

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: P1027087

Luminaire Tested: S125RDIP-B1090D610UB2750-4F0-XX-W2A-A\_4000K

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1027087  
REPORT IS A COMBINATION OF REPORTS P1005048 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S125RDIP-B1090D610UB2750-4F0-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**

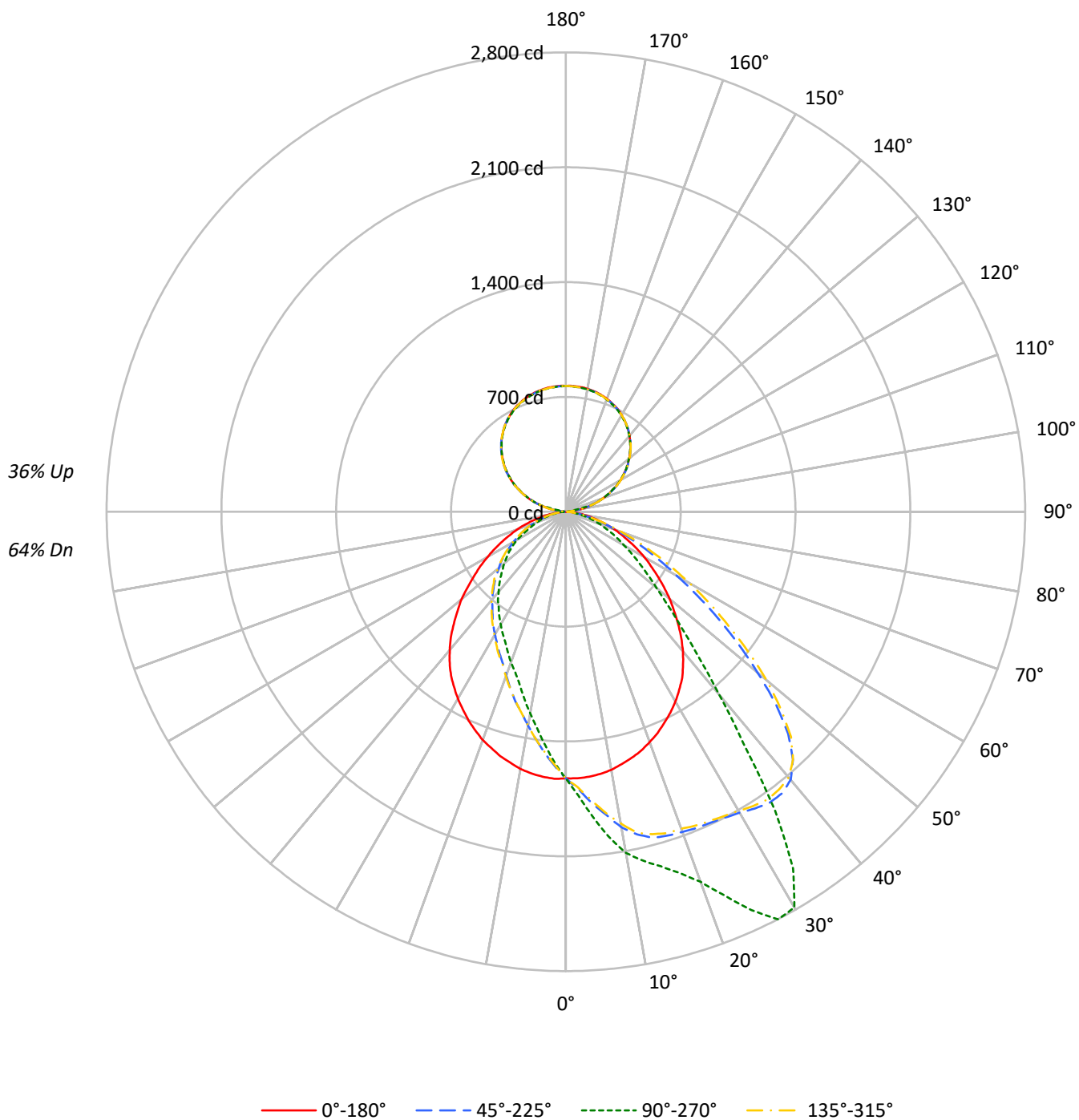
Lumens per Lamp: N/A  
Luminaire Lumens: 6567.0 lumens  
Efficiency: N/A  
Efficacy: 105.6 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.4 / 1.47  
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 62.2  
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: P1027087

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### Luminous Intensity Polar Plot



TEST NUMBER: P1027087

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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   | 111 | 111 | 111 | 111 | 104 | 104 | 104 | 104 | 91 | 91 | 91 | 80 | 80 | 80 | 69 | 69 | 69 | 64 |    |    |
| 1   | 102 | 97  | 94  | 90  | 95  | 92  | 88  | 85  | 81 | 78 | 76 | 71 | 69 | 68 | 62 | 61 | 60 | 55 |    |    |
| 2   | 93  | 86  | 80  | 75  | 87  | 81  | 75  | 71  | 72 | 67 | 64 | 63 | 60 | 57 | 55 | 53 | 51 | 47 |    |    |
| 3   | 85  | 76  | 68  | 63  | 80  | 71  | 65  | 60  | 64 | 58 | 54 | 56 | 52 | 49 | 49 | 46 | 44 | 40 |    |    |
| 4   | 78  | 67  | 59  | 53  | 73  | 64  | 57  | 51  | 57 | 51 | 47 | 50 | 46 | 42 | 44 | 41 | 38 | 35 |    |    |
| 5   | 72  | 60  | 52  | 46  | 67  | 57  | 50  | 44  | 51 | 45 | 41 | 45 | 41 | 37 | 40 | 36 | 33 | 31 |    |    |
| 6   | 66  | 54  | 46  | 40  | 62  | 51  | 44  | 39  | 46 | 40 | 36 | 41 | 36 | 33 | 36 | 33 | 30 | 27 |    |    |
| 7   | 61  | 49  | 41  | 36  | 58  | 47  | 39  | 34  | 42 | 36 | 32 | 38 | 33 | 29 | 33 | 29 | 26 | 24 |    |    |
| 8   | 57  | 45  | 37  | 32  | 54  | 43  | 35  | 30  | 38 | 32 | 28 | 34 | 30 | 26 | 31 | 27 | 24 | 22 |    |    |
| 9   | 53  | 41  | 33  | 28  | 50  | 39  | 32  | 27  | 35 | 29 | 25 | 32 | 27 | 23 | 28 | 24 | 21 | 19 |    |    |
| 10  | 50  | 38  | 30  | 25  | 47  | 36  | 29  | 25  | 32 | 27 | 23 | 29 | 25 | 21 | 26 | 22 | 20 | 18 |    |    |

