

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: P1004556

Luminaire Tested: S125DR-B1270DB2750-4F0-XX-W2A-A\_5000K

Issue Date: 5/2/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1004556  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/2/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S125DR-B1270DB2750-4F0-XX-W2A-A\_5000K  
Description: Define 5 Direct Recessed with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}  
Light Source: -  
Ballast/Driver: -

**Summary**

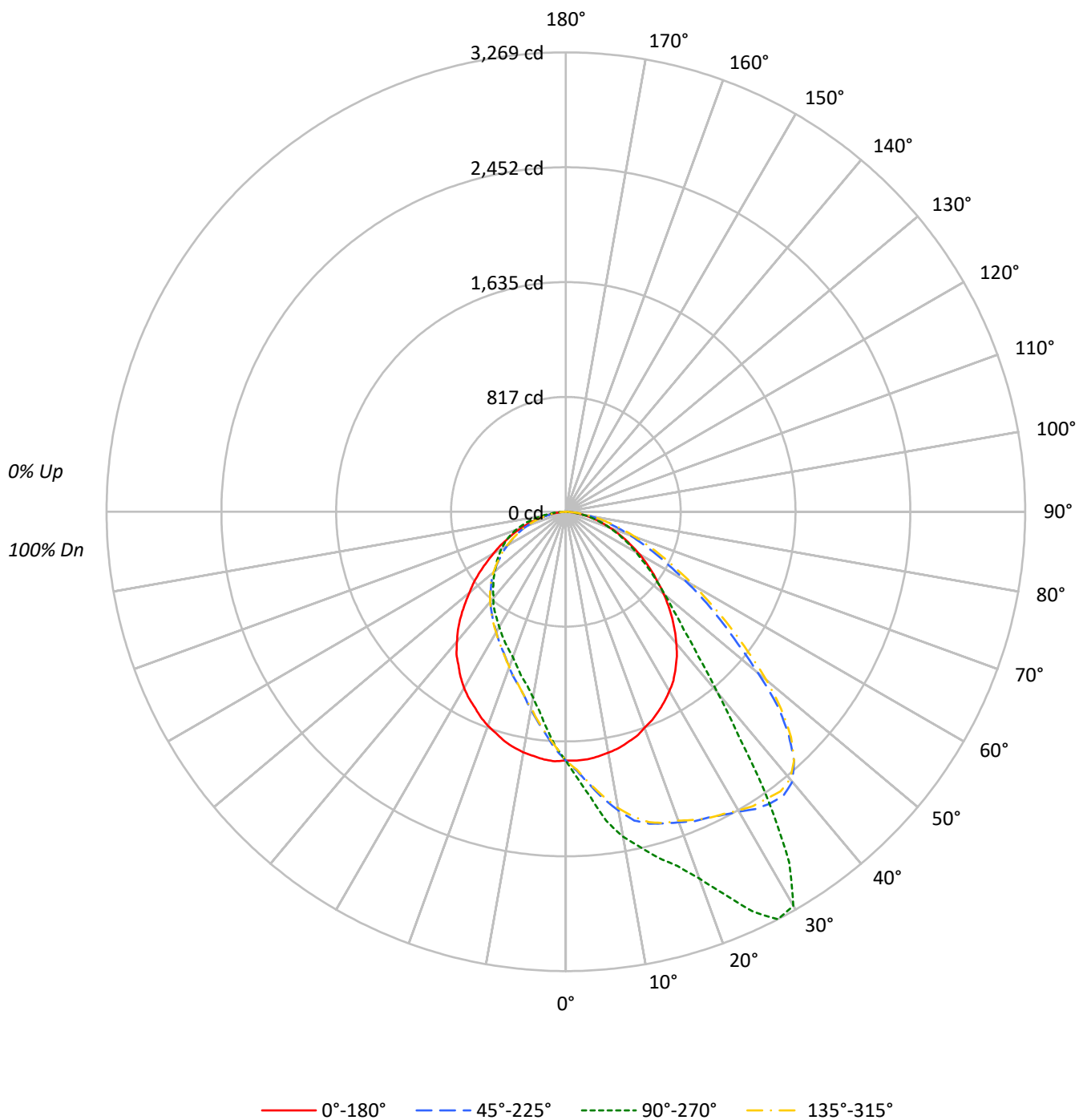
Lumens per Lamp: N/A  
Luminaire Lumens: 4994.0 lumens  
Efficiency: N/A  
Efficacy: 81.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52  
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 61.3  
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: P1004556

CATALOG NUMBER: S125DR-B1270DB2750-4F0-XX-W2A-A\_5000K

### Luminous Intensity Polar Plot



TEST NUMBER: P1004556

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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   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |
| 1   | 109 | 105 | 101 | 97  | 107 | 103 | 99  | 96  | 99  | 96  | 93  | 95  | 92  | 90  | 91  | 89  | 87  | 85  |    |    |
| 2   | 100 | 92  | 86  | 80  | 98  | 90  | 84  | 79  | 87  | 82  | 78  | 84  | 80  | 76  | 81  | 77  | 74  | 72  |    |    |
| 3   | 92  | 82  | 74  | 68  | 89  | 80  | 73  | 67  | 77  | 71  | 66  | 74  | 69  | 65  | 72  | 67  | 64  | 61  |    |    |
| 4   | 84  | 73  | 64  | 58  | 82  | 71  | 63  | 57  | 69  | 62  | 57  | 67  | 61  | 56  | 64  | 59  | 55  | 53  |    |    |
| 5   | 78  | 65  | 56  | 50  | 76  | 64  | 56  | 50  | 62  | 55  | 49  | 60  | 54  | 49  | 58  | 53  | 48  | 46  |    |    |
| 6   | 72  | 59  | 50  | 44  | 70  | 58  | 50  | 44  | 56  | 49  | 43  | 54  | 48  | 43  | 53  | 47  | 43  | 41  |    |    |
| 7   | 67  | 53  | 45  | 39  | 65  | 53  | 45  | 39  | 51  | 44  | 39  | 50  | 43  | 38  | 48  | 42  | 38  | 36  |    |    |
| 8   | 62  | 49  | 41  | 35  | 61  | 48  | 40  | 35  | 47  | 40  | 34  | 46  | 39  | 34  | 44  | 39  | 34  | 32  |    |    |
| 9   | 58  | 45  | 37  | 31  | 57  | 44  | 37  | 31  | 43  | 36  | 31  | 42  | 36  | 31  | 41  | 35  | 31  | 29  |    |    |
| 10  | 54  | 41  | 34  | 28  | 53  | 41  | 33  | 28  | 40  | 33  | 28  | 39  | 33  | 28  | 38  | 32  | 28  | 26  |    |    |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 11339 | 11339 | 11339 | 11339 |
| 5°  | 11373 | 13131 | 11383 | 9962  |
| 10° | 11328 | 15277 | 11309 | 8728  |
