

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: P1027077

Luminaire Tested: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A\_4000K

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1027077  
REPORT IS A COMBINATION OF REPORTS P1005008 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A\_4000K  
Description: Define 5 Regressed Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865}  
{m-EER=0.951}  
Light Source: -  
Ballast/Driver: -

**Summary**

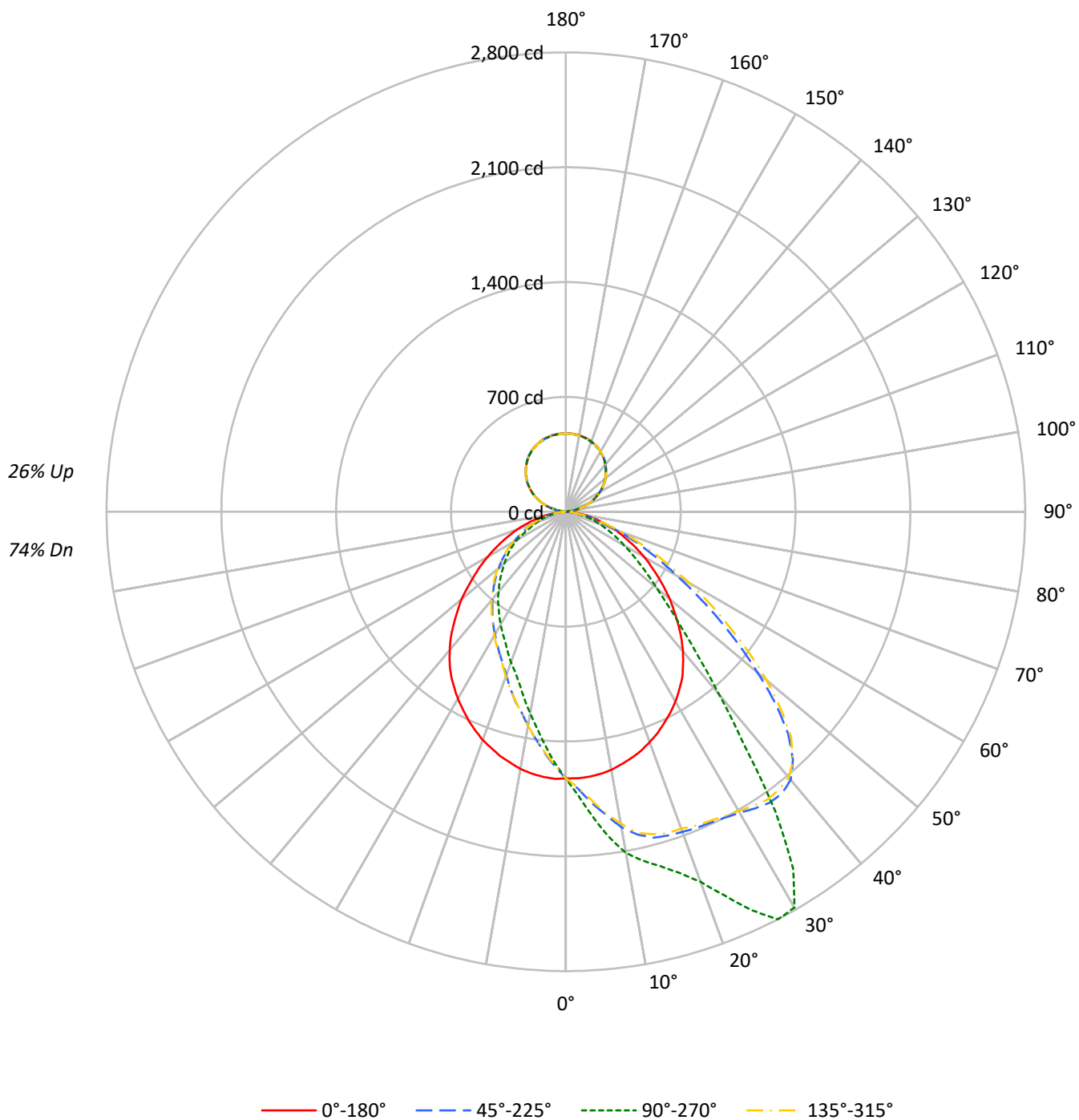
Lumens per Lamp: N/A  
Luminaire Lumens: 5676.0 lumens  
Efficiency: N/A  
Efficacy: 101.2 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.4 / 1.47  
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')  
CIE Type: Semi-Direct

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: P1027077

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A\_4000K

### Luminous Intensity Polar Plot



TEST NUMBER: P1027077

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A\_4000K

**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 | 107 | 107 | 107 | 107 | 97 | 97 | 97 | 87 | 87 | 87 | 78 | 78 | 78 | 74 |    |    |
| 1   | 104 | 100 | 96  | 92  | 99  | 95  | 92  | 89  | 86 | 83 | 81 | 78 | 76 | 74 | 70 | 69 | 68 | 64 |    |    |
| 2   | 95  | 88  | 82  | 77  | 90  | 84  | 78  | 74  | 76 | 72 | 68 | 69 | 66 | 63 | 63 | 60 | 58 | 54 |    |    |
| 3   | 87  | 78  | 70  | 64  | 83  | 74  | 68  | 62  | 68 | 62 | 58 | 62 | 57 | 54 | 56 | 53 | 50 | 47 |    |    |
| 4   | 80  | 69  | 61  | 55  | 76  | 66  | 59  | 53  | 60 | 55 | 50 | 55 | 50 | 47 | 50 | 46 | 43 | 40 |    |    |
| 5   | 74  | 62  | 54  | 48  | 70  | 59  | 52  | 46  | 54 | 48 | 43 | 50 | 45 | 41 | 46 | 41 | 38 | 35 |    |    |
| 6   | 68  | 56  | 48  | 42  | 65  | 54  | 46  | 41  | 49 | 43 | 38 | 45 | 40 | 36 | 41 | 37 | 34 | 31 |    |    |
| 7   | 63  | 51  | 43  | 37  | 60  | 49  | 41  | 36  | 45 | 39 | 34 | 41 | 36 | 32 | 38 | 33 | 30 | 28 |    |    |
| 8   | 59  | 46  | 38  | 33  | 56  | 44  | 37  | 32  | 41 | 35 | 30 | 38 | 33 | 29 | 35 | 30 | 27 | 25 |    |    |
| 9   | 55  | 42  | 35  | 30  | 52  | 41  | 34  | 29  | 38 | 32 | 27 | 35 | 30 | 26 | 32 | 28 | 24 | 23 |    |    |
| 10  | 51  | 39  | 32  | 27  | 49  | 38  | 31  | 26  | 35 | 29 | 25 | 32 | 27 | 24 | 30 | 25 | 22 | 20 |    |    |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 10412 | 10412 | 10412 | 10412 |
| 5°  | 10403 | 11734 | 10403 | 9019  |
| 10° | 10344 | 13186 | 10309 | 7797  |
| 15° | 10232 | 13951 | 10162 | 6788  |
| 20° | 10096 | 15060 | 10006 | 6136  |
| 25° | 9919  | 17046 | 9808  | 5569  |
| 30° | 9740  | 18119 | 9594  | 5163  |
| 35° | 9507  | 14901 | 9374  | 4785  |
| 40° | 9093  | 10119 | 9017  | 4445  |
| 45° | 8551  | 7274  | 8539  | 4111  |
| 50° | 7993  | 5594  | 8032  | 3801  |
| 55° | 7367  | 4549  | 7352  | 3504  |
| 60° | 6784  | 3728  | 6752  | 3111  |
| 65° | 6105  | 3106  | 6143  | 2504  |
| 70° | 5543  | 2493  | 5520  | 2085  |
| 75° | 4682  | 1889  | 4682  | 1713  |
| 80° | 3794  | 1152  | 3752  | 1152  |
| 85° | 2670  | 606   | 2596  | 685   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 14820 cd/sqm

TEST NUMBER: P1027077

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A\_4000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 155.8  | 2.7       |
| 10°-20°   | 456.8  | 8.0       |
| 20°-30°   | 724.4  | 12.8      |
| 30°-40°   | 875.3  | 15.4      |
| 40°-50°   | 779.3  | 13.7      |
| 50°-60°   | 597.6  | 10.5      |
| 60°-70°   | 388.1  | 6.8       |
| 70°-80°   | 188.4  | 3.3       |
| 80°-90°   | 45.0   | 0.8       |
| 90°-100°  | 16.2   | 0.3       |
| 100°-110° | 107.7  | 1.9       |
| 110°-120° | 193.9  | 3.4       |
| 120°-130° | 248.8  | 4.4       |
| 130°-140° | 267.6  | 4.7       |
| 140°-150° | 251.2  | 4.4       |
| 150°-160° | 203.2  | 3.6       |
| 160°-170° | 131.4  | 2.3       |
| 170°-180° | 45.3   | 0.8       |
| 0°-30°    | 1337.0 | 23.6      |
| 0°-40°    | 2212.3 | 39.0      |
| 0°-60°    | 3589.2 | 63.2      |
| 0°-90°    | 4210.7 | 74.2      |
| 90°-120°  | 317.7  | 5.6       |
| 90°-150°  | 1085.4 | 19.1      |
| 90°-180°  | 1465.0 | 25.8      |
| 0°-180°   | 5676.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1625 | 1625 | 1625 | 1625 | 1625 |      |
| 5°   | 1621 | 1862 | 1621 | 1432 | 1621 | 154  |
| 15°  | 1553 | 2237 | 1542 | 1089 | 1553 | 438  |
| 25°  | 1420 | 2679 | 1404 | 875  | 1420 | 654  |
| 35°  | 1237 | 2223 | 1219 | 714  | 1237 | 770  |
| 45°  | 967  | 994  | 966  | 562  | 967  | 746  |
| 55°  | 683  | 546  | 682  | 420  | 683  | 612  |
| 65°  | 424  | 310  | 427  | 250  | 424  | 424  |
| 75°  | 207  | 144  | 207  | 131  | 207  | 222  |
| 85°  | 47   | 31   | 45   | 35   | 47   | 53   |
| 90°  | 0    | 8    | 0    | 8    | 0    | 4    |
| 95°  | 20   | 7    | 20   | 7    | 20   | 25   |
| 105° | 104  | 105  | 104  | 105  | 104  | 110  |
| 115° | 195  | 194  | 195  | 194  | 195  | 194  |
| 125° | 278  | 278  | 278  | 278  | 278  | 248  |
| 135° | 346  | 345  | 346  | 345  | 346  | 267  |
| 145° | 401  | 400  | 401  | 400  | 401  | 251  |
| 155° | 442  | 439  | 442  | 439  | 442  | 204  |
| 165° | 466  | 464  | 466  | 464  | 466  | 132  |
| 175° | 477  | 475  | 477  | 475  | 477  | 45   |
| 180° | 477  | 477  | 477  | 477  | 477  |      |