**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

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 155.8  | 2.4       |
| 10°-20°   | 456.8  | 7.0       |
| 20°-30°   | 724.4  | 11.0      |
| 30°-40°   | 875.3  | 13.3      |
| 40°-50°   | 779.3  | 11.9      |
| 50°-60°   | 597.6  | 9.1       |
| 60°-70°   | 388.1  | 5.9       |
| 70°-80°   | 188.4  | 2.9       |
| 80°-90°   | 45.4   | 0.7       |
| 90°-100°  | 26.0   | 0.4       |
| 100°-110° | 173.1  | 2.6       |
| 110°-120° | 311.7  | 4.7       |
| 120°-130° | 400.1  | 6.1       |
| 130°-140° | 430.3  | 6.6       |
| 140°-150° | 403.9  | 6.1       |
| 150°-160° | 326.7  | 5.0       |
| 160°-170° | 211.3  | 3.2       |
| 170°-180° | 72.9   | 1.1       |
| 0°-30°    | 1337.0 | 20.4      |
| 0°-40°    | 2212.3 | 33.7      |
| 0°-60°    | 3589.2 | 54.7      |
| 0°-90°    | 4211.1 | 64.1      |
| 90°-120°  | 510.8  | 7.8       |
| 90°-150°  | 1745.0 | 26.6      |
| 90°-180°  | 2356.0 | 35.9      |
| 0°-180°   | 6567.0 | 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°  | 1    | 14   | 1    | 14   | 1    | 5    |
| 95°  | 32   | 12   | 32   | 12   | 32   | 40   |
| 105° | 167  | 169  | 167  | 169  | 167  | 177  |
| 115° | 314  | 312  | 314  | 312  | 314  | 311  |
| 125° | 446  | 446  | 446  | 446  | 446  | 399  |
| 135° | 557  | 554  | 557  | 554  | 557  | 429  |
| 145° | 645  | 644  | 645  | 644  | 645  | 404  |
| 155° | 711  | 706  | 711  | 706  | 711  | 327  |
| 165° | 750  | 746  | 750  | 746  | 750  | 212  |
| 175° | 767  | 764  | 767  | 764  | 767  | 73   |
| 180° | 767  | 767  | 767  | 767  | 767  |      |

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**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°    | 0.6    | 1.6    | 2.6    | 3.6    | 4.6    | 5.1    | 5.5    | 6.4    | 7.3    | 8.2    | 9.1    |
| 92.5°  | 10.8   | 9.7    | 8.5    | 7.4    | 6.3    | 5.7    | 6.1    | 6.8    | 7.6    | 8.3    | 9.1    |
| 95°    | 32.4   | 32.0   | 31.6   | 31.3   | 30.9   | 30.7   | 28.3   | 23.5   | 18.7   | 13.9   | 9.1    |
| 97.5°  | 60.8   | 61.6   | 62.3   | 63.1   | 63.8   | 64.2   | 58.2   | 46.2   | 34.2   | 22.2   | 10.2   |
| 100°   | 94.9   | 95.3   | 95.7   | 96.0   | 96.4   | 96.6   | 96.9   | 97.4   | 97.9   | 98.4   | 98.9   |
| 102.5° | 129.6  | 130.1  | 130.6  | 131.1  | 131.6  | 131.9  | 132.0  | 132.3  | 132.5  | 132.8  | 133.0  |
| 105°   | 167.1  | 167.6  | 168.1  | 168.6  | 169.1  | 169.4  | 169.4  | 169.4  | 169.4  | 169.4  | 169.4  |
| 107.5° | 205.8  | 205.8  | 205.8  | 205.8  | 205.8  | 205.8  | 205.9  | 206.2  | 206.4  | 206.7  | 206.9  |
| 110°   | 243.3  | 243.3  | 243.3  | 243.3  | 243.3  | 243.3  | 243.4  | 243.7  | 244.0  | 244.2  | 244.5  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 278.6 | 279.0 | 279.4 | 279.7 | 280.1 | 280.3 | 280.4 | 280.5 | 280.6 | 280.7 | 280.8 |
| 115°   | 313.8 | 314.4 | 315.1 | 315.7 | 316.4 | 316.7 | 316.8 | 316.9 | 317.0 | 317.1 | 317.2 |
| 117.5° | 350.8 | 350.8 | 350.8 | 350.8 | 350.8 | 350.8 | 351.1 | 351.6 | 352.1 | 352.6 | 353.1 |
| 120°   | 384.9 | 384.8 | 384.6 | 384.5 | 384.4 | 384.3 | 384.5 | 384.9 | 385.2 | 385.6 | 386.0 |
| 122.5° | 415.0 | 415.6 | 416.3 | 416.9 | 417.6 | 417.9 | 418.0 | 418.1 | 418.2 | 418.3 | 418.4 |
| 125°   | 446.3 | 447.2 | 448.1 | 449.0 | 449.9 | 450.3 | 450.3 | 450.3 | 450.3 | 450.3 | 450.3 |
| 127.5° | 476.4 | 477.0 | 477.7 | 478.3 | 479.0 | 479.3 | 479.2 | 479.1 | 479.0 | 478.8 | 478.7 |
| 130°   | 503.7 | 504.3 | 505.0 | 505.6 | 506.3 | 506.6 | 506.7 | 506.8 | 506.9 | 507.0 | 507.1 |
| 132.5° | 531.0 | 531.8 | 532.5 | 533.3 | 534.0 | 534.4 | 534.2 | 533.8 | 533.5 | 533.1 | 532.7 |
| 135°   | 556.6 | 557.4 | 558.1 | 558.9 | 559.6 | 560.0 | 559.9 | 559.6 | 559.4 | 559.1 | 558.9 |
| 137.5° | 580.5 | 581.3 | 582.0 | 582.8 | 583.5 | 583.9 | 583.8 | 583.5 | 583.2 | 583.0 | 582.7 |
| 140°   | 603.8 | 604.0 | 604.3 | 604.5 | 604.8 | 604.9 | 604.8 | 604.7 | 604.6 | 604.4 | 604.3 |
| 142.5° | 624.8 | 624.9 | 625.1 | 625.2 | 625.3 | 625.4 | 625.5 | 625.8 | 626.0 | 626.3 | 626.5 |
| 145°   | 645.3 | 645.5 | 645.8 | 646.0 | 646.3 | 646.4 | 646.4 | 646.4 | 646.4 | 646.4 | 646.4 |
| 147.5° | 663.5 | 663.5 | 663.5 | 663.5 | 663.5 | 663.5 | 663.6 | 663.7 | 663.8 | 663.9 | 664.0 |
| 150°   | 680.5 | 680.3 | 680.0 | 679.8 | 679.5 | 679.4 | 679.5 | 679.8 | 680.0 | 680.3 | 680.5 |
| 152.5° | 697.0 | 696.4 | 695.8 | 695.1 | 694.5 | 694.2 | 694.3 | 694.6 | 694.8 | 695.1 | 695.3 |
| 155°   | 710.7 | 709.9 | 709.1 | 708.4 | 707.6 | 707.2 | 707.3 | 707.6 | 707.9 | 708.1 | 708.4 |
| 157.5° | 721.5 | 721.1 | 720.7 | 720.3 | 719.9 | 719.7 | 719.7 | 719.7 | 719.7 | 719.7 | 719.7 |
| 160°   | 732.8 | 732.0 | 731.3 | 730.5 | 729.8 | 729.4 | 729.5 | 729.6 | 729.7 | 729.9 | 730.0 |
| 162.5° | 741.9 | 741.1 | 740.4 | 739.6 | 738.9 | 738.5 | 738.6 | 738.7 | 738.8 | 739.0 | 739.1 |
| 165°   | 749.9 | 749.1 | 748.4 | 747.6 | 746.9 | 746.5 | 746.6 | 746.7 | 746.8 | 746.9 | 747.0 |
| 167.5° | 756.1 | 755.3 | 754.6 | 753.8 | 753.1 | 752.7 | 752.8 | 752.9 | 753.0 | 753.2 | 753.3 |
| 170°   | 761.2 | 760.3 | 759.5 | 758.6 | 757.7 | 757.3 | 757.4 | 757.5 | 757.6 | 757.7 | 757.8 |
| 172.5° | 764.7 | 763.8 | 762.9 | 762.0 | 761.1 | 760.7 | 760.8 | 761.1 | 761.3 | 761.6 | 761.8 |
| 175°   | 766.9 | 766.1 | 765.4 | 764.6 | 763.9 | 763.5 | 763.6 | 763.7 | 763.8 | 764.0 | 764.1 |
| 177.5° | 768.6 | 767.8 | 767.1 | 766.3 | 765.6 | 765.2 | 765.3 | 765.4 | 765.5 | 765.7 | 765.8 |
| 180°   | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 |