| 15° | 11270 | 16911 | 11201 | 8052  |
| 20° | 11155 | 18930 | 11052 | 7508  |
| 25° | 11056 | 22176 | 10854 | 7243  |
| 30° | 10904 | 23952 | 10715 | 7014  |
| 35° | 10646 | 19694 | 10423 | 6863  |
| 40° | 10228 | 13998 | 10078 | 6697  |
| 45° | 9693  | 10754 | 9583  | 6602  |
| 50° | 9075  | 9179  | 8925  | 6589  |
| 55° | 8408  | 8172  | 8341  | 6645  |
| 60° | 7758  | 7373  | 7623  | 6815  |
| 65° | 7060  | 6810  | 6947  | 6992  |
| 70° | 6332  | 6191  | 6247  | 7092  |
| 75° | 5580  | 5466  | 5503  | 7028  |
| 80° | 4601  | 4601  | 4435  | 6431  |
| 85° | 3315  | 3646  | 3205  | 5190  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 20541 cd/sqm

TEST NUMBER: P1004556

CATALOG NUMBER: S125DR-B1270DB2750-4F0-XX-W2A-A\_5000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 170.3  | 3.4       |
| 10°-20°   | 507.3  | 10.2      |
| 20°-30°   | 824.1  | 16.5      |
| 30°-40°   | 1007.2 | 20.2      |
| 40°-50°   | 913.6  | 18.3      |
| 50°-60°   | 727.7  | 14.6      |
| 60°-70°   | 506.8  | 10.1      |
| 70°-80°   | 270.0  | 5.4       |
| 80°-90°   | 66.9   | 1.3       |
| 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       |
| 0°-30°    | 1501.8 | 30.1      |
| 0°-40°    | 2509.0 | 50.2      |
| 0°-60°    | 4150.2 | 83.1      |
| 0°-90°    | 4994.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4994.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1770 | 1770 | 1770 | 1770 | 1770 |      |
| 5°  | 1768 | 2042 | 1770 | 1549 | 1768 | 168  |
| 15° | 1699 | 2550 | 1689 | 1214 | 1699 | 480  |
| 25° | 1564 | 3137 | 1535 | 1025 | 1564 | 720  |
| 35° | 1361 | 2518 | 1333 | 877  | 1361 | 850  |
| 45° | 1070 | 1187 | 1058 | 729  | 1070 | 824  |
| 55° | 753  | 732  | 747  | 595  | 753  | 673  |
| 65° | 466  | 449  | 458  | 461  | 466  | 462  |
| 75° | 225  | 221  | 222  | 284  | 225  | 240  |
| 85° | 45   | 50   | 44   | 71   | 45   | 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°    | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 |
| 2.5°  | 1772.8 | 1783.3 | 1795.3 | 1804.3 | 1819.3 | 1823.8 | 1831.4 | 1835.9 | 1840.4 | 1844.9 | 1847.9 |
| 5°    | 1768.3 | 1793.8 | 1816.3 | 1832.9 | 1861.4 | 1871.9 | 1885.4 | 1902.0 | 1921.5 | 1938.0 | 1948.5 |
| 7.5°  | 1756.2 | 1796.8 | 1826.8 | 1859.9 | 1899.0 | 1924.5 | 1938.0 | 1972.6 | 2004.1 | 2028.2 | 2059.7 |
| 10°   | 1741.2 | 1789.3 | 1835.9 | 1885.4 | 1941.0 | 1969.6 | 1996.6 | 2044.7 | 2088.3 | 2127.3 | 2158.9 |
| 12.5° | 1724.7 | 1783.3 | 1838.9 | 1903.5 | 1978.6 | 2013.1 | 2031.2 | 2113.8 | 2167.9 | 2188.9 | 2250.5 |