TEST NUMBER: P1027077

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 |
| 2.5°   | 1626.3 | 1639.7 | 1643.7 | 1654.3 | 1666.3 | 1669.0 | 1675.7 | 1685.0 | 1690.4 | 1689.0 | 1689.0 |
| 5°     | 1621.0 | 1643.7 | 1659.7 | 1678.4 | 1701.0 | 1710.4 | 1718.4 | 1738.4 | 1754.4 | 1763.7 | 1779.7 |
| 7.5°   | 1611.6 | 1645.0 | 1671.7 | 1699.7 | 1734.4 | 1750.4 | 1767.7 | 1795.8 | 1825.1 | 1843.8 | 1861.1 |
| 10°    | 1597.0 | 1639.7 | 1677.0 | 1718.4 | 1765.1 | 1789.1 | 1810.4 | 1853.1 | 1889.1 | 1913.2 | 1953.2 |
| 12.5°  | 1575.6 | 1629.0 | 1681.0 | 1735.7 | 1794.4 | 1819.8 | 1849.1 | 1895.8 | 1946.5 | 1981.2 | 2014.6 |
| 15°    | 1552.9 | 1617.0 | 1673.0 | 1738.4 | 1809.1 | 1847.8 | 1885.1 | 1934.5 | 1979.9 | 2018.6 | 2057.2 |
| 17.5°  | 1526.3 | 1594.3 | 1663.7 | 1738.4 | 1818.4 | 1857.1 | 1889.1 | 1947.8 | 1995.9 | 2034.6 | 2069.3 |
| 20°    | 1494.2 | 1570.3 | 1649.0 | 1731.7 | 1813.1 | 1849.1 | 1879.8 | 1943.8 | 1986.5 | 2027.9 | 2077.3 |
| 22.5°  | 1459.6 | 1542.3 | 1626.3 | 1707.7 | 1787.7 | 1826.4 | 1862.5 | 1918.5 | 1965.2 | 2021.2 | 2085.3 |
| 25°    | 1419.5 | 1510.2 | 1595.6 | 1677.0 | 1753.1 | 1789.1 | 1821.1 | 1882.5 | 1947.8 | 2018.6 | 2090.6 |
| 27.5°  | 1379.5 | 1467.6 | 1550.3 | 1625.0 | 1707.7 | 1741.1 | 1773.1 | 1850.5 | 1927.8 | 2002.5 | 2101.3 |
| 30°    | 1335.5 | 1424.9 | 1496.9 | 1566.3 | 1646.3 | 1681.0 | 1721.0 | 1809.1 | 1897.1 | 1998.5 | 2118.6 |
| 32.5°  | 1286.1 | 1367.5 | 1434.2 | 1506.2 | 1578.3 | 1621.0 | 1671.7 | 1767.7 | 1869.1 | 1990.5 | 2144.0 |
| 35°    | 1236.7 | 1302.1 | 1363.5 | 1431.5 | 1518.3 | 1563.6 | 1613.0 | 1714.4 | 1841.1 | 1986.5 | 2165.3 |
| 37.5°  | 1174.0 | 1236.7 | 1284.8 | 1354.2 | 1443.5 | 1496.9 | 1546.3 | 1663.7 | 1807.8 | 1977.2 | 2164.0 |
| 40°    | 1110.0 | 1163.4 | 1208.7 | 1280.8 | 1378.2 | 1427.5 | 1480.9 | 1609.0 | 1773.1 | 1950.5 | 2132.0 |
| 42.5°  | 1040.6 | 1086.0 | 1135.4 | 1204.7 | 1299.5 | 1347.5 | 1408.9 | 1558.3 | 1725.0 | 1913.2 | 2049.2 |
| 45°    | 967.3  | 1011.3 | 1052.6 | 1124.7 | 1219.4 | 1271.4 | 1338.1 | 1491.6 | 1666.3 | 1834.4 | 1915.8 |
| 47.5°  | 895.2  | 933.9  | 977.9  | 1040.6 | 1136.7 | 1194.1 | 1262.1 | 1426.2 | 1587.6 | 1729.0 | 1735.7 |
| 50°    | 825.8  | 856.5  | 893.9  | 957.9  | 1058.0 | 1112.7 | 1183.4 | 1336.8 | 1494.2 | 1591.6 | 1526.3 |
| 52.5°  | 753.8  | 781.8  | 820.5  | 876.5  | 969.9  | 1034.0 | 1095.3 | 1248.8 | 1380.8 | 1446.2 | 1326.1 |
| 55°    | 683.1  | 707.1  | 747.1  | 809.8  | 891.2  | 940.6  | 1003.3 | 1146.0 | 1262.1 | 1263.4 | 1132.7 |
| 57.5°  | 613.7  | 635.1  | 668.4  | 724.4  | 800.5  | 857.9  | 915.2  | 1039.3 | 1118.0 | 1095.3 | 949.9  |
| 60°    | 552.3  | 565.7  | 596.4  | 651.1  | 721.8  | 763.1  | 824.5  | 928.6  | 980.6  | 939.2  | 783.1  |
| 62.5°  | 488.3  | 501.6  | 525.7  | 569.7  | 636.4  | 680.4  | 719.1  | 804.5  | 840.5  | 777.8  | 649.7  |
| 65°    | 424.3  | 440.3  | 457.6  | 492.3  | 555.0  | 584.4  | 619.0  | 681.7  | 716.4  | 643.1  | 532.3  |
| 67.5°  | 368.2  | 376.2  | 393.6  | 429.6  | 473.6  | 500.3  | 524.3  | 567.0  | 573.7  | 515.0  | 424.3  |
| 70°    | 316.2  | 318.9  | 334.9  | 356.2  | 389.6  | 405.6  | 425.6  | 450.9  | 450.9  | 402.9  | 330.9  |
| 72.5°  | 257.5  | 261.5  | 273.5  | 296.2  | 316.2  | 324.2  | 330.9  | 346.9  | 344.2  | 300.2  | 250.8  |
| 75°    | 206.8  | 209.5  | 218.8  | 229.5  | 237.5  | 252.2  | 257.5  | 254.8  | 253.5  | 216.1  | 188.1  |
| 77.5°  | 160.1  | 161.4  | 168.1  | 177.4  | 178.8  | 184.1  | 180.1  | 180.1  | 168.1  | 146.8  | 132.1  |
| 80°    | 117.4  | 118.7  | 121.4  | 124.1  | 124.1  | 124.1  | 124.1  | 117.4  | 109.4  | 96.1   | 92.1   |
| 82.5°  | 78.7   | 78.7   | 80.0   | 82.7   | 81.4   | 78.7   | 76.0   | 69.4   | 64.0   | 60.0   | 57.4   |
| 85°    | 46.7   | 46.7   | 48.0   | 46.7   | 41.4   | 40.0   | 37.4   | 36.0   | 34.7   | 33.4   | 33.4   |
| 87.5°  | 22.7   | 21.3   | 18.7   | 16.0   | 16.0   | 16.0   | 16.0   | 16.0   | 16.0   | 14.7   | 14.7   |
| 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°  | 6.7    | 6.0    | 5.3    | 4.6    | 3.9    | 3.5    | 3.7    | 4.2    | 4.7    | 5.2    | 5.7    |
| 95°    | 20.2   | 20.0   | 19.7   | 19.5   | 19.2   | 19.1   | 17.6   | 14.6   | 11.7   | 8.7    | 5.7    |
| 97.5°  | 37.8   | 38.3   | 38.8   | 39.3   | 39.8   | 40.0   | 36.3   | 28.8   | 21.3   | 13.9   | 6.4    |
| 100°   | 59.1   | 59.3   | 59.5   | 59.8   | 60.0   | 60.1   | 60.3   | 60.6   | 60.9   | 61.2   | 61.5   |
| 102.5° | 80.6   | 80.9   | 81.2   | 81.5   | 81.8   | 82.0   | 82.1   | 82.2   | 82.4   | 82.5   | 82.7   |
| 105°   | 104.0  | 104.3  | 104.6  | 104.9  | 105.2  | 105.4  | 105.4  | 105.4  | 105.4  | 105.4  | 105.4  |
| 107.5° | 128.0  | 128.0  | 128.0  | 128.0  | 128.0  | 128.0  | 128.1  | 128.2  | 128.4  | 128.5  | 128.7  |
| 110°   | 151.3  | 151.3  | 151.3  | 151.3  | 151.3  | 151.3  | 151.4  | 151.6  | 151.7  | 151.9  | 152.1  |

TEST NUMBER: P1027077

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 173.3 | 173.5 | 173.7 | 174.0 | 174.2 | 174.3 | 174.3 | 174.4 | 174.5 | 174.6 | 174.7 |
| 115°   | 195.2 | 195.6 | 196.0 | 196.4 | 196.8 | 197.0 | 197.0 | 197.1 | 197.2 | 197.2 | 197.3 |
| 117.5° | 218.2 | 218.2 | 218.2 | 218.2 | 218.2 | 218.2 | 218.4 | 218.7 | 219.0 | 219.3 | 219.6 |
| 120°   | 239.4 | 239.3 | 239.2 | 239.1 | 239.0 | 239.0 | 239.1 | 239.4 | 239.6 | 239.9 | 240.1 |
| 122.5° | 258.1 | 258.5 | 258.9 | 259.3 | 259.7 | 259.9 | 259.9 | 260.0 | 260.1 | 260.2 | 260.3 |
| 125°   | 277.6 | 278.2 | 278.7 | 279.3 | 279.8 | 280.1 | 280.1 | 280.1 | 280.1 | 280.1 | 280.1 |
| 127.5° | 296.3 | 296.7 | 297.1 | 297.5 | 297.9 | 298.1 | 298.1 | 298.0 | 297.9 | 297.8 | 297.7 |
| 130°   | 313.3 | 313.7 | 314.1 | 314.5 | 314.9 | 315.1 | 315.1 | 315.2 | 315.3 | 315.3 | 315.4 |
| 132.5° | 330.3 | 330.8 | 331.2 | 331.7 | 332.2 | 332.4 | 332.3 | 332.0 | 331.8 | 331.5 | 331.3 |
| 135°   | 346.2 | 346.7 | 347.1 | 347.6 | 348.1 | 348.3 | 348.2 | 348.1 | 347.9 | 347.8 | 347.6 |
| 137.5° | 361.0 | 361.5 | 362.0 | 362.5 | 363.0 | 363.2 | 363.1 | 362.9 | 362.8 | 362.6 | 362.4 |
| 140°   | 375.5 | 375.7 | 375.8 | 376.0 | 376.1 | 376.2 | 376.2 | 376.1 | 376.0 | 376.0 | 375.9 |
| 142.5° | 388.6 | 388.7 | 388.8 | 388.9 | 389.0 | 389.0 | 389.1 | 389.2 | 389.4 | 389.5 | 389.7 |
| 145°   | 401.3 | 401.5 | 401.7 | 401.8 | 402.0 | 402.1 | 402.1 | 402.1 | 402.1 | 402.1 | 402.1 |
| 147.5° | 412.7 | 412.7 | 412.7 | 412.7 | 412.7 | 412.7 | 412.7 | 412.8 | 412.9 | 412.9 | 413.0 |
| 150°   | 423.3 | 423.1 | 423.0 | 422.8 | 422.7 | 422.6 | 422.7 | 422.8 | 423.0 | 423.1 | 423.3 |
| 152.5° | 433.5 | 433.1 | 432.7 | 432.4 | 432.0 | 431.8 | 431.9 | 432.0 | 432.2 | 432.3 | 432.5 |
| 155°   | 442.0 | 441.5 | 441.1 | 440.6 | 440.1 | 439.9 | 440.0 | 440.1 | 440.3 | 440.4 | 440.6 |
| 157.5° | 448.7 | 448.5 | 448.3 | 448.0 | 447.8 | 447.7 | 447.7 | 447.7 | 447.7 | 447.7 | 447.7 |
| 160°   | 455.8 | 455.3 | 454.9 | 454.4 | 453.9 | 453.7 | 453.7 | 453.8 | 453.9 | 453.9 | 454.0 |
| 162.5° | 461.5 | 461.0 | 460.5 | 460.0 | 459.5 | 459.3 | 459.3 | 459.4 | 459.5 | 459.6 | 459.7 |
| 165°   | 466.4 | 465.9 | 465.5 | 465.0 | 464.5 | 464.3 | 464.3 | 464.4 | 464.5 | 464.5 | 464.6 |
| 167.5° | 470.3 | 469.8 | 469.4 | 468.9 | 468.4 | 468.2 | 468.2 | 468.3 | 468.4 | 468.4 | 468.5 |
| 170°   | 473.5 | 472.9 | 472.4 | 471.8 | 471.3 | 471.0 | 471.0 | 471.1 | 471.2 | 471.3 | 471.4 |
| 172.5° | 475.6 | 475.0 | 474.5 | 473.9 | 473.4 | 473.1 | 473.2 | 473.3 | 473.5 | 473.6 | 473.8 |
| 175°   | 477.0 | 476.5 | 476.1 | 475.6 | 475.1 | 474.9 | 474.9 | 475.0 | 475.1 | 475.1 | 475.2 |
| 177.5° | 478.1 | 477.6 | 477.2 | 476.7 | 476.2 | 476.0 | 476.0 | 476.1 | 476.2 | 476.2 | 476.3 |
| 180°   | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 |

