

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: P1007123

Luminaire Tested: S125RDR-B1090DB2750-4F0-XX-W2A-A\_3500K

Issue Date: 5/2/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1007123  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/2/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S125RDR-B1090DB2750-4F0-XX-W2A-A\_3500K  
Description: Define 5 Regressed Direct Recessed with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}  
Light Source: -  
Ballast/Driver: -

**Summary**

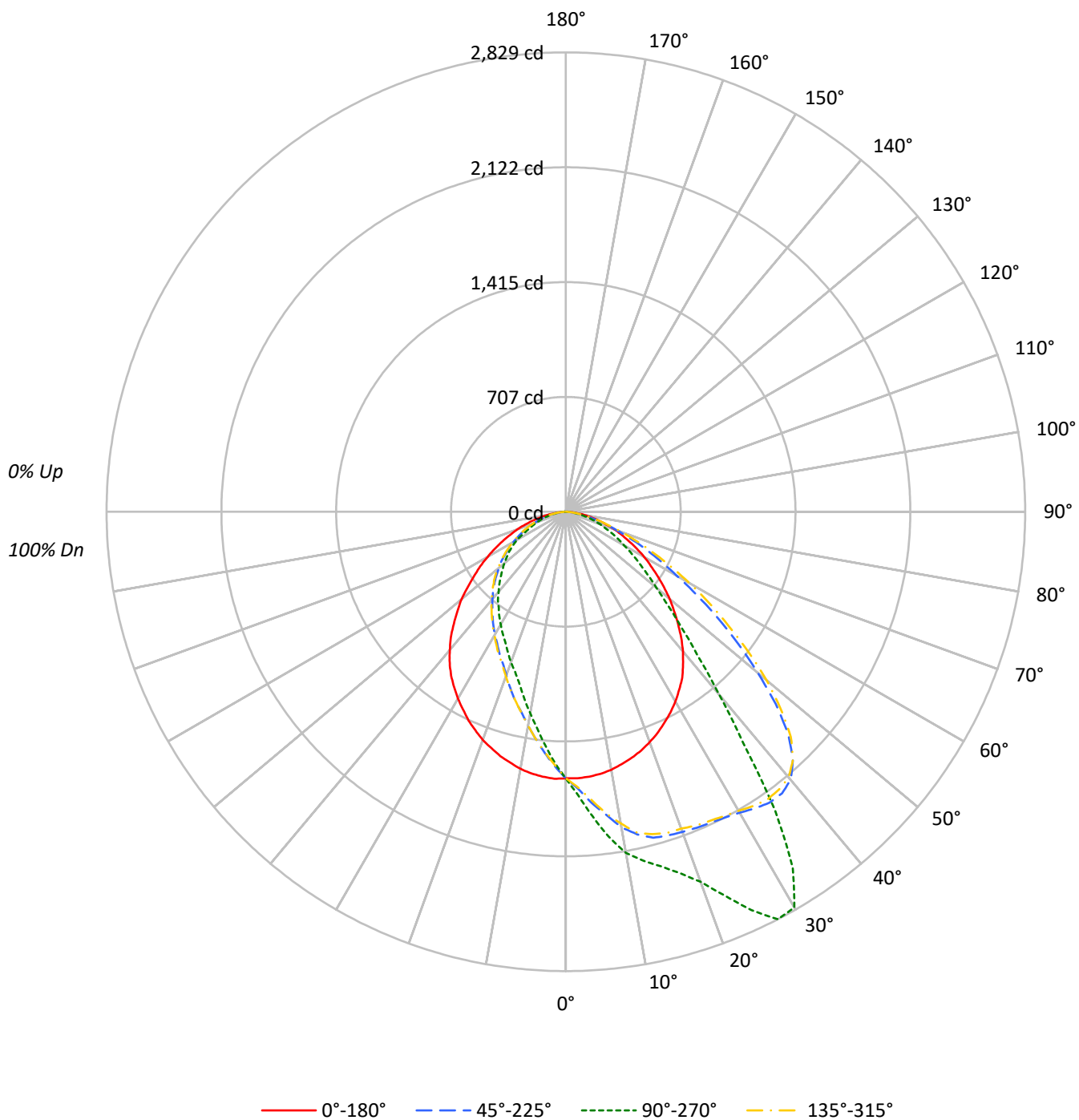
Lumens per Lamp: N/A  
Luminaire Lumens: 4253.0 lumens  
Efficiency: N/A  
Efficacy: 90.9 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.4 / 1.47  
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 46.8  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1007123

CATALOG NUMBER: S125RDR-B1090DB2750-4F0-XX-W2A-A\_3500K

### Luminous Intensity Polar Plot



TEST NUMBER: P1007123

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

|     |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |  |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|--|-----|-----|-----|--|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |  | 20  |     |     |  | 20  |     |     |  | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |  | 30  |     |     |  | 10  |     |     |  | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 |  | 100 |
| 1   | 110 | 106 | 102 | 98  | 107 | 103 | 100 | 97  | 99  | 96  | 94  |  | 95  | 93  | 91  |  | 92  | 90  | 88  |  | 86  |
| 2   | 101 | 93  | 87  | 82  | 98  | 91  | 86  | 81  | 88  | 83  | 79  |  | 85  | 81  | 77  |  | 82  | 78  | 75  |  | 73  |
| 3   | 92  | 83  | 75  | 69  | 90  | 81  | 74  | 69  | 78  | 72  | 67  |  | 76  | 70  | 66  |  | 73  | 69  | 65  |  | 63  |
| 4   | 85  | 74  | 66  | 59  | 83  | 73  | 65  | 59  | 70  | 63  | 58  |  | 68  | 62  | 57  |  | 66  | 61  | 57  |  | 55  |
| 5   | 79  | 66  | 58  | 52  | 77  | 65  | 57  | 51  | 63  | 56  | 51  |  | 61  | 55  | 50  |  | 60  | 54  | 50  |  | 48  |
| 6   | 73  | 60  | 52  | 45  | 71  | 59  | 51  | 45  | 57  | 50  | 45  |  | 56  | 49  | 44  |  | 54  | 49  | 44  |  | 42  |
| 7   | 68  | 55  | 46  | 40  | 66  | 54  | 46  | 40  | 52  | 45  | 40  |  | 51  | 44  | 40  |  | 50  | 44  | 39  |  | 37  |
| 8   | 63  | 50  | 42  | 36  | 61  | 49  | 42  | 36  | 48  | 41  | 36  |  | 47  | 40  | 36  |  | 46  | 40  | 35  |  | 34  |
| 9   | 59  | 46  | 38  | 33  | 58  | 45  | 38  | 33  | 44  | 37  | 32  |  | 43  | 37  | 32  |  | 42  | 36  | 32  |  | 30  |
| 10  | 55  | 42  | 35  | 30  | 54  | 42  | 35  | 30  | 41  | 34  | 30  |  | 40  | 34  | 29  |  | 39  | 33  | 29  |  | 28  |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 10518 | 10518 | 10518 | 10518 |
| 5°  | 10532 | 12101 | 10532 | 9301  |
| 10° | 10496 | 13880 | 10461 | 8207  |
| 15° | 10406 | 14992 | 10334 | 7295  |
| 20° | 10292 | 16532 | 10200 | 6736  |
| 25° | 10138 | 19132 | 10024 | 6250  |
| 30° | 9981  | 20819 | 9832  | 5933  |
| 35° | 9772  | 17563 | 9635  | 5640  |
| 40° | 9378  | 12265 | 9300  | 5388  |
| 45° | 8853  | 9098  | 8842  | 5141  |
| 50° | 8316  | 7254  | 8356  | 4930  |
| 55° | 7709  | 6157  | 7693  | 4742  |
| 60° | 7150  | 5319  | 7116  | 4439  |
| 65° | 6498  | 4741  | 6539  | 3820  |
| 70° | 5983  | 4166  | 5959  | 3484  |
| 75° | 5171  | 3604  | 5171  | 3270  |
| 80° | 4376  | 2734  | 4328  | 2734  |
| 85° | 3470  | 2279  | 3367  | 2573  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 17757 cd/sqm

TEST NUMBER: P1007123

CATALOG NUMBER: S125RDR-B1090DB2750-4F0-XX-W2A-A\_3500K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 157.4  | 3.7       |
| 10°-20°   | 461.5  | 10.9      |
| 20°-30°   | 731.8  | 17.2      |
| 30°-40°   | 884.2  | 20.8      |
| 40°-50°   | 787.3  | 18.5      |
| 50°-60°   | 603.7  | 14.2      |
| 60°-70°   | 392.1  | 9.2       |
| 70°-80°   | 190.3  | 4.5       |
| 80°-90°   | 44.8   | 1.1       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| <hr/>     |        |           |
| 0°-30°    | 1350.7 | 31.8      |
| 0°-40°    | 2234.9 | 52.5      |
| 0°-60°    | 3625.9 | 85.3      |
| 0°-90°    | 4253.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4253.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1642 | 1642 | 1642 | 1642 | 1642 |      |