| 15°   | 1699.1 | 1768.3 | 1847.9 | 1927.5 | 1990.6 | 2031.2 | 2080.7 | 2146.8 | 2200.9 | 2247.5 | 2297.1 |
| 17.5° | 1675.1 | 1750.2 | 1831.4 | 1920.0 | 2011.6 | 2064.2 | 2101.8 | 2160.4 | 2219.0 | 2279.1 | 2325.6 |
| 20°   | 1636.0 | 1733.7 | 1816.3 | 1911.0 | 2019.1 | 2056.7 | 2095.8 | 2164.9 | 2228.0 | 2292.6 | 2351.2 |
| 22.5° | 1604.5 | 1697.6 | 1810.3 | 1900.5 | 1992.1 | 2029.7 | 2077.7 | 2149.8 | 2225.0 | 2298.6 | 2384.2 |
| 25°   | 1563.9 | 1667.6 | 1765.3 | 1861.4 | 1956.0 | 1996.6 | 2040.2 | 2133.3 | 2211.4 | 2306.1 | 2400.7 |
| 27.5° | 1520.4 | 1627.0 | 1724.7 | 1811.8 | 1900.5 | 1956.0 | 2002.6 | 2100.3 | 2203.9 | 2307.6 | 2430.8 |
| 30°   | 1473.8 | 1574.5 | 1667.6 | 1753.2 | 1850.9 | 1908.0 | 1954.5 | 2068.7 | 2184.4 | 2316.6 | 2463.8 |
| 32.5° | 1424.2 | 1518.9 | 1598.5 | 1685.6 | 1789.3 | 1841.9 | 1905.0 | 2029.7 | 2166.4 | 2324.1 | 2508.9 |
| 35°   | 1361.1 | 1451.3 | 1521.9 | 1610.5 | 1714.2 | 1781.8 | 1847.9 | 1987.6 | 2146.8 | 2322.6 | 2534.4 |
| 37.5° | 1298.0 | 1368.6 | 1436.2 | 1530.9 | 1651.1 | 1712.7 | 1781.8 | 1935.0 | 2116.8 | 2318.1 | 2545.0 |
| 40°   | 1222.9 | 1292.0 | 1350.6 | 1446.8 | 1573.0 | 1643.6 | 1715.7 | 1876.4 | 2082.2 | 2301.6 | 2507.4 |
| 42.5° | 1147.8 | 1206.4 | 1271.0 | 1371.6 | 1493.3 | 1568.4 | 1645.1 | 1823.8 | 2037.2 | 2253.5 | 2403.7 |
| 45°   | 1069.7 | 1114.7 | 1185.3 | 1277.0 | 1406.2 | 1478.3 | 1565.4 | 1759.2 | 1974.1 | 2166.4 | 2241.5 |
| 47.5° | 988.5  | 1033.6 | 1099.7 | 1188.4 | 1316.1 | 1401.7 | 1484.3 | 1678.1 | 1894.5 | 2043.2 | 2043.2 |
| 50°   | 910.4  | 946.5  | 1011.1 | 1099.7 | 1228.9 | 1307.0 | 1391.2 | 1597.0 | 1771.3 | 1880.9 | 1783.3 |
| 52.5° | 826.3  | 866.9  | 920.9  | 1014.1 | 1141.8 | 1212.4 | 1304.0 | 1479.8 | 1645.1 | 1690.1 | 1539.9 |
| 55°   | 752.7  | 785.7  | 836.8  | 925.4  | 1044.1 | 1117.7 | 1195.9 | 1364.1 | 1503.8 | 1500.8 | 1340.1 |
| 57.5° | 676.1  | 703.1  | 757.2  | 838.3  | 948.0  | 1014.1 | 1092.2 | 1237.9 | 1352.1 | 1311.5 | 1159.8 |
| 60°   | 605.4  | 625.0  | 677.6  | 743.7  | 848.8  | 910.4  | 985.5  | 1104.2 | 1191.4 | 1134.3 | 981.0  |
| 62.5° | 531.8  | 554.4  | 596.4  | 661.0  | 754.2  | 803.8  | 859.3  | 979.5  | 1035.1 | 984.0  | 827.8  |
| 65°   | 465.7  | 483.8  | 521.3  | 575.4  | 659.5  | 704.6  | 752.7  | 851.8  | 904.4  | 830.8  | 701.6  |
| 67.5° | 399.6  | 420.7  | 447.7  | 495.8  | 561.9  | 603.9  | 646.0  | 731.6  | 755.7  | 689.6  | 581.4  |
| 70°   | 338.0  | 356.1  | 381.6  | 416.1  | 471.7  | 509.3  | 540.8  | 611.5  | 628.0  | 566.4  | 480.7  |