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**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°    | 9.7    | 10.3   | 11.0   | 11.6   | 11.9   | 12.1   | 12.5   | 12.8   | 13.2   | 13.6   | 13.2   |
| 92.5°  | 9.7    | 10.3   | 11.0   | 11.6   | 11.9   | 12.0   | 12.1   | 12.2   | 12.4   | 12.5   | 12.4   |
| 95°    | 9.7    | 10.3   | 11.0   | 11.6   | 11.9   | 11.9   | 11.9   | 11.9   | 11.9   | 11.9   | 11.9   |
| 97.5°  | 10.5   | 10.7   | 11.0   | 11.3   | 11.4   | 11.5   | 11.6   | 11.7   | 11.8   | 11.9   | 11.8   |
| 100°   | 80.1   | 61.3   | 42.4   | 23.6   | 14.2   | 13.9   | 13.4   | 12.9   | 12.4   | 11.9   | 12.4   |
| 102.5° | 133.3  | 133.5  | 133.8  | 134.1  | 134.2  | 128.9  | 118.3  | 107.6  | 97.0   | 86.4   | 97.0   |
| 105°   | 169.4  | 169.4  | 169.4  | 169.4  | 169.4  | 169.3  | 169.2  | 169.1  | 169.0  | 168.9  | 169.0  |
| 107.5° | 207.0  | 207.2  | 207.3  | 207.4  | 207.5  | 207.2  | 206.7  | 206.2  | 205.7  | 205.2  | 205.7  |
| 110°   | 244.1  | 243.7  | 243.4  | 243.0  | 242.8  | 242.9  | 243.0  | 243.1  | 243.2  | 243.3  | 243.2  |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 280.3 | 279.8 | 279.3 | 278.8 | 278.6 | 278.5 | 278.2 | 277.9 | 277.7 | 277.4 | 277.7 |
| 115°   | 316.7 | 316.2 | 315.7 | 315.2 | 315.0 | 314.6 | 313.8 | 313.1 | 312.3 | 311.5 | 312.3 |
| 117.5° | 352.3 | 351.5 | 350.8 | 350.0 | 349.6 | 349.5 | 349.2 | 349.0 | 348.7 | 348.5 | 348.7 |
| 120°   | 385.8 | 385.5 | 385.3 | 385.0 | 384.9 | 384.6 | 383.9 | 383.3 | 382.6 | 382.0 | 382.6 |
| 122.5° | 418.2 | 417.9 | 417.7 | 417.4 | 417.3 | 416.9 | 416.2 | 415.4 | 414.7 | 413.9 | 414.7 |
| 125°   | 449.8 | 449.3 | 448.8 | 448.3 | 448.0 | 447.8 | 447.4 | 447.1 | 446.7 | 446.3 | 446.7 |
| 127.5° | 478.5 | 478.2 | 478.0 | 477.7 | 477.6 | 477.1 | 476.1 | 475.0 | 474.0 | 473.0 | 474.0 |
| 130°   | 506.7 | 506.3 | 506.0 | 505.6 | 505.4 | 505.1 | 504.5 | 503.8 | 503.2 | 502.6 | 503.2 |
| 132.5° | 532.7 | 532.7 | 532.7 | 532.7 | 532.7 | 532.4 | 531.8 | 531.1 | 530.5 | 529.9 | 530.5 |
| 135°   | 558.6 | 558.4 | 558.1 | 557.8 | 557.7 | 557.3 | 556.6 | 555.8 | 555.1 | 554.3 | 555.1 |
| 137.5° | 582.7 | 582.7 | 582.7 | 582.7 | 582.7 | 582.4 | 581.8 | 581.1 | 580.5 | 579.9 | 580.5 |
| 140°   | 604.6 | 604.8 | 605.1 | 605.4 | 605.5 | 605.1 | 604.4 | 603.6 | 602.9 | 602.1 | 602.9 |
| 142.5° | 626.5 | 626.5 | 626.5 | 626.5 | 626.5 | 626.1 | 625.4 | 624.6 | 623.9 | 623.1 | 623.9 |
| 145°   | 646.5 | 646.7 | 646.8 | 646.9 | 647.0 | 646.6 | 645.9 | 645.1 | 644.4 | 643.6 | 644.4 |
| 147.5° | 664.1 | 664.3 | 664.4 | 664.5 | 664.6 | 664.2 | 663.3 | 662.4 | 661.5 | 660.6 | 661.5 |
| 150°   | 680.8 | 681.0 | 681.3 | 681.6 | 681.7 | 681.2 | 680.2 | 679.1 | 678.1 | 677.1 | 678.1 |
| 152.5° | 695.5 | 695.8 | 696.0 | 696.3 | 696.4 | 696.0 | 695.1 | 694.2 | 693.4 | 692.5 | 693.4 |
| 155°   | 708.8 | 709.2 | 709.5 | 709.9 | 710.1 | 709.6 | 708.6 | 707.5 | 706.5 | 705.5 | 706.5 |
| 157.5° | 720.1 | 720.5 | 720.9 | 721.3 | 721.5 | 721.0 | 720.0 | 718.9 | 717.9 | 716.9 | 717.9 |
| 160°   | 730.5 | 731.0 | 731.5 | 732.0 | 732.3 | 731.8 | 730.8 | 729.7 | 728.7 | 727.7 | 728.7 |
| 162.5° | 739.9 | 740.6 | 741.4 | 742.1 | 742.5 | 741.9 | 740.8 | 739.7 | 738.5 | 737.4 | 738.5 |
| 165°   | 747.8 | 748.5 | 749.3 | 750.0 | 750.4 | 749.9 | 748.9 | 747.9 | 746.9 | 745.9 | 746.9 |
| 167.5° | 754.2 | 755.1 | 756.0 | 756.9 | 757.3 | 756.7 | 755.6 | 754.5 | 753.3 | 752.2 | 753.3 |
| 170°   | 758.8 | 759.8 | 760.9 | 761.9 | 762.4 | 761.8 | 760.7 | 759.6 | 758.4 | 757.3 | 758.4 |
| 172.5° | 762.7 | 763.6 | 764.5 | 765.4 | 765.8 | 765.2 | 764.1 | 763.0 | 761.8 | 760.7 | 761.8 |
| 175°   | 765.1 | 766.1 | 767.1 | 768.1 | 768.6 | 768.0 | 766.9 | 765.8 | 764.6 | 763.5 | 764.6 |
| 177.5° | 766.7 | 767.6 | 768.5 | 769.4 | 769.8 | 769.3 | 768.3 | 767.2 | 766.2 | 765.2 | 766.2 |
| 180°   | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 |