| 5°  | 1638 | 1882 | 1638 | 1446 | 1638 | 156  |
| 15° | 1569 | 2260 | 1558 | 1100 | 1569 | 442  |
| 25° | 1434 | 2706 | 1418 | 884  | 1434 | 661  |
| 35° | 1249 | 2245 | 1232 | 721  | 1249 | 778  |
| 45° | 977  | 1004 | 976  | 567  | 977  | 754  |
| 55° | 690  | 551  | 689  | 424  | 690  | 618  |
| 65° | 429  | 313  | 431  | 252  | 429  | 428  |
| 75° | 209  | 146  | 209  | 132  | 209  | 224  |
| 85° | 47   | 31   | 46   | 35   | 47   | 57   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 |
| 2.5°  | 1642.9 | 1656.4 | 1660.5 | 1671.2 | 1683.4 | 1686.1 | 1692.8 | 1702.2 | 1707.6 | 1706.3 | 1706.3 |
| 5°    | 1637.5 | 1660.5 | 1676.6 | 1695.5 | 1718.4 | 1727.8 | 1735.9 | 1756.1 | 1772.3 | 1781.7 | 1797.9 |
| 7.5°  | 1628.1 | 1661.8 | 1688.8 | 1717.1 | 1752.1 | 1768.3 | 1785.8 | 1814.1 | 1843.7 | 1862.6 | 1880.1 |
| 10°   | 1613.3 | 1656.4 | 1694.1 | 1735.9 | 1783.1 | 1807.4 | 1828.9 | 1872.0 | 1908.4 | 1932.7 | 1973.1 |
| 12.5° | 1591.7 | 1645.6 | 1698.2 | 1753.4 | 1812.7 | 1838.4 | 1868.0 | 1915.2 | 1966.4 | 2001.4 | 2035.1 |
| 15°   | 1568.8 | 1633.5 | 1690.1 | 1756.1 | 1827.6 | 1866.7 | 1904.4 | 1954.3 | 2000.1 | 2039.2 | 2078.3 |
| 17.5° | 1541.8 | 1610.6 | 1680.7 | 1756.1 | 1837.0 | 1876.1 | 1908.4 | 1967.7 | 2016.3 | 2055.3 | 2090.4 |
| 20°   | 1509.5 | 1586.3 | 1665.8 | 1749.4 | 1831.6 | 1868.0 | 1899.0 | 1963.7 | 2006.8 | 2048.6 | 2098.5 |
| 22.5° | 1474.5 | 1558.0 | 1642.9 | 1725.1 | 1806.0 | 1845.1 | 1881.5 | 1938.1 | 1985.3 | 2041.9 | 2106.6 |
| 25°   | 1434.0 | 1525.7 | 1611.9 | 1694.1 | 1771.0 | 1807.4 | 1839.7 | 1901.7 | 1967.7 | 2039.2 | 2112.0 |
| 27.5° | 1393.6 | 1482.5 | 1566.1 | 1641.6 | 1725.1 | 1758.8 | 1791.2 | 1869.4 | 1947.5 | 2023.0 | 2122.7 |
| 30°   | 1349.1 | 1439.4 | 1512.2 | 1582.3 | 1663.1 | 1698.2 | 1738.6 | 1827.6 | 1916.5 | 2019.0 | 2140.3 |
| 32.5° | 1299.2 | 1381.5 | 1448.9 | 1521.6 | 1594.4 | 1637.5 | 1688.8 | 1785.8 | 1888.2 | 2010.9 | 2165.9 |
| 35°   | 1249.4 | 1315.4 | 1377.4 | 1446.2 | 1533.8 | 1579.6 | 1629.5 | 1731.9 | 1859.9 | 2006.8 | 2187.4 |
| 37.5° | 1186.0 | 1249.4 | 1297.9 | 1368.0 | 1458.3 | 1512.2 | 1562.1 | 1680.7 | 1826.2 | 1997.4 | 2186.1 |
| 40°   | 1121.3 | 1175.3 | 1221.1 | 1293.9 | 1392.2 | 1442.1 | 1496.0 | 1625.4 | 1791.2 | 1970.4 | 2153.7 |
| 42.5° | 1051.3 | 1097.1 | 1147.0 | 1217.0 | 1312.7 | 1361.2 | 1423.2 | 1574.2 | 1742.7 | 1932.7 | 2070.2 |
| 45°   | 977.1  | 1021.6 | 1063.4 | 1136.2 | 1231.9 | 1284.4 | 1351.8 | 1506.8 | 1683.4 | 1853.2 | 1935.4 |
| 47.5° | 904.4  | 943.4  | 987.9  | 1051.3 | 1148.3 | 1206.3 | 1275.0 | 1440.8 | 1603.8 | 1746.7 | 1753.4 |
| 50°   | 834.3  | 865.3  | 903.0  | 967.7  | 1068.8 | 1124.0 | 1195.5 | 1350.5 | 1509.5 | 1607.9 | 1541.8 |
| 52.5° | 761.5  | 789.8  | 828.9  | 885.5  | 979.8  | 1044.5 | 1106.5 | 1261.5 | 1394.9 | 1461.0 | 1339.7 |
| 55°   | 690.1  | 714.3  | 754.8  | 818.1  | 900.3  | 950.2  | 1013.5 | 1157.7 | 1275.0 | 1276.3 | 1144.3 |
| 57.5° | 620.0  | 641.5  | 675.2  | 731.8  | 808.7  | 866.6  | 924.6  | 1049.9 | 1129.4 | 1106.5 | 959.6  |
| 60°   | 558.0  | 571.5  | 602.5  | 657.7  | 729.1  | 770.9  | 832.9  | 938.0  | 990.6  | 948.8  | 791.1  |
| 62.5° | 493.3  | 506.8  | 531.0  | 575.5  | 642.9  | 687.4  | 726.4  | 812.7  | 849.1  | 785.7  | 656.4  |
| 65°   | 428.6  | 444.8  | 462.3  | 497.3  | 560.7  | 590.3  | 625.4  | 688.7  | 723.8  | 649.6  | 537.8  |
| 67.5° | 372.0  | 380.1  | 397.6  | 434.0  | 478.5  | 505.4  | 529.7  | 572.8  | 579.5  | 520.2  | 428.6  |
| 70°   | 319.4  | 322.1  | 338.3  | 359.9  | 393.5  | 409.7  | 429.9  | 455.5  | 455.5  | 407.0  | 334.2  |
| 72.5° | 260.1  | 264.2  | 276.3  | 299.2  | 319.4  | 327.5  | 334.2  | 350.4  | 347.7  | 303.2  | 253.4  |
| 75°   | 208.9  | 211.6  | 221.0  | 231.8  | 239.9  | 254.7  | 260.1  | 257.4  | 256.1  | 218.3  | 190.0  |
| 77.5° | 161.7  | 163.1  | 169.8  | 179.3  | 180.6  | 186.0  | 181.9  | 181.9  | 169.8  | 148.3  | 133.4  |
| 80°   | 118.6  | 120.0  | 122.6  | 125.3  | 125.3  | 125.3  | 125.3  | 118.6  | 110.5  | 97.0   | 93.0   |
| 82.5° | 79.5   | 79.5   | 80.9   | 83.6   | 82.2   | 79.5   | 76.8   | 70.1   | 64.7   | 60.6   | 58.0   |
| 85°   | 47.2   | 47.2   | 48.5   | 47.2   | 41.8   | 40.4   | 37.7   | 36.4   | 35.0   | 33.7   | 33.7   |