TEST NUMBER: P1027077

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 |
| 2.5°   | 1695.7 | 1705.0 | 1713.0 | 1709.0 | 1725.0 | 1723.7 | 1726.4 | 1731.7 | 1733.0 | 1730.4 | 1725.0 |
| 5°     | 1787.7 | 1801.1 | 1823.8 | 1835.8 | 1833.1 | 1843.8 | 1849.1 | 1857.1 | 1865.1 | 1862.5 | 1862.5 |
| 7.5°   | 1890.5 | 1909.2 | 1931.8 | 1962.5 | 1966.5 | 1975.9 | 1991.9 | 1991.9 | 2001.2 | 1997.2 | 1995.9 |
| 10°    | 1979.9 | 2002.5 | 2038.6 | 2062.6 | 2073.3 | 2078.6 | 2094.6 | 2099.9 | 2110.6 | 2111.9 | 2111.9 |
| 12.5°  | 2053.2 | 2093.3 | 2117.3 | 2141.3 | 2146.6 | 2154.6 | 2166.6 | 2174.7 | 2178.7 | 2178.7 | 2174.7 |
| 15°    | 2091.9 | 2124.0 | 2152.0 | 2177.3 | 2192.0 | 2198.7 | 2210.7 | 2220.0 | 2225.3 | 2237.4 | 2240.0 |
| 17.5°  | 2107.9 | 2146.6 | 2192.0 | 2228.0 | 2253.4 | 2260.0 | 2284.1 | 2292.1 | 2302.7 | 2308.1 | 2314.7 |
| 20°    | 2130.6 | 2186.7 | 2241.4 | 2285.4 | 2309.4 | 2326.7 | 2352.1 | 2389.4 | 2400.1 | 2400.1 | 2396.1 |
| 22.5°  | 2150.6 | 2222.7 | 2297.4 | 2368.1 | 2388.1 | 2422.8 | 2469.5 | 2509.5 | 2525.5 | 2532.2 | 2526.9 |
| 25°    | 2174.7 | 2273.4 | 2370.8 | 2458.8 | 2513.5 | 2538.9 | 2601.6 | 2649.6 | 2668.3 | 2679.0 | 2681.6 |
| 27.5°  | 2216.0 | 2340.1 | 2464.2 | 2576.2 | 2632.3 | 2661.6 | 2727.0 | 2768.3 | 2791.0 | 2800.4 | 2793.7 |
| 30°    | 2262.7 | 2414.8 | 2558.9 | 2658.9 | 2696.3 | 2732.3 | 2775.0 | 2791.0 | 2785.7 | 2785.7 | 2805.7 |
| 32.5°  | 2310.7 | 2468.2 | 2596.2 | 2661.6 | 2675.0 | 2669.6 | 2652.3 | 2604.2 | 2576.2 | 2576.2 | 2593.6 |
| 35°    | 2337.4 | 2473.5 | 2538.9 | 2517.5 | 2465.5 | 2434.8 | 2340.1 | 2286.7 | 2226.7 | 2222.7 | 2242.7 |
| 37.5°  | 2322.7 | 2381.4 | 2354.8 | 2214.7 | 2144.0 | 2085.3 | 1937.2 | 1878.5 | 1834.4 | 1773.1 | 1867.8 |
| 40°    | 2220.0 | 2200.0 | 2061.2 | 1859.8 | 1781.1 | 1698.4 | 1581.0 | 1522.3 | 1460.9 | 1451.5 | 1474.2 |
| 42.5°  | 2046.6 | 1927.8 | 1725.0 | 1530.3 | 1450.2 | 1391.5 | 1302.1 | 1244.8 | 1206.1 | 1190.1 | 1216.7 |
| 45°    | 1830.4 | 1643.7 | 1440.9 | 1286.1 | 1198.1 | 1167.4 | 1086.0 | 1035.3 | 1005.9 | 993.9  | 1012.6 |
| 47.5°  | 1566.3 | 1378.2 | 1186.1 | 1055.3 | 1003.3 | 972.6  | 917.9  | 873.9  | 848.5  | 840.5  | 848.5  |
| 50°    | 1330.1 | 1136.7 | 975.3  | 891.2  | 844.5  | 819.2  | 773.8  | 745.8  | 725.8  | 720.4  | 733.8  |
| 52.5°  | 1126.0 | 949.9  | 827.2  | 752.5  | 721.8  | 700.4  | 668.4  | 644.4  | 632.4  | 627.0  | 636.4  |
| 55°    | 943.2  | 800.5  | 701.8  | 637.7  | 615.0  | 601.7  | 573.7  | 560.3  | 547.0  | 545.7  | 555.0  |
| 57.5°  | 781.8  | 683.1  | 592.4  | 547.0  | 540.3  | 520.3  | 496.3  | 484.3  | 477.6  | 476.3  | 480.3  |
| 60°    | 651.1  | 563.0  | 508.3  | 468.3  | 458.9  | 442.9  | 429.6  | 421.6  | 413.6  | 410.9  | 413.6  |
| 62.5°  | 541.7  | 472.3  | 428.3  | 401.6  | 388.2  | 384.2  | 369.6  | 360.2  | 358.9  | 358.9  | 361.6  |
| 65°    | 446.9  | 388.2  | 360.2  | 338.9  | 329.5  | 325.5  | 314.9  | 308.2  | 309.5  | 309.5  | 310.9  |
| 67.5°  | 364.2  | 321.5  | 296.2  | 285.5  | 277.5  | 276.2  | 265.5  | 262.8  | 260.2  | 260.2  | 262.8  |
| 70°    | 289.5  | 262.8  | 244.1  | 238.8  | 237.5  | 228.1  | 224.1  | 222.8  | 218.8  | 220.1  | 220.1  |
| 72.5°  | 226.8  | 209.5  | 198.8  | 190.8  | 192.1  | 186.8  | 181.4  | 181.4  | 178.8  | 182.8  | 182.8  |
| 75°    | 168.1  | 160.1  | 152.1  | 149.4  | 152.1  | 149.4  | 145.4  | 144.1  | 145.4  | 144.1  | 144.1  |
| 77.5°  | 124.1  | 120.1  | 117.4  | 116.1  | 116.1  | 110.7  | 108.1  | 110.7  | 105.4  | 108.1  | 108.1  |
| 80°    | 86.7   | 81.4   | 80.0   | 77.4   | 78.7   | 74.7   | 76.0   | 73.4   | 73.4   | 73.4   | 73.4   |
| 82.5°  | 54.7   | 53.4   | 53.4   | 53.4   | 52.0   | 52.0   | 52.0   | 52.0   | 52.0   | 52.0   | 50.7   |
| 85°    | 33.4   | 32.0   | 32.0   | 32.0   | 30.7   | 30.7   | 30.7   | 30.7   | 30.7   | 30.7   | 30.7   |
| 87.5°  | 13.3   | 14.7   | 14.7   | 16.0   | 14.7   | 13.3   | 13.3   | 13.3   | 14.7   | 14.7   | 13.3   |
| 90°    | 6.1    | 6.5    | 6.8    | 7.2    | 7.4    | 7.5    | 7.8    | 8.0    | 8.3    | 8.5    | 8.3    |
| 92.5°  | 6.1    | 6.5    | 6.8    | 7.2    | 7.4    | 7.4    | 7.5    | 7.6    | 7.7    | 7.8    | 7.7    |
| 95°    | 6.1    | 6.5    | 6.8    | 7.2    | 7.4    | 7.4    | 7.4    | 7.4    | 7.4    | 7.4    | 7.4    |
| 97.5°  | 6.6    | 6.7    | 6.9    | 7.0    | 7.1    | 7.1    | 7.2    | 7.3    | 7.3    | 7.4    | 7.3    |
| 100°   | 49.8   | 38.1   | 26.4   | 14.7   | 8.8    | 8.6    | 8.3    | 8.0    | 7.7    | 7.4    | 7.7    |
| 102.5° | 82.9   | 83.1   | 83.2   | 83.4   | 83.5   | 80.2   | 73.6   | 66.9   | 60.3   | 53.7   | 60.3   |
| 105°   | 105.4  | 105.4  | 105.4  | 105.4  | 105.4  | 105.4  | 105.3  | 105.2  | 105.1  | 105.0  | 105.1  |
| 107.5° | 128.8  | 128.9  | 129.0  | 129.1  | 129.1  | 128.9  | 128.6  | 128.3  | 128.0  | 127.7  | 128.0  |
| 110°   | 151.9  | 151.6  | 151.4  | 151.1  | 151.0  | 151.0  | 151.1  | 151.2  | 151.2  | 151.3  | 151.2  |

TEST NUMBER: P1027077

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 174.4 | 174.1 | 173.8 | 173.5 | 173.3 | 173.2 | 173.1 | 172.9 | 172.8 | 172.6 | 172.8 |
| 115°   | 197.0 | 196.7 | 196.4 | 196.1 | 195.9 | 195.7 | 195.2 | 194.7 | 194.3 | 193.8 | 194.3 |
| 117.5° | 219.1 | 218.7 | 218.2 | 217.7 | 217.5 | 217.4 | 217.3 | 217.1 | 217.0 | 216.8 | 217.0 |
| 120°   | 239.9 | 239.8 | 239.6 | 239.5 | 239.4 | 239.2 | 238.8 | 238.4 | 238.0 | 237.6 | 238.0 |
| 122.5° | 260.1 | 259.9 | 259.8 | 259.6 | 259.5 | 259.3 | 258.8 | 258.3 | 257.9 | 257.4 | 257.9 |
| 125°   | 279.8 | 279.4 | 279.1 | 278.8 | 278.6 | 278.5 | 278.3 | 278.0 | 277.8 | 277.6 | 277.8 |
| 127.5° | 297.5 | 297.4 | 297.2 | 297.1 | 297.0 | 296.7 | 296.1 | 295.4 | 294.8 | 294.2 | 294.8 |
| 130°   | 315.2 | 315.0 | 314.7 | 314.5 | 314.4 | 314.2 | 313.8 | 313.4 | 313.0 | 312.6 | 313.0 |
| 132.5° | 331.3 | 331.3 | 331.3 | 331.3 | 331.3 | 331.1 | 330.7 | 330.4 | 330.0 | 329.6 | 330.0 |
| 135°   | 347.4 | 347.3 | 347.1 | 347.0 | 346.9 | 346.7 | 346.2 | 345.7 | 345.3 | 344.8 | 345.3 |
| 137.5° | 362.4 | 362.4 | 362.4 | 362.4 | 362.4 | 362.2 | 361.8 | 361.5 | 361.1 | 360.7 | 361.1 |
| 140°   | 376.1 | 376.2 | 376.4 | 376.5 | 376.6 | 376.4 | 375.9 | 375.4 | 375.0 | 374.5 | 375.0 |
| 142.5° | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.5 | 389.0 | 388.5 | 388.1 | 387.6 | 388.1 |
| 145°   | 402.2 | 402.2 | 402.3 | 402.4 | 402.4 | 402.2 | 401.7 | 401.2 | 400.8 | 400.3 | 400.8 |
| 147.5° | 413.1 | 413.2 | 413.3 | 413.4 | 413.4 | 413.1 | 412.6 | 412.0 | 411.5 | 410.9 | 411.5 |
| 150°   | 423.5 | 423.6 | 423.8 | 423.9 | 424.0 | 423.7 | 423.0 | 422.4 | 421.7 | 421.1 | 421.7 |
| 152.5° | 432.7 | 432.8 | 433.0 | 433.1 | 433.2 | 432.9 | 432.4 | 431.8 | 431.3 | 430.7 | 431.3 |
| 155°   | 440.8 | 441.1 | 441.3 | 441.6 | 441.7 | 441.4 | 440.7 | 440.1 | 439.4 | 438.8 | 439.4 |
| 157.5° | 447.9 | 448.1 | 448.4 | 448.6 | 448.7 | 448.4 | 447.8 | 447.1 | 446.5 | 445.9 | 446.5 |
| 160°   | 454.3 | 454.6 | 454.9 | 455.2 | 455.4 | 455.1 | 454.5 | 453.8 | 453.2 | 452.6 | 453.2 |
| 162.5° | 460.2 | 460.6 | 461.1 | 461.6 | 461.8 | 461.4 | 460.7 | 460.0 | 459.3 | 458.6 | 459.3 |
| 165°   | 465.1 | 465.6 | 466.1 | 466.6 | 466.8 | 466.5 | 465.8 | 465.2 | 464.5 | 463.9 | 464.5 |
| 167.5° | 469.1 | 469.6 | 470.2 | 470.7 | 471.0 | 470.6 | 469.9 | 469.2 | 468.5 | 467.8 | 468.5 |
| 170°   | 472.0 | 472.6 | 473.3 | 473.9 | 474.2 | 473.8 | 473.1 | 472.4 | 471.7 | 471.0 | 471.7 |
| 172.5° | 474.4 | 474.9 | 475.5 | 476.0 | 476.3 | 475.9 | 475.2 | 474.5 | 473.8 | 473.1 | 473.8 |
| 175°   | 475.8 | 476.5 | 477.1 | 477.8 | 478.1 | 477.7 | 477.0 | 476.3 | 475.6 | 474.9 | 475.6 |
| 177.5° | 476.9 | 477.4 | 478.0 | 478.5 | 478.8 | 478.5 | 477.9 | 477.2 | 476.6 | 476.0 | 476.6 |
| 180°   | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 |

