | 435.2 | 435.5  | 435.4 | 435.3 | 435.1 | 435.0 | 434.8 | 434.6 | 434.5 |
| 155°   | 442.5 | 443.1 | 443.8 | 444.1  | 444.0 | 443.7 | 443.5 | 443.2 | 443.0 | 442.8 | 442.7 |
| 157.5° | 449.6 | 450.2 | 450.9 | 451.2  | 451.1 | 450.8 | 450.6 | 450.3 | 450.1 | 450.1 | 450.1 |
| 160°   | 456.3 | 457.0 | 457.6 | 457.9  | 457.7 | 457.4 | 457.1 | 456.8 | 456.5 | 456.4 | 456.4 |
| 162.5° | 462.5 | 463.2 | 463.9 | 464.3  | 464.1 | 463.6 | 463.1 | 462.7 | 462.2 | 462.1 | 462.0 |
| 165°   | 467.7 | 468.4 | 469.0 | 469.3  | 469.1 | 468.6 | 468.1 | 467.7 | 467.2 | 467.1 | 467.0 |
| 167.5° | 471.8 | 472.5 | 473.2 | 473.6  | 473.3 | 472.8 | 472.2 | 471.7 | 471.1 | 471.0 | 470.9 |
| 170°   | 475.0 | 475.7 | 476.4 | 476.8  | 476.5 | 475.8 | 475.2 | 474.5 | 473.9 | 473.8 | 473.8 |
| 172.5° | 477.1 | 477.8 | 478.5 | 478.9  | 478.6 | 478.1 | 477.5 | 477.0 | 476.4 | 476.2 | 476.1 |
| 175°   | 478.9 | 479.6 | 480.3 | 480.7  | 480.4 | 479.7 | 479.1 | 478.4 | 477.8 | 477.7 | 477.7 |
| 177.5° | 479.8 | 480.5 | 481.1 | 481.4  | 481.1 | 480.6 | 480.0 | 479.5 | 478.9 | 478.8 | 478.8 |
| 180°   | 479.6 | 479.6 | 479.6 | 479.6  | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 |

TEST NUMBER: P1026710

CATALOG NUMBER: S125DIP-B1090D375UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 |
| 2.5°   | 1626.5 | 1619.8 | 1611.7 | 1611.7 | 1602.3 | 1598.3 | 1590.3 | 1587.6 | 1580.9 | 1570.1 | 1562.1 |
| 5°     | 1684.2 | 1666.8 | 1656.0 | 1646.6 | 1626.5 | 1611.7 | 1597.0 | 1580.9 | 1564.8 | 1546.0 | 1524.5 |
| 7.5°   | 1740.6 | 1708.4 | 1693.6 | 1677.5 | 1648.0 | 1617.1 | 1587.6 | 1566.1 | 1544.6 | 1515.1 | 1488.3 |
| 10°    | 1799.6 | 1759.4 | 1732.5 | 1711.0 | 1665.4 | 1626.5 | 1583.6 | 1552.7 | 1519.1 | 1481.6 | 1446.7 |
| 12.5°  | 1849.3 | 1796.9 | 1774.1 | 1733.9 | 1681.5 | 1634.6 | 1580.9 | 1533.9 | 1489.6 | 1445.3 | 1402.4 |
| 15°    | 1890.9 | 1841.2 | 1784.9 | 1768.8 | 1696.3 | 1629.2 | 1568.8 | 1508.4 | 1453.4 | 1409.1 | 1359.4 |
| 17.5°  | 1904.3 | 1841.2 | 1813.0 | 1774.1 | 1688.2 | 1618.5 | 1542.0 | 1476.2 | 1423.9 | 1358.1 | 1319.2 |
| 20°    | 1908.3 | 1847.9 | 1809.0 | 1772.8 | 1696.3 | 1603.7 | 1528.5 | 1448.0 | 1384.9 | 1319.2 | 1257.5 |
| 22.5°  | 1897.6 | 1826.5 | 1788.9 | 1754.0 | 1668.1 | 1588.9 | 1501.7 | 1413.1 | 1339.3 | 1278.9 | 1217.2 |
| 25°    | 1877.5 | 1794.3 | 1758.0 | 1720.4 | 1638.6 | 1551.4 | 1456.1 | 1371.5 | 1303.1 | 1230.6 | 1170.2 |
| 27.5°  | 1850.6 | 1755.3 | 1713.7 | 1674.8 | 1594.3 | 1512.4 | 1422.5 | 1335.3 | 1258.8 | 1182.3 | 1125.9 |
| 30°    | 1817.1 | 1707.0 | 1669.4 | 1618.5 | 1540.6 | 1462.8 | 1380.9 | 1293.7 | 1207.8 | 1135.3 | 1073.6 |
| 32.5°  | 1774.1 | 1658.7 | 1609.1 | 1560.7 | 1476.2 | 1405.1 | 1327.2 | 1245.4 | 1162.2 | 1091.0 | 1026.6 |
| 35°    | 1735.2 | 1603.7 | 1548.7 | 1500.4 | 1406.4 | 1331.3 | 1266.8 | 1190.4 | 1116.5 | 1042.7 | 985.0  |
| 37.5°  | 1682.9 | 1548.7 | 1482.9 | 1433.3 | 1338.0 | 1261.5 | 1201.1 | 1142.0 | 1064.2 | 993.1  | 939.4  |
| 40°    | 1627.8 | 1480.2 | 1418.5 | 1368.8 | 1269.5 | 1186.3 | 1128.6 | 1076.3 | 1013.2 | 947.5  | 891.1  |
| 42.5°  | 1578.2 | 1414.5 | 1348.7 | 1288.3 | 1187.7 | 1113.9 | 1054.8 | 1014.6 | 956.8  | 897.8  | 846.8  |
| 45°    | 1515.1 | 1344.7 | 1273.6 | 1210.5 | 1113.9 | 1033.3 | 977.0  | 944.8  | 901.8  | 844.1  | 799.8  |
| 47.5°  | 1450.7 | 1269.5 | 1195.7 | 1134.0 | 1029.3 | 958.2  | 903.2  | 872.3  | 842.8  | 797.1  | 752.9  |
| 50°    | 1366.2 | 1190.4 | 1123.3 | 1052.1 | 948.8  | 876.3  | 830.7  | 799.8  | 777.0  | 744.8  | 707.2  |
| 52.5°  | 1273.6 | 1108.5 | 1036.0 | 974.3  | 872.3  | 806.5  | 754.2  | 736.8  | 713.9  | 689.8  | 657.6  |
| 55°    | 1175.6 | 1019.9 | 950.1  | 889.7  | 795.8  | 728.7  | 685.8  | 667.0  | 649.5  | 630.7  | 609.3  |
| 57.5°  | 1077.6 | 927.3  | 861.6  | 807.9  | 720.7  | 656.2  | 621.3  | 595.8  | 583.8  | 573.0  | 555.6  |
| 60°    | 955.5  | 828.0  | 777.0  | 728.7  | 642.8  | 583.8  | 550.2  | 531.4  | 520.7  | 515.3  | 507.3  |
| 62.5°  | 848.1  | 743.5  | 687.1  | 640.1  | 571.7  | 519.4  | 487.1  | 472.4  | 463.0  | 460.3  | 450.9  |
| 65°    | 734.1  | 644.2  | 599.9  | 559.6  | 500.6  | 453.6  | 426.8  | 409.3  | 402.6  | 401.3  | 401.3  |
| 67.5°  | 626.7  | 554.2  | 510.0  | 481.8  | 430.8  | 389.2  | 363.7  | 357.0  | 352.9  | 347.6  | 346.2  |
| 70°    | 526.1  | 468.4  | 429.4  | 405.3  | 359.7  | 328.8  | 308.7  | 297.9  | 297.9  | 293.9  | 291.2  |
| 72.5°  | 437.5  | 379.8  | 354.3  | 334.2  | 296.6  | 269.7  | 255.0  | 252.3  | 242.9  | 241.6  | 241.6  |
| 75°    | 342.2  | 299.3  | 281.8  | 264.4  | 236.2  | 217.4  | 205.3  | 198.6  | 193.2  | 193.2  | 194.6  |
| 77.5°  | 257.7  | 228.1  | 212.0  | 198.6  | 178.5  | 166.4  | 157.0  | 154.3  | 149.0  | 149.0  | 149.0  |
| 80°    | 182.5  | 166.4  | 154.3  | 143.6  | 128.8  | 118.1  | 112.7  | 107.4  | 107.4  | 106.0  | 107.4  |
| 82.5°  | 118.1  | 104.7  | 98.0   | 96.6   | 83.2   | 79.2   | 72.5   | 73.8   | 69.8   | 68.4   | 71.1   |
| 85°    | 68.4   | 61.7   | 53.7   | 51.0   | 45.6   | 40.3   | 37.6   | 38.9   | 37.6   | 36.2   | 37.6   |
| 87.5°  | 26.8   | 22.8   | 21.5   | 21.5   | 17.4   | 16.1   | 14.8   | 16.1   | 13.4   | 13.4   | 14.8   |
| 90°    | 4.0    | 3.5    | 3.2    | 2.9    | 2.3    | 1.6    | 1.0    | 0.4    | 1.0    | 1.6    | 2.3    |
| 92.5°  | 4.3    | 3.8    | 3.6    | 4.0    | 4.7    | 5.4    | 6.1    | 6.8    | 6.1    | 5.4    | 4.7    |
| 95°    | 14.7   | 17.7   | 19.2   | 19.3   | 19.6   | 19.8   | 20.1   | 20.3   | 20.1   | 19.8   | 19.6   |
| 97.5°  | 28.9   | 36.4   | 40.2   | 40.0   | 39.5   | 39.0   | 38.5   | 38.0   | 38.5   | 39.0   | 39.5   |
| 100°   | 60.9   | 60.6   | 60.4   | 60.3   | 60.1   | 59.8   | 59.6   | 59.4   | 59.6   | 59.8   | 60.1   |
| 102.5° | 82.7   | 82.6   | 82.5   | 82.3   | 82.0   | 81.7   | 81.4   | 81.1   | 81.4   | 81.7   | 82.0   |
| 105°   | 105.9  | 105.9  | 105.9  | 105.7  | 105.4  | 105.1  | 104.8  | 104.5  | 104.8  | 105.1  | 105.4  |
| 107.5° | 128.9  | 128.8  | 128.7  | 128.7  | 128.7  | 128.7  | 128.7  | 128.7  | 128.7  | 128.7  | 128.7  |
| 110°   | 152.4  | 152.3  | 152.2  | 152.2  | 152.2  | 152.2  | 152.2  | 152.2  | 152.2  | 152.2  | 152.2  |