| 87.5° | 22.9   | 21.6   | 18.9   | 16.2   | 16.2   | 16.2   | 16.2   | 16.2   | 16.2   | 14.8   | 14.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 |
| 2.5°  | 1713.0 | 1722.4 | 1730.5 | 1726.5 | 1742.7 | 1741.3 | 1744.0 | 1749.4 | 1750.8 | 1748.1 | 1742.7 |
| 5°    | 1806.0 | 1819.5 | 1842.4 | 1854.5 | 1851.8 | 1862.6 | 1868.0 | 1876.1 | 1884.2 | 1881.5 | 1881.5 |
| 7.5°  | 1909.8 | 1928.7 | 1951.6 | 1982.6 | 1986.6 | 1996.0 | 2012.2 | 2012.2 | 2021.7 | 2017.6 | 2016.3 |
| 10°   | 2000.1 | 2023.0 | 2059.4 | 2083.6 | 2094.4 | 2099.8 | 2116.0 | 2121.4 | 2132.2 | 2133.5 | 2133.5 |
| 12.5° | 2074.2 | 2114.6 | 2138.9 | 2163.2 | 2168.6 | 2176.6 | 2188.8 | 2196.9 | 2200.9 | 2200.9 | 2196.9 |
| 15°   | 2113.3 | 2145.6 | 2174.0 | 2199.6 | 2214.4 | 2221.1 | 2233.3 | 2242.7 | 2248.1 | 2260.2 | 2262.9 |
| 17.5° | 2129.5 | 2168.6 | 2214.4 | 2250.8 | 2276.4 | 2283.1 | 2307.4 | 2315.5 | 2326.2 | 2331.6 | 2338.4 |
| 20°   | 2152.4 | 2209.0 | 2264.3 | 2308.7 | 2333.0 | 2350.5 | 2376.1 | 2413.9 | 2424.6 | 2424.6 | 2420.6 |
| 22.5° | 2172.6 | 2245.4 | 2320.9 | 2392.3 | 2412.5 | 2447.5 | 2494.7 | 2535.2 | 2551.3 | 2558.1 | 2552.7 |
| 25°   | 2196.9 | 2296.6 | 2395.0 | 2483.9 | 2539.2 | 2564.8 | 2628.1 | 2676.7 | 2695.5 | 2706.3 | 2709.0 |
| 27.5° | 2238.6 | 2364.0 | 2489.3 | 2602.5 | 2659.1 | 2688.8 | 2754.8 | 2796.6 | 2819.5 | 2829.0 | 2822.2 |
| 30°   | 2285.8 | 2439.5 | 2585.0 | 2686.1 | 2723.8 | 2760.2 | 2803.4 | 2819.5 | 2814.1 | 2814.1 | 2834.4 |
| 32.5° | 2334.3 | 2493.4 | 2622.8 | 2688.8 | 2702.3 | 2696.9 | 2679.4 | 2630.8 | 2602.5 | 2602.5 | 2620.1 |
| 35°   | 2361.3 | 2498.8 | 2564.8 | 2543.2 | 2490.7 | 2459.7 | 2364.0 | 2310.1 | 2249.4 | 2245.4 | 2265.6 |
| 37.5° | 2346.5 | 2405.8 | 2378.8 | 2237.3 | 2165.9 | 2106.6 | 1957.0 | 1897.7 | 1853.2 | 1791.2 | 1886.9 |
| 40°   | 2242.7 | 2222.5 | 2082.3 | 1878.8 | 1799.3 | 1715.7 | 1597.1 | 1537.8 | 1475.8 | 1466.4 | 1489.3 |
| 42.5° | 2067.5 | 1947.5 | 1742.7 | 1545.9 | 1465.0 | 1405.7 | 1315.4 | 1257.5 | 1218.4 | 1202.2 | 1229.2 |
| 45°   | 1849.1 | 1660.5 | 1455.6 | 1299.2 | 1210.3 | 1179.3 | 1097.1 | 1045.9 | 1016.2 | 1004.1 | 1023.0 |
| 47.5° | 1582.3 | 1392.2 | 1198.2 | 1066.1 | 1013.5 | 982.5  | 927.3  | 882.8  | 857.2  | 849.1  | 857.2  |
| 50°   | 1343.7 | 1148.3 | 985.2  | 900.3  | 853.1  | 827.5  | 781.7  | 753.4  | 733.2  | 727.8  | 741.3  |
| 52.5° | 1137.5 | 959.6  | 835.6  | 760.1  | 729.1  | 707.6  | 675.2  | 651.0  | 638.8  | 633.5  | 642.9  |
| 55°   | 952.9  | 808.7  | 708.9  | 644.2  | 621.3  | 607.8  | 579.5  | 566.1  | 552.6  | 551.2  | 560.7  |
| 57.5° | 789.8  | 690.1  | 598.4  | 552.6  | 545.8  | 525.6  | 501.4  | 489.2  | 482.5  | 481.2  | 485.2  |
| 60°   | 657.7  | 568.8  | 513.5  | 473.1  | 463.6  | 447.5  | 434.0  | 425.9  | 417.8  | 415.1  | 417.8  |
| 62.5° | 547.2  | 477.1  | 432.6  | 405.7  | 392.2  | 388.2  | 373.3  | 363.9  | 362.5  | 362.5  | 365.2  |
| 65°   | 451.5  | 392.2  | 363.9  | 342.3  | 332.9  | 328.9  | 318.1  | 311.3  | 312.7  | 312.7  | 314.0  |
| 67.5° | 367.9  | 324.8  | 299.2  | 288.4  | 280.3  | 279.0  | 268.2  | 265.5  | 262.8  | 262.8  | 265.5  |
| 70°   | 292.5  | 265.5  | 246.6  | 241.3  | 239.9  | 230.5  | 226.4  | 225.1  | 221.0  | 222.4  | 222.4  |
| 72.5° | 229.1  | 211.6  | 200.8  | 192.7  | 194.1  | 188.7  | 183.3  | 183.3  | 180.6  | 184.6  | 184.6  |
| 75°   | 169.8  | 161.7  | 153.6  | 151.0  | 153.6  | 151.0  | 146.9  | 145.6  | 146.9  | 145.6  | 145.6  |
| 77.5° | 125.3  | 121.3  | 118.6  | 117.3  | 117.3  | 111.9  | 109.2  | 111.9  | 106.5  | 109.2  | 109.2  |
| 80°   | 87.6   | 82.2   | 80.9   | 78.2   | 79.5   | 75.5   | 76.8   | 74.1   | 74.1   | 74.1   | 74.1   |
| 82.5° | 55.3   | 53.9   | 53.9   | 53.9   | 52.6   | 52.6   | 52.6   | 52.6   | 52.6   | 52.6   | 51.2   |
| 85°   | 33.7   | 32.3   | 32.3   | 32.3   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   |
| 87.5° | 13.5   | 14.8   | 14.8   | 16.2   | 14.8   | 13.5   | 13.5   | 13.5   | 14.8   | 14.8   | 13.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 |
| 2.5°  | 1749.4 | 1740.0 | 1744.0 | 1740.0 | 1735.9 | 1731.9 | 1722.4 | 1709.0 | 1698.2 | 1690.1 | 1688.8 |
| 5°    | 1884.2 | 1872.0 | 1864.0 | 1859.9 | 1851.8 | 1841.1 | 1823.5 | 1803.3 | 1779.1 | 1769.6 | 1750.8 |