TEST NUMBER: P1027077

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 |
| 2.5°   | 1731.7 | 1722.4 | 1726.4 | 1722.4 | 1718.4 | 1714.4 | 1705.0 | 1691.7 | 1681.0 | 1673.0 | 1671.7 |
| 5°     | 1865.1 | 1853.1 | 1845.1 | 1841.1 | 1833.1 | 1822.4 | 1805.1 | 1785.1 | 1761.1 | 1751.7 | 1733.0 |
| 7.5°   | 1987.9 | 1983.9 | 1965.2 | 1962.5 | 1957.2 | 1937.2 | 1907.8 | 1881.1 | 1850.5 | 1825.1 | 1801.1 |
| 10°    | 2103.9 | 2094.6 | 2081.3 | 2062.6 | 2059.9 | 2034.6 | 2006.5 | 1969.2 | 1929.2 | 1905.2 | 1862.5 |
| 12.5°  | 2176.0 | 2165.3 | 2150.6 | 2138.6 | 2132.0 | 2115.9 | 2077.3 | 2039.9 | 2003.9 | 1959.9 | 1922.5 |
| 15°    | 2228.0 | 2214.7 | 2188.0 | 2178.7 | 2170.6 | 2149.3 | 2121.3 | 2082.6 | 2034.6 | 2003.9 | 1950.5 |
| 17.5°  | 2298.7 | 2282.7 | 2256.0 | 2238.7 | 2224.0 | 2190.7 | 2150.6 | 2098.6 | 2053.2 | 2018.6 | 1970.5 |
| 20°    | 2380.1 | 2356.1 | 2321.4 | 2298.7 | 2277.4 | 2238.7 | 2182.7 | 2121.3 | 2055.9 | 2013.2 | 1963.9 |
| 22.5°  | 2514.9 | 2469.5 | 2414.8 | 2382.8 | 2353.4 | 2286.7 | 2220.0 | 2144.0 | 2070.6 | 2006.5 | 1946.5 |
| 25°    | 2645.6 | 2600.2 | 2532.2 | 2488.2 | 2442.8 | 2365.4 | 2277.4 | 2172.0 | 2078.6 | 2003.9 | 1925.2 |
| 27.5°  | 2767.0 | 2720.3 | 2657.6 | 2604.2 | 2560.2 | 2444.1 | 2328.1 | 2209.3 | 2090.6 | 1987.9 | 1907.8 |
| 30°    | 2795.0 | 2775.0 | 2727.0 | 2680.3 | 2640.3 | 2533.5 | 2398.8 | 2248.0 | 2105.3 | 1973.2 | 1883.8 |
| 32.5°  | 2625.6 | 2675.0 | 2687.0 | 2680.3 | 2654.9 | 2578.9 | 2454.8 | 2296.1 | 2126.6 | 1966.5 | 1843.8 |
| 35°    | 2273.4 | 2362.8 | 2454.8 | 2504.2 | 2528.2 | 2538.9 | 2465.5 | 2320.1 | 2141.3 | 1955.9 | 1817.1 |
| 37.5°  | 1885.1 | 1971.9 | 2117.3 | 2190.7 | 2272.0 | 2378.8 | 2408.1 | 2314.7 | 2134.6 | 1947.8 | 1774.4 |
| 40°    | 1548.9 | 1659.7 | 1779.7 | 1846.5 | 1917.2 | 2109.3 | 2254.7 | 2244.0 | 2113.3 | 1918.5 | 1741.1 |
| 42.5°  | 1260.8 | 1330.1 | 1435.5 | 1508.9 | 1595.6 | 1810.4 | 2005.2 | 2101.3 | 2049.2 | 1882.5 | 1698.4 |
| 45°    | 1051.3 | 1104.7 | 1179.4 | 1254.1 | 1307.5 | 1502.2 | 1733.0 | 1890.5 | 1939.8 | 1818.4 | 1633.0 |
| 47.5°  | 885.9  | 925.9  | 991.3  | 1038.0 | 1095.3 | 1248.8 | 1448.9 | 1670.3 | 1774.4 | 1727.7 | 1563.6 |
| 50°    | 759.1  | 791.1  | 843.2  | 872.5  | 923.2  | 1055.3 | 1207.4 | 1439.5 | 1597.0 | 1602.3 | 1471.6 |
| 52.5°  | 648.4  | 680.4  | 724.4  | 749.8  | 780.5  | 869.9  | 1023.3 | 1219.4 | 1400.8 | 1467.6 | 1366.2 |
| 55°    | 564.3  | 583.0  | 619.0  | 639.1  | 667.1  | 753.8  | 851.2  | 1017.9 | 1207.4 | 1316.8 | 1252.8 |
| 57.5°  | 487.0  | 507.0  | 529.7  | 545.7  | 565.7  | 635.1  | 723.1  | 848.5  | 1036.6 | 1155.4 | 1134.0 |
| 60°    | 424.3  | 436.3  | 457.6  | 469.6  | 488.3  | 533.7  | 595.0  | 720.4  | 869.9  | 981.9  | 993.9  |
| 62.5°  | 365.6  | 376.2  | 390.9  | 401.6  | 413.6  | 449.6  | 495.0  | 584.4  | 715.1  | 836.5  | 852.5  |
| 65°    | 314.9  | 324.2  | 332.2  | 341.5  | 350.9  | 373.6  | 412.2  | 481.6  | 583.0  | 696.4  | 731.1  |
| 67.5°  | 269.5  | 272.2  | 284.2  | 285.5  | 290.8  | 308.2  | 336.2  | 392.2  | 465.6  | 556.3  | 601.7  |
| 70°    | 225.5  | 230.8  | 233.5  | 237.5  | 242.8  | 254.8  | 277.5  | 306.9  | 361.6  | 434.9  | 477.6  |
| 72.5°  | 182.8  | 184.1  | 188.1  | 190.8  | 196.1  | 205.5  | 216.1  | 238.8  | 273.5  | 326.9  | 365.6  |
| 75°    | 145.4  | 146.8  | 149.4  | 150.8  | 154.8  | 157.4  | 162.8  | 178.8  | 202.8  | 234.8  | 262.8  |
| 77.5°  | 109.4  | 112.1  | 114.7  | 114.7  | 116.1  | 118.7  | 121.4  | 126.7  | 138.8  | 160.1  | 184.1  |
| 80°    | 74.7   | 76.0   | 76.0   | 77.4   | 76.0   | 80.0   | 84.1   | 90.7   | 96.1   | 102.7  | 114.7  |
| 82.5°  | 52.0   | 52.0   | 52.0   | 53.4   | 53.4   | 54.7   | 54.7   | 56.0   | 57.4   | 61.4   | 66.7   |
| 85°    | 32.0   | 32.0   | 33.4   | 30.7   | 32.0   | 33.4   | 33.4   | 32.0   | 33.4   | 34.7   | 36.0   |
| 87.5°  | 13.3   | 13.3   | 14.7   | 14.7   | 14.7   | 14.7   | 13.3   | 14.7   | 13.3   | 14.7   | 14.7   |
| 90°    | 8.0    | 7.8    | 7.5    | 7.4    | 7.2    | 6.8    | 6.5    | 6.1    | 5.7    | 5.1    | 4.6    |
| 92.5°  | 7.6    | 7.5    | 7.4    | 7.4    | 7.2    | 6.8    | 6.5    | 6.1    | 5.7    | 5.2    | 4.7    |
| 95°    | 7.4    | 7.4    | 7.4    | 7.4    | 7.2    | 6.8    | 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   | 21.3   |
| 100°   | 8.0    | 8.3    | 8.6    | 8.8    | 14.7   | 26.4   | 38.1   | 49.8   | 61.5   | 61.2   | 60.9   |
| 102.5° | 66.9   | 73.6   | 80.2   | 83.5   | 83.4   | 83.2   | 83.1   | 82.9   | 82.7   | 82.5   | 82.4   |
| 105°   | 105.2  | 105.3  | 105.4  | 105.4  | 105.4  | 105.4  | 105.4  | 105.4  | 105.4  | 105.4  | 105.4  |
| 107.5° | 128.3  | 128.6  | 128.9  | 129.1  | 129.1  | 129.0  | 128.9  | 128.8  | 128.7  | 128.5  | 128.4  |
| 110°   | 151.2  | 151.1  | 151.0  | 151.0  | 151.1  | 151.4  | 151.6  | 151.9  | 152.1  | 151.9  | 151.7  |

TEST NUMBER: P1027077

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 172.9 | 173.1 | 173.2 | 173.3  | 173.5 | 173.8 | 174.1 | 174.4 | 174.7 | 174.6 | 174.5 |
| 115°   | 194.7 | 195.2 | 195.7 | 195.9  | 196.1 | 196.4 | 196.7 | 197.0 | 197.3 | 197.2 | 197.2 |
| 117.5° | 217.1 | 217.3 | 217.4 | 217.5  | 217.7 | 218.2 | 218.7 | 219.1 | 219.6 | 219.3 | 219.0 |
| 120°   | 238.4 | 238.8 | 239.2 | 239.4  | 239.5 | 239.6 | 239.8 | 239.9 | 240.1 | 239.9 | 239.6 |
| 122.5° | 258.3 | 258.8 | 259.3 | 259.5  | 259.6 | 259.8 | 259.9 | 260.1 | 260.3 | 260.2 | 260.1 |
| 125°   | 278.0 | 278.3 | 278.5 | 278.6  | 278.8 | 279.1 | 279.4 | 279.8 | 280.1 | 280.1 | 280.1 |
| 127.5° | 295.4 | 296.1 | 296.7 | 297.0  | 297.1 | 297.2 | 297.4 | 297.5 | 297.7 | 297.8 | 297.9 |
| 130°   | 313.4 | 313.8 | 314.2 | 314.4  | 314.5 | 314.7 | 315.0 | 315.2 | 315.4 | 315.3 | 315.3 |
| 132.5° | 330.4 | 330.7 | 331.1 | 331.3  | 331.3 | 331.3 | 331.3 | 331.3 | 331.3 | 331.5 | 331.8 |
| 135°   | 345.7 | 346.2 | 346.7 | 346.9  | 347.0 | 347.1 | 347.3 | 347.4 | 347.6 | 347.8 | 347.9 |
| 137.5° | 361.5 | 361.8 | 362.2 | 362.4  | 362.4 | 362.4 | 362.4 | 362.4 | 362.4 | 362.6 | 362.8 |
| 140°   | 375.4 | 375.9 | 376.4 | 376.6  | 376.5 | 376.4 | 376.2 | 376.1 | 375.9 | 376.0 | 376.0 |
| 142.5° | 388.5 | 389.0 | 389.5 | 389.7  | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.5 | 389.4 |
| 145°   | 401.2 | 401.7 | 402.2 | 402.4  | 402.4 | 402.3 | 402.2 | 402.2 | 402.1 | 402.1 | 402.1 |
| 147.5° | 412.0 | 412.6 | 413.1 | 413.4  | 413.4 | 413.3 | 413.2 | 413.1 | 413.0 | 412.9 | 412.9 |
| 150°   | 422.4 | 423.0 | 423.7 | 424.0  | 423.9 | 423.8 | 423.6 | 423.5 | 423.3 | 423.1 | 423.0 |
| 152.5° | 431.8 | 432.4 | 432.9 | 433.2  | 433.1 | 433.0 | 432.8 | 432.7 | 432.5 | 432.3 | 432.2 |
| 155°   | 440.1 | 440.7 | 441.4 | 441.7  | 441.6 | 441.3 | 441.1 | 440.8 | 440.6 | 440.4 | 440.3 |
| 157.5° | 447.1 | 447.8 | 448.4 | 448.7  | 448.6 | 448.4 | 448.1 | 447.9 | 447.7 | 447.7 | 447.7 |
| 160°   | 453.8 | 454.5 | 455.1 | 455.4  | 455.2 | 454.9 | 454.6 | 454.3 | 454.0 | 453.9 | 453.9 |
| 162.5° | 460.0 | 460.7 | 461.4 | 461.8  | 461.6 | 461.1 | 460.6 | 460.2 | 459.7 | 459.6 | 459.5 |
| 165°   | 465.2 | 465.8 | 466.5 | 466.8  | 466.6 | 466.1 | 465.6 | 465.1 | 464.6 | 464.5 | 464.5 |
| 167.5° | 469.2 | 469.9 | 470.6 | 471.0  | 470.7 | 470.2 | 469.6 | 469.1 | 468.5 | 468.4 | 468.4 |
| 170°   | 472.4 | 473.1 | 473.8 | 474.2  | 473.9 | 473.3 | 472.6 | 472.0 | 471.4 | 471.3 | 471.2 |
| 172.5° | 474.5 | 475.2 | 475.9 | 476.3  | 476.0 | 475.5 | 474.9 | 474.4 | 473.8 | 473.6 | 473.5 |
| 175°   | 476.3 | 477.0 | 477.7 | 478.1  | 477.8 | 477.1 | 476.5 | 475.8 | 475.2 | 475.1 | 475.1 |
| 177.5° | 477.2 | 477.9 | 478.5 | 478.8  | 478.5 | 478.0 | 477.4 | 476.9 | 476.3 | 476.2 | 476.2 |
| 180°   | 477.0 | 477.0 | 477.0 | 477.0  | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 |