TEST NUMBER: P1026710

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**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 175.4 | 175.3 | 175.3  | 175.2 | 174.9 | 174.7 | 174.4 | 174.2 | 174.4 | 174.7 | 174.9 |
| 115°   | 198.1 | 198.0 | 198.0  | 197.8 | 197.4 | 197.1 | 196.7 | 196.3 | 196.7 | 197.1 | 197.4 |
| 117.5° | 219.9 | 219.6 | 219.4  | 219.4 | 219.4 | 219.4 | 219.4 | 219.4 | 219.4 | 219.4 | 219.4 |
| 120°   | 240.7 | 240.4 | 240.3  | 240.3 | 240.4 | 240.5 | 240.6 | 240.7 | 240.6 | 240.5 | 240.4 |
| 122.5° | 261.4 | 261.3 | 261.3  | 261.1 | 260.7 | 260.3 | 259.9 | 259.5 | 259.9 | 260.3 | 260.7 |
| 125°   | 281.6 | 281.6 | 281.6  | 281.3 | 280.8 | 280.2 | 279.7 | 279.1 | 279.7 | 280.2 | 280.8 |
| 127.5° | 299.6 | 299.7 | 299.7  | 299.5 | 299.1 | 298.7 | 298.3 | 297.9 | 298.3 | 298.7 | 299.1 |
| 130°   | 316.9 | 316.8 | 316.8  | 316.6 | 316.2 | 315.8 | 315.4 | 315.0 | 315.4 | 315.8 | 316.2 |
| 132.5° | 333.8 | 334.1 | 334.2  | 334.0 | 333.5 | 333.0 | 332.6 | 332.1 | 332.6 | 333.0 | 333.5 |
| 135°   | 350.0 | 350.1 | 350.2  | 350.0 | 349.5 | 349.0 | 348.6 | 348.1 | 348.6 | 349.0 | 349.5 |
| 137.5° | 364.9 | 365.0 | 365.1  | 364.9 | 364.4 | 363.9 | 363.5 | 363.0 | 363.5 | 363.9 | 364.4 |
| 140°   | 378.2 | 378.3 | 378.3  | 378.2 | 378.1 | 377.9 | 377.8 | 377.6 | 377.8 | 377.9 | 378.1 |
| 142.5° | 391.3 | 391.2 | 391.1  | 391.1 | 391.0 | 390.9 | 390.8 | 390.7 | 390.8 | 390.9 | 391.0 |
| 145°   | 404.2 | 404.2 | 404.2  | 404.1 | 404.0 | 403.8 | 403.7 | 403.5 | 403.7 | 403.8 | 404.0 |
| 147.5° | 415.0 | 414.9 | 414.9  | 414.9 | 414.9 | 414.9 | 414.9 | 414.9 | 414.9 | 414.9 | 414.9 |
| 150°   | 425.1 | 425.0 | 424.9  | 425.0 | 425.1 | 425.3 | 425.4 | 425.6 | 425.4 | 425.3 | 425.1 |
| 152.5° | 434.3 | 434.2 | 434.1  | 434.3 | 434.7 | 435.1 | 435.5 | 435.9 | 435.5 | 435.1 | 434.7 |
| 155°   | 442.5 | 442.4 | 442.3  | 442.5 | 443.0 | 443.5 | 443.9 | 444.4 | 443.9 | 443.5 | 443.0 |
| 157.5° | 450.1 | 450.1 | 450.1  | 450.2 | 450.5 | 450.7 | 451.0 | 451.2 | 451.0 | 450.7 | 450.5 |
| 160°   | 456.3 | 456.2 | 456.2  | 456.4 | 456.9 | 457.4 | 457.8 | 458.3 | 457.8 | 457.4 | 456.9 |
| 162.5° | 461.9 | 461.8 | 461.8  | 462.0 | 462.5 | 463.0 | 463.5 | 464.0 | 463.5 | 463.0 | 462.5 |
| 165°   | 466.9 | 466.8 | 466.8  | 467.0 | 467.5 | 468.0 | 468.5 | 469.0 | 468.5 | 468.0 | 467.5 |
| 167.5° | 470.8 | 470.7 | 470.7  | 470.9 | 471.4 | 471.9 | 472.4 | 472.9 | 472.4 | 471.9 | 471.4 |
| 170°   | 473.7 | 473.6 | 473.6  | 473.9 | 474.4 | 475.0 | 475.5 | 476.1 | 475.5 | 475.0 | 474.4 |
| 172.5° | 475.9 | 475.8 | 475.7  | 476.0 | 476.5 | 477.1 | 477.6 | 478.2 | 477.6 | 477.1 | 476.5 |
| 175°   | 477.6 | 477.5 | 477.5  | 477.7 | 478.2 | 478.7 | 479.1 | 479.6 | 479.1 | 478.7 | 478.2 |
| 177.5° | 478.7 | 478.6 | 478.6  | 478.8 | 479.3 | 479.8 | 480.2 | 480.7 | 480.2 | 479.8 | 479.3 |
| 180°   | 479.6 | 479.6 | 479.6  | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 |