| 72.5° | 277.9  | 290.0  | 311.0  | 339.5  | 390.6  | 411.6  | 444.7  | 492.8  | 513.8  | 458.2  | 396.6  |
| 75°   | 225.4  | 234.4  | 247.9  | 268.9  | 303.5  | 326.0  | 353.1  | 398.1  | 396.6  | 357.6  | 314.0  |
| 77.5° | 174.3  | 175.8  | 190.8  | 210.3  | 231.4  | 250.9  | 264.4  | 296.0  | 299.0  | 274.9  | 238.9  |
| 80°   | 124.7  | 129.2  | 135.2  | 150.2  | 168.3  | 175.8  | 192.3  | 211.8  | 214.8  | 196.8  | 172.8  |
| 82.5° | 79.6   | 82.6   | 87.1   | 96.1   | 108.2  | 117.2  | 126.2  | 133.7  | 141.2  | 130.7  | 111.2  |
| 85°   | 45.1   | 46.6   | 51.1   | 54.1   | 60.1   | 64.6   | 72.1   | 79.6   | 78.1   | 70.6   | 64.6   |
| 87.5° | 22.5   | 22.5   | 22.5   | 25.5   | 28.5   | 28.5   | 31.5   | 33.1   | 34.6   | 31.5   | 28.5   |
| 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):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 |
| 2.5°  | 1850.9 | 1861.4 | 1870.4 | 1877.9 | 1883.9 | 1892.9 | 1886.9 | 1888.4 | 1891.4 | 1897.5 | 1897.5 |
| 5°    | 1971.1 | 1987.6 | 1996.6 | 2026.7 | 2034.2 | 2032.7 | 2028.2 | 2052.2 | 2050.7 | 2041.7 | 2040.2 |
| 7.5°  | 2088.3 | 2116.8 | 2142.3 | 2166.4 | 2173.9 | 2193.4 | 2197.9 | 2208.4 | 2205.4 | 2220.5 | 2212.9 |
| 10°   | 2194.9 | 2240.0 | 2264.0 | 2300.1 | 2309.1 | 2318.1 | 2330.1 | 2336.1 | 2349.7 | 2348.2 | 2348.2 |
| 12.5° | 2277.5 | 2331.6 | 2363.2 | 2372.2 | 2406.8 | 2417.3 | 2427.8 | 2447.3 | 2442.8 | 2444.3 | 2453.3 |
| 15°   | 2342.1 | 2394.7 | 2421.8 | 2463.8 | 2487.9 | 2499.9 | 2517.9 | 2539.0 | 2536.0 | 2549.5 | 2546.5 |
| 17.5° | 2390.2 | 2439.8 | 2489.4 | 2552.5 | 2554.0 | 2585.5 | 2627.6 | 2636.6 | 2656.1 | 2642.6 | 2642.6 |
| 20°   | 2429.3 | 2495.4 | 2566.0 | 2647.1 | 2656.1 | 2675.7 | 2726.7 | 2761.3 | 2783.8 | 2776.3 | 2780.8 |
| 22.5° | 2471.4 | 2566.0 | 2648.6 | 2729.8 | 2773.3 | 2807.9 | 2857.5 | 2911.5 | 2931.1 | 2943.1 | 2940.1 |
| 25°   | 2525.4 | 2624.6 | 2746.3 | 2859.0 | 2904.0 | 2970.1 | 3036.2 | 3088.8 | 3103.8 | 3136.9 | 3106.8 |
| 27.5° | 2581.0 | 2720.7 | 2872.5 | 3004.7 | 3061.8 | 3115.9 | 3195.5 | 3234.5 | 3254.1 | 3269.1 | 3258.6 |
| 30°   | 2627.6 | 2819.9 | 2985.2 | 3106.8 | 3147.4 | 3179.0 | 3224.0 | 3233.0 | 3225.5 | 3237.5 | 3252.6 |
| 32.5° | 2699.7 | 2887.5 | 3027.2 | 3085.8 | 3081.3 | 3079.8 | 3045.2 | 2997.2 | 2986.7 | 2958.1 | 2997.2 |
| 35°   | 2738.8 | 2889.0 | 2943.1 | 2865.0 | 2833.4 | 2776.3 | 2666.7 | 2594.5 | 2531.4 | 2517.9 | 2520.9 |
| 37.5° | 2716.2 | 2774.8 | 2710.2 | 2504.4 | 2453.3 | 2366.2 | 2220.5 | 2118.3 | 2071.7 | 2035.7 | 2082.2 |