TEST NUMBER: P1027077

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 |
| 2.5°   | 1667.7 | 1659.7 | 1654.3 | 1653.0 | 1645.0 | 1638.3 | 1630.3 | 1629.0 | 1625.0 | 1614.3 | 1607.6 |
| 5°     | 1719.7 | 1701.0 | 1697.0 | 1685.0 | 1665.0 | 1650.3 | 1631.7 | 1621.0 | 1609.0 | 1589.0 | 1573.0 |
| 7.5°   | 1773.1 | 1747.7 | 1729.0 | 1711.7 | 1683.7 | 1657.0 | 1630.3 | 1609.0 | 1587.6 | 1558.3 | 1534.3 |
| 10°    | 1825.1 | 1786.4 | 1763.7 | 1738.4 | 1699.7 | 1659.7 | 1622.3 | 1591.6 | 1556.9 | 1522.3 | 1487.6 |
| 12.5°  | 1873.1 | 1823.8 | 1790.4 | 1754.4 | 1706.4 | 1657.0 | 1609.0 | 1566.3 | 1530.3 | 1483.6 | 1444.9 |
| 15°    | 1902.5 | 1847.8 | 1814.4 | 1779.7 | 1707.7 | 1653.0 | 1597.0 | 1542.3 | 1494.2 | 1444.9 | 1408.9 |
| 17.5°  | 1919.8 | 1858.5 | 1821.1 | 1789.1 | 1715.7 | 1641.0 | 1569.0 | 1510.2 | 1458.2 | 1399.5 | 1351.5 |
| 20°    | 1911.8 | 1851.8 | 1817.1 | 1786.4 | 1701.0 | 1626.3 | 1548.9 | 1480.9 | 1415.5 | 1355.5 | 1304.8 |
| 22.5°  | 1894.5 | 1831.8 | 1793.1 | 1765.1 | 1689.0 | 1601.0 | 1515.6 | 1442.2 | 1374.2 | 1314.1 | 1256.8 |
| 25°    | 1857.1 | 1795.8 | 1762.4 | 1727.7 | 1653.0 | 1569.0 | 1482.2 | 1403.5 | 1331.5 | 1267.4 | 1203.4 |
| 27.5°  | 1823.8 | 1749.1 | 1714.4 | 1683.7 | 1605.0 | 1530.3 | 1444.9 | 1358.2 | 1284.8 | 1218.1 | 1154.0 |
| 30°    | 1785.1 | 1701.0 | 1663.7 | 1622.3 | 1551.6 | 1480.9 | 1395.5 | 1315.5 | 1239.4 | 1168.7 | 1107.3 |
| 32.5°  | 1743.7 | 1646.3 | 1603.6 | 1556.9 | 1484.9 | 1418.2 | 1346.1 | 1267.4 | 1191.4 | 1122.0 | 1058.0 |
| 35°    | 1690.4 | 1586.3 | 1536.9 | 1492.9 | 1418.2 | 1351.5 | 1284.8 | 1219.4 | 1143.4 | 1070.0 | 1008.6 |
| 37.5°  | 1639.7 | 1524.9 | 1472.9 | 1422.2 | 1343.5 | 1279.4 | 1224.7 | 1163.4 | 1090.0 | 1019.3 | 960.6  |
| 40°    | 1582.3 | 1450.2 | 1396.8 | 1350.2 | 1268.8 | 1198.1 | 1148.7 | 1100.7 | 1036.6 | 968.6  | 904.5  |
| 42.5°  | 1530.3 | 1380.8 | 1324.8 | 1276.8 | 1191.4 | 1124.7 | 1078.0 | 1038.0 | 981.9  | 919.2  | 853.9  |
| 45°    | 1458.2 | 1306.1 | 1248.8 | 1198.1 | 1111.3 | 1048.6 | 1000.6 | 965.9  | 921.9  | 863.2  | 804.5  |
| 47.5°  | 1391.5 | 1234.1 | 1171.4 | 1110.0 | 1031.3 | 967.3  | 923.2  | 896.5  | 867.2  | 815.2  | 755.1  |
| 50°    | 1310.1 | 1151.4 | 1087.3 | 1036.6 | 947.2  | 892.5  | 848.5  | 829.8  | 803.2  | 753.8  | 705.8  |
| 52.5°  | 1222.1 | 1071.3 | 1011.3 | 949.9  | 867.2  | 813.8  | 775.1  | 753.8  | 732.4  | 696.4  | 651.1  |
| 55°    | 1119.3 | 981.9  | 925.9  | 871.2  | 788.5  | 739.1  | 704.4  | 681.7  | 669.7  | 636.4  | 603.0  |
| 57.5°  | 1020.6 | 891.2  | 839.2  | 788.5  | 716.4  | 660.4  | 637.7  | 617.7  | 600.4  | 576.3  | 548.3  |
| 60°    | 920.6  | 803.2  | 747.1  | 701.8  | 639.1  | 588.4  | 569.7  | 549.7  | 536.3  | 517.6  | 497.6  |
| 62.5°  | 805.8  | 705.8  | 663.1  | 620.4  | 567.0  | 527.0  | 505.6  | 489.6  | 472.3  | 460.3  | 442.9  |
| 65°    | 684.4  | 613.7  | 572.3  | 540.3  | 489.6  | 453.6  | 437.6  | 426.9  | 412.2  | 400.2  | 386.9  |
| 67.5°  | 571.0  | 515.0  | 497.6  | 462.9  | 424.3  | 392.2  | 380.2  | 366.9  | 354.9  | 348.2  | 336.2  |
| 70°    | 461.6  | 421.6  | 404.2  | 394.9  | 352.2  | 330.9  | 320.2  | 314.9  | 300.2  | 293.5  | 285.5  |
| 72.5°  | 357.5  | 342.9  | 330.9  | 318.9  | 290.8  | 277.5  | 265.5  | 260.2  | 249.5  | 244.1  | 241.5  |
| 75°    | 264.2  | 254.8  | 248.2  | 246.8  | 234.8  | 221.5  | 209.5  | 206.8  | 198.8  | 193.5  | 190.8  |
| 77.5°  | 185.4  | 182.8  | 181.4  | 182.8  | 174.8  | 166.8  | 164.1  | 161.4  | 152.1  | 150.8  | 150.8  |
| 80°    | 121.4  | 128.1  | 128.1  | 126.7  | 124.1  | 122.7  | 118.7  | 116.1  | 110.7  | 109.4  | 110.7  |
| 82.5°  | 74.7   | 78.7   | 80.0   | 82.7   | 81.4   | 80.0   | 77.4   | 76.0   | 77.4   | 74.7   | 76.0   |
| 85°    | 37.4   | 40.0   | 45.4   | 45.4   | 46.7   | 46.7   | 46.7   | 45.4   | 42.7   | 44.0   | 42.7   |
| 87.5°  | 14.7   | 16.0   | 16.0   | 16.0   | 14.7   | 18.7   | 20.0   | 20.0   | 20.0   | 17.3   | 17.3   |
| 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°  | 4.2    | 3.7    | 3.5    | 3.9    | 4.6    | 5.3    | 6.0    | 6.7    | 6.0    | 5.3    | 4.6    |
| 95°    | 14.6   | 17.6   | 19.1   | 19.2   | 19.5   | 19.7   | 20.0   | 20.2   | 20.0   | 19.7   | 19.5   |
| 97.5°  | 28.8   | 36.3   | 40.0   | 39.8   | 39.3   | 38.8   | 38.3   | 37.8   | 38.3   | 38.8   | 39.3   |
| 100°   | 60.6   | 60.3   | 60.1   | 60.0   | 59.8   | 59.5   | 59.3   | 59.1   | 59.3   | 59.5   | 59.8   |
| 102.5° | 82.2   | 82.1   | 82.0   | 81.8   | 81.5   | 81.2   | 80.9   | 80.6   | 80.9   | 81.2   | 81.5   |
| 105°   | 105.4  | 105.4  | 105.4  | 105.2  | 104.9  | 104.6  | 104.3  | 104.0  | 104.3  | 104.6  | 104.9  |
| 107.5° | 128.2  | 128.1  | 128.0  | 128.0  | 128.0  | 128.0  | 128.0  | 128.0  | 128.0  | 128.0  | 128.0  |
| 110°   | 151.6  | 151.4  | 151.3  | 151.3  | 151.3  | 151.3  | 151.3  | 151.3  | 151.3  | 151.3  | 151.3  |

TEST NUMBER: P1027077

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 174.4 | 174.3 | 174.3  | 174.2 | 174.0 | 173.7 | 173.5 | 173.3 | 173.5 | 173.7 | 174.0 |
| 115°   | 197.1 | 197.0 | 197.0  | 196.8 | 196.4 | 196.0 | 195.6 | 195.2 | 195.6 | 196.0 | 196.4 |
| 117.5° | 218.7 | 218.4 | 218.2  | 218.2 | 218.2 | 218.2 | 218.2 | 218.2 | 218.2 | 218.2 | 218.2 |
| 120°   | 239.4 | 239.1 | 239.0  | 239.0 | 239.1 | 239.2 | 239.3 | 239.4 | 239.3 | 239.2 | 239.1 |
| 122.5° | 260.0 | 259.9 | 259.9  | 259.7 | 259.3 | 258.9 | 258.5 | 258.1 | 258.5 | 258.9 | 259.3 |
| 125°   | 280.1 | 280.1 | 280.1  | 279.8 | 279.3 | 278.7 | 278.2 | 277.6 | 278.2 | 278.7 | 279.3 |
| 127.5° | 298.0 | 298.1 | 298.1  | 297.9 | 297.5 | 297.1 | 296.7 | 296.3 | 296.7 | 297.1 | 297.5 |
| 130°   | 315.2 | 315.1 | 315.1  | 314.9 | 314.5 | 314.1 | 313.7 | 313.3 | 313.7 | 314.1 | 314.5 |
| 132.5° | 332.0 | 332.3 | 332.4  | 332.2 | 331.7 | 331.2 | 330.8 | 330.3 | 330.8 | 331.2 | 331.7 |
| 135°   | 348.1 | 348.2 | 348.3  | 348.1 | 347.6 | 347.1 | 346.7 | 346.2 | 346.7 | 347.1 | 347.6 |
| 137.5° | 362.9 | 363.1 | 363.2  | 363.0 | 362.5 | 362.0 | 361.5 | 361.0 | 361.5 | 362.0 | 362.5 |
| 140°   | 376.1 | 376.2 | 376.2  | 376.1 | 376.0 | 375.8 | 375.7 | 375.5 | 375.7 | 375.8 | 376.0 |
| 142.5° | 389.2 | 389.1 | 389.0  | 389.0 | 388.9 | 388.8 | 388.7 | 388.6 | 388.7 | 388.8 | 388.9 |
| 145°   | 402.1 | 402.1 | 402.1  | 402.0 | 401.8 | 401.7 | 401.5 | 401.3 | 401.5 | 401.7 | 401.8 |
| 147.5° | 412.8 | 412.7 | 412.7  | 412.7 | 412.7 | 412.7 | 412.7 | 412.7 | 412.7 | 412.7 | 412.7 |
| 150°   | 422.8 | 422.7 | 422.6  | 422.7 | 422.8 | 423.0 | 423.1 | 423.3 | 423.1 | 423.0 | 422.8 |
| 152.5° | 432.0 | 431.9 | 431.8  | 432.0 | 432.4 | 432.7 | 433.1 | 433.5 | 433.1 | 432.7 | 432.4 |
| 155°   | 440.1 | 440.0 | 439.9  | 440.1 | 440.6 | 441.1 | 441.5 | 442.0 | 441.5 | 441.1 | 440.6 |
| 157.5° | 447.7 | 447.7 | 447.7  | 447.8 | 448.0 | 448.3 | 448.5 | 448.7 | 448.5 | 448.3 | 448.0 |
| 160°   | 453.8 | 453.7 | 453.7  | 453.9 | 454.4 | 454.9 | 455.3 | 455.8 | 455.3 | 454.9 | 454.4 |
| 162.5° | 459.4 | 459.3 | 459.3  | 459.5 | 460.0 | 460.5 | 461.0 | 461.5 | 461.0 | 460.5 | 460.0 |
| 165°   | 464.4 | 464.3 | 464.3  | 464.5 | 465.0 | 465.5 | 465.9 | 466.4 | 465.9 | 465.5 | 465.0 |
| 167.5° | 468.3 | 468.2 | 468.2  | 468.4 | 468.9 | 469.4 | 469.8 | 470.3 | 469.8 | 469.4 | 468.9 |
| 170°   | 471.1 | 471.0 | 471.0  | 471.3 | 471.8 | 472.4 | 472.9 | 473.5 | 472.9 | 472.4 | 471.8 |
| 172.5° | 473.3 | 473.2 | 473.1  | 473.4 | 473.9 | 474.5 | 475.0 | 475.6 | 475.0 | 474.5 | 473.9 |
| 175°   | 475.0 | 474.9 | 474.9  | 475.1 | 475.6 | 476.1 | 476.5 | 477.0 | 476.5 | 476.1 | 475.6 |
| 177.5° | 476.1 | 476.0 | 476.0  | 476.2 | 476.7 | 477.2 | 477.6 | 478.1 | 477.6 | 477.2 | 476.7 |
| 180°   | 477.0 | 477.0 | 477.0  | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 |

TEST NUMBER: P1027077

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 |
| 2.5°   | 1603.6 | 1598.3 | 1594.3 | 1590.3 | 1573.0 | 1554.3 | 1551.6 | 1547.6 | 1539.6 | 1548.9 | 1544.9 |
| 5°     | 1562.3 | 1550.3 | 1543.6 | 1526.3 | 1504.9 | 1488.9 | 1475.6 | 1459.6 | 1452.9 | 1447.5 | 1446.2 |
| 7.5°   | 1511.6 | 1500.9 | 1488.9 | 1471.6 | 1444.9 | 1418.2 | 1398.2 | 1382.2 | 1368.8 | 1362.2 | 1362.2 |
| 10°    | 1462.2 | 1448.9 | 1432.9 | 1403.5 | 1378.2 | 1344.8 | 1323.5 | 1307.5 | 1288.8 | 1278.1 | 1268.8 |
| 12.5°  | 1411.5 | 1396.8 | 1382.2 | 1344.8 | 1315.5 | 1280.8 | 1250.1 | 1230.1 | 1220.7 | 1208.7 | 1192.7 |
| 15°    | 1360.8 | 1338.1 | 1323.5 | 1286.1 | 1248.8 | 1214.1 | 1194.1 | 1172.7 | 1151.4 | 1139.4 | 1134.0 |
| 17.5°  | 1307.5 | 1291.4 | 1267.4 | 1227.4 | 1186.1 | 1155.4 | 1126.0 | 1106.0 | 1080.7 | 1068.6 | 1056.6 |
| 20°    | 1259.4 | 1235.4 | 1211.4 | 1171.4 | 1131.4 | 1090.0 | 1060.6 | 1036.6 | 1020.6 | 1011.3 | 1000.6 |
| 22.5°  | 1202.1 | 1179.4 | 1159.4 | 1116.7 | 1072.6 | 1034.0 | 1001.9 | 987.3  | 971.3  | 956.6  | 945.9  |
| 25°    | 1152.7 | 1130.0 | 1110.0 | 1063.3 | 1015.3 | 979.3  | 955.2  | 936.6  | 919.2  | 912.6  | 901.9  |
| 27.5°  | 1100.7 | 1079.3 | 1052.6 | 1005.9 | 963.3  | 932.6  | 907.2  | 889.9  | 876.5  | 863.2  | 855.2  |
| 30°    | 1051.3 | 1027.3 | 1003.3 | 952.6  | 917.9  | 887.2  | 863.2  | 841.8  | 831.2  | 824.5  | 811.2  |
| 32.5°  | 1003.3 | 972.6  | 952.6  | 905.9  | 872.5  | 843.2  | 823.2  | 804.5  | 791.1  | 779.1  | 768.5  |
| 35°    | 951.2  | 917.9  | 897.9  | 859.2  | 824.5  | 795.1  | 777.8  | 764.5  | 748.5  | 737.8  | 732.4  |
| 37.5°  | 901.9  | 873.9  | 853.9  | 813.8  | 779.1  | 755.1  | 736.4  | 719.1  | 712.4  | 697.8  | 695.1  |
| 40°    | 848.5  | 824.5  | 805.8  | 767.1  | 735.1  | 716.4  | 696.4  | 680.4  | 668.4  | 661.7  | 652.4  |
| 42.5°  | 800.5  | 780.5  | 760.5  | 724.4  | 693.8  | 671.1  | 656.4  | 641.7  | 631.0  | 620.4  | 613.7  |
| 45°    | 756.5  | 735.1  | 716.4  | 681.7  | 651.1  | 631.0  | 616.4  | 599.0  | 596.4  | 581.7  | 575.0  |
| 47.5°  | 709.8  | 691.1  | 675.1  | 639.1  | 611.0  | 591.0  | 573.7  | 561.7  | 549.7  | 544.3  | 535.0  |
| 50°    | 664.4  | 645.7  | 627.0  | 595.0  | 569.7  | 549.7  | 532.3  | 519.0  | 512.3  | 504.3  | 496.3  |
| 52.5°  | 615.0  | 600.4  | 585.7  | 552.3  | 527.0  | 509.6  | 495.0  | 477.6  | 471.0  | 464.3  | 458.9  |
| 55°    | 573.7  | 552.3  | 536.3  | 508.3  | 485.6  | 466.9  | 450.9  | 437.6  | 430.9  | 425.6  | 418.9  |
| 57.5°  | 517.6  | 504.3  | 491.0  | 465.6  | 444.3  | 425.6  | 409.6  | 398.9  | 390.9  | 386.9  | 388.2  |
| 60°    | 469.6  | 454.9  | 446.9  | 420.3  | 398.9  | 384.2  | 369.6  | 358.9  | 350.9  | 346.9  | 345.5  |
| 62.5°  | 418.9  | 408.2  | 393.6  | 374.9  | 353.5  | 340.2  | 329.5  | 321.5  | 308.2  | 306.9  | 302.9  |
| 65°    | 369.6  | 361.6  | 348.2  | 330.9  | 313.5  | 301.5  | 289.5  | 278.8  | 273.5  | 266.8  | 262.8  |
| 67.5°  | 321.5  | 313.5  | 301.5  | 286.8  | 274.8  | 262.8  | 252.2  | 241.5  | 232.1  | 226.8  | 224.1  |
| 70°    | 274.8  | 268.2  | 260.2  | 242.8  | 228.1  | 218.8  | 210.8  | 204.1  | 194.8  | 192.1  | 190.8  |
| 72.5°  | 229.5  | 222.8  | 218.8  | 204.1  | 190.8  | 182.8  | 174.8  | 168.1  | 164.1  | 162.8  | 158.8  |
| 75°    | 188.1  | 181.4  | 176.1  | 162.8  | 154.8  | 149.4  | 141.4  | 138.8  | 134.7  | 133.4  | 132.1  |
| 77.5°  | 146.8  | 140.1  | 138.8  | 129.4  | 120.1  | 117.4  | 114.7  | 109.4  | 109.4  | 109.4  | 106.7  |
| 80°    | 105.4  | 104.1  | 102.7  | 93.4   | 89.4   | 86.7   | 85.4   | 81.4   | 78.7   | 76.0   | 74.7   |
| 82.5°  | 70.7   | 69.4   | 68.0   | 64.0   | 60.0   | 58.7   | 57.4   | 54.7   | 54.7   | 56.0   | 53.4   |
| 85°    | 42.7   | 40.0   | 38.7   | 37.4   | 34.7   | 34.7   | 36.0   | 34.7   | 34.7   | 34.7   | 33.4   |
| 87.5°  | 16.0   | 16.0   | 16.0   | 16.0   | 17.3   | 14.7   | 16.0   | 16.0   | 14.7   | 14.7   | 13.3   |
| 90°    | 2.9    | 3.2    | 3.5    | 4.0    | 4.6    | 5.1    | 5.7    | 6.1    | 6.5    | 6.8    | 7.2    |
| 92.5°  | 3.9    | 3.5    | 3.7    | 4.2    | 4.7    | 5.2    | 5.7    | 6.1    | 6.5    | 6.8    | 7.2    |
| 95°    | 19.2   | 19.1   | 17.6   | 14.6   | 11.7   | 8.7    | 5.7    | 6.1    | 6.5    | 6.8    | 7.2    |
| 97.5°  | 39.8   | 40.0   | 36.3   | 28.8   | 21.3   | 13.9   | 6.4    | 6.6    | 6.7    | 6.9    | 7.0    |
| 100°   | 60.0   | 60.1   | 60.3   | 60.6   | 60.9   | 61.2   | 61.5   | 49.8   | 38.1   | 26.4   | 14.7   |
| 102.5° | 81.8   | 82.0   | 82.1   | 82.2   | 82.4   | 82.5   | 82.7   | 82.9   | 83.1   | 83.2   | 83.4   |
| 105°   | 105.2  | 105.4  | 105.4  | 105.4  | 105.4  | 105.4  | 105.4  | 105.4  | 105.4  | 105.4  | 105.4  |
| 107.5° | 128.0  | 128.0  | 128.1  | 128.2  | 128.4  | 128.5  | 128.7  | 128.8  | 128.9  | 129.0  | 129.1  |
| 110°   | 151.3  | 151.3  | 151.4  | 151.6  | 151.7  | 151.9  | 152.1  | 151.9  | 151.6  | 151.4  | 151.1  |