| 7.5°  | 2008.2 | 2004.1 | 1985.3 | 1982.6 | 1977.2 | 1957.0 | 1927.3 | 1900.4 | 1869.4 | 1843.7 | 1819.5 |
| 10°   | 2125.4 | 2116.0 | 2102.5 | 2083.6 | 2081.0 | 2055.3 | 2027.0 | 1989.3 | 1948.9 | 1924.6 | 1881.5 |
| 12.5° | 2198.2 | 2187.4 | 2172.6 | 2160.5 | 2153.7 | 2137.6 | 2098.5 | 2060.7 | 2024.3 | 1979.9 | 1942.1 |
| 15°   | 2250.8 | 2237.3 | 2210.3 | 2200.9 | 2192.8 | 2171.3 | 2143.0 | 2103.9 | 2055.3 | 2024.3 | 1970.4 |
| 17.5° | 2322.2 | 2306.0 | 2279.1 | 2261.6 | 2246.7 | 2213.0 | 2172.6 | 2120.0 | 2074.2 | 2039.2 | 1990.7 |
| 20°   | 2404.4 | 2380.2 | 2345.1 | 2322.2 | 2300.6 | 2261.6 | 2204.9 | 2143.0 | 2076.9 | 2033.8 | 1983.9 |
| 22.5° | 2540.5 | 2494.7 | 2439.5 | 2407.1 | 2377.5 | 2310.1 | 2242.7 | 2165.9 | 2091.7 | 2027.0 | 1966.4 |
| 25°   | 2672.6 | 2626.8 | 2558.1 | 2513.6 | 2467.8 | 2389.6 | 2300.6 | 2194.2 | 2099.8 | 2024.3 | 1944.8 |
| 27.5° | 2795.3 | 2748.1 | 2684.8 | 2630.8 | 2586.4 | 2469.1 | 2351.9 | 2231.9 | 2112.0 | 2008.2 | 1927.3 |
| 30°   | 2823.6 | 2803.4 | 2754.8 | 2707.7 | 2667.2 | 2559.4 | 2423.3 | 2271.0 | 2126.8 | 1993.3 | 1903.0 |
| 32.5° | 2652.4 | 2702.3 | 2714.4 | 2707.7 | 2682.1 | 2605.2 | 2479.9 | 2319.5 | 2148.3 | 1986.6 | 1862.6 |
| 35°   | 2296.6 | 2386.9 | 2479.9 | 2529.8 | 2554.0 | 2564.8 | 2490.7 | 2343.8 | 2163.2 | 1975.8 | 1835.7 |
| 37.5° | 1904.4 | 1992.0 | 2138.9 | 2213.0 | 2295.2 | 2403.1 | 2432.7 | 2338.4 | 2156.4 | 1967.7 | 1792.5 |
| 40°   | 1564.8 | 1676.6 | 1797.9 | 1865.3 | 1936.7 | 2130.8 | 2277.7 | 2266.9 | 2134.9 | 1938.1 | 1758.8 |
| 42.5° | 1273.6 | 1343.7 | 1450.2 | 1524.3 | 1611.9 | 1828.9 | 2025.7 | 2122.7 | 2070.2 | 1901.7 | 1715.7 |
| 45°   | 1062.0 | 1116.0 | 1191.4 | 1266.9 | 1320.8 | 1517.6 | 1750.8 | 1909.8 | 1959.7 | 1837.0 | 1649.7 |
| 47.5° | 894.9  | 935.4  | 1001.4 | 1048.6 | 1106.5 | 1261.5 | 1463.7 | 1687.4 | 1792.5 | 1745.4 | 1579.6 |
| 50°   | 766.9  | 799.2  | 851.8  | 881.4  | 932.7  | 1066.1 | 1219.7 | 1454.2 | 1613.3 | 1618.7 | 1486.6 |
| 52.5° | 655.0  | 687.4  | 731.8  | 757.4  | 788.4  | 878.7  | 1033.7 | 1231.9 | 1415.2 | 1482.5 | 1380.1 |
| 55°   | 570.1  | 589.0  | 625.4  | 645.6  | 673.9  | 761.5  | 859.9  | 1028.3 | 1219.7 | 1330.2 | 1265.6 |
| 57.5° | 491.9  | 512.2  | 535.1  | 551.2  | 571.5  | 641.5  | 730.5  | 857.2  | 1047.2 | 1167.2 | 1145.6 |
| 60°   | 428.6  | 440.7  | 462.3  | 474.4  | 493.3  | 539.1  | 601.1  | 727.8  | 878.7  | 992.0  | 1004.1 |
| 62.5° | 369.3  | 380.1  | 394.9  | 405.7  | 417.8  | 454.2  | 500.0  | 590.3  | 722.4  | 845.1  | 861.2  |
| 65°   | 318.1  | 327.5  | 335.6  | 345.0  | 354.5  | 377.4  | 416.5  | 486.5  | 589.0  | 703.5  | 738.6  |
| 67.5° | 272.2  | 274.9  | 287.1  | 288.4  | 293.8  | 311.3  | 339.6  | 396.2  | 470.4  | 562.0  | 607.8  |
| 70°   | 227.8  | 233.2  | 235.9  | 239.9  | 245.3  | 257.4  | 280.3  | 310.0  | 365.2  | 439.4  | 482.5  |
| 72.5° | 184.6  | 186.0  | 190.0  | 192.7  | 198.1  | 207.6  | 218.3  | 241.3  | 276.3  | 330.2  | 369.3  |
| 75°   | 146.9  | 148.3  | 151.0  | 152.3  | 156.3  | 159.0  | 164.4  | 180.6  | 204.9  | 237.2  | 265.5  |
| 77.5° | 110.5  | 113.2  | 115.9  | 115.9  | 117.3  | 120.0  | 122.6  | 128.0  | 140.2  | 161.7  | 186.0  |
| 80°   | 75.5   | 76.8   | 76.8   | 78.2   | 76.8   | 80.9   | 84.9   | 91.6   | 97.0   | 103.8  | 115.9  |
| 82.5° | 52.6   | 52.6   | 52.6   | 53.9   | 53.9   | 55.3   | 55.3   | 56.6   | 58.0   | 62.0   | 67.4   |
| 85°   | 32.3   | 32.3   | 33.7   | 31.0   | 32.3   | 33.7   | 33.7   | 32.3   | 33.7   | 35.0   | 36.4   |
| 87.5° | 13.5   | 13.5   | 14.8   | 14.8   | 14.8   | 14.8   | 13.5   | 14.8   | 13.5   | 14.8   | 14.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 |
| 2.5°  | 1684.7 | 1676.6 | 1671.2 | 1669.9 | 1661.8 | 1655.1 | 1647.0 | 1645.6 | 1641.6 | 1630.8 | 1624.1 |
| 5°    | 1737.3 | 1718.4 | 1714.4 | 1702.2 | 1682.0 | 1667.2 | 1648.3 | 1637.5 | 1625.4 | 1605.2 | 1589.0 |
| 7.5°  | 1791.2 | 1765.6 | 1746.7 | 1729.2 | 1700.9 | 1673.9 | 1647.0 | 1625.4 | 1603.8 | 1574.2 | 1549.9 |
| 10°   | 1843.7 | 1804.7 | 1781.7 | 1756.1 | 1717.1 | 1676.6 | 1638.9 | 1607.9 | 1572.8 | 1537.8 | 1502.8 |
| 12.5° | 1892.3 | 1842.4 | 1808.7 | 1772.3 | 1723.8 | 1673.9 | 1625.4 | 1582.3 | 1545.9 | 1498.7 | 1459.6 |