| 40°   | 2594.5 | 2529.9 | 2352.7 | 2101.8 | 2028.2 | 1945.5 | 1808.8 | 1753.2 | 1687.1 | 1673.6 | 1735.2 |
| 42.5° | 2393.2 | 2196.4 | 1945.5 | 1751.7 | 1675.1 | 1628.5 | 1514.4 | 1461.8 | 1415.2 | 1394.2 | 1428.7 |
| 45°   | 2119.8 | 1880.9 | 1628.5 | 1469.3 | 1404.7 | 1349.1 | 1281.5 | 1225.9 | 1195.9 | 1186.8 | 1215.4 |
| 47.5° | 1837.4 | 1585.0 | 1383.7 | 1265.0 | 1197.4 | 1155.3 | 1092.2 | 1060.7 | 1036.6 | 1039.6 | 1044.1 |
| 50°   | 1566.9 | 1337.1 | 1182.3 | 1063.7 | 1030.6 | 997.6  | 955.5  | 928.4  | 916.4  | 920.9  | 917.9  |
| 52.5° | 1334.1 | 1147.8 | 1017.1 | 925.4  | 910.4  | 878.9  | 844.3  | 821.8  | 817.3  | 818.8  | 823.3  |
| 55°   | 1129.8 | 984.0  | 880.4  | 814.3  | 797.7  | 775.2  | 754.2  | 739.2  | 727.1  | 731.6  | 730.1  |
| 57.5° | 975.0  | 847.3  | 767.7  | 713.6  | 701.6  | 688.1  | 668.5  | 661.0  | 656.5  | 647.5  | 655.0  |
| 60°   | 838.3  | 734.6  | 665.5  | 632.5  | 622.0  | 613.0  | 591.9  | 582.9  | 579.9  | 575.4  | 587.4  |
| 62.5° | 709.1  | 635.5  | 582.9  | 552.9  | 542.3  | 533.3  | 522.8  | 515.3  | 516.8  | 510.8  | 516.8  |
| 65°   | 606.9  | 546.9  | 509.3  | 482.3  | 468.7  | 462.7  | 461.2  | 449.2  | 447.7  | 449.2  | 450.7  |
| 67.5° | 512.3  | 461.2  | 432.7  | 416.1  | 405.6  | 399.6  | 395.1  | 387.6  | 393.6  | 389.1  | 392.1  |
| 70°   | 426.7  | 392.1  | 362.1  | 345.5  | 341.0  | 342.5  | 335.0  | 332.0  | 333.5  | 330.5  | 333.5  |
| 72.5° | 344.0  | 315.5  | 303.5  | 291.5  | 285.4  | 283.9  | 279.4  | 274.9  | 279.4  | 277.9  | 277.9  |
| 75°   | 274.9  | 253.9  | 240.4  | 232.9  | 232.9  | 229.9  | 222.3  | 222.3  | 222.3  | 220.8  | 222.3  |
| 77.5° | 211.8  | 193.8  | 187.8  | 180.3  | 180.3  | 175.8  | 174.3  | 174.3  | 171.3  | 175.8  | 172.8  |
| 80°   | 157.7  | 144.2  | 135.2  | 130.7  | 130.7  | 129.2  | 126.2  | 124.7  | 126.2  | 124.7  | 124.7  |
| 82.5° | 102.2  | 96.1   | 91.6   | 87.1   | 85.6   | 87.1   | 85.6   | 82.6   | 84.1   | 82.6   | 85.6   |
| 85°   | 58.6   | 52.6   | 52.6   | 49.6   | 51.1   | 48.1   | 49.6   | 46.6   | 45.1   | 49.6   | 46.6   |
| 87.5° | 25.5   | 24.0   | 24.0   | 21.0   | 21.0   | 21.0   | 19.5   | 21.0   | 19.5   | 18.0   | 19.5   |
| 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°    | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 |
| 2.5°  | 1894.5 | 1883.9 | 1886.9 | 1883.9 | 1876.4 | 1871.9 | 1859.9 | 1844.9 | 1838.9 | 1831.4 | 1826.8 |
| 5°    | 2046.2 | 2038.7 | 2037.2 | 2025.2 | 2022.2 | 2004.1 | 1974.1 | 1959.1 | 1941.0 | 1923.0 | 1905.0 |