TEST NUMBER: P1027087

CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-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°    | 12.8   | 12.5   | 12.1   | 11.9   | 11.6   | 11.0   | 10.3   | 9.7    | 9.1    | 8.2    | 7.3    |
| 92.5°  | 12.2   | 12.1   | 12.0   | 11.9   | 11.6   | 11.0   | 10.3   | 9.7    | 9.1    | 8.3    | 7.6    |
| 95°    | 11.9   | 11.9   | 11.9   | 11.9   | 11.6   | 11.0   | 10.3   | 9.7    | 9.1    | 13.9   | 18.7   |
| 97.5°  | 11.7   | 11.6   | 11.5   | 11.4   | 11.3   | 11.0   | 10.7   | 10.5   | 10.2   | 22.2   | 34.2   |
| 100°   | 12.9   | 13.4   | 13.9   | 14.2   | 23.6   | 42.4   | 61.3   | 80.1   | 98.9   | 98.4   | 97.9   |
| 102.5° | 107.6  | 118.3  | 128.9  | 134.2  | 134.1  | 133.8  | 133.5  | 133.3  | 133.0  | 132.8  | 132.5  |
| 105°   | 169.1  | 169.2  | 169.3  | 169.4  | 169.4  | 169.4  | 169.4  | 169.4  | 169.4  | 169.4  | 169.4  |
| 107.5° | 206.2  | 206.7  | 207.2  | 207.5  | 207.4  | 207.3  | 207.2  | 207.0  | 206.9  | 206.7  | 206.4  |
| 110°   | 243.1  | 243.0  | 242.9  | 242.8  | 243.0  | 243.4  | 243.7  | 244.1  | 244.5  | 244.2  | 244.0  |



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**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 277.9 | 278.2 | 278.5 | 278.6  | 278.8 | 279.3 | 279.8 | 280.3 | 280.8 | 280.7 | 280.6 |
| 115°   | 313.1 | 313.8 | 314.6 | 315.0  | 315.2 | 315.7 | 316.2 | 316.7 | 317.2 | 317.1 | 317.0 |
| 117.5° | 349.0 | 349.2 | 349.5 | 349.6  | 350.0 | 350.8 | 351.5 | 352.3 | 353.1 | 352.6 | 352.1 |
| 120°   | 383.3 | 383.9 | 384.6 | 384.9  | 385.0 | 385.3 | 385.5 | 385.8 | 386.0 | 385.6 | 385.2 |
| 122.5° | 415.4 | 416.2 | 416.9 | 417.3  | 417.4 | 417.7 | 417.9 | 418.2 | 418.4 | 418.3 | 418.2 |
| 125°   | 447.1 | 447.4 | 447.8 | 448.0  | 448.3 | 448.8 | 449.3 | 449.8 | 450.3 | 450.3 | 450.3 |
| 127.5° | 475.0 | 476.1 | 477.1 | 477.6  | 477.7 | 478.0 | 478.2 | 478.5 | 478.7 | 478.8 | 479.0 |
| 130°   | 503.8 | 504.5 | 505.1 | 505.4  | 505.6 | 506.0 | 506.3 | 506.7 | 507.1 | 507.0 | 506.9 |
| 132.5° | 531.1 | 531.8 | 532.4 | 532.7  | 532.7 | 532.7 | 532.7 | 532.7 | 532.7 | 533.1 | 533.5 |
| 135°   | 555.8 | 556.6 | 557.3 | 557.7  | 557.8 | 558.1 | 558.4 | 558.6 | 558.9 | 559.1 | 559.4 |
| 137.5° | 581.1 | 581.8 | 582.4 | 582.7  | 582.7 | 582.7 | 582.7 | 582.7 | 582.7 | 583.0 | 583.2 |
| 140°   | 603.6 | 604.4 | 605.1 | 605.5  | 605.4 | 605.1 | 604.8 | 604.6 | 604.3 | 604.4 | 604.6 |
| 142.5° | 624.6 | 625.4 | 626.1 | 626.5  | 626.5 | 626.5 | 626.5 | 626.5 | 626.5 | 626.3 | 626.0 |
| 145°   | 645.1 | 645.9 | 646.6 | 647.0  | 646.9 | 646.8 | 646.7 | 646.5 | 646.4 | 646.4 | 646.4 |
| 147.5° | 662.4 | 663.3 | 664.2 | 664.6  | 664.5 | 664.4 | 664.3 | 664.1 | 664.0 | 663.9 | 663.8 |
| 150°   | 679.1 | 680.2 | 681.2 | 681.7  | 681.6 | 681.3 | 681.0 | 680.8 | 680.5 | 680.3 | 680.0 |
| 152.5° | 694.2 | 695.1 | 696.0 | 696.4  | 696.3 | 696.0 | 695.8 | 695.5 | 695.3 | 695.1 | 694.8 |
| 155°   | 707.5 | 708.6 | 709.6 | 710.1  | 709.9 | 709.5 | 709.2 | 708.8 | 708.4 | 708.1 | 707.9 |
| 157.5° | 718.9 | 720.0 | 721.0 | 721.5  | 721.3 | 720.9 | 720.5 | 720.1 | 719.7 | 719.7 | 719.7 |
| 160°   | 729.7 | 730.8 | 731.8 | 732.3  | 732.0 | 731.5 | 731.0 | 730.5 | 730.0 | 729.9 | 729.7 |
| 162.5° | 739.7 | 740.8 | 741.9 | 742.5  | 742.1 | 741.4 | 740.6 | 739.9 | 739.1 | 739.0 | 738.8 |
| 165°   | 747.9 | 748.9 | 749.9 | 750.4  | 750.0 | 749.3 | 748.5 | 747.8 | 747.0 | 746.9 | 746.8 |
| 167.5° | 754.5 | 755.6 | 756.7 | 757.3  | 756.9 | 756.0 | 755.1 | 754.2 | 753.3 | 753.2 | 753.0 |
| 170°   | 759.6 | 760.7 | 761.8 | 762.4  | 761.9 | 760.9 | 759.8 | 758.8 | 757.8 | 757.7 | 757.6 |
| 172.5° | 763.0 | 764.1 | 765.2 | 765.8  | 765.4 | 764.5 | 763.6 | 762.7 | 761.8 | 761.6 | 761.3 |
| 175°   | 765.8 | 766.9 | 768.0 | 768.6  | 768.1 | 767.1 | 766.1 | 765.1 | 764.1 | 764.0 | 763.8 |
| 177.5° | 767.2 | 768.3 | 769.3 | 769.8  | 769.4 | 768.5 | 767.6 | 766.7 | 765.8 | 765.7 | 765.5 |
| 180°   | 766.9 | 766.9 | 766.9 | 766.9  | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 |