TEST NUMBER: P1026710

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**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 |
| 2.5°   | 1559.4 | 1556.7 | 1550.0 | 1546.0 | 1532.6 | 1516.5 | 1511.1 | 1497.7 | 1503.0 | 1493.6 | 1493.6 |
| 5°     | 1517.8 | 1505.7 | 1497.7 | 1485.6 | 1460.1 | 1442.6 | 1423.9 | 1414.5 | 1409.1 | 1402.4 | 1397.0 |
| 7.5°   | 1464.1 | 1454.7 | 1446.7 | 1423.9 | 1395.7 | 1371.5 | 1348.7 | 1339.3 | 1321.9 | 1309.8 | 1304.4 |
| 10°    | 1417.2 | 1403.7 | 1384.9 | 1358.1 | 1328.6 | 1297.7 | 1277.6 | 1257.5 | 1244.0 | 1237.3 | 1222.6 |
| 12.5°  | 1368.8 | 1352.7 | 1332.6 | 1293.7 | 1261.5 | 1242.7 | 1206.5 | 1187.7 | 1181.0 | 1175.6 | 1158.1 |
| 15°    | 1319.2 | 1301.7 | 1277.6 | 1241.3 | 1213.2 | 1168.9 | 1147.4 | 1132.6 | 1116.5 | 1115.2 | 1101.8 |
| 17.5°  | 1274.9 | 1253.4 | 1233.3 | 1189.0 | 1154.1 | 1115.2 | 1103.1 | 1087.0 | 1072.3 | 1056.2 | 1049.4 |
| 20°    | 1218.5 | 1198.4 | 1183.6 | 1135.3 | 1096.4 | 1072.3 | 1052.1 | 1038.7 | 1029.3 | 1013.2 | 1010.5 |
| 22.5°  | 1167.5 | 1146.1 | 1125.9 | 1089.7 | 1056.2 | 1025.3 | 1001.1 | 986.4  | 982.3  | 975.6  | 963.6  |
| 25°    | 1117.9 | 1096.4 | 1072.3 | 1038.7 | 1003.8 | 982.3  | 960.9  | 951.5  | 943.4  | 932.7  | 923.3  |
| 27.5°  | 1076.3 | 1056.2 | 1033.3 | 991.7  | 962.2  | 946.1  | 923.3  | 912.6  | 901.8  | 896.5  | 892.4  |
| 30°    | 1026.6 | 1003.8 | 986.4  | 954.2  | 922.0  | 900.5  | 884.4  | 875.0  | 865.6  | 860.2  | 857.5  |
| 32.5°  | 978.3  | 956.8  | 944.8  | 909.9  | 884.4  | 858.9  | 846.8  | 840.1  | 834.7  | 829.4  | 824.0  |
| 35°    | 939.4  | 917.9  | 899.1  | 866.9  | 841.4  | 824.0  | 814.6  | 803.9  | 799.8  | 794.5  | 794.5  |
| 37.5°  | 891.1  | 875.0  | 856.2  | 825.3  | 802.5  | 789.1  | 781.0  | 767.6  | 766.3  | 763.6  | 759.6  |
| 40°    | 849.5  | 833.4  | 815.9  | 789.1  | 769.0  | 752.9  | 742.1  | 735.4  | 731.4  | 728.7  | 726.0  |
| 42.5°  | 805.2  | 787.8  | 779.7  | 748.8  | 731.4  | 715.3  | 709.9  | 703.2  | 701.9  | 696.5  | 689.8  |
| 45°    | 762.3  | 747.5  | 731.4  | 708.6  | 693.8  | 680.4  | 672.3  | 667.0  | 660.3  | 658.9  | 654.9  |
| 47.5°  | 724.7  | 707.2  | 692.5  | 671.0  | 654.9  | 644.2  | 637.4  | 630.7  | 625.4  | 621.3  | 617.3  |
| 50°    | 676.4  | 662.9  | 650.9  | 628.1  | 614.6  | 603.9  | 594.5  | 589.1  | 583.8  | 583.8  | 583.8  |
| 52.5°  | 629.4  | 617.3  | 606.6  | 590.5  | 574.4  | 565.0  | 554.2  | 550.2  | 547.5  | 543.5  | 547.5  |
| 55°    | 583.8  | 571.7  | 561.0  | 548.9  | 530.1  | 522.0  | 511.3  | 507.3  | 508.6  | 508.6  | 512.6  |
| 57.5°  | 535.5  | 526.1  | 519.4  | 504.6  | 487.1  | 479.1  | 472.4  | 468.4  | 468.4  | 473.7  | 475.1  |
| 60°    | 488.5  | 479.1  | 467.0  | 453.6  | 442.9  | 433.5  | 429.4  | 430.8  | 430.8  | 433.5  | 440.2  |
| 62.5°  | 436.1  | 430.8  | 424.1  | 405.3  | 398.6  | 391.9  | 386.5  | 390.5  | 389.2  | 395.9  | 405.3  |
| 65°    | 387.8  | 382.5  | 373.1  | 363.7  | 355.6  | 348.9  | 347.6  | 348.9  | 351.6  | 358.3  | 369.0  |
| 67.5°  | 334.2  | 334.2  | 326.1  | 318.1  | 311.3  | 304.6  | 306.0  | 307.3  | 310.0  | 318.1  | 334.2  |
| 70°    | 289.9  | 284.5  | 276.5  | 271.1  | 265.7  | 263.0  | 260.3  | 265.7  | 273.8  | 279.1  | 291.2  |
| 72.5°  | 241.6  | 237.5  | 230.8  | 225.5  | 224.1  | 221.4  | 220.1  | 222.8  | 230.8  | 240.2  | 253.6  |
| 75°    | 190.6  | 191.9  | 187.9  | 183.9  | 183.9  | 179.8  | 182.5  | 182.5  | 190.6  | 200.0  | 210.7  |
| 77.5°  | 147.6  | 146.3  | 144.9  | 142.3  | 140.9  | 140.9  | 140.9  | 143.6  | 151.6  | 157.0  | 167.7  |
| 80°    | 104.7  | 106.0  | 102.0  | 103.3  | 102.0  | 103.3  | 103.3  | 108.7  | 112.7  | 119.4  | 127.5  |
| 82.5°  | 69.8   | 69.8   | 67.1   | 68.4   | 68.4   | 68.4   | 69.8   | 72.5   | 77.8   | 83.2   | 88.6   |
| 85°    | 38.9   | 40.3   | 37.6   | 40.3   | 40.3   | 40.3   | 41.6   | 42.9   | 47.0   | 48.3   | 53.7   |
| 87.5°  | 14.8   | 17.4   | 17.4   | 14.8   | 16.1   | 17.4   | 18.8   | 17.4   | 20.1   | 22.8   | 24.2   |
| 90°    | 2.9    | 3.2    | 3.5    | 4.0    | 4.6    | 5.1    | 5.7    | 6.1    | 6.5    | 6.9    | 7.3    |
| 92.5°  | 4.0    | 3.6    | 3.8    | 4.3    | 4.8    | 5.2    | 5.7    | 6.1    | 6.5    | 6.9    | 7.3    |
| 95°    | 19.3   | 19.2   | 17.7   | 14.7   | 11.7   | 8.7    | 5.7    | 6.1    | 6.5    | 6.9    | 7.3    |
| 97.5°  | 40.0   | 40.2   | 36.4   | 28.9   | 21.4   | 13.9   | 6.4    | 6.6    | 6.7    | 6.9    | 7.0    |
| 100°   | 60.3   | 60.4   | 60.6   | 60.9   | 61.2   | 61.6   | 61.9   | 50.1   | 38.3   | 26.6   | 14.8   |
| 102.5° | 82.3   | 82.5   | 82.6   | 82.7   | 82.9   | 83.0   | 83.2   | 83.4   | 83.5   | 83.7   | 83.8   |
| 105°   | 105.7  | 105.9  | 105.9  | 105.9  | 105.9  | 105.9  | 105.9  | 105.9  | 105.9  | 105.9  | 105.9  |
| 107.5° | 128.7  | 128.7  | 128.8  | 128.9  | 129.1  | 129.2  | 129.4  | 129.5  | 129.6  | 129.7  | 129.8  |
| 110°   | 152.2  | 152.2  | 152.3  | 152.4  | 152.6  | 152.7  | 152.9  | 152.7  | 152.4  | 152.2  | 151.9  |