| 7.5°  | 2211.4 | 2202.4 | 2172.4 | 2167.9 | 2170.9 | 2148.3 | 2109.3 | 2079.2 | 2041.7 | 2016.1 | 1981.6 |
| 10°   | 2348.2 | 2330.1 | 2304.6 | 2306.1 | 2295.6 | 2265.5 | 2226.5 | 2194.9 | 2140.8 | 2107.8 | 2058.2 |
| 12.5° | 2430.8 | 2415.8 | 2412.8 | 2397.7 | 2388.7 | 2349.7 | 2303.1 | 2262.5 | 2222.0 | 2176.9 | 2139.3 |
| 15°   | 2531.4 | 2511.9 | 2498.4 | 2477.4 | 2471.4 | 2430.8 | 2379.7 | 2333.1 | 2286.6 | 2244.5 | 2164.9 |
| 17.5° | 2642.6 | 2621.6 | 2570.5 | 2566.0 | 2529.9 | 2490.9 | 2441.3 | 2372.2 | 2322.6 | 2262.5 | 2203.9 |
| 20°   | 2768.8 | 2738.8 | 2672.7 | 2656.1 | 2627.6 | 2563.0 | 2495.4 | 2418.8 | 2339.1 | 2277.5 | 2208.4 |
| 22.5° | 2910.0 | 2857.5 | 2809.4 | 2756.8 | 2735.8 | 2656.1 | 2563.0 | 2469.8 | 2373.7 | 2289.6 | 2206.9 |
| 25°   | 3093.3 | 3024.2 | 2956.6 | 2904.0 | 2868.0 | 2764.3 | 2639.6 | 2516.4 | 2405.2 | 2295.6 | 2187.4 |
| 27.5° | 3237.5 | 3177.5 | 3103.8 | 3034.7 | 2988.2 | 2865.0 | 2722.2 | 2563.0 | 2424.8 | 2291.1 | 2175.4 |
| 30°   | 3248.1 | 3230.0 | 3185.0 | 3147.4 | 3096.3 | 2964.1 | 2806.4 | 2626.1 | 2454.8 | 2292.6 | 2151.4 |
| 32.5° | 3051.3 | 3087.3 | 3106.8 | 3112.9 | 3102.3 | 3025.7 | 2881.5 | 2683.2 | 2481.9 | 2279.1 | 2130.3 |
| 35°   | 2627.6 | 2723.7 | 2842.4 | 2887.5 | 2931.1 | 2971.6 | 2896.5 | 2723.7 | 2490.9 | 2276.0 | 2097.3 |
| 37.5° | 2163.4 | 2250.5 | 2447.3 | 2537.5 | 2588.5 | 2749.3 | 2810.9 | 2717.7 | 2508.9 | 2279.1 | 2065.7 |
| 40°   | 1745.7 | 1883.9 | 2025.2 | 2146.8 | 2226.5 | 2406.8 | 2597.5 | 2618.6 | 2483.4 | 2250.5 | 2025.2 |
| 42.5° | 1469.3 | 1550.4 | 1657.1 | 1769.8 | 1840.4 | 2053.7 | 2312.1 | 2463.8 | 2403.7 | 2203.9 | 1975.6 |
| 45°   | 1251.5 | 1311.5 | 1412.2 | 1449.8 | 1539.9 | 1744.2 | 2017.6 | 2237.0 | 2267.0 | 2130.3 | 1918.5 |
| 47.5° | 1074.2 | 1125.3 | 1189.9 | 1236.4 | 1308.5 | 1461.8 | 1693.1 | 1935.0 | 2079.2 | 2029.7 | 1838.9 |
| 50°   | 946.5  | 988.5  | 1042.6 | 1069.7 | 1116.2 | 1254.5 | 1428.7 | 1669.1 | 1862.9 | 1879.4 | 1735.2 |
| 52.5° | 839.8  | 863.8  | 905.9  | 936.0  | 973.5  | 1057.6 | 1215.4 | 1413.7 | 1631.5 | 1721.7 | 1607.5 |
| 55°   | 746.7  | 766.2  | 803.8  | 823.3  | 842.8  | 914.9  | 1038.1 | 1218.4 | 1422.7 | 1541.4 | 1476.8 |
| 57.5° | 662.5  | 679.1  | 710.6  | 728.6  | 739.2  | 808.3  | 902.9  | 1044.1 | 1227.4 | 1371.6 | 1335.6 |
| 60°   | 593.4  | 608.4  | 626.5  | 640.0  | 652.0  | 709.1  | 775.2  | 889.4  | 1053.1 | 1192.9 | 1183.8 |
| 62.5° | 519.8  | 533.3  | 552.9  | 566.4  | 576.9  | 613.0  | 668.5  | 755.7  | 895.4  | 1024.6 | 1050.1 |
| 65°   | 455.2  | 465.7  | 479.2  | 485.3  | 498.8  | 525.8  | 570.9  | 649.0  | 763.2  | 878.9  | 896.9  |