TEST NUMBER: P1027077

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 174.2 | 174.3  | 174.3 | 174.4 | 174.5 | 174.6 | 174.7 | 174.4 | 174.1 | 173.8 | 173.5 |
| 115°   | 196.8 | 197.0  | 197.0 | 197.1 | 197.2 | 197.2 | 197.3 | 197.0 | 196.7 | 196.4 | 196.1 |
| 117.5° | 218.2 | 218.2  | 218.4 | 218.7 | 219.0 | 219.3 | 219.6 | 219.1 | 218.7 | 218.2 | 217.7 |
| 120°   | 239.0 | 239.0  | 239.1 | 239.4 | 239.6 | 239.9 | 240.1 | 239.9 | 239.8 | 239.6 | 239.5 |
| 122.5° | 259.7 | 259.9  | 259.9 | 260.0 | 260.1 | 260.2 | 260.3 | 260.1 | 259.9 | 259.8 | 259.6 |
| 125°   | 279.8 | 280.1  | 280.1 | 280.1 | 280.1 | 280.1 | 280.1 | 279.8 | 279.4 | 279.1 | 278.8 |
| 127.5° | 297.9 | 298.1  | 298.1 | 298.0 | 297.9 | 297.8 | 297.7 | 297.5 | 297.4 | 297.2 | 297.1 |
| 130°   | 314.9 | 315.1  | 315.1 | 315.2 | 315.3 | 315.3 | 315.4 | 315.2 | 315.0 | 314.7 | 314.5 |
| 132.5° | 332.2 | 332.4  | 332.3 | 332.0 | 331.8 | 331.5 | 331.3 | 331.3 | 331.3 | 331.3 | 331.3 |
| 135°   | 348.1 | 348.3  | 348.2 | 348.1 | 347.9 | 347.8 | 347.6 | 347.4 | 347.3 | 347.1 | 347.0 |
| 137.5° | 363.0 | 363.2  | 363.1 | 362.9 | 362.8 | 362.6 | 362.4 | 362.4 | 362.4 | 362.4 | 362.4 |
| 140°   | 376.1 | 376.2  | 376.2 | 376.1 | 376.0 | 376.0 | 375.9 | 376.1 | 376.2 | 376.4 | 376.5 |
| 142.5° | 389.0 | 389.0  | 389.1 | 389.2 | 389.4 | 389.5 | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 |
| 145°   | 402.0 | 402.1  | 402.1 | 402.1 | 402.1 | 402.1 | 402.1 | 402.2 | 402.2 | 402.3 | 402.4 |
| 147.5° | 412.7 | 412.7  | 412.7 | 412.8 | 412.9 | 412.9 | 413.0 | 413.1 | 413.2 | 413.3 | 413.4 |
| 150°   | 422.7 | 422.6  | 422.7 | 422.8 | 423.0 | 423.1 | 423.3 | 423.5 | 423.6 | 423.8 | 423.9 |
| 152.5° | 432.0 | 431.8  | 431.9 | 432.0 | 432.2 | 432.3 | 432.5 | 432.7 | 432.8 | 433.0 | 433.1 |
| 155°   | 440.1 | 439.9  | 440.0 | 440.1 | 440.3 | 440.4 | 440.6 | 440.8 | 441.1 | 441.3 | 441.6 |
| 157.5° | 447.8 | 447.7  | 447.7 | 447.7 | 447.7 | 447.7 | 447.7 | 447.9 | 448.1 | 448.4 | 448.6 |
| 160°   | 453.9 | 453.7  | 453.7 | 453.8 | 453.9 | 453.9 | 454.0 | 454.3 | 454.6 | 454.9 | 455.2 |
| 162.5° | 459.5 | 459.3  | 459.3 | 459.4 | 459.5 | 459.6 | 459.7 | 460.2 | 460.6 | 461.1 | 461.6 |
| 165°   | 464.5 | 464.3  | 464.3 | 464.4 | 464.5 | 464.5 | 464.6 | 465.1 | 465.6 | 466.1 | 466.6 |
| 167.5° | 468.4 | 468.2  | 468.2 | 468.3 | 468.4 | 468.4 | 468.5 | 469.1 | 469.6 | 470.2 | 470.7 |
| 170°   | 471.3 | 471.0  | 471.0 | 471.1 | 471.2 | 471.3 | 471.4 | 472.0 | 472.6 | 473.3 | 473.9 |
| 172.5° | 473.4 | 473.1  | 473.2 | 473.3 | 473.5 | 473.6 | 473.8 | 474.4 | 474.9 | 475.5 | 476.0 |
| 175°   | 475.1 | 474.9  | 474.9 | 475.0 | 475.1 | 475.1 | 475.2 | 475.8 | 476.5 | 477.1 | 477.8 |
| 177.5° | 476.2 | 476.0  | 476.0 | 476.1 | 476.2 | 476.2 | 476.3 | 476.9 | 477.4 | 478.0 | 478.5 |
| 180°   | 477.0 | 477.0  | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 |

TEST NUMBER: P1027077

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 |
| 2.5°   | 1538.3 | 1540.9 | 1534.3 | 1531.6 | 1526.3 | 1532.9 | 1534.3 | 1532.9 | 1544.9 | 1539.6 | 1542.3 |
| 5°     | 1448.9 | 1443.5 | 1439.5 | 1430.2 | 1430.2 | 1431.5 | 1435.5 | 1428.9 | 1432.9 | 1442.2 | 1440.9 |
| 7.5°   | 1350.2 | 1347.5 | 1348.8 | 1338.1 | 1330.1 | 1332.8 | 1330.1 | 1342.1 | 1348.8 | 1346.1 | 1351.5 |
| 10°    | 1260.8 | 1266.1 | 1254.1 | 1248.8 | 1243.4 | 1248.8 | 1247.4 | 1250.1 | 1258.1 | 1263.4 | 1272.8 |
| 12.5°  | 1188.7 | 1187.4 | 1180.7 | 1175.4 | 1166.0 | 1168.7 | 1176.7 | 1174.0 | 1175.4 | 1187.4 | 1186.1 |
| 15°    | 1120.7 | 1112.7 | 1107.3 | 1095.3 | 1098.0 | 1088.7 | 1096.7 | 1106.0 | 1110.0 | 1120.7 | 1127.3 |
| 17.5°  | 1052.6 | 1051.3 | 1044.6 | 1043.3 | 1028.6 | 1024.6 | 1032.6 | 1035.3 | 1039.3 | 1044.6 | 1054.0 |
| 20°    | 995.3  | 993.9  | 984.6  | 981.9  | 969.9  | 977.9  | 975.3  | 980.6  | 983.3  | 993.9  | 997.9  |
| 22.5°  | 943.2  | 936.6  | 933.9  | 929.9  | 925.9  | 924.6  | 929.9  | 928.6  | 937.9  | 941.9  | 943.2  |
| 25°    | 895.2  | 889.9  | 888.5  | 881.9  | 879.2  | 875.2  | 879.2  | 883.2  | 893.9  | 897.9  | 903.2  |
| 27.5°  | 851.2  | 847.2  | 844.5  | 839.2  | 835.2  | 835.2  | 837.8  | 843.2  | 847.2  | 849.8  | 852.5  |
| 30°    | 811.2  | 808.5  | 800.5  | 797.8  | 793.8  | 793.8  | 793.8  | 796.5  | 803.2  | 811.2  | 815.2  |
| 32.5°  | 769.8  | 764.5  | 759.1  | 759.1  | 755.1  | 755.1  | 756.5  | 759.1  | 765.8  | 767.1  | 773.8  |
| 35°    | 729.8  | 724.4  | 720.4  | 717.8  | 719.1  | 713.8  | 716.4  | 720.4  | 728.4  | 731.1  | 735.1  |
| 37.5°  | 691.1  | 689.8  | 681.7  | 677.7  | 680.4  | 680.4  | 679.1  | 681.7  | 687.1  | 692.4  | 695.1  |
| 40°    | 648.4  | 645.7  | 645.7  | 641.7  | 643.1  | 637.7  | 641.7  | 644.4  | 647.1  | 652.4  | 656.4  |
| 42.5°  | 611.0  | 608.4  | 603.0  | 604.4  | 600.4  | 600.4  | 603.0  | 604.4  | 608.4  | 615.0  | 617.7  |
| 45°    | 571.0  | 571.0  | 568.3  | 564.3  | 565.7  | 561.7  | 564.3  | 565.7  | 571.0  | 577.7  | 575.0  |
| 47.5°  | 532.3  | 531.0  | 531.0  | 525.7  | 528.3  | 524.3  | 528.3  | 529.7  | 532.3  | 536.3  | 535.0  |
| 50°    | 495.0  | 491.0  | 492.3  | 491.0  | 489.6  | 489.6  | 492.3  | 492.3  | 495.0  | 495.0  | 499.0  |
| 52.5°  | 456.3  | 456.3  | 453.6  | 454.9  | 457.6  | 454.9  | 458.9  | 454.9  | 457.6  | 458.9  | 461.6  |
| 55°    | 421.6  | 418.9  | 420.3  | 418.9  | 424.3  | 420.3  | 424.3  | 421.6  | 424.3  | 422.9  | 425.6  |
| 57.5°  | 384.2  | 380.2  | 381.6  | 380.2  | 384.2  | 382.9  | 386.9  | 382.9  | 384.2  | 385.6  | 389.6  |
| 60°    | 341.5  | 341.5  | 341.5  | 338.9  | 342.9  | 342.9  | 341.5  | 341.5  | 346.9  | 349.5  | 348.2  |
| 62.5°  | 301.5  | 300.2  | 296.2  | 294.8  | 296.2  | 293.5  | 298.8  | 297.5  | 300.2  | 302.9  | 305.5  |
| 65°    | 257.5  | 254.8  | 253.5  | 250.8  | 250.8  | 249.5  | 250.8  | 256.2  | 257.5  | 258.8  | 265.5  |
| 67.5°  | 221.5  | 220.1  | 218.8  | 214.8  | 214.8  | 217.5  | 217.5  | 217.5  | 225.5  | 221.5  | 226.8  |
| 70°    | 189.4  | 186.8  | 184.1  | 182.8  | 182.8  | 184.1  | 185.4  | 186.8  | 185.4  | 190.8  | 192.1  |
| 72.5°  | 158.8  | 160.1  | 157.4  | 157.4  | 157.4  | 156.1  | 156.1  | 158.8  | 160.1  | 158.8  | 160.1  |
| 75°    | 132.1  | 132.1  | 130.7  | 132.1  | 132.1  | 130.7  | 130.7  | 133.4  | 133.4  | 132.1  | 136.1  |
| 77.5°  | 106.7  | 105.4  | 102.7  | 100.1  | 101.4  | 100.1  | 101.4  | 100.1  | 104.1  | 108.1  | 105.4  |
| 80°    | 74.7   | 73.4   | 73.4   | 73.4   | 74.7   | 73.4   | 76.0   | 73.4   | 74.7   | 74.7   | 76.0   |
| 82.5°  | 53.4   | 54.7   | 54.7   | 53.4   | 54.7   | 53.4   | 54.7   | 54.7   | 54.7   | 53.4   | 54.7   |
| 85°    | 34.7   | 34.7   | 34.7   | 34.7   | 33.4   | 34.7   | 34.7   | 34.7   | 36.0   | 34.7   | 36.0   |
| 87.5°  | 14.7   | 14.7   | 14.7   | 14.7   | 14.7   | 14.7   | 14.7   | 14.7   | 16.0   | 14.7   | 16.0   |
| 90°    | 7.4    | 7.5    | 7.8    | 8.0    | 8.3    | 8.5    | 8.3    | 8.0    | 7.8    | 7.5    | 7.4    |
| 92.5°  | 7.4    | 7.4    | 7.5    | 7.6    | 7.7    | 7.8    | 7.7    | 7.6    | 7.5    | 7.4    | 7.4    |
| 95°    | 7.4    | 7.4    | 7.4    | 7.4    | 7.4    | 7.4    | 7.4    | 7.4    | 7.4    | 7.4    | 7.4    |
| 97.5°  | 7.1    | 7.1    | 7.2    | 7.3    | 7.3    | 7.4    | 7.3    | 7.3    | 7.2    | 7.1    | 7.1    |
| 100°   | 8.8    | 8.6    | 8.3    | 8.0    | 7.7    | 7.4    | 7.7    | 8.0    | 8.3    | 8.6    | 8.8    |
| 102.5° | 83.5   | 80.2   | 73.6   | 66.9   | 60.3   | 53.7   | 60.3   | 66.9   | 73.6   | 80.2   | 83.5   |
| 105°   | 105.4  | 105.4  | 105.3  | 105.2  | 105.1  | 105.0  | 105.1  | 105.2  | 105.3  | 105.4  | 105.4  |
| 107.5° | 129.1  | 128.9  | 128.6  | 128.3  | 128.0  | 127.7  | 128.0  | 128.3  | 128.6  | 128.9  | 129.1  |
| 110°   | 151.0  | 151.0  | 151.1  | 151.2  | 151.2  | 151.3  | 151.2  | 151.2  | 151.1  | 151.0  | 151.0  |