TEST NUMBER: P1026710

CATALOG NUMBER: S125DIP-B1090D375UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 175.2 | 175.3  | 175.3 | 175.4 | 175.5 | 175.5 | 175.6 | 175.3 | 175.0 | 174.7 | 174.4 |
| 115°   | 197.8 | 198.0  | 198.0 | 198.1 | 198.2 | 198.3 | 198.4 | 198.1 | 197.8 | 197.5 | 197.2 |
| 117.5° | 219.4 | 219.4  | 219.6 | 219.9 | 220.2 | 220.5 | 220.8 | 220.3 | 219.9 | 219.4 | 218.9 |
| 120°   | 240.3 | 240.3  | 240.4 | 240.7 | 240.9 | 241.2 | 241.4 | 241.2 | 241.1 | 240.9 | 240.8 |
| 122.5° | 261.1 | 261.3  | 261.3 | 261.4 | 261.5 | 261.6 | 261.7 | 261.5 | 261.4 | 261.2 | 261.1 |
| 125°   | 281.3 | 281.6  | 281.6 | 281.6 | 281.6 | 281.6 | 281.6 | 281.3 | 281.0 | 280.7 | 280.4 |
| 127.5° | 299.5 | 299.7  | 299.7 | 299.6 | 299.5 | 299.5 | 299.4 | 299.2 | 299.1 | 298.9 | 298.8 |
| 130°   | 316.6 | 316.8  | 316.8 | 316.9 | 317.0 | 317.0 | 317.1 | 316.9 | 316.7 | 316.4 | 316.2 |
| 132.5° | 334.0 | 334.2  | 334.1 | 333.8 | 333.6 | 333.3 | 333.1 | 333.1 | 333.1 | 333.1 | 333.1 |
| 135°   | 350.0 | 350.2  | 350.1 | 350.0 | 349.8 | 349.7 | 349.5 | 349.3 | 349.2 | 349.0 | 348.9 |
| 137.5° | 364.9 | 365.1  | 365.0 | 364.9 | 364.7 | 364.6 | 364.4 | 364.4 | 364.4 | 364.4 | 364.4 |
| 140°   | 378.2 | 378.3  | 378.3 | 378.2 | 378.1 | 378.0 | 377.9 | 378.1 | 378.2 | 378.4 | 378.5 |
| 142.5° | 391.1 | 391.1  | 391.2 | 391.3 | 391.5 | 391.6 | 391.8 | 391.8 | 391.8 | 391.8 | 391.8 |
| 145°   | 404.1 | 404.2  | 404.2 | 404.2 | 404.2 | 404.2 | 404.2 | 404.3 | 404.4 | 404.5 | 404.6 |
| 147.5° | 414.9 | 414.9  | 414.9 | 415.0 | 415.1 | 415.2 | 415.3 | 415.4 | 415.4 | 415.5 | 415.6 |
| 150°   | 425.0 | 424.9  | 425.0 | 425.1 | 425.3 | 425.4 | 425.6 | 425.8 | 425.9 | 426.1 | 426.2 |
| 152.5° | 434.3 | 434.1  | 434.2 | 434.3 | 434.5 | 434.6 | 434.8 | 435.0 | 435.1 | 435.3 | 435.4 |
| 155°   | 442.5 | 442.3  | 442.4 | 442.5 | 442.7 | 442.8 | 443.0 | 443.2 | 443.5 | 443.7 | 444.0 |
| 157.5° | 450.2 | 450.1  | 450.1 | 450.1 | 450.1 | 450.1 | 450.1 | 450.3 | 450.6 | 450.8 | 451.1 |
| 160°   | 456.4 | 456.2  | 456.2 | 456.3 | 456.4 | 456.4 | 456.5 | 456.8 | 457.1 | 457.4 | 457.7 |
| 162.5° | 462.0 | 461.8  | 461.8 | 461.9 | 462.0 | 462.1 | 462.2 | 462.7 | 463.1 | 463.6 | 464.1 |
| 165°   | 467.0 | 466.8  | 466.8 | 466.9 | 467.0 | 467.1 | 467.2 | 467.7 | 468.1 | 468.6 | 469.1 |
| 167.5° | 470.9 | 470.7  | 470.7 | 470.8 | 470.9 | 471.0 | 471.1 | 471.7 | 472.2 | 472.8 | 473.3 |
| 170°   | 473.9 | 473.6  | 473.6 | 473.7 | 473.8 | 473.8 | 473.9 | 474.5 | 475.2 | 475.8 | 476.5 |
| 172.5° | 476.0 | 475.7  | 475.8 | 475.9 | 476.1 | 476.2 | 476.4 | 477.0 | 477.5 | 478.1 | 478.6 |
| 175°   | 477.7 | 477.5  | 477.5 | 477.6 | 477.7 | 477.7 | 477.8 | 478.4 | 479.1 | 479.7 | 480.4 |
| 177.5° | 478.8 | 478.6  | 478.6 | 478.7 | 478.8 | 478.8 | 478.9 | 479.5 | 480.0 | 480.6 | 481.1 |
| 180°   | 479.6 | 479.6  | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 |