| 15°   | 1921.9 | 1866.7 | 1833.0 | 1797.9 | 1725.1 | 1669.9 | 1613.3 | 1558.0 | 1509.5 | 1459.6 | 1423.2 |
| 17.5° | 1939.4 | 1877.4 | 1839.7 | 1807.4 | 1733.2 | 1657.8 | 1585.0 | 1525.7 | 1473.1 | 1413.8 | 1365.3 |
| 20°   | 1931.4 | 1870.7 | 1835.7 | 1804.7 | 1718.4 | 1642.9 | 1564.8 | 1496.0 | 1430.0 | 1369.3 | 1318.1 |
| 22.5° | 1913.8 | 1850.5 | 1811.4 | 1783.1 | 1706.3 | 1617.3 | 1531.1 | 1456.9 | 1388.2 | 1327.6 | 1269.6 |
| 25°   | 1876.1 | 1814.1 | 1780.4 | 1745.4 | 1669.9 | 1585.0 | 1497.4 | 1417.9 | 1345.1 | 1280.4 | 1215.7 |
| 27.5° | 1842.4 | 1766.9 | 1731.9 | 1700.9 | 1621.4 | 1545.9 | 1459.6 | 1372.0 | 1297.9 | 1230.5 | 1165.8 |
| 30°   | 1803.3 | 1718.4 | 1680.7 | 1638.9 | 1567.5 | 1496.0 | 1409.8 | 1328.9 | 1252.1 | 1180.6 | 1118.6 |
| 32.5° | 1761.5 | 1663.1 | 1620.0 | 1572.8 | 1500.1 | 1432.7 | 1359.9 | 1280.4 | 1203.6 | 1133.5 | 1068.8 |
| 35°   | 1707.6 | 1602.5 | 1552.6 | 1508.2 | 1432.7 | 1365.3 | 1297.9 | 1231.9 | 1155.0 | 1080.9 | 1018.9 |
| 37.5° | 1656.4 | 1540.5 | 1487.9 | 1436.7 | 1357.2 | 1292.5 | 1237.3 | 1175.3 | 1101.1 | 1029.7 | 970.4  |
| 40°   | 1598.5 | 1465.0 | 1411.1 | 1363.9 | 1281.7 | 1210.3 | 1160.4 | 1111.9 | 1047.2 | 978.5  | 913.8  |
| 42.5° | 1545.9 | 1394.9 | 1338.3 | 1289.8 | 1203.6 | 1136.2 | 1089.0 | 1048.6 | 992.0  | 928.6  | 862.6  |
| 45°   | 1473.1 | 1319.5 | 1261.5 | 1210.3 | 1122.7 | 1059.3 | 1010.8 | 975.8  | 931.3  | 872.0  | 812.7  |
| 47.5° | 1405.7 | 1246.7 | 1183.3 | 1121.3 | 1041.8 | 977.1  | 932.7  | 905.7  | 876.0  | 823.5  | 762.8  |
| 50°   | 1323.5 | 1163.1 | 1098.4 | 1047.2 | 956.9  | 901.7  | 857.2  | 838.3  | 811.4  | 761.5  | 713.0  |
| 52.5° | 1234.6 | 1082.3 | 1021.6 | 959.6  | 876.0  | 822.1  | 783.1  | 761.5  | 739.9  | 703.5  | 657.7  |
| 55°   | 1130.8 | 992.0  | 935.4  | 880.1  | 796.5  | 746.7  | 711.6  | 688.7  | 676.6  | 642.9  | 609.2  |
| 57.5° | 1031.0 | 900.3  | 847.7  | 796.5  | 723.8  | 667.1  | 644.2  | 624.0  | 606.5  | 582.2  | 553.9  |
| 60°   | 930.0  | 811.4  | 754.8  | 708.9  | 645.6  | 594.4  | 575.5  | 555.3  | 541.8  | 522.9  | 502.7  |
| 62.5° | 814.1  | 713.0  | 669.8  | 626.7  | 572.8  | 532.4  | 510.8  | 494.6  | 477.1  | 465.0  | 447.5  |
| 65°   | 691.4  | 620.0  | 578.2  | 545.8  | 494.6  | 458.2  | 442.1  | 431.3  | 416.5  | 404.3  | 390.9  |
| 67.5° | 576.8  | 520.2  | 502.7  | 467.7  | 428.6  | 396.2  | 384.1  | 370.6  | 358.5  | 351.8  | 339.6  |
| 70°   | 466.3  | 425.9  | 408.4  | 398.9  | 355.8  | 334.2  | 323.5  | 318.1  | 303.2  | 296.5  | 288.4  |
| 72.5° | 361.2  | 346.4  | 334.2  | 322.1  | 293.8  | 280.3  | 268.2  | 262.8  | 252.0  | 246.6  | 243.9  |
| 75°   | 266.9  | 257.4  | 250.7  | 249.3  | 237.2  | 223.7  | 211.6  | 208.9  | 200.8  | 195.4  | 192.7  |
| 77.5° | 187.3  | 184.6  | 183.3  | 184.6  | 176.6  | 168.5  | 165.8  | 163.1  | 153.6  | 152.3  | 152.3  |
| 80°   | 122.6  | 129.4  | 129.4  | 128.0  | 125.3  | 124.0  | 120.0  | 117.3  | 111.9  | 110.5  | 111.9  |
| 82.5° | 75.5   | 79.5   | 80.9   | 83.6   | 82.2   | 80.9   | 78.2   | 76.8   | 78.2   | 75.5   | 76.8   |
| 85°   | 37.7   | 40.4   | 45.8   | 45.8   | 47.2   | 47.2   | 47.2   | 45.8   | 43.1   | 44.5   | 43.1   |
| 87.5° | 14.8   | 16.2   | 16.2   | 16.2   | 14.8   | 18.9   | 20.2   | 20.2   | 20.2   | 17.5   | 17.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 |
| 2.5°  | 1620.0 | 1614.6 | 1610.6 | 1606.5 | 1589.0 | 1570.1 | 1567.5 | 1563.4 | 1555.3 | 1564.8 | 1560.7 |
| 5°    | 1578.2 | 1566.1 | 1559.4 | 1541.8 | 1520.3 | 1504.1 | 1490.6 | 1474.5 | 1467.7 | 1462.3 | 1461.0 |
| 7.5°  | 1527.0 | 1516.2 | 1504.1 | 1486.6 | 1459.6 | 1432.7 | 1412.5 | 1396.3 | 1382.8 | 1376.1 | 1376.1 |
| 10°   | 1477.2 | 1463.7 | 1447.5 | 1417.9 | 1392.2 | 1358.6 | 1337.0 | 1320.8 | 1301.9 | 1291.2 | 1281.7 |
| 12.5° | 1425.9 | 1411.1 | 1396.3 | 1358.6 | 1328.9 | 1293.9 | 1262.9 | 1242.6 | 1233.2 | 1221.1 | 1204.9 |
| 15°   | 1374.7 | 1351.8 | 1337.0 | 1299.2 | 1261.5 | 1226.5 | 1206.3 | 1184.7 | 1163.1 | 1151.0 | 1145.6 |
| 17.5° | 1320.8 | 1304.6 | 1280.4 | 1239.9 | 1198.2 | 1167.2 | 1137.5 | 1117.3 | 1091.7 | 1079.6 | 1067.4 |
| 20°   | 1272.3 | 1248.0 | 1223.8 | 1183.3 | 1142.9 | 1101.1 | 1071.5 | 1047.2 | 1031.0 | 1021.6 | 1010.8 |