TEST NUMBER: P1027087

CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-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°    | 6.4    | 5.5    | 5.1    | 4.6    | 3.6    | 2.6    | 1.6    | 0.6    | 1.6    | 2.6    | 3.6    |
| 92.5°  | 6.8    | 6.1    | 5.7    | 6.3    | 7.4    | 8.5    | 9.7    | 10.8   | 9.7    | 8.5    | 7.4    |
| 95°    | 23.5   | 28.3   | 30.7   | 30.9   | 31.3   | 31.6   | 32.0   | 32.4   | 32.0   | 31.6   | 31.3   |
| 97.5°  | 46.2   | 58.2   | 64.2   | 63.8   | 63.1   | 62.3   | 61.6   | 60.8   | 61.6   | 62.3   | 63.1   |
| 100°   | 97.4   | 96.9   | 96.6   | 96.4   | 96.0   | 95.7   | 95.3   | 94.9   | 95.3   | 95.7   | 96.0   |
| 102.5° | 132.3  | 132.0  | 131.9  | 131.6  | 131.1  | 130.6  | 130.1  | 129.6  | 130.1  | 130.6  | 131.1  |
| 105°   | 169.4  | 169.4  | 169.4  | 169.1  | 168.6  | 168.1  | 167.6  | 167.1  | 167.6  | 168.1  | 168.6  |
| 107.5° | 206.2  | 205.9  | 205.8  | 205.8  | 205.8  | 205.8  | 205.8  | 205.8  | 205.8  | 205.8  | 205.8  |
| 110°   | 243.7  | 243.4  | 243.3  | 243.3  | 243.3  | 243.3  | 243.3  | 243.3  | 243.3  | 243.3  | 243.3  |

TEST NUMBER: P1027087

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**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 280.5 | 280.4 | 280.3  | 280.1 | 279.7 | 279.4 | 279.0 | 278.6 | 279.0 | 279.4 | 279.7 |
| 115°   | 316.9 | 316.8 | 316.7  | 316.4 | 315.7 | 315.1 | 314.4 | 313.8 | 314.4 | 315.1 | 315.7 |
| 117.5° | 351.6 | 351.1 | 350.8  | 350.8 | 350.8 | 350.8 | 350.8 | 350.8 | 350.8 | 350.8 | 350.8 |
| 120°   | 384.9 | 384.5 | 384.3  | 384.4 | 384.5 | 384.6 | 384.8 | 384.9 | 384.8 | 384.6 | 384.5 |
| 122.5° | 418.1 | 418.0 | 417.9  | 417.6 | 416.9 | 416.3 | 415.6 | 415.0 | 415.6 | 416.3 | 416.9 |
| 125°   | 450.3 | 450.3 | 450.3  | 449.9 | 449.0 | 448.1 | 447.2 | 446.3 | 447.2 | 448.1 | 449.0 |
| 127.5° | 479.1 | 479.2 | 479.3  | 479.0 | 478.3 | 477.7 | 477.0 | 476.4 | 477.0 | 477.7 | 478.3 |
| 130°   | 506.8 | 506.7 | 506.6  | 506.3 | 505.6 | 505.0 | 504.3 | 503.7 | 504.3 | 505.0 | 505.6 |
| 132.5° | 533.8 | 534.2 | 534.4  | 534.0 | 533.3 | 532.5 | 531.8 | 531.0 | 531.8 | 532.5 | 533.3 |
| 135°   | 559.6 | 559.9 | 560.0  | 559.6 | 558.9 | 558.1 | 557.4 | 556.6 | 557.4 | 558.1 | 558.9 |
| 137.5° | 583.5 | 583.8 | 583.9  | 583.5 | 582.8 | 582.0 | 581.3 | 580.5 | 581.3 | 582.0 | 582.8 |
| 140°   | 604.7 | 604.8 | 604.9  | 604.8 | 604.5 | 604.3 | 604.0 | 603.8 | 604.0 | 604.3 | 604.5 |
| 142.5° | 625.8 | 625.5 | 625.4  | 625.3 | 625.2 | 625.1 | 624.9 | 624.8 | 624.9 | 625.1 | 625.2 |
| 145°   | 646.4 | 646.4 | 646.4  | 646.3 | 646.0 | 645.8 | 645.5 | 645.3 | 645.5 | 645.8 | 646.0 |
| 147.5° | 663.7 | 663.6 | 663.5  | 663.5 | 663.5 | 663.5 | 663.5 | 663.5 | 663.5 | 663.5 | 663.5 |
| 150°   | 679.8 | 679.5 | 679.4  | 679.5 | 679.8 | 680.0 | 680.3 | 680.5 | 680.3 | 680.0 | 679.8 |
| 152.5° | 694.6 | 694.3 | 694.2  | 694.5 | 695.1 | 695.8 | 696.4 | 697.0 | 696.4 | 695.8 | 695.1 |
| 155°   | 707.6 | 707.3 | 707.2  | 707.6 | 708.4 | 709.1 | 709.9 | 710.7 | 709.9 | 709.1 | 708.4 |
| 157.5° | 719.7 | 719.7 | 719.7  | 719.9 | 720.3 | 720.7 | 721.1 | 721.5 | 721.1 | 720.7 | 720.3 |
| 160°   | 729.6 | 729.5 | 729.4  | 729.8 | 730.5 | 731.3 | 732.0 | 732.8 | 732.0 | 731.3 | 730.5 |
| 162.5° | 738.7 | 738.6 | 738.5  | 738.9 | 739.6 | 740.4 | 741.1 | 741.9 | 741.1 | 740.4 | 739.6 |
| 165°   | 746.7 | 746.6 | 746.5  | 746.9 | 747.6 | 748.4 | 749.1 | 749.9 | 749.1 | 748.4 | 747.6 |
| 167.5° | 752.9 | 752.8 | 752.7  | 753.1 | 753.8 | 754.6 | 755.3 | 756.1 | 755.3 | 754.6 | 753.8 |
| 170°   | 757.5 | 757.4 | 757.3  | 757.7 | 758.6 | 759.5 | 760.3 | 761.2 | 760.3 | 759.5 | 758.6 |
| 172.5° | 761.1 | 760.8 | 760.7  | 761.1 | 762.0 | 762.9 | 763.8 | 764.7 | 763.8 | 762.9 | 762.0 |
| 175°   | 763.7 | 763.6 | 763.5  | 763.9 | 764.6 | 765.4 | 766.1 | 766.9 | 766.1 | 765.4 | 764.6 |
| 177.5° | 765.4 | 765.3 | 765.2  | 765.6 | 766.3 | 767.1 | 767.8 | 768.6 | 767.8 | 767.1 | 766.3 |
| 180°   | 766.9 | 766.9 | 766.9  | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 |

TEST NUMBER: P1027087

CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-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°    | 4.6    | 5.1    | 5.5    | 6.4    | 7.3    | 8.2    | 9.1    | 9.7    | 10.3   | 11.0   | 11.6   |
| 92.5°  | 6.3    | 5.7    | 6.1    | 6.8    | 7.6    | 8.3    | 9.1    | 9.7    | 10.3   | 11.0   | 11.6   |
| 95°    | 30.9   | 30.7   | 28.3   | 23.5   | 18.7   | 13.9   | 9.1    | 9.7    | 10.3   | 11.0   | 11.6   |
| 97.5°  | 63.8   | 64.2   | 58.2   | 46.2   | 34.2   | 22.2   | 10.2   | 10.5   | 10.7   | 11.0   | 11.3   |
| 100°   | 96.4   | 96.6   | 96.9   | 97.4   | 97.9   | 98.4   | 98.9   | 80.1   | 61.3   | 42.4   | 23.6   |
| 102.5° | 131.6  | 131.9  | 132.0  | 132.3  | 132.5  | 132.8  | 133.0  | 133.3  | 133.5  | 133.8  | 134.1  |
| 105°   | 169.1  | 169.4  | 169.4  | 169.4  | 169.4  | 169.4  | 169.4  | 169.4  | 169.4  | 169.4  | 169.4  |
| 107.5° | 205.8  | 205.8  | 205.9  | 206.2  | 206.4  | 206.7  | 206.9  | 207.0  | 207.2  | 207.3  | 207.4  |
| 110°   | 243.3  | 243.3  | 243.4  | 243.7  | 244.0  | 244.2  | 244.5  | 244.1  | 243.7  | 243.4  | 243.0  |