TEST NUMBER: P1026710

CATALOG NUMBER: S125DIP-B1090D375UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 |
| 2.5°   | 1499.0 | 1489.6 | 1488.3 | 1491.0 | 1485.6 | 1493.6 | 1491.0 | 1493.6 | 1486.9 | 1493.6 | 1489.6 |
| 5°     | 1395.7 | 1393.0 | 1387.6 | 1380.9 | 1382.3 | 1383.6 | 1390.3 | 1383.6 | 1389.0 | 1390.3 | 1397.0 |
| 7.5°   | 1299.1 | 1293.7 | 1297.7 | 1295.0 | 1283.0 | 1280.3 | 1283.0 | 1287.0 | 1295.0 | 1300.4 | 1304.4 |
| 10°    | 1221.2 | 1218.5 | 1213.2 | 1209.1 | 1202.4 | 1198.4 | 1203.8 | 1198.4 | 1209.1 | 1218.5 | 1218.5 |
| 12.5°  | 1162.2 | 1151.4 | 1144.7 | 1143.4 | 1128.6 | 1131.3 | 1136.7 | 1140.7 | 1152.8 | 1158.1 | 1158.1 |
| 15°    | 1100.4 | 1092.4 | 1089.7 | 1084.3 | 1079.0 | 1084.3 | 1081.7 | 1085.7 | 1091.0 | 1096.4 | 1099.1 |
| 17.5°  | 1046.8 | 1045.4 | 1046.8 | 1033.3 | 1037.4 | 1030.7 | 1032.0 | 1038.7 | 1034.7 | 1038.7 | 1046.8 |
| 20°    | 998.4  | 1001.1 | 997.1  | 991.7  | 991.7  | 983.7  | 993.1  | 990.4  | 991.7  | 999.8  | 1011.9 |
| 22.5°  | 962.2  | 960.9  | 956.8  | 952.8  | 947.5  | 948.8  | 950.1  | 947.5  | 958.2  | 964.9  | 966.2  |
| 25°    | 923.3  | 920.6  | 919.3  | 915.2  | 909.9  | 915.2  | 913.9  | 915.2  | 917.9  | 928.7  | 920.6  |
| 27.5°  | 887.1  | 881.7  | 884.4  | 880.4  | 879.0  | 880.4  | 880.4  | 881.7  | 884.4  | 885.7  | 887.1  |
| 30°    | 856.2  | 850.8  | 849.5  | 846.8  | 845.5  | 846.8  | 849.5  | 846.8  | 857.5  | 856.2  | 856.2  |
| 32.5°  | 822.6  | 818.6  | 815.9  | 815.9  | 814.6  | 813.3  | 814.6  | 815.9  | 824.0  | 818.6  | 824.0  |
| 35°    | 790.4  | 787.8  | 787.8  | 785.1  | 783.7  | 783.7  | 783.7  | 789.1  | 786.4  | 790.4  | 790.4  |
| 37.5°  | 759.6  | 759.6  | 758.2  | 755.5  | 754.2  | 755.5  | 754.2  | 756.9  | 755.5  | 756.9  | 758.2  |
| 40°    | 727.4  | 724.7  | 723.3  | 723.3  | 719.3  | 715.3  | 719.3  | 719.3  | 720.7  | 724.7  | 726.0  |
| 42.5°  | 688.4  | 689.8  | 689.8  | 684.4  | 684.4  | 684.4  | 685.8  | 687.1  | 687.1  | 689.8  | 689.8  |
| 45°    | 654.9  | 652.2  | 652.2  | 652.2  | 649.5  | 650.9  | 653.6  | 653.6  | 653.6  | 653.6  | 650.9  |
| 47.5°  | 617.3  | 617.3  | 618.7  | 618.7  | 622.7  | 621.3  | 621.3  | 620.0  | 617.3  | 617.3  | 618.7  |
| 50°    | 582.4  | 586.5  | 587.8  | 587.8  | 589.1  | 590.5  | 590.5  | 587.8  | 586.5  | 582.4  | 582.4  |
| 52.5°  | 548.9  | 551.6  | 554.2  | 558.3  | 561.0  | 559.6  | 559.6  | 556.9  | 551.6  | 550.2  | 548.9  |
| 55°    | 512.6  | 516.7  | 522.0  | 526.1  | 530.1  | 531.4  | 531.4  | 526.1  | 520.7  | 514.0  | 514.0  |
| 57.5°  | 479.1  | 483.1  | 492.5  | 496.5  | 501.9  | 501.9  | 499.2  | 495.2  | 487.1  | 481.8  | 477.8  |
| 60°    | 445.5  | 452.3  | 459.0  | 467.0  | 473.7  | 475.1  | 471.0  | 465.7  | 456.3  | 449.6  | 444.2  |
| 62.5°  | 409.3  | 416.0  | 429.4  | 437.5  | 442.9  | 442.9  | 442.9  | 436.1  | 424.1  | 414.7  | 406.6  |
| 65°    | 374.4  | 381.1  | 393.2  | 403.9  | 408.0  | 412.0  | 408.0  | 401.3  | 391.9  | 381.1  | 373.1  |
| 67.5°  | 338.2  | 346.2  | 358.3  | 366.4  | 371.7  | 375.8  | 373.1  | 367.7  | 355.6  | 340.9  | 335.5  |
| 70°    | 297.9  | 301.9  | 319.4  | 327.4  | 335.5  | 338.2  | 335.5  | 327.4  | 315.4  | 299.3  | 293.9  |
| 72.5°  | 260.3  | 264.4  | 280.5  | 287.2  | 293.9  | 296.6  | 292.6  | 287.2  | 276.5  | 261.7  | 255.0  |
| 75°    | 217.4  | 224.1  | 232.2  | 242.9  | 251.0  | 253.6  | 249.6  | 245.6  | 232.2  | 222.8  | 217.4  |
| 77.5°  | 171.8  | 178.5  | 189.2  | 198.6  | 206.7  | 205.3  | 200.0  | 201.3  | 186.5  | 175.8  | 171.8  |
| 80°    | 130.2  | 135.5  | 143.6  | 151.6  | 155.7  | 155.7  | 154.3  | 149.0  | 143.6  | 135.5  | 128.8  |
| 82.5°  | 89.9   | 96.6   | 103.3  | 108.7  | 108.7  | 110.0  | 107.4  | 106.0  | 100.6  | 93.9   | 92.6   |
| 85°    | 53.7   | 55.0   | 60.4   | 60.4   | 65.8   | 63.1   | 61.7   | 65.8   | 60.4   | 56.4   | 55.0   |
| 87.5°  | 24.2   | 22.8   | 24.2   | 24.2   | 22.8   | 25.5   | 25.5   | 24.2   | 25.5   | 24.2   | 24.2   |
| 90°    | 7.5    | 7.6    | 7.8    | 8.1    | 8.3    | 8.5    | 8.3    | 8.1    | 7.8    | 7.6    | 7.5    |
| 92.5°  | 7.5    | 7.5    | 7.6    | 7.7    | 7.7    | 7.8    | 7.7    | 7.7    | 7.6    | 7.5    | 7.5    |
| 95°    | 7.5    | 7.5    | 7.5    | 7.5    | 7.5    | 7.5    | 7.5    | 7.5    | 7.5    | 7.5    | 7.5    |
| 97.5°  | 7.1    | 7.1    | 7.2    | 7.3    | 7.4    | 7.5    | 7.4    | 7.3    | 7.2    | 7.1    | 7.1    |
| 100°   | 8.9    | 8.7    | 8.4    | 8.1    | 7.8    | 7.5    | 7.8    | 8.1    | 8.4    | 8.7    | 8.9    |
| 102.5° | 83.9   | 80.6   | 73.9   | 67.3   | 60.6   | 54.0   | 60.6   | 67.3   | 73.9   | 80.6   | 83.9   |
| 105°   | 105.9  | 105.9  | 105.8  | 105.7  | 105.7  | 105.6  | 105.7  | 105.7  | 105.8  | 105.9  | 105.9  |
| 107.5° | 129.8  | 129.6  | 129.3  | 129.0  | 128.6  | 128.3  | 128.6  | 129.0  | 129.3  | 129.6  | 129.8  |
| 110°   | 151.8  | 151.8  | 151.9  | 152.0  | 152.1  | 152.2  | 152.1  | 152.0  | 151.9  | 151.8  | 151.8  |