| 22.5° | 1214.3 | 1191.4 | 1171.2 | 1128.1 | 1083.6 | 1044.5 | 1012.2 | 997.3  | 981.2  | 966.3  | 955.6  |
| 25°   | 1164.5 | 1141.6 | 1121.3 | 1074.2 | 1025.7 | 989.3  | 965.0  | 946.1  | 928.6  | 921.9  | 911.1  |
| 27.5° | 1111.9 | 1090.3 | 1063.4 | 1016.2 | 973.1  | 942.1  | 916.5  | 899.0  | 885.5  | 872.0  | 863.9  |
| 30°   | 1062.0 | 1037.8 | 1013.5 | 962.3  | 927.3  | 896.3  | 872.0  | 850.4  | 839.7  | 832.9  | 819.4  |
| 32.5° | 1013.5 | 982.5  | 962.3  | 915.1  | 881.4  | 851.8  | 831.6  | 812.7  | 799.2  | 787.1  | 776.3  |
| 35°   | 961.0  | 927.3  | 907.0  | 868.0  | 832.9  | 803.3  | 785.7  | 772.3  | 756.1  | 745.3  | 739.9  |
| 37.5° | 911.1  | 882.8  | 862.6  | 822.1  | 787.1  | 762.8  | 744.0  | 726.4  | 719.7  | 704.9  | 702.2  |
| 40°   | 857.2  | 832.9  | 814.1  | 775.0  | 742.6  | 723.8  | 703.5  | 687.4  | 675.2  | 668.5  | 659.1  |
| 42.5° | 808.7  | 788.4  | 768.2  | 731.8  | 700.8  | 677.9  | 663.1  | 648.3  | 637.5  | 626.7  | 620.0  |
| 45°   | 764.2  | 742.6  | 723.8  | 688.7  | 657.7  | 637.5  | 622.7  | 605.1  | 602.5  | 587.6  | 580.9  |
| 47.5° | 717.0  | 698.1  | 682.0  | 645.6  | 617.3  | 597.1  | 579.5  | 567.4  | 555.3  | 549.9  | 540.5  |
| 50°   | 671.2  | 652.3  | 633.5  | 601.1  | 575.5  | 555.3  | 537.8  | 524.3  | 517.5  | 509.5  | 501.4  |
| 52.5° | 621.3  | 606.5  | 591.7  | 558.0  | 532.4  | 514.8  | 500.0  | 482.5  | 475.8  | 469.0  | 463.6  |
| 55°   | 579.5  | 558.0  | 541.8  | 513.5  | 490.6  | 471.7  | 455.5  | 442.1  | 435.3  | 429.9  | 423.2  |
| 57.5° | 522.9  | 509.5  | 496.0  | 470.4  | 448.8  | 429.9  | 413.8  | 403.0  | 394.9  | 390.9  | 392.2  |
| 60°   | 474.4  | 459.6  | 451.5  | 424.5  | 403.0  | 388.2  | 373.3  | 362.5  | 354.5  | 350.4  | 349.1  |
| 62.5° | 423.2  | 412.4  | 397.6  | 378.7  | 357.2  | 343.7  | 332.9  | 324.8  | 311.3  | 310.0  | 305.9  |
| 65°   | 373.3  | 365.2  | 351.8  | 334.2  | 316.7  | 304.6  | 292.5  | 281.7  | 276.3  | 269.6  | 265.5  |
| 67.5° | 324.8  | 316.7  | 304.6  | 289.8  | 277.6  | 265.5  | 254.7  | 243.9  | 234.5  | 229.1  | 226.4  |
| 70°   | 277.6  | 270.9  | 262.8  | 245.3  | 230.5  | 221.0  | 212.9  | 206.2  | 196.8  | 194.1  | 192.7  |
| 72.5° | 231.8  | 225.1  | 221.0  | 206.2  | 192.7  | 184.6  | 176.6  | 169.8  | 165.8  | 164.4  | 160.4  |
| 75°   | 190.0  | 183.3  | 177.9  | 164.4  | 156.3  | 151.0  | 142.9  | 140.2  | 136.1  | 134.8  | 133.4  |
| 77.5° | 148.3  | 141.5  | 140.2  | 130.7  | 121.3  | 118.6  | 115.9  | 110.5  | 110.5  | 110.5  | 107.8  |
| 80°   | 106.5  | 105.1  | 103.8  | 94.3   | 90.3   | 87.6   | 86.3   | 82.2   | 79.5   | 76.8   | 75.5   |
| 82.5° | 71.4   | 70.1   | 68.7   | 64.7   | 60.6   | 59.3   | 58.0   | 55.3   | 55.3   | 56.6   | 53.9   |
| 85°   | 43.1   | 40.4   | 39.1   | 37.7   | 35.0   | 35.0   | 36.4   | 35.0   | 35.0   | 35.0   | 33.7   |
| 87.5° | 16.2   | 16.2   | 16.2   | 16.2   | 17.5   | 14.8   | 16.2   | 16.2   | 14.8   | 14.8   | 13.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 |
| 2.5°  | 1554.0 | 1556.7 | 1549.9 | 1547.2 | 1541.8 | 1548.6 | 1549.9 | 1548.6 | 1560.7 | 1555.3 | 1558.0 |
| 5°    | 1463.7 | 1458.3 | 1454.2 | 1444.8 | 1444.8 | 1446.2 | 1450.2 | 1443.5 | 1447.5 | 1456.9 | 1455.6 |
| 7.5°  | 1363.9 | 1361.2 | 1362.6 | 1351.8 | 1343.7 | 1346.4 | 1343.7 | 1355.9 | 1362.6 | 1359.9 | 1365.3 |
| 10°   | 1273.6 | 1279.0 | 1266.9 | 1261.5 | 1256.1 | 1261.5 | 1260.2 | 1262.9 | 1270.9 | 1276.3 | 1285.8 |
| 12.5° | 1200.9 | 1199.5 | 1192.8 | 1187.4 | 1177.9 | 1180.6 | 1188.7 | 1186.0 | 1187.4 | 1199.5 | 1198.2 |
| 15°   | 1132.1 | 1124.0 | 1118.6 | 1106.5 | 1109.2 | 1099.8 | 1107.9 | 1117.3 | 1121.3 | 1132.1 | 1138.9 |
| 17.5° | 1063.4 | 1062.0 | 1055.3 | 1054.0 | 1039.1 | 1035.1 | 1043.2 | 1045.9 | 1049.9 | 1055.3 | 1064.7 |
| 20°   | 1005.4 | 1004.1 | 994.7  | 992.0  | 979.8  | 987.9  | 985.2  | 990.6  | 993.3  | 1004.1 | 1008.1 |
| 22.5° | 952.9  | 946.1  | 943.4  | 939.4  | 935.4  | 934.0  | 939.4  | 938.0  | 947.5  | 951.5  | 952.9  |
| 25°   | 904.4  | 899.0  | 897.6  | 890.9  | 888.2  | 884.1  | 888.2  | 892.2  | 903.0  | 907.0  | 912.4  |
| 27.5° | 859.9  | 855.8  | 853.1  | 847.7  | 843.7  | 843.7  | 846.4  | 851.8  | 855.8  | 858.5  | 861.2  |
| 30°   | 819.4  | 816.7  | 808.7  | 806.0  | 801.9  | 801.9  | 801.9  | 804.6  | 811.4  | 819.4  | 823.5  |