| 67.5° | 396.6  | 399.6  | 408.6  | 422.2  | 425.2  | 449.2  | 489.8  | 548.4  | 637.0  | 731.6  | 760.2  |
| 70°   | 333.5  | 338.0  | 345.5  | 356.1  | 362.1  | 377.1  | 411.6  | 450.7  | 527.3  | 610.0  | 631.0  |
| 72.5° | 277.9  | 283.9  | 286.9  | 293.0  | 296.0  | 320.0  | 335.0  | 374.1  | 426.7  | 495.8  | 518.3  |
| 75°   | 225.4  | 231.4  | 232.9  | 235.9  | 238.9  | 249.4  | 270.4  | 294.5  | 338.0  | 383.1  | 413.1  |
| 77.5° | 178.8  | 177.3  | 180.3  | 184.8  | 183.3  | 192.3  | 205.8  | 226.9  | 255.4  | 293.0  | 312.5  |
| 80°   | 126.2  | 126.2  | 130.7  | 135.2  | 133.7  | 142.7  | 147.2  | 162.3  | 186.3  | 210.3  | 217.8  |
| 82.5° | 84.1   | 84.1   | 88.6   | 88.6   | 91.6   | 93.1   | 99.2   | 106.7  | 126.2  | 138.2  | 142.7  |
| 85°   | 48.1   | 48.1   | 49.6   | 49.6   | 49.6   | 52.6   | 57.1   | 60.1   | 66.1   | 73.6   | 76.6   |
| 87.5° | 19.5   | 21.0   | 21.0   | 21.0   | 21.0   | 24.0   | 24.0   | 27.0   | 28.5   | 31.5   | 31.5   |
| 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):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 |
| 2.5°  | 1820.8 | 1813.3 | 1804.3 | 1804.3 | 1793.8 | 1789.3 | 1780.3 | 1777.3 | 1769.8 | 1757.7 | 1748.7 |
| 5°    | 1885.4 | 1865.9 | 1853.9 | 1843.4 | 1820.8 | 1804.3 | 1787.8 | 1769.8 | 1751.7 | 1730.7 | 1706.7 |
| 7.5°  | 1948.5 | 1912.5 | 1896.0 | 1877.9 | 1844.9 | 1810.3 | 1777.3 | 1753.2 | 1729.2 | 1696.1 | 1666.1 |
| 10°   | 2014.6 | 1969.6 | 1939.5 | 1915.5 | 1864.4 | 1820.8 | 1772.8 | 1738.2 | 1700.6 | 1658.6 | 1619.5 |
| 12.5° | 2070.2 | 2011.6 | 1986.1 | 1941.0 | 1882.4 | 1829.9 | 1769.8 | 1717.2 | 1667.6 | 1618.0 | 1569.9 |
| 15°   | 2116.8 | 2061.2 | 1998.1 | 1980.1 | 1899.0 | 1823.8 | 1756.2 | 1688.6 | 1627.0 | 1577.5 | 1521.9 |
| 17.5° | 2131.8 | 2061.2 | 2029.7 | 1986.1 | 1889.9 | 1811.8 | 1726.2 | 1652.6 | 1594.0 | 1520.4 | 1476.8 |
| 20°   | 2136.3 | 2068.7 | 2025.2 | 1984.6 | 1899.0 | 1795.3 | 1711.2 | 1621.0 | 1550.4 | 1476.8 | 1407.7 |
| 22.5° | 2124.3 | 2044.7 | 2002.6 | 1963.6 | 1867.4 | 1778.8 | 1681.1 | 1582.0 | 1499.3 | 1431.7 | 1362.6 |
| 25°   | 2101.8 | 2008.6 | 1968.1 | 1926.0 | 1834.4 | 1736.7 | 1630.0 | 1535.4 | 1458.8 | 1377.6 | 1310.0 |
| 27.5° | 2071.7 | 1965.1 | 1918.5 | 1874.9 | 1784.8 | 1693.1 | 1592.5 | 1494.8 | 1409.2 | 1323.6 | 1260.5 |
| 30°   | 2034.2 | 1911.0 | 1868.9 | 1811.8 | 1724.7 | 1637.6 | 1545.9 | 1448.3 | 1352.1 | 1271.0 | 1201.9 |
| 32.5° | 1986.1 | 1856.9 | 1801.3 | 1747.2 | 1652.6 | 1573.0 | 1485.8 | 1394.2 | 1301.0 | 1221.4 | 1149.3 |