TEST NUMBER: P1026710

CATALOG NUMBER: S125DIP-B1090D375UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 174.2  | 174.1 | 174.0 | 173.8 | 173.7 | 173.5 | 173.7 | 173.8 | 174.0 | 174.1 | 174.2  |
| 115°   | 197.0  | 196.8 | 196.3 | 195.8 | 195.3 | 194.8 | 195.3 | 195.8 | 196.3 | 196.8 | 197.0  |
| 117.5° | 218.7  | 218.6 | 218.4 | 218.3 | 218.1 | 217.9 | 218.1 | 218.3 | 218.4 | 218.6 | 218.7  |
| 120°   | 240.7  | 240.5 | 240.1 | 239.7 | 239.3 | 238.9 | 239.3 | 239.7 | 240.1 | 240.5 | 240.7  |
| 122.5° | 261.0  | 260.8 | 260.3 | 259.8 | 259.3 | 258.8 | 259.3 | 259.8 | 260.3 | 260.8 | 261.0  |
| 125°   | 280.2  | 280.1 | 279.8 | 279.6 | 279.3 | 279.1 | 279.3 | 279.6 | 279.8 | 280.1 | 280.2  |
| 127.5° | 298.7  | 298.4 | 297.7 | 297.1 | 296.4 | 295.8 | 296.4 | 297.1 | 297.7 | 298.4 | 298.7  |
| 130°   | 316.1  | 315.9 | 315.5 | 315.1 | 314.7 | 314.3 | 314.7 | 315.1 | 315.5 | 315.9 | 316.1  |
| 132.5° | 333.1  | 332.9 | 332.5 | 332.2 | 331.8 | 331.4 | 331.8 | 332.2 | 332.5 | 332.9 | 333.1  |
| 135°   | 348.8  | 348.6 | 348.1 | 347.6 | 347.1 | 346.6 | 347.1 | 347.6 | 348.1 | 348.6 | 348.8  |
| 137.5° | 364.4  | 364.2 | 363.8 | 363.4 | 363.0 | 362.6 | 363.0 | 363.4 | 363.8 | 364.2 | 364.4  |
| 140°   | 378.6  | 378.4 | 377.9 | 377.4 | 377.0 | 376.5 | 377.0 | 377.4 | 377.9 | 378.4 | 378.6  |
| 142.5° | 391.8  | 391.6 | 391.1 | 390.6 | 390.2 | 389.7 | 390.2 | 390.6 | 391.1 | 391.6 | 391.8  |
| 145°   | 404.6  | 404.4 | 403.9 | 403.4 | 403.0 | 402.5 | 403.0 | 403.4 | 403.9 | 404.4 | 404.6  |
| 147.5° | 415.6  | 415.3 | 414.8 | 414.2 | 413.7 | 413.1 | 413.7 | 414.2 | 414.8 | 415.3 | 415.6  |
| 150°   | 426.3  | 426.0 | 425.3 | 424.7 | 424.0 | 423.4 | 424.0 | 424.7 | 425.3 | 426.0 | 426.3  |
| 152.5° | 435.5  | 435.2 | 434.7 | 434.1 | 433.6 | 433.0 | 433.6 | 434.1 | 434.7 | 435.2 | 435.5  |
| 155°   | 444.1  | 443.8 | 443.1 | 442.5 | 441.8 | 441.2 | 441.8 | 442.5 | 443.1 | 443.8 | 444.1  |
| 157.5° | 451.2  | 450.9 | 450.2 | 449.6 | 448.9 | 448.3 | 448.9 | 449.6 | 450.2 | 450.9 | 451.2  |
| 160°   | 457.9  | 457.6 | 457.0 | 456.3 | 455.7 | 455.1 | 455.7 | 456.3 | 457.0 | 457.6 | 457.9  |
| 162.5° | 464.3  | 463.9 | 463.2 | 462.5 | 461.8 | 461.1 | 461.8 | 462.5 | 463.2 | 463.9 | 464.3  |
| 165°   | 469.3  | 469.0 | 468.4 | 467.7 | 467.1 | 466.5 | 467.1 | 467.7 | 468.4 | 469.0 | 469.3  |
| 167.5° | 473.6  | 473.2 | 472.5 | 471.8 | 471.1 | 470.4 | 471.1 | 471.8 | 472.5 | 473.2 | 473.6  |
| 170°   | 476.8  | 476.4 | 475.7 | 475.0 | 474.3 | 473.6 | 474.3 | 475.0 | 475.7 | 476.4 | 476.8  |
| 172.5° | 478.9  | 478.5 | 477.8 | 477.1 | 476.4 | 475.7 | 476.4 | 477.1 | 477.8 | 478.5 | 478.9  |
| 175°   | 480.7  | 480.3 | 479.6 | 478.9 | 478.2 | 477.5 | 478.2 | 478.9 | 479.6 | 480.3 | 480.7  |
| 177.5° | 481.4  | 481.1 | 480.5 | 479.8 | 479.2 | 478.6 | 479.2 | 479.8 | 480.5 | 481.1 | 481.4  |
| 180°   | 479.6  | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6  |