TEST NUMBER: P1027087

CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 280.1 | 280.3  | 280.4 | 280.5 | 280.6 | 280.7 | 280.8 | 280.3 | 279.8 | 279.3 | 278.8 |
| 115°   | 316.4 | 316.7  | 316.8 | 316.9 | 317.0 | 317.1 | 317.2 | 316.7 | 316.2 | 315.7 | 315.2 |
| 117.5° | 350.8 | 350.8  | 351.1 | 351.6 | 352.1 | 352.6 | 353.1 | 352.3 | 351.5 | 350.8 | 350.0 |
| 120°   | 384.4 | 384.3  | 384.5 | 384.9 | 385.2 | 385.6 | 386.0 | 385.8 | 385.5 | 385.3 | 385.0 |
| 122.5° | 417.6 | 417.9  | 418.0 | 418.1 | 418.2 | 418.3 | 418.4 | 418.2 | 417.9 | 417.7 | 417.4 |
| 125°   | 449.9 | 450.3  | 450.3 | 450.3 | 450.3 | 450.3 | 450.3 | 449.8 | 449.3 | 448.8 | 448.3 |
| 127.5° | 479.0 | 479.3  | 479.2 | 479.1 | 479.0 | 478.8 | 478.7 | 478.5 | 478.2 | 478.0 | 477.7 |
| 130°   | 506.3 | 506.6  | 506.7 | 506.8 | 506.9 | 507.0 | 507.1 | 506.7 | 506.3 | 506.0 | 505.6 |
| 132.5° | 534.0 | 534.4  | 534.2 | 533.8 | 533.5 | 533.1 | 532.7 | 532.7 | 532.7 | 532.7 | 532.7 |
| 135°   | 559.6 | 560.0  | 559.9 | 559.6 | 559.4 | 559.1 | 558.9 | 558.6 | 558.4 | 558.1 | 557.8 |
| 137.5° | 583.5 | 583.9  | 583.8 | 583.5 | 583.2 | 583.0 | 582.7 | 582.7 | 582.7 | 582.7 | 582.7 |
| 140°   | 604.8 | 604.9  | 604.8 | 604.7 | 604.6 | 604.4 | 604.3 | 604.6 | 604.8 | 605.1 | 605.4 |
| 142.5° | 625.3 | 625.4  | 625.5 | 625.8 | 626.0 | 626.3 | 626.5 | 626.5 | 626.5 | 626.5 | 626.5 |
| 145°   | 646.3 | 646.4  | 646.4 | 646.4 | 646.4 | 646.4 | 646.4 | 646.5 | 646.7 | 646.8 | 646.9 |
| 147.5° | 663.5 | 663.5  | 663.6 | 663.7 | 663.8 | 663.9 | 664.0 | 664.1 | 664.3 | 664.4 | 664.5 |
| 150°   | 679.5 | 679.4  | 679.5 | 679.8 | 680.0 | 680.3 | 680.5 | 680.8 | 681.0 | 681.3 | 681.6 |
| 152.5° | 694.5 | 694.2  | 694.3 | 694.6 | 694.8 | 695.1 | 695.3 | 695.5 | 695.8 | 696.0 | 696.3 |
| 155°   | 707.6 | 707.2  | 707.3 | 707.6 | 707.9 | 708.1 | 708.4 | 708.8 | 709.2 | 709.5 | 709.9 |
| 157.5° | 719.9 | 719.7  | 719.7 | 719.7 | 719.7 | 719.7 | 719.7 | 720.1 | 720.5 | 720.9 | 721.3 |
| 160°   | 729.8 | 729.4  | 729.5 | 729.6 | 729.7 | 729.9 | 730.0 | 730.5 | 731.0 | 731.5 | 732.0 |
| 162.5° | 738.9 | 738.5  | 738.6 | 738.7 | 738.8 | 739.0 | 739.1 | 739.9 | 740.6 | 741.4 | 742.1 |
| 165°   | 746.9 | 746.5  | 746.6 | 746.7 | 746.8 | 746.9 | 747.0 | 747.8 | 748.5 | 749.3 | 750.0 |
| 167.5° | 753.1 | 752.7  | 752.8 | 752.9 | 753.0 | 753.2 | 753.3 | 754.2 | 755.1 | 756.0 | 756.9 |
| 170°   | 757.7 | 757.3  | 757.4 | 757.5 | 757.6 | 757.7 | 757.8 | 758.8 | 759.8 | 760.9 | 761.9 |
| 172.5° | 761.1 | 760.7  | 760.8 | 761.1 | 761.3 | 761.6 | 761.8 | 762.7 | 763.6 | 764.5 | 765.4 |
| 175°   | 763.9 | 763.5  | 763.6 | 763.7 | 763.8 | 764.0 | 764.1 | 765.1 | 766.1 | 767.1 | 768.1 |
| 177.5° | 765.6 | 765.2  | 765.3 | 765.4 | 765.5 | 765.7 | 765.8 | 766.7 | 767.6 | 768.5 | 769.4 |
| 180°   | 766.9 | 766.9  | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 |

TEST NUMBER: P1027087

CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-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°    | 11.9   | 12.1   | 12.5   | 12.8   | 13.2   | 13.6   | 13.2   | 12.8   | 12.5   | 12.1   | 11.9   |
| 92.5°  | 11.9   | 12.0   | 12.1   | 12.2   | 12.4   | 12.5   | 12.4   | 12.2   | 12.1   | 12.0   | 11.9   |
| 95°    | 11.9   | 11.9   | 11.9   | 11.9   | 11.9   | 11.9   | 11.9   | 11.9   | 11.9   | 11.9   | 11.9   |
| 97.5°  | 11.4   | 11.5   | 11.6   | 11.7   | 11.8   | 11.9   | 11.8   | 11.7   | 11.6   | 11.5   | 11.4   |
| 100°   | 14.2   | 13.9   | 13.4   | 12.9   | 12.4   | 11.9   | 12.4   | 12.9   | 13.4   | 13.9   | 14.2   |
| 102.5° | 134.2  | 128.9  | 118.3  | 107.6  | 97.0   | 86.4   | 97.0   | 107.6  | 118.3  | 128.9  | 134.2  |
| 105°   | 169.4  | 169.3  | 169.2  | 169.1  | 169.0  | 168.9  | 169.0  | 169.1  | 169.2  | 169.3  | 169.4  |
| 107.5° | 207.5  | 207.2  | 206.7  | 206.2  | 205.7  | 205.2  | 205.7  | 206.2  | 206.7  | 207.2  | 207.5  |
| 110°   | 242.8  | 242.9  | 243.0  | 243.1  | 243.2  | 243.3  | 243.2  | 243.1  | 243.0  | 242.9  | 242.8  |