| 32.5° | 777.7  | 772.3  | 766.9  | 766.9  | 762.8  | 762.8  | 764.2  | 766.9  | 773.6  | 775.0  | 781.7  |
| 35°   | 737.2  | 731.8  | 727.8  | 725.1  | 726.4  | 721.1  | 723.8  | 727.8  | 735.9  | 738.6  | 742.6  |
| 37.5° | 698.1  | 696.8  | 688.7  | 684.7  | 687.4  | 687.4  | 686.0  | 688.7  | 694.1  | 699.5  | 702.2  |
| 40°   | 655.0  | 652.3  | 652.3  | 648.3  | 649.6  | 644.2  | 648.3  | 651.0  | 653.7  | 659.1  | 663.1  |
| 42.5° | 617.3  | 614.6  | 609.2  | 610.5  | 606.5  | 606.5  | 609.2  | 610.5  | 614.6  | 621.3  | 624.0  |
| 45°   | 576.8  | 576.8  | 574.1  | 570.1  | 571.5  | 567.4  | 570.1  | 571.5  | 576.8  | 583.6  | 580.9  |
| 47.5° | 537.8  | 536.4  | 536.4  | 531.0  | 533.7  | 529.7  | 533.7  | 535.1  | 537.8  | 541.8  | 540.5  |
| 50°   | 500.0  | 496.0  | 497.3  | 496.0  | 494.6  | 494.6  | 497.3  | 497.3  | 500.0  | 500.0  | 504.1  |
| 52.5° | 460.9  | 460.9  | 458.2  | 459.6  | 462.3  | 459.6  | 463.6  | 459.6  | 462.3  | 463.6  | 466.3  |
| 55°   | 425.9  | 423.2  | 424.5  | 423.2  | 428.6  | 424.5  | 428.6  | 425.9  | 428.6  | 427.2  | 429.9  |
| 57.5° | 388.2  | 384.1  | 385.5  | 384.1  | 388.2  | 386.8  | 390.9  | 386.8  | 388.2  | 389.5  | 393.5  |
| 60°   | 345.0  | 345.0  | 345.0  | 342.3  | 346.4  | 346.4  | 345.0  | 345.0  | 350.4  | 353.1  | 351.8  |
| 62.5° | 304.6  | 303.2  | 299.2  | 297.9  | 299.2  | 296.5  | 301.9  | 300.6  | 303.2  | 305.9  | 308.6  |
| 65°   | 260.1  | 257.4  | 256.1  | 253.4  | 253.4  | 252.0  | 253.4  | 258.8  | 260.1  | 261.5  | 268.2  |
| 67.5° | 223.7  | 222.4  | 221.0  | 217.0  | 217.0  | 219.7  | 219.7  | 219.7  | 227.8  | 223.7  | 229.1  |
| 70°   | 191.4  | 188.7  | 186.0  | 184.6  | 184.6  | 186.0  | 187.3  | 188.7  | 187.3  | 192.7  | 194.1  |
| 72.5° | 160.4  | 161.7  | 159.0  | 159.0  | 159.0  | 157.7  | 157.7  | 160.4  | 161.7  | 160.4  | 161.7  |
| 75°   | 133.4  | 133.4  | 132.1  | 133.4  | 133.4  | 132.1  | 132.1  | 134.8  | 134.8  | 133.4  | 137.5  |
| 77.5° | 107.8  | 106.5  | 103.8  | 101.1  | 102.4  | 101.1  | 102.4  | 101.1  | 105.1  | 109.2  | 106.5  |
| 80°   | 75.5   | 74.1   | 74.1   | 74.1   | 75.5   | 74.1   | 76.8   | 74.1   | 75.5   | 75.5   | 76.8   |
| 82.5° | 53.9   | 55.3   | 55.3   | 53.9   | 55.3   | 53.9   | 55.3   | 55.3   | 55.3   | 53.9   | 55.3   |
| 85°   | 35.0   | 35.0   | 35.0   | 35.0   | 33.7   | 35.0   | 35.0   | 35.0   | 36.4   | 35.0   | 36.4   |
| 87.5° | 14.8   | 14.8   | 14.8   | 14.8   | 14.8   | 14.8   | 14.8   | 14.8   | 16.2   | 14.8   | 16.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P1007123

CATALOG NUMBER: S125RDR-B1090DB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|       | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 |
| 2.5°  | 1552.6 | 1559.4 | 1554.0 | 1549.9 | 1560.7 | 1566.1 | 1566.1 | 1575.5 | 1585.0 | 1593.1 | 1594.4 |
| 5°    | 1456.9 | 1467.7 | 1470.4 | 1469.1 | 1485.2 | 1493.3 | 1510.8 | 1520.3 | 1533.8 | 1543.2 | 1554.0 |
| 7.5°  | 1369.3 | 1384.2 | 1385.5 | 1388.2 | 1412.5 | 1425.9 | 1440.8 | 1465.0 | 1483.9 | 1497.4 | 1509.5 |
| 10°   | 1281.7 | 1291.2 | 1300.6 | 1312.7 | 1337.0 | 1359.9 | 1381.5 | 1407.1 | 1431.3 | 1444.8 | 1462.3 |
| 12.5° | 1215.7 | 1222.4 | 1233.2 | 1241.3 | 1266.9 | 1287.1 | 1315.4 | 1350.5 | 1385.5 | 1396.3 | 1417.9 |
| 15°   | 1147.0 | 1151.0 | 1172.6 | 1180.6 | 1202.2 | 1235.9 | 1253.4 | 1287.1 | 1324.9 | 1345.1 | 1369.3 |
| 17.5° | 1067.4 | 1091.7 | 1105.2 | 1114.6 | 1141.6 | 1168.5 | 1196.8 | 1231.9 | 1280.4 | 1299.2 | 1316.8 |
| 20°   | 1010.8 | 1028.3 | 1043.2 | 1055.3 | 1079.6 | 1120.0 | 1145.6 | 1173.9 | 1219.7 | 1241.3 | 1266.9 |
| 22.5° | 961.0  | 975.8  | 989.3  | 1002.7 | 1018.9 | 1055.3 | 1085.0 | 1124.0 | 1169.9 | 1190.1 | 1219.7 |
| 25°   | 913.8  | 928.6  | 936.7  | 952.9  | 974.4  | 1000.0 | 1035.1 | 1070.1 | 1116.0 | 1138.9 | 1167.2 |
| 27.5° | 868.0  | 882.8  | 897.6  | 911.1  | 925.9  | 950.2  | 974.4  | 1018.9 | 1066.1 | 1093.0 | 1117.3 |
| 30°   | 828.9  | 835.6  | 849.1  | 863.9  | 878.7  | 901.7  | 930.0  | 961.0  | 1014.9 | 1039.1 | 1068.8 |
| 32.5° | 785.7  | 797.9  | 807.3  | 818.1  | 837.0  | 855.8  | 881.4  | 920.5  | 963.7  | 986.6  | 1018.9 |
| 35°   | 745.3  | 756.1  | 762.8  | 781.7  | 793.8  | 814.1  | 839.7  | 874.7  | 911.1  | 936.7  | 965.0  |