TEST NUMBER: P1027077

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 173.3  | 173.2 | 173.1 | 172.9 | 172.8 | 172.6 | 172.8 | 172.9 | 173.1 | 173.2 | 173.3  |
| 115°   | 195.9  | 195.7 | 195.2 | 194.7 | 194.3 | 193.8 | 194.3 | 194.7 | 195.2 | 195.7 | 195.9  |
| 117.5° | 217.5  | 217.4 | 217.3 | 217.1 | 217.0 | 216.8 | 217.0 | 217.1 | 217.3 | 217.4 | 217.5  |
| 120°   | 239.4  | 239.2 | 238.8 | 238.4 | 238.0 | 237.6 | 238.0 | 238.4 | 238.8 | 239.2 | 239.4  |
| 122.5° | 259.5  | 259.3 | 258.8 | 258.3 | 257.9 | 257.4 | 257.9 | 258.3 | 258.8 | 259.3 | 259.5  |
| 125°   | 278.6  | 278.5 | 278.3 | 278.0 | 277.8 | 277.6 | 277.8 | 278.0 | 278.3 | 278.5 | 278.6  |
| 127.5° | 297.0  | 296.7 | 296.1 | 295.4 | 294.8 | 294.2 | 294.8 | 295.4 | 296.1 | 296.7 | 297.0  |
| 130°   | 314.4  | 314.2 | 313.8 | 313.4 | 313.0 | 312.6 | 313.0 | 313.4 | 313.8 | 314.2 | 314.4  |
| 132.5° | 331.3  | 331.1 | 330.7 | 330.4 | 330.0 | 329.6 | 330.0 | 330.4 | 330.7 | 331.1 | 331.3  |
| 135°   | 346.9  | 346.7 | 346.2 | 345.7 | 345.3 | 344.8 | 345.3 | 345.7 | 346.2 | 346.7 | 346.9  |
| 137.5° | 362.4  | 362.2 | 361.8 | 361.5 | 361.1 | 360.7 | 361.1 | 361.5 | 361.8 | 362.2 | 362.4  |
| 140°   | 376.6  | 376.4 | 375.9 | 375.4 | 375.0 | 374.5 | 375.0 | 375.4 | 375.9 | 376.4 | 376.6  |
| 142.5° | 389.7  | 389.5 | 389.0 | 388.5 | 388.1 | 387.6 | 388.1 | 388.5 | 389.0 | 389.5 | 389.7  |
| 145°   | 402.4  | 402.2 | 401.7 | 401.2 | 400.8 | 400.3 | 400.8 | 401.2 | 401.7 | 402.2 | 402.4  |
| 147.5° | 413.4  | 413.1 | 412.6 | 412.0 | 411.5 | 410.9 | 411.5 | 412.0 | 412.6 | 413.1 | 413.4  |
| 150°   | 424.0  | 423.7 | 423.0 | 422.4 | 421.7 | 421.1 | 421.7 | 422.4 | 423.0 | 423.7 | 424.0  |
| 152.5° | 433.2  | 432.9 | 432.4 | 431.8 | 431.3 | 430.7 | 431.3 | 431.8 | 432.4 | 432.9 | 433.2  |
| 155°   | 441.7  | 441.4 | 440.7 | 440.1 | 439.4 | 438.8 | 439.4 | 440.1 | 440.7 | 441.4 | 441.7  |
| 157.5° | 448.7  | 448.4 | 447.8 | 447.1 | 446.5 | 445.9 | 446.5 | 447.1 | 447.8 | 448.4 | 448.7  |
| 160°   | 455.4  | 455.1 | 454.5 | 453.8 | 453.2 | 452.6 | 453.2 | 453.8 | 454.5 | 455.1 | 455.4  |
| 162.5° | 461.8  | 461.4 | 460.7 | 460.0 | 459.3 | 458.6 | 459.3 | 460.0 | 460.7 | 461.4 | 461.8  |
| 165°   | 466.8  | 466.5 | 465.8 | 465.2 | 464.5 | 463.9 | 464.5 | 465.2 | 465.8 | 466.5 | 466.8  |
| 167.5° | 471.0  | 470.6 | 469.9 | 469.2 | 468.5 | 467.8 | 468.5 | 469.2 | 469.9 | 470.6 | 471.0  |
| 170°   | 474.2  | 473.8 | 473.1 | 472.4 | 471.7 | 471.0 | 471.7 | 472.4 | 473.1 | 473.8 | 474.2  |
| 172.5° | 476.3  | 475.9 | 475.2 | 474.5 | 473.8 | 473.1 | 473.8 | 474.5 | 475.2 | 475.9 | 476.3  |
| 175°   | 478.1  | 477.7 | 477.0 | 476.3 | 475.6 | 474.9 | 475.6 | 476.3 | 477.0 | 477.7 | 478.1  |
| 177.5° | 478.8  | 478.5 | 477.9 | 477.2 | 476.6 | 476.0 | 476.6 | 477.2 | 477.9 | 478.5 | 478.8  |
| 180°   | 477.0  | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0  |

TEST NUMBER: P1027077

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 | 1625.0 |
| 2.5°   | 1536.9 | 1543.6 | 1538.3 | 1534.3 | 1544.9 | 1550.3 | 1550.3 | 1559.6 | 1569.0 | 1577.0 | 1578.3 |
| 5°     | 1442.2 | 1452.9 | 1455.5 | 1454.2 | 1470.2 | 1478.2 | 1495.6 | 1504.9 | 1518.3 | 1527.6 | 1538.3 |
| 7.5°   | 1355.5 | 1370.2 | 1371.5 | 1374.2 | 1398.2 | 1411.5 | 1426.2 | 1450.2 | 1468.9 | 1482.2 | 1494.2 |
| 10°    | 1268.8 | 1278.1 | 1287.4 | 1299.5 | 1323.5 | 1346.1 | 1367.5 | 1392.8 | 1416.9 | 1430.2 | 1447.5 |
| 12.5°  | 1203.4 | 1210.1 | 1220.7 | 1228.7 | 1254.1 | 1274.1 | 1302.1 | 1336.8 | 1371.5 | 1382.2 | 1403.5 |
| 15°    | 1135.4 | 1139.4 | 1160.7 | 1168.7 | 1190.1 | 1223.4 | 1240.8 | 1274.1 | 1311.5 | 1331.5 | 1355.5 |
| 17.5°  | 1056.6 | 1080.7 | 1094.0 | 1103.3 | 1130.0 | 1156.7 | 1184.7 | 1219.4 | 1267.4 | 1286.1 | 1303.5 |
| 20°    | 1000.6 | 1017.9 | 1032.6 | 1044.6 | 1068.6 | 1108.7 | 1134.0 | 1162.0 | 1207.4 | 1228.7 | 1254.1 |
| 22.5°  | 951.2  | 965.9  | 979.3  | 992.6  | 1008.6 | 1044.6 | 1074.0 | 1112.7 | 1158.0 | 1178.0 | 1207.4 |
| 25°    | 904.5  | 919.2  | 927.2  | 943.2  | 964.6  | 989.9  | 1024.6 | 1059.3 | 1104.7 | 1127.3 | 1155.4 |
| 27.5°  | 859.2  | 873.9  | 888.5  | 901.9  | 916.6  | 940.6  | 964.6  | 1008.6 | 1055.3 | 1082.0 | 1106.0 |
| 30°    | 820.5  | 827.2  | 840.5  | 855.2  | 869.9  | 892.5  | 920.6  | 951.2  | 1004.6 | 1028.6 | 1058.0 |
| 32.5°  | 777.8  | 789.8  | 799.2  | 809.8  | 828.5  | 847.2  | 872.5  | 911.2  | 953.9  | 976.6  | 1008.6 |
| 35°    | 737.8  | 748.5  | 755.1  | 773.8  | 785.8  | 805.8  | 831.2  | 865.9  | 901.9  | 927.2  | 955.2  |
| 37.5°  | 699.1  | 709.8  | 717.8  | 728.4  | 744.5  | 761.8  | 788.5  | 813.8  | 856.5  | 877.9  | 909.9  |
| 40°    | 659.1  | 668.4  | 677.7  | 689.8  | 704.4  | 725.8  | 741.8  | 773.8  | 808.5  | 832.5  | 856.5  |
| 42.5°  | 620.4  | 625.7  | 636.4  | 649.7  | 664.4  | 683.1  | 705.8  | 731.1  | 765.8  | 787.1  | 808.5  |
| 45°    | 579.0  | 588.4  | 600.4  | 609.7  | 623.0  | 641.7  | 661.7  | 684.4  | 719.1  | 740.4  | 763.1  |
| 47.5°  | 540.3  | 547.0  | 555.0  | 569.7  | 587.0  | 600.4  | 621.7  | 643.1  | 675.1  | 695.1  | 716.4  |
| 50°    | 500.3  | 507.0  | 519.0  | 528.3  | 541.7  | 559.0  | 579.0  | 601.7  | 632.4  | 645.7  | 667.1  |
| 52.5°  | 462.9  | 465.6  | 477.6  | 487.0  | 500.3  | 520.3  | 536.3  | 556.3  | 585.7  | 600.4  | 621.7  |
| 55°    | 425.6  | 428.3  | 434.9  | 444.3  | 458.9  | 475.0  | 492.3  | 515.0  | 540.3  | 553.7  | 573.7  |
| 57.5°  | 386.9  | 389.6  | 396.2  | 402.9  | 417.6  | 432.3  | 452.3  | 471.0  | 496.3  | 508.3  | 527.0  |
| 60°    | 348.2  | 348.2  | 354.9  | 364.2  | 374.9  | 388.2  | 405.6  | 428.3  | 446.9  | 461.6  | 475.0  |
| 62.5°  | 306.9  | 310.9  | 314.9  | 321.5  | 333.5  | 349.5  | 364.2  | 380.2  | 402.9  | 413.6  | 425.6  |
| 65°    | 265.5  | 269.5  | 277.5  | 284.2  | 293.5  | 304.2  | 322.9  | 336.2  | 353.5  | 365.6  | 376.2  |
| 67.5°  | 229.5  | 233.5  | 238.8  | 246.8  | 253.5  | 265.5  | 278.8  | 292.2  | 310.9  | 318.9  | 326.9  |
| 70°    | 192.1  | 196.1  | 200.1  | 210.8  | 217.5  | 226.8  | 236.1  | 249.5  | 265.5  | 270.8  | 277.5  |
| 72.5°  | 162.8  | 164.1  | 169.4  | 172.1  | 181.4  | 189.4  | 200.1  | 208.1  | 220.1  | 226.8  | 232.1  |
| 75°    | 137.4  | 137.4  | 138.8  | 141.4  | 146.8  | 152.1  | 160.1  | 168.1  | 178.8  | 182.8  | 189.4  |
| 77.5°  | 108.1  | 112.1  | 110.7  | 113.4  | 116.1  | 118.7  | 125.4  | 130.7  | 141.4  | 144.1  | 146.8  |
| 80°    | 77.4   | 78.7   | 82.7   | 86.7   | 86.7   | 90.7   | 94.7   | 96.1   | 102.7  | 106.7  | 106.7  |
| 82.5°  | 56.0   | 57.4   | 56.0   | 57.4   | 58.7   | 60.0   | 64.0   | 69.4   | 69.4   | 70.7   | 73.4   |
| 85°    | 34.7   | 34.7   | 36.0   | 37.4   | 37.4   | 36.0   | 38.7   | 37.4   | 38.7   | 41.4   | 41.4   |
| 87.5°  | 17.3   | 16.0   | 16.0   | 16.0   | 16.0   | 16.0   | 17.3   | 16.0   | 17.3   | 17.3   | 17.3   |
| 90°    | 7.2    | 6.8    | 6.5    | 6.1    | 5.7    | 5.1    | 4.6    | 4.0    | 3.5    | 3.2    | 2.9    |
| 92.5°  | 7.2    | 6.8    | 6.5    | 6.1    | 5.7    | 5.2    | 4.7    | 4.2    | 3.7    | 3.5    | 3.9    |
| 95°    | 7.2    | 6.8    | 6.5    | 6.1    | 5.7    | 8.7    | 11.7   | 14.6   | 17.6   | 19.1   | 19.2   |
| 97.5°  | 7.0    | 6.9    | 6.7    | 6.6    | 6.4    | 13.9   | 21.3   | 28.8   | 36.3   | 40.0   | 39.8   |
| 100°   | 14.7   | 26.4   | 38.1   | 49.8   | 61.5   | 61.2   | 60.9   | 60.6   | 60.3   | 60.1   | 60.0   |
| 102.5° | 83.4   | 83.2   | 83.1   | 82.9   | 82.7   | 82.5   | 82.4   | 82.2   | 82.1   | 82.0   | 81.8   |
| 105°   | 105.4  | 105.4  | 105.4  | 105.4  | 105.4  | 105.4  | 105.4  | 105.4  | 105.4  | 105.4  | 105.2  |
| 107.5° | 129.1  | 129.0  | 128.9  | 128.8  | 128.7  | 128.5  | 128.4  | 128.2  | 128.1  | 128.0  | 128.0  |
| 110°   | 151.1  | 151.4  | 151.6  | 151.9  | 152.1  | 151.9  | 151.7  | 151.6  | 151.4  | 151.3  | 151.3  |