TEST NUMBER: P1027087

CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 278.6  | 278.5 | 278.2 | 277.9 | 277.7 | 277.4 | 277.7 | 277.9 | 278.2 | 278.5 | 278.6  |
| 115°   | 315.0  | 314.6 | 313.8 | 313.1 | 312.3 | 311.5 | 312.3 | 313.1 | 313.8 | 314.6 | 315.0  |
| 117.5° | 349.6  | 349.5 | 349.2 | 349.0 | 348.7 | 348.5 | 348.7 | 349.0 | 349.2 | 349.5 | 349.6  |
| 120°   | 384.9  | 384.6 | 383.9 | 383.3 | 382.6 | 382.0 | 382.6 | 383.3 | 383.9 | 384.6 | 384.9  |
| 122.5° | 417.3  | 416.9 | 416.2 | 415.4 | 414.7 | 413.9 | 414.7 | 415.4 | 416.2 | 416.9 | 417.3  |
| 125°   | 448.0  | 447.8 | 447.4 | 447.1 | 446.7 | 446.3 | 446.7 | 447.1 | 447.4 | 447.8 | 448.0  |
| 127.5° | 477.6  | 477.1 | 476.1 | 475.0 | 474.0 | 473.0 | 474.0 | 475.0 | 476.1 | 477.1 | 477.6  |
| 130°   | 505.4  | 505.1 | 504.5 | 503.8 | 503.2 | 502.6 | 503.2 | 503.8 | 504.5 | 505.1 | 505.4  |
| 132.5° | 532.7  | 532.4 | 531.8 | 531.1 | 530.5 | 529.9 | 530.5 | 531.1 | 531.8 | 532.4 | 532.7  |
| 135°   | 557.7  | 557.3 | 556.6 | 555.8 | 555.1 | 554.3 | 555.1 | 555.8 | 556.6 | 557.3 | 557.7  |
| 137.5° | 582.7  | 582.4 | 581.8 | 581.1 | 580.5 | 579.9 | 580.5 | 581.1 | 581.8 | 582.4 | 582.7  |
| 140°   | 605.5  | 605.1 | 604.4 | 603.6 | 602.9 | 602.1 | 602.9 | 603.6 | 604.4 | 605.1 | 605.5  |
| 142.5° | 626.5  | 626.1 | 625.4 | 624.6 | 623.9 | 623.1 | 623.9 | 624.6 | 625.4 | 626.1 | 626.5  |
| 145°   | 647.0  | 646.6 | 645.9 | 645.1 | 644.4 | 643.6 | 644.4 | 645.1 | 645.9 | 646.6 | 647.0  |
| 147.5° | 664.6  | 664.2 | 663.3 | 662.4 | 661.5 | 660.6 | 661.5 | 662.4 | 663.3 | 664.2 | 664.6  |
| 150°   | 681.7  | 681.2 | 680.2 | 679.1 | 678.1 | 677.1 | 678.1 | 679.1 | 680.2 | 681.2 | 681.7  |
| 152.5° | 696.4  | 696.0 | 695.1 | 694.2 | 693.4 | 692.5 | 693.4 | 694.2 | 695.1 | 696.0 | 696.4  |
| 155°   | 710.1  | 709.6 | 708.6 | 707.5 | 706.5 | 705.5 | 706.5 | 707.5 | 708.6 | 709.6 | 710.1  |
| 157.5° | 721.5  | 721.0 | 720.0 | 718.9 | 717.9 | 716.9 | 717.9 | 718.9 | 720.0 | 721.0 | 721.5  |
| 160°   | 732.3  | 731.8 | 730.8 | 729.7 | 728.7 | 727.7 | 728.7 | 729.7 | 730.8 | 731.8 | 732.3  |
| 162.5° | 742.5  | 741.9 | 740.8 | 739.7 | 738.5 | 737.4 | 738.5 | 739.7 | 740.8 | 741.9 | 742.5  |
| 165°   | 750.4  | 749.9 | 748.9 | 747.9 | 746.9 | 745.9 | 746.9 | 747.9 | 748.9 | 749.9 | 750.4  |
| 167.5° | 757.3  | 756.7 | 755.6 | 754.5 | 753.3 | 752.2 | 753.3 | 754.5 | 755.6 | 756.7 | 757.3  |
| 170°   | 762.4  | 761.8 | 760.7 | 759.6 | 758.4 | 757.3 | 758.4 | 759.6 | 760.7 | 761.8 | 762.4  |
| 172.5° | 765.8  | 765.2 | 764.1 | 763.0 | 761.8 | 760.7 | 761.8 | 763.0 | 764.1 | 765.2 | 765.8  |
| 175°   | 768.6  | 768.0 | 766.9 | 765.8 | 764.6 | 763.5 | 764.6 | 765.8 | 766.9 | 768.0 | 768.6  |
| 177.5° | 769.8  | 769.3 | 768.3 | 767.2 | 766.2 | 765.2 | 766.2 | 767.2 | 768.3 | 769.3 | 769.8  |
| 180°   | 766.9  | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9  |

TEST NUMBER: P1027087

CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-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°    | 11.6   | 11.0   | 10.3   | 9.7    | 9.1    | 8.2    | 7.3    | 6.4    | 5.5    | 5.1    | 4.6    |
| 92.5°  | 11.6   | 11.0   | 10.3   | 9.7    | 9.1    | 8.3    | 7.6    | 6.8    | 6.1    | 5.7    | 6.3    |
| 95°    | 11.6   | 11.0   | 10.3   | 9.7    | 9.1    | 13.9   | 18.7   | 23.5   | 28.3   | 30.7   | 30.9   |
| 97.5°  | 11.3   | 11.0   | 10.7   | 10.5   | 10.2   | 22.2   | 34.2   | 46.2   | 58.2   | 64.2   | 63.8   |
| 100°   | 23.6   | 42.4   | 61.3   | 80.1   | 98.9   | 98.4   | 97.9   | 97.4   | 96.9   | 96.6   | 96.4   |
| 102.5° | 134.1  | 133.8  | 133.5  | 133.3  | 133.0  | 132.8  | 132.5  | 132.3  | 132.0  | 131.9  | 131.6  |
| 105°   | 169.4  | 169.4  | 169.4  | 169.4  | 169.4  | 169.4  | 169.4  | 169.4  | 169.4  | 169.4  | 169.1  |
| 107.5° | 207.4  | 207.3  | 207.2  | 207.0  | 206.9  | 206.7  | 206.4  | 206.2  | 205.9  | 205.8  | 205.8  |
| 110°   | 243.0  | 243.4  | 243.7  | 244.1  | 244.5  | 244.2  | 244.0  | 243.7  | 243.4  | 243.3  | 243.3  |