TEST NUMBER: P1026710

CATALOG NUMBER: S125DIP-B1090D375UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 | 1580.9 |
| 2.5°   | 1501.7 | 1493.6 | 1503.0 | 1491.0 | 1493.6 | 1508.4 | 1507.1 | 1520.5 | 1528.5 | 1527.2 | 1533.9 |
| 5°     | 1402.4 | 1402.4 | 1406.4 | 1405.1 | 1418.5 | 1430.6 | 1446.7 | 1460.1 | 1474.9 | 1482.9 | 1492.3 |
| 7.5°   | 1304.4 | 1317.8 | 1320.5 | 1327.2 | 1343.3 | 1363.5 | 1379.6 | 1399.7 | 1421.2 | 1435.9 | 1446.7 |
| 10°    | 1223.9 | 1234.6 | 1245.4 | 1250.7 | 1268.2 | 1295.0 | 1317.8 | 1350.1 | 1376.9 | 1393.0 | 1407.8 |
| 12.5°  | 1152.8 | 1164.9 | 1170.2 | 1194.4 | 1206.5 | 1223.9 | 1256.1 | 1291.0 | 1320.5 | 1338.0 | 1350.1 |
| 15°    | 1101.8 | 1108.5 | 1120.6 | 1135.3 | 1147.4 | 1168.9 | 1195.7 | 1234.6 | 1262.8 | 1277.6 | 1319.2 |
| 17.5°  | 1058.8 | 1066.9 | 1073.6 | 1080.3 | 1099.1 | 1121.9 | 1147.4 | 1181.0 | 1217.2 | 1242.7 | 1264.2 |
| 20°    | 1014.6 | 1018.6 | 1026.6 | 1037.4 | 1050.8 | 1072.3 | 1095.1 | 1130.0 | 1162.2 | 1182.3 | 1210.5 |
| 22.5°  | 962.2  | 974.3  | 982.3  | 990.4  | 1005.2 | 1029.3 | 1050.8 | 1076.3 | 1116.5 | 1139.4 | 1168.9 |
| 25°    | 931.3  | 936.7  | 942.1  | 951.5  | 962.2  | 983.7  | 1007.8 | 1034.7 | 1066.9 | 1091.0 | 1116.5 |
| 27.5°  | 891.1  | 899.1  | 905.8  | 917.9  | 924.6  | 942.1  | 964.9  | 991.7  | 1030.7 | 1050.8 | 1072.3 |
| 30°    | 857.5  | 865.6  | 871.0  | 876.3  | 885.7  | 904.5  | 926.0  | 947.5  | 983.7  | 1009.2 | 1030.7 |
| 32.5°  | 824.0  | 832.0  | 838.7  | 842.8  | 852.2  | 864.2  | 881.7  | 908.5  | 939.4  | 956.8  | 985.0  |
| 35°    | 794.5  | 794.5  | 802.5  | 807.9  | 815.9  | 826.7  | 842.8  | 862.9  | 895.1  | 917.9  | 943.4  |
| 37.5°  | 760.9  | 762.3  | 769.0  | 773.0  | 781.0  | 791.8  | 807.9  | 826.7  | 853.5  | 871.0  | 896.5  |
| 40°    | 726.0  | 730.0  | 732.7  | 739.4  | 748.8  | 752.9  | 769.0  | 790.4  | 817.3  | 833.4  | 854.9  |
| 42.5°  | 691.1  | 693.8  | 700.5  | 705.9  | 713.9  | 720.7  | 731.4  | 751.5  | 771.6  | 795.8  | 813.3  |
| 45°    | 652.2  | 658.9  | 662.9  | 672.3  | 676.4  | 683.1  | 693.8  | 709.9  | 734.1  | 748.8  | 769.0  |
| 47.5°  | 618.7  | 621.3  | 624.0  | 636.1  | 644.2  | 648.2  | 658.9  | 668.3  | 693.8  | 707.2  | 726.0  |
| 50°    | 582.4  | 582.4  | 586.5  | 591.8  | 601.2  | 609.3  | 618.7  | 629.4  | 649.5  | 662.9  | 681.7  |
| 52.5°  | 548.9  | 544.9  | 547.5  | 550.2  | 559.6  | 567.7  | 577.1  | 591.8  | 610.6  | 618.7  | 634.8  |
| 55°    | 512.6  | 505.9  | 510.0  | 514.0  | 516.7  | 527.4  | 538.1  | 547.5  | 562.3  | 574.4  | 589.1  |
| 57.5°  | 473.7  | 472.4  | 469.7  | 471.0  | 477.8  | 484.5  | 492.5  | 504.6  | 522.0  | 531.4  | 539.5  |
| 60°    | 438.8  | 430.8  | 428.1  | 430.8  | 434.8  | 438.8  | 449.6  | 460.3  | 475.1  | 484.5  | 493.9  |
| 62.5°  | 402.6  | 394.5  | 389.2  | 385.2  | 389.2  | 398.6  | 405.3  | 413.3  | 425.4  | 436.1  | 444.2  |
| 65°    | 367.7  | 355.6  | 350.3  | 347.6  | 346.2  | 352.9  | 358.3  | 369.0  | 379.8  | 383.8  | 393.2  |
| 67.5°  | 328.8  | 318.1  | 311.3  | 307.3  | 307.3  | 307.3  | 312.7  | 323.4  | 334.2  | 335.5  | 344.9  |
| 70°    | 289.9  | 277.8  | 271.1  | 265.7  | 263.0  | 265.7  | 272.4  | 273.8  | 283.2  | 285.8  | 291.2  |
| 72.5°  | 248.3  | 237.5  | 229.5  | 222.8  | 224.1  | 226.8  | 226.8  | 229.5  | 234.8  | 241.6  | 241.6  |
| 75°    | 209.4  | 194.6  | 190.6  | 185.2  | 182.5  | 182.5  | 182.5  | 187.9  | 191.9  | 197.3  | 195.9  |
| 77.5°  | 165.1  | 157.0  | 149.0  | 146.3  | 142.3  | 140.9  | 143.6  | 143.6  | 146.3  | 150.3  | 151.6  |
| 80°    | 127.5  | 118.1  | 112.7  | 110.0  | 104.7  | 103.3  | 104.7  | 104.7  | 108.7  | 107.4  | 108.7  |
| 82.5°  | 88.6   | 81.9   | 77.8   | 73.8   | 71.1   | 72.5   | 71.1   | 71.1   | 72.5   | 71.1   | 71.1   |
| 85°    | 51.0   | 49.7   | 47.0   | 45.6   | 44.3   | 41.6   | 44.3   | 42.9   | 41.6   | 40.3   | 42.9   |
| 87.5°  | 24.2   | 22.8   | 22.8   | 20.1   | 20.1   | 18.8   | 20.1   | 20.1   | 18.8   | 18.8   | 18.8   |
| 90°    | 7.3    | 6.9    | 6.5    | 6.1    | 5.7    | 5.1    | 4.6    | 4.0    | 3.5    | 3.2    | 2.9    |
| 92.5°  | 7.3    | 6.9    | 6.5    | 6.1    | 5.7    | 5.2    | 4.8    | 4.3    | 3.8    | 3.6    | 4.0    |
| 95°    | 7.3    | 6.9    | 6.5    | 6.1    | 5.7    | 8.7    | 11.7   | 14.7   | 17.7   | 19.2   | 19.3   |
| 97.5°  | 7.0    | 6.9    | 6.7    | 6.6    | 6.4    | 13.9   | 21.4   | 28.9   | 36.4   | 40.2   | 40.0   |
| 100°   | 14.8   | 26.6   | 38.3   | 50.1   | 61.9   | 61.6   | 61.2   | 60.9   | 60.6   | 60.4   | 60.3   |
| 102.5° | 83.8   | 83.7   | 83.5   | 83.4   | 83.2   | 83.0   | 82.9   | 82.7   | 82.6   | 82.5   | 82.3   |
| 105°   | 105.9  | 105.9  | 105.9  | 105.9  | 105.9  | 105.9  | 105.9  | 105.9  | 105.9  | 105.9  | 105.7  |
| 107.5° | 129.8  | 129.7  | 129.6  | 129.5  | 129.4  | 129.2  | 129.1  | 128.9  | 128.8  | 128.7  | 128.7  |
| 110°   | 151.9  | 152.2  | 152.4  | 152.7  | 152.9  | 152.7  | 152.6  | 152.4  | 152.3  | 152.2  | 152.2  |

TEST NUMBER: P1026710

CATALOG NUMBER: S125DIP-B1090D375UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 174.4 | 174.7 | 175.0 | 175.3 | 175.6 | 175.5 | 175.5 | 175.4 | 175.3 | 175.3  | 175.2 |
| 115°   | 197.2 | 197.5 | 197.8 | 198.1 | 198.4 | 198.3 | 198.2 | 198.1 | 198.0 | 198.0  | 197.8 |
| 117.5° | 218.9 | 219.4 | 219.9 | 220.3 | 220.8 | 220.5 | 220.2 | 219.9 | 219.6 | 219.4  | 219.4 |
| 120°   | 240.8 | 240.9 | 241.1 | 241.2 | 241.4 | 241.2 | 240.9 | 240.7 | 240.4 | 240.3  | 240.3 |
| 122.5° | 261.1 | 261.2 | 261.4 | 261.5 | 261.7 | 261.6 | 261.5 | 261.4 | 261.3 | 261.3  | 261.1 |
| 125°   | 280.4 | 280.7 | 281.0 | 281.3 | 281.6 | 281.6 | 281.6 | 281.6 | 281.6 | 281.6  | 281.3 |
| 127.5° | 298.8 | 298.9 | 299.1 | 299.2 | 299.4 | 299.5 | 299.5 | 299.6 | 299.7 | 299.7  | 299.5 |
| 130°   | 316.2 | 316.4 | 316.7 | 316.9 | 317.1 | 317.0 | 317.0 | 316.9 | 316.8 | 316.8  | 316.6 |
| 132.5° | 333.1 | 333.1 | 333.1 | 333.1 | 333.1 | 333.3 | 333.6 | 333.8 | 334.1 | 334.2  | 334.0 |
| 135°   | 348.9 | 349.0 | 349.2 | 349.3 | 349.5 | 349.7 | 349.8 | 350.0 | 350.1 | 350.2  | 350.0 |
| 137.5° | 364.4 | 364.4 | 364.4 | 364.4 | 364.4 | 364.6 | 364.7 | 364.9 | 365.0 | 365.1  | 364.9 |
| 140°   | 378.5 | 378.4 | 378.2 | 378.1 | 377.9 | 378.0 | 378.1 | 378.2 | 378.3 | 378.3  | 378.2 |
| 142.5° | 391.8 | 391.8 | 391.8 | 391.8 | 391.8 | 391.6 | 391.5 | 391.3 | 391.2 | 391.1  | 391.1 |
| 145°   | 404.6 | 404.5 | 404.4 | 404.3 | 404.2 | 404.2 | 404.2 | 404.2 | 404.2 | 404.2  | 404.1 |
| 147.5° | 415.6 | 415.5 | 415.4 | 415.4 | 415.3 | 415.2 | 415.1 | 415.0 | 414.9 | 414.9  | 414.9 |
| 150°   | 426.2 | 426.1 | 425.9 | 425.8 | 425.6 | 425.4 | 425.3 | 425.1 | 425.0 | 424.9  | 425.0 |
| 152.5° | 435.4 | 435.3 | 435.1 | 435.0 | 434.8 | 434.6 | 434.5 | 434.3 | 434.2 | 434.1  | 434.3 |
| 155°   | 444.0 | 443.7 | 443.5 | 443.2 | 443.0 | 442.8 | 442.7 | 442.5 | 442.4 | 442.3  | 442.5 |
| 157.5° | 451.1 | 450.8 | 450.6 | 450.3 | 450.1 | 450.1 | 450.1 | 450.1 | 450.1 | 450.1  | 450.2 |
| 160°   | 457.7 | 457.4 | 457.1 | 456.8 | 456.5 | 456.4 | 456.4 | 456.3 | 456.2 | 456.2  | 456.4 |
| 162.5° | 464.1 | 463.6 | 463.1 | 462.7 | 462.2 | 462.1 | 462.0 | 461.9 | 461.8 | 461.8  | 462.0 |
| 165°   | 469.1 | 468.6 | 468.1 | 467.7 | 467.2 | 467.1 | 467.0 | 466.9 | 466.8 | 466.8  | 467.0 |
| 167.5° | 473.3 | 472.8 | 472.2 | 471.7 | 471.1 | 471.0 | 470.9 | 470.8 | 470.7 | 470.7  | 470.9 |
| 170°   | 476.5 | 475.8 | 475.2 | 474.5 | 473.9 | 473.8 | 473.8 | 473.7 | 473.6 | 473.6  | 473.9 |
| 172.5° | 478.6 | 478.1 | 477.5 | 477.0 | 476.4 | 476.2 | 476.1 | 475.9 | 475.8 | 475.7  | 476.0 |
| 175°   | 480.4 | 479.7 | 479.1 | 478.4 | 477.8 | 477.7 | 477.7 | 477.6 | 477.5 | 477.5  | 477.7 |
| 177.5° | 481.1 | 480.6 | 480.0 | 479.5 | 478.9 | 478.8 | 478.8 | 478.7 | 478.6 | 478.6  | 478.8 |
| 180°   | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6 | 479.6  | 479.6 |