TEST NUMBER: P1027077

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 173.5 | 173.8 | 174.1 | 174.4 | 174.7 | 174.6 | 174.5 | 174.4 | 174.3 | 174.3  | 174.2 |
| 115°   | 196.1 | 196.4 | 196.7 | 197.0 | 197.3 | 197.2 | 197.2 | 197.1 | 197.0 | 197.0  | 196.8 |
| 117.5° | 217.7 | 218.2 | 218.7 | 219.1 | 219.6 | 219.3 | 219.0 | 218.7 | 218.4 | 218.2  | 218.2 |
| 120°   | 239.5 | 239.6 | 239.8 | 239.9 | 240.1 | 239.9 | 239.6 | 239.4 | 239.1 | 239.0  | 239.0 |
| 122.5° | 259.6 | 259.8 | 259.9 | 260.1 | 260.3 | 260.2 | 260.1 | 260.0 | 259.9 | 259.9  | 259.7 |
| 125°   | 278.8 | 279.1 | 279.4 | 279.8 | 280.1 | 280.1 | 280.1 | 280.1 | 280.1 | 280.1  | 279.8 |
| 127.5° | 297.1 | 297.2 | 297.4 | 297.5 | 297.7 | 297.8 | 297.9 | 298.0 | 298.1 | 298.1  | 297.9 |
| 130°   | 314.5 | 314.7 | 315.0 | 315.2 | 315.4 | 315.3 | 315.3 | 315.2 | 315.1 | 315.1  | 314.9 |
| 132.5° | 331.3 | 331.3 | 331.3 | 331.3 | 331.3 | 331.5 | 331.8 | 332.0 | 332.3 | 332.4  | 332.2 |
| 135°   | 347.0 | 347.1 | 347.3 | 347.4 | 347.6 | 347.8 | 347.9 | 348.1 | 348.2 | 348.3  | 348.1 |
| 137.5° | 362.4 | 362.4 | 362.4 | 362.4 | 362.4 | 362.6 | 362.8 | 362.9 | 363.1 | 363.2  | 363.0 |
| 140°   | 376.5 | 376.4 | 376.2 | 376.1 | 375.9 | 376.0 | 376.0 | 376.1 | 376.2 | 376.2  | 376.1 |
| 142.5° | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.5 | 389.4 | 389.2 | 389.1 | 389.0  | 389.0 |
| 145°   | 402.4 | 402.3 | 402.2 | 402.2 | 402.1 | 402.1 | 402.1 | 402.1 | 402.1 | 402.1  | 402.0 |
| 147.5° | 413.4 | 413.3 | 413.2 | 413.1 | 413.0 | 412.9 | 412.9 | 412.8 | 412.7 | 412.7  | 412.7 |
| 150°   | 423.9 | 423.8 | 423.6 | 423.5 | 423.3 | 423.1 | 423.0 | 422.8 | 422.7 | 422.6  | 422.7 |
| 152.5° | 433.1 | 433.0 | 432.8 | 432.7 | 432.5 | 432.3 | 432.2 | 432.0 | 431.9 | 431.8  | 432.0 |
| 155°   | 441.6 | 441.3 | 441.1 | 440.8 | 440.6 | 440.4 | 440.3 | 440.1 | 440.0 | 439.9  | 440.1 |
| 157.5° | 448.6 | 448.4 | 448.1 | 447.9 | 447.7 | 447.7 | 447.7 | 447.7 | 447.7 | 447.7  | 447.8 |
| 160°   | 455.2 | 454.9 | 454.6 | 454.3 | 454.0 | 453.9 | 453.9 | 453.8 | 453.7 | 453.7  | 453.9 |
| 162.5° | 461.6 | 461.1 | 460.6 | 460.2 | 459.7 | 459.6 | 459.5 | 459.4 | 459.3 | 459.3  | 459.5 |
| 165°   | 466.6 | 466.1 | 465.6 | 465.1 | 464.6 | 464.5 | 464.5 | 464.4 | 464.3 | 464.3  | 464.5 |
| 167.5° | 470.7 | 470.2 | 469.6 | 469.1 | 468.5 | 468.4 | 468.4 | 468.3 | 468.2 | 468.2  | 468.4 |
| 170°   | 473.9 | 473.3 | 472.6 | 472.0 | 471.4 | 471.3 | 471.2 | 471.1 | 471.0 | 471.0  | 471.3 |
| 172.5° | 476.0 | 475.5 | 474.9 | 474.4 | 473.8 | 473.6 | 473.5 | 473.3 | 473.2 | 473.1  | 473.4 |
| 175°   | 477.8 | 477.1 | 476.5 | 475.8 | 475.2 | 475.1 | 475.1 | 475.0 | 474.9 | 474.9  | 475.1 |
| 177.5° | 478.5 | 478.0 | 477.4 | 476.9 | 476.3 | 476.2 | 476.2 | 476.1 | 476.0 | 476.0  | 476.2 |
| 180°   | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0  | 477.0 |

TEST NUMBER: P1027077

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1625.0 | 1625.0 | 1625.0 | 1625.0 |
| 2.5°   | 1587.6 | 1599.6 | 1611.6 | 1626.3 |
| 5°     | 1555.6 | 1577.0 | 1599.6 | 1621.0 |
| 7.5°   | 1520.9 | 1551.6 | 1581.0 | 1611.6 |
| 10°    | 1482.2 | 1520.9 | 1554.3 | 1597.0 |
| 12.5°  | 1439.5 | 1480.9 | 1527.6 | 1575.6 |
| 15°    | 1396.8 | 1448.9 | 1498.2 | 1552.9 |
| 17.5°  | 1356.8 | 1406.2 | 1460.9 | 1526.3 |
| 20°    | 1308.8 | 1363.5 | 1424.9 | 1494.2 |
| 22.5°  | 1258.1 | 1318.1 | 1384.8 | 1459.6 |
| 25°    | 1215.4 | 1276.8 | 1340.8 | 1419.5 |
| 27.5°  | 1168.7 | 1232.7 | 1295.5 | 1379.5 |
| 30°    | 1115.3 | 1184.7 | 1248.8 | 1335.5 |
| 32.5°  | 1064.6 | 1134.0 | 1204.7 | 1286.1 |
| 35°    | 1015.3 | 1083.3 | 1154.0 | 1236.7 |
| 37.5°  | 968.6  | 1030.0 | 1099.3 | 1174.0 |
| 40°    | 924.6  | 980.6  | 1042.0 | 1110.0 |
| 42.5°  | 868.5  | 933.9  | 991.3  | 1040.6 |
| 45°    | 820.5  | 873.9  | 927.2  | 967.3  |
| 47.5°  | 764.5  | 817.8  | 863.2  | 895.2  |
| 50°    | 717.8  | 760.5  | 797.8  | 825.8  |
| 52.5°  | 661.7  | 701.8  | 732.4  | 753.8  |
| 55°    | 607.0  | 641.7  | 668.4  | 683.1  |
| 57.5°  | 557.7  | 580.4  | 600.4  | 613.7  |
| 60°    | 503.0  | 520.3  | 537.7  | 552.3  |
| 62.5°  | 444.3  | 462.9  | 472.3  | 488.3  |
| 65°    | 392.2  | 404.2  | 418.9  | 424.3  |
| 67.5°  | 341.5  | 348.2  | 357.5  | 368.2  |
| 70°    | 288.2  | 292.2  | 301.5  | 316.2  |
| 72.5°  | 241.5  | 245.5  | 252.2  | 257.5  |
| 75°    | 192.1  | 196.1  | 201.5  | 206.8  |
| 77.5°  | 150.8  | 152.1  | 154.8  | 160.1  |
| 80°    | 109.4  | 113.4  | 116.1  | 117.4  |
| 82.5°  | 76.0   | 77.4   | 77.4   | 78.7   |
| 85°    | 48.0   | 45.4   | 45.4   | 46.7   |
| 87.5°  | 17.3   | 20.0   | 20.0   | 22.7   |
| 90°    | 2.3    | 1.6    | 1.0    | 0.4    |
| 92.5°  | 4.6    | 5.3    | 6.0    | 6.7    |
| 95°    | 19.5   | 19.7   | 20.0   | 20.2   |
| 97.5°  | 39.3   | 38.8   | 38.3   | 37.8   |
| 100°   | 59.8   | 59.5   | 59.3   | 59.1   |
| 102.5° | 81.5   | 81.2   | 80.9   | 80.6   |
| 105°   | 104.9  | 104.6  | 104.3  | 104.0  |
| 107.5° | 128.0  | 128.0  | 128.0  | 128.0  |
| 110°   | 151.3  | 151.3  | 151.3  | 151.3  |



TEST NUMBER: P1027077

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 174.0 | 173.7 | 173.5 | 173.3 |
| 115°   | 196.4 | 196.0 | 195.6 | 195.2 |
| 117.5° | 218.2 | 218.2 | 218.2 | 218.2 |
| 120°   | 239.1 | 239.2 | 239.3 | 239.4 |
| 122.5° | 259.3 | 258.9 | 258.5 | 258.1 |
| 125°   | 279.3 | 278.7 | 278.2 | 277.6 |
| 127.5° | 297.5 | 297.1 | 296.7 | 296.3 |
| 130°   | 314.5 | 314.1 | 313.7 | 313.3 |
| 132.5° | 331.7 | 331.2 | 330.8 | 330.3 |
| 135°   | 347.6 | 347.1 | 346.7 | 346.2 |
| 137.5° | 362.5 | 362.0 | 361.5 | 361.0 |
| 140°   | 376.0 | 375.8 | 375.7 | 375.5 |
| 142.5° | 388.9 | 388.8 | 388.7 | 388.6 |
| 145°   | 401.8 | 401.7 | 401.5 | 401.3 |
| 147.5° | 412.7 | 412.7 | 412.7 | 412.7 |
| 150°   | 422.8 | 423.0 | 423.1 | 423.3 |
| 152.5° | 432.4 | 432.7 | 433.1 | 433.5 |
| 155°   | 440.6 | 441.1 | 441.5 | 442.0 |
| 157.5° | 448.0 | 448.3 | 448.5 | 448.7 |
| 160°   | 454.4 | 454.9 | 455.3 | 455.8 |
| 162.5° | 460.0 | 460.5 | 461.0 | 461.5 |
| 165°   | 465.0 | 465.5 | 465.9 | 466.4 |
| 167.5° | 468.9 | 469.4 | 469.8 | 470.3 |
| 170°   | 471.8 | 472.4 | 472.9 | 473.5 |
| 172.5° | 473.9 | 474.5 | 475.0 | 475.6 |
| 175°   | 475.6 | 476.1 | 476.5 | 477.0 |
| 177.5° | 476.7 | 477.2 | 477.6 | 478.1 |
| 180°   | 477.0 | 477.0 | 477.0 | 477.0 |

(END OF REPORT)