TEST NUMBER: P1027087

CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 278.8 | 279.3 | 279.8 | 280.3 | 280.8 | 280.7 | 280.6 | 280.5 | 280.4 | 280.3  | 280.1 |
| 115°   | 315.2 | 315.7 | 316.2 | 316.7 | 317.2 | 317.1 | 317.0 | 316.9 | 316.8 | 316.7  | 316.4 |
| 117.5° | 350.0 | 350.8 | 351.5 | 352.3 | 353.1 | 352.6 | 352.1 | 351.6 | 351.1 | 350.8  | 350.8 |
| 120°   | 385.0 | 385.3 | 385.5 | 385.8 | 386.0 | 385.6 | 385.2 | 384.9 | 384.5 | 384.3  | 384.4 |
| 122.5° | 417.4 | 417.7 | 417.9 | 418.2 | 418.4 | 418.3 | 418.2 | 418.1 | 418.0 | 417.9  | 417.6 |
| 125°   | 448.3 | 448.8 | 449.3 | 449.8 | 450.3 | 450.3 | 450.3 | 450.3 | 450.3 | 450.3  | 449.9 |
| 127.5° | 477.7 | 478.0 | 478.2 | 478.5 | 478.7 | 478.8 | 479.0 | 479.1 | 479.2 | 479.3  | 479.0 |
| 130°   | 505.6 | 506.0 | 506.3 | 506.7 | 507.1 | 507.0 | 506.9 | 506.8 | 506.7 | 506.6  | 506.3 |
| 132.5° | 532.7 | 532.7 | 532.7 | 532.7 | 532.7 | 533.1 | 533.5 | 533.8 | 534.2 | 534.4  | 534.0 |
| 135°   | 557.8 | 558.1 | 558.4 | 558.6 | 558.9 | 559.1 | 559.4 | 559.6 | 559.9 | 560.0  | 559.6 |
| 137.5° | 582.7 | 582.7 | 582.7 | 582.7 | 582.7 | 583.0 | 583.2 | 583.5 | 583.8 | 583.9  | 583.5 |
| 140°   | 605.4 | 605.1 | 604.8 | 604.6 | 604.3 | 604.4 | 604.6 | 604.7 | 604.8 | 604.9  | 604.8 |
| 142.5° | 626.5 | 626.5 | 626.5 | 626.5 | 626.5 | 626.3 | 626.0 | 625.8 | 625.5 | 625.4  | 625.3 |
| 145°   | 646.9 | 646.8 | 646.7 | 646.5 | 646.4 | 646.4 | 646.4 | 646.4 | 646.4 | 646.4  | 646.3 |
| 147.5° | 664.5 | 664.4 | 664.3 | 664.1 | 664.0 | 663.9 | 663.8 | 663.7 | 663.6 | 663.5  | 663.5 |
| 150°   | 681.6 | 681.3 | 681.0 | 680.8 | 680.5 | 680.3 | 680.0 | 679.8 | 679.5 | 679.4  | 679.5 |
| 152.5° | 696.3 | 696.0 | 695.8 | 695.5 | 695.3 | 695.1 | 694.8 | 694.6 | 694.3 | 694.2  | 694.5 |
| 155°   | 709.9 | 709.5 | 709.2 | 708.8 | 708.4 | 708.1 | 707.9 | 707.6 | 707.3 | 707.2  | 707.6 |
| 157.5° | 721.3 | 720.9 | 720.5 | 720.1 | 719.7 | 719.7 | 719.7 | 719.7 | 719.7 | 719.7  | 719.9 |
| 160°   | 732.0 | 731.5 | 731.0 | 730.5 | 730.0 | 729.9 | 729.7 | 729.6 | 729.5 | 729.4  | 729.8 |
| 162.5° | 742.1 | 741.4 | 740.6 | 739.9 | 739.1 | 739.0 | 738.8 | 738.7 | 738.6 | 738.5  | 738.9 |
| 165°   | 750.0 | 749.3 | 748.5 | 747.8 | 747.0 | 746.9 | 746.8 | 746.7 | 746.6 | 746.5  | 746.9 |
| 167.5° | 756.9 | 756.0 | 755.1 | 754.2 | 753.3 | 753.2 | 753.0 | 752.9 | 752.8 | 752.7  | 753.1 |
| 170°   | 761.9 | 760.9 | 759.8 | 758.8 | 757.8 | 757.7 | 757.6 | 757.5 | 757.4 | 757.3  | 757.7 |
| 172.5° | 765.4 | 764.5 | 763.6 | 762.7 | 761.8 | 761.6 | 761.3 | 761.1 | 760.8 | 760.7  | 761.1 |
| 175°   | 768.1 | 767.1 | 766.1 | 765.1 | 764.1 | 764.0 | 763.8 | 763.7 | 763.6 | 763.5  | 763.9 |
| 177.5° | 769.4 | 768.5 | 767.6 | 766.7 | 765.8 | 765.7 | 765.5 | 765.4 | 765.3 | 765.2  | 765.6 |
| 180°   | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9 | 766.9  | 766.9 |

TEST NUMBER: P1027087

CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-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°    | 3.6    | 2.6    | 1.6    | 0.6    |
| 92.5°  | 7.4    | 8.5    | 9.7    | 10.8   |
| 95°    | 31.3   | 31.6   | 32.0   | 32.4   |
| 97.5°  | 63.1   | 62.3   | 61.6   | 60.8   |
| 100°   | 96.0   | 95.7   | 95.3   | 94.9   |
| 102.5° | 131.1  | 130.6  | 130.1  | 129.6  |
| 105°   | 168.6  | 168.1  | 167.6  | 167.1  |
| 107.5° | 205.8  | 205.8  | 205.8  | 205.8  |
| 110°   | 243.3  | 243.3  | 243.3  | 243.3  |

TEST NUMBER: P1027087

CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 279.7 | 279.4 | 279.0 | 278.6 |
| 115°   | 315.7 | 315.1 | 314.4 | 313.8 |
| 117.5° | 350.8 | 350.8 | 350.8 | 350.8 |
| 120°   | 384.5 | 384.6 | 384.8 | 384.9 |
| 122.5° | 416.9 | 416.3 | 415.6 | 415.0 |
| 125°   | 449.0 | 448.1 | 447.2 | 446.3 |
| 127.5° | 478.3 | 477.7 | 477.0 | 476.4 |
| 130°   | 505.6 | 505.0 | 504.3 | 503.7 |
| 132.5° | 533.3 | 532.5 | 531.8 | 531.0 |
| 135°   | 558.9 | 558.1 | 557.4 | 556.6 |
| 137.5° | 582.8 | 582.0 | 581.3 | 580.5 |
| 140°   | 604.5 | 604.3 | 604.0 | 603.8 |
| 142.5° | 625.2 | 625.1 | 624.9 | 624.8 |
| 145°   | 646.0 | 645.8 | 645.5 | 645.3 |
| 147.5° | 663.5 | 663.5 | 663.5 | 663.5 |
| 150°   | 679.8 | 680.0 | 680.3 | 680.5 |
| 152.5° | 695.1 | 695.8 | 696.4 | 697.0 |
| 155°   | 708.4 | 709.1 | 709.9 | 710.7 |
| 157.5° | 720.3 | 720.7 | 721.1 | 721.5 |
| 160°   | 730.5 | 731.3 | 732.0 | 732.8 |
| 162.5° | 739.6 | 740.4 | 741.1 | 741.9 |
| 165°   | 747.6 | 748.4 | 749.1 | 749.9 |
| 167.5° | 753.8 | 754.6 | 755.3 | 756.1 |
| 170°   | 758.6 | 759.5 | 760.3 | 761.2 |
| 172.5° | 762.0 | 762.9 | 763.8 | 764.7 |
| 175°   | 764.6 | 765.4 | 766.1 | 766.9 |
| 177.5° | 766.3 | 767.1 | 767.8 | 768.6 |
| 180°   | 766.9 | 766.9 | 766.9 | 766.9 |

(END OF REPORT)