| 37.5° | 706.2  | 717.0  | 725.1  | 735.9  | 752.1  | 769.6  | 796.5  | 822.1  | 865.3  | 886.8  | 919.2  |
| 40°   | 665.8  | 675.2  | 684.7  | 696.8  | 711.6  | 733.2  | 749.4  | 781.7  | 816.7  | 841.0  | 865.3  |
| 42.5° | 626.7  | 632.1  | 642.9  | 656.4  | 671.2  | 690.1  | 713.0  | 738.6  | 773.6  | 795.2  | 816.7  |
| 45°   | 584.9  | 594.4  | 606.5  | 615.9  | 629.4  | 648.3  | 668.5  | 691.4  | 726.4  | 748.0  | 770.9  |
| 47.5° | 545.8  | 552.6  | 560.7  | 575.5  | 593.0  | 606.5  | 628.1  | 649.6  | 682.0  | 702.2  | 723.8  |
| 50°   | 505.4  | 512.2  | 524.3  | 533.7  | 547.2  | 564.7  | 584.9  | 607.8  | 638.8  | 652.3  | 673.9  |
| 52.5° | 467.7  | 470.4  | 482.5  | 491.9  | 505.4  | 525.6  | 541.8  | 562.0  | 591.7  | 606.5  | 628.1  |
| 55°   | 429.9  | 432.6  | 439.4  | 448.8  | 463.6  | 479.8  | 497.3  | 520.2  | 545.8  | 559.3  | 579.5  |
| 57.5° | 390.9  | 393.5  | 400.3  | 407.0  | 421.9  | 436.7  | 456.9  | 475.8  | 501.4  | 513.5  | 532.4  |
| 60°   | 351.8  | 351.8  | 358.5  | 367.9  | 378.7  | 392.2  | 409.7  | 432.6  | 451.5  | 466.3  | 479.8  |
| 62.5° | 310.0  | 314.0  | 318.1  | 324.8  | 336.9  | 353.1  | 367.9  | 384.1  | 407.0  | 417.8  | 429.9  |
| 65°   | 268.2  | 272.2  | 280.3  | 287.1  | 296.5  | 307.3  | 326.2  | 339.6  | 357.2  | 369.3  | 380.1  |
| 67.5° | 231.8  | 235.9  | 241.3  | 249.3  | 256.1  | 268.2  | 281.7  | 295.2  | 314.0  | 322.1  | 330.2  |
| 70°   | 194.1  | 198.1  | 202.2  | 212.9  | 219.7  | 229.1  | 238.6  | 252.0  | 268.2  | 273.6  | 280.3  |
| 72.5° | 164.4  | 165.8  | 171.2  | 173.9  | 183.3  | 191.4  | 202.2  | 210.3  | 222.4  | 229.1  | 234.5  |
| 75°   | 138.8  | 138.8  | 140.2  | 142.9  | 148.3  | 153.6  | 161.7  | 169.8  | 180.6  | 184.6  | 191.4  |
| 77.5° | 109.2  | 113.2  | 111.9  | 114.6  | 117.3  | 120.0  | 126.7  | 132.1  | 142.9  | 145.6  | 148.3  |
| 80°   | 78.2   | 79.5   | 83.6   | 87.6   | 87.6   | 91.6   | 95.7   | 97.0   | 103.8  | 107.8  | 107.8  |
| 82.5° | 56.6   | 58.0   | 56.6   | 58.0   | 59.3   | 60.6   | 64.7   | 70.1   | 70.1   | 71.4   | 74.1   |
| 85°   | 35.0   | 35.0   | 36.4   | 37.7   | 37.7   | 36.4   | 39.1   | 37.7   | 39.1   | 41.8   | 41.8   |
| 87.5° | 17.5   | 16.2   | 16.2   | 16.2   | 16.2   | 16.2   | 17.5   | 16.2   | 17.5   | 17.5   | 17.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P1007123

CATALOG NUMBER: S125RDR-B1090DB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|       | 345°   | 350°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|
| 0°    | 1641.6 | 1641.6 | 1641.6 | 1641.6 |
| 2.5°  | 1603.8 | 1616.0 | 1628.1 | 1642.9 |
| 5°    | 1571.5 | 1593.1 | 1616.0 | 1637.5 |
| 7.5°  | 1536.5 | 1567.5 | 1597.1 | 1628.1 |
| 10°   | 1497.4 | 1536.5 | 1570.1 | 1613.3 |
| 12.5° | 1454.2 | 1496.0 | 1543.2 | 1591.7 |
| 15°   | 1411.1 | 1463.7 | 1513.5 | 1568.8 |
| 17.5° | 1370.7 | 1420.5 | 1475.8 | 1541.8 |
| 20°   | 1322.2 | 1377.4 | 1439.4 | 1509.5 |
| 22.5° | 1270.9 | 1331.6 | 1399.0 | 1474.5 |
| 25°   | 1227.8 | 1289.8 | 1354.5 | 1434.0 |
| 27.5° | 1180.6 | 1245.3 | 1308.7 | 1393.6 |
| 30°   | 1126.7 | 1196.8 | 1261.5 | 1349.1 |
| 32.5° | 1075.5 | 1145.6 | 1217.0 | 1299.2 |
| 35°   | 1025.7 | 1094.4 | 1165.8 | 1249.4 |
| 37.5° | 978.5  | 1040.5 | 1110.6 | 1186.0 |
| 40°   | 934.0  | 990.6  | 1052.6 | 1121.3 |
| 42.5° | 877.4  | 943.4  | 1001.4 | 1051.3 |
| 45°   | 828.9  | 882.8  | 936.7  | 977.1  |
| 47.5° | 772.3  | 826.2  | 872.0  | 904.4  |
| 50°   | 725.1  | 768.2  | 806.0  | 834.3  |
| 52.5° | 668.5  | 708.9  | 739.9  | 761.5  |
| 55°   | 613.2  | 648.3  | 675.2  | 690.1  |
| 57.5° | 563.4  | 586.3  | 606.5  | 620.0  |
| 60°   | 508.1  | 525.6  | 543.2  | 558.0  |
| 62.5° | 448.8  | 467.7  | 477.1  | 493.3  |
| 65°   | 396.2  | 408.4  | 423.2  | 428.6  |
| 67.5° | 345.0  | 351.8  | 361.2  | 372.0  |
| 70°   | 291.1  | 295.2  | 304.6  | 319.4  |
| 72.5° | 243.9  | 248.0  | 254.7  | 260.1  |
| 75°   | 194.1  | 198.1  | 203.5  | 208.9  |
| 77.5° | 152.3  | 153.6  | 156.3  | 161.7  |
| 80°   | 110.5  | 114.6  | 117.3  | 118.6  |
| 82.5° | 76.8   | 78.2   | 78.2   | 79.5   |
| 85°   | 48.5   | 45.8   | 45.8   | 47.2   |
| 87.5° | 17.5   | 20.2   | 20.2   | 22.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)