TEST NUMBER: P1026710

CATALOG NUMBER: S125DIP-B1090D375UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1580.9 | 1580.9 | 1580.9 | 1580.9 |
| 2.5°   | 1543.3 | 1556.7 | 1566.1 | 1583.6 |
| 5°     | 1508.4 | 1532.6 | 1555.4 | 1579.5 |
| 7.5°   | 1473.5 | 1501.7 | 1537.9 | 1568.8 |
| 10°    | 1434.6 | 1470.8 | 1513.8 | 1555.4 |
| 12.5°  | 1395.7 | 1438.6 | 1485.6 | 1540.6 |
| 15°    | 1348.7 | 1403.7 | 1458.8 | 1517.8 |
| 17.5°  | 1307.1 | 1363.5 | 1422.5 | 1496.3 |
| 20°    | 1260.1 | 1321.9 | 1386.3 | 1461.4 |
| 22.5°  | 1218.5 | 1287.0 | 1354.1 | 1433.3 |
| 25°    | 1171.6 | 1238.7 | 1312.5 | 1397.0 |
| 27.5°  | 1132.6 | 1194.4 | 1266.8 | 1358.1 |
| 30°    | 1085.7 | 1152.8 | 1225.2 | 1316.5 |
| 32.5°  | 1041.4 | 1105.8 | 1182.3 | 1272.2 |
| 35°    | 995.8  | 1061.5 | 1130.0 | 1215.9 |
| 37.5°  | 952.8  | 1009.2 | 1077.6 | 1159.5 |
| 40°    | 904.5  | 966.2  | 1028.0 | 1092.4 |
| 42.5°  | 860.2  | 916.6  | 974.3  | 1025.3 |
| 45°    | 810.6  | 858.9  | 913.9  | 955.5  |
| 47.5°  | 764.9  | 807.9  | 850.8  | 883.0  |
| 50°    | 719.3  | 752.9  | 785.1  | 813.3  |
| 52.5°  | 665.6  | 703.2  | 720.7  | 738.1  |
| 55°    | 617.3  | 638.8  | 654.9  | 672.3  |
| 57.5°  | 570.3  | 579.7  | 587.8  | 603.9  |
| 60°    | 508.6  | 519.4  | 528.7  | 540.8  |
| 62.5°  | 454.9  | 460.3  | 463.0  | 475.1  |
| 65°    | 403.9  | 402.6  | 409.3  | 416.0  |
| 67.5°  | 348.9  | 347.6  | 354.3  | 357.0  |
| 70°    | 295.2  | 293.9  | 295.2  | 301.9  |
| 72.5°  | 244.2  | 244.2  | 245.6  | 248.3  |
| 75°    | 197.3  | 197.3  | 198.6  | 201.3  |
| 77.5°  | 149.0  | 151.6  | 150.3  | 155.7  |
| 80°    | 108.7  | 106.0  | 108.7  | 111.4  |
| 82.5°  | 71.1   | 73.8   | 73.8   | 71.1   |
| 85°    | 40.3   | 40.3   | 40.3   | 40.3   |
| 87.5°  | 17.4   | 17.4   | 18.8   | 20.1   |
| 90°    | 2.3    | 1.6    | 1.0    | 0.4    |
| 92.5°  | 4.7    | 5.4    | 6.1    | 6.8    |
| 95°    | 19.6   | 19.8   | 20.1   | 20.3   |
| 97.5°  | 39.5   | 39.0   | 38.5   | 38.0   |
| 100°   | 60.1   | 59.8   | 59.6   | 59.4   |
| 102.5° | 82.0   | 81.7   | 81.4   | 81.1   |
| 105°   | 105.4  | 105.1  | 104.8  | 104.5  |
| 107.5° | 128.7  | 128.7  | 128.7  | 128.7  |
| 110°   | 152.2  | 152.2  | 152.2  | 152.2  |



TEST NUMBER: P1026710

CATALOG NUMBER: S125DIP-B1090D375UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 174.9 | 174.7 | 174.4 | 174.2 |
| 115°   | 197.4 | 197.1 | 196.7 | 196.3 |
| 117.5° | 219.4 | 219.4 | 219.4 | 219.4 |
| 120°   | 240.4 | 240.5 | 240.6 | 240.7 |
| 122.5° | 260.7 | 260.3 | 259.9 | 259.5 |
| 125°   | 280.8 | 280.2 | 279.7 | 279.1 |
| 127.5° | 299.1 | 298.7 | 298.3 | 297.9 |
| 130°   | 316.2 | 315.8 | 315.4 | 315.0 |
| 132.5° | 333.5 | 333.0 | 332.6 | 332.1 |
| 135°   | 349.5 | 349.0 | 348.6 | 348.1 |
| 137.5° | 364.4 | 363.9 | 363.5 | 363.0 |
| 140°   | 378.1 | 377.9 | 377.8 | 377.6 |
| 142.5° | 391.0 | 390.9 | 390.8 | 390.7 |
| 145°   | 404.0 | 403.8 | 403.7 | 403.5 |
| 147.5° | 414.9 | 414.9 | 414.9 | 414.9 |
| 150°   | 425.1 | 425.3 | 425.4 | 425.6 |
| 152.5° | 434.7 | 435.1 | 435.5 | 435.9 |
| 155°   | 443.0 | 443.5 | 443.9 | 444.4 |
| 157.5° | 450.5 | 450.7 | 451.0 | 451.2 |
| 160°   | 456.9 | 457.4 | 457.8 | 458.3 |
| 162.5° | 462.5 | 463.0 | 463.5 | 464.0 |
| 165°   | 467.5 | 468.0 | 468.5 | 469.0 |
| 167.5° | 471.4 | 471.9 | 472.4 | 472.9 |
| 170°   | 474.4 | 475.0 | 475.5 | 476.1 |
| 172.5° | 476.5 | 477.1 | 477.6 | 478.2 |
| 175°   | 478.2 | 478.7 | 479.1 | 479.6 |
| 177.5° | 479.3 | 479.8 | 480.2 | 480.7 |
| 180°   | 479.6 | 479.6 | 479.6 | 479.6 |

(END OF REPORT)