| 35°   | 1942.5 | 1795.3 | 1733.7 | 1679.6 | 1574.5 | 1490.3 | 1418.2 | 1332.6 | 1249.9 | 1167.3 | 1102.7 |
| 37.5° | 1883.9 | 1733.7 | 1660.1 | 1604.5 | 1497.8 | 1412.2 | 1344.6 | 1278.5 | 1191.4 | 1111.7 | 1051.6 |
| 40°   | 1822.3 | 1657.1 | 1588.0 | 1532.4 | 1421.2 | 1328.1 | 1263.5 | 1204.9 | 1134.3 | 1060.7 | 997.6  |
| 42.5° | 1766.8 | 1583.5 | 1509.9 | 1442.2 | 1329.6 | 1246.9 | 1180.8 | 1135.8 | 1071.2 | 1005.1 | 948.0  |
| 45°   | 1696.1 | 1505.3 | 1425.7 | 1355.1 | 1246.9 | 1156.8 | 1093.7 | 1057.6 | 1009.6 | 945.0  | 895.4  |
| 47.5° | 1624.0 | 1421.2 | 1338.6 | 1269.5 | 1152.3 | 1072.7 | 1011.1 | 976.5  | 943.5  | 892.4  | 842.8  |
| 50°   | 1529.4 | 1332.6 | 1257.5 | 1177.8 | 1062.2 | 981.0  | 929.9  | 895.4  | 869.9  | 833.8  | 791.7  |
| 52.5° | 1425.7 | 1240.9 | 1159.8 | 1090.7 | 976.5  | 902.9  | 844.3  | 824.8  | 799.2  | 772.2  | 736.1  |
| 55°   | 1316.1 | 1141.8 | 1063.7 | 996.1  | 890.9  | 815.8  | 767.7  | 746.7  | 727.1  | 706.1  | 682.1  |
| 57.5° | 1206.4 | 1038.1 | 964.5  | 904.4  | 806.8  | 734.6  | 695.6  | 667.0  | 653.5  | 641.5  | 622.0  |
| 60°   | 1069.7 | 926.9  | 869.9  | 815.8  | 719.6  | 653.5  | 616.0  | 594.9  | 582.9  | 576.9  | 567.9  |
| 62.5° | 949.5  | 832.3  | 769.2  | 716.6  | 640.0  | 581.4  | 545.3  | 528.8  | 518.3  | 515.3  | 504.8  |
| 65°   | 821.8  | 721.1  | 671.5  | 626.5  | 560.4  | 507.8  | 477.7  | 458.2  | 450.7  | 449.2  | 449.2  |
| 67.5° | 701.6  | 620.5  | 570.9  | 539.3  | 482.3  | 435.7  | 407.1  | 399.6  | 395.1  | 389.1  | 387.6  |
| 70°   | 588.9  | 524.3  | 480.7  | 453.7  | 402.6  | 368.1  | 345.5  | 333.5  | 333.5  | 329.0  | 326.0  |
| 72.5° | 489.8  | 425.2  | 396.6  | 374.1  | 332.0  | 302.0  | 285.4  | 282.4  | 271.9  | 270.4  | 270.4  |
| 75°   | 383.1  | 335.0  | 315.5  | 296.0  | 264.4  | 243.4  | 229.9  | 222.3  | 216.3  | 216.3  | 217.8  |
| 77.5° | 288.4  | 255.4  | 237.4  | 222.3  | 199.8  | 186.3  | 175.8  | 172.8  | 166.8  | 166.8  | 166.8  |
| 80°   | 204.3  | 186.3  | 172.8  | 160.8  | 144.2  | 132.2  | 126.2  | 120.2  | 120.2  | 118.7  | 120.2  |
| 82.5° | 132.2  | 117.2  | 109.7  | 108.2  | 93.1   | 88.6   | 81.1   | 82.6   | 78.1   | 76.6   | 79.6   |
| 85°   | 76.6   | 69.1   | 60.1   | 57.1   | 51.1   | 45.1   | 42.1   | 43.6   | 42.1   | 40.6   | 42.1   |
| 87.5° | 30.0   | 25.5   | 24.0   | 24.0   | 19.5   | 18.0   | 16.5   | 18.0   | 15.0   | 15.0   | 16.5   |
| 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°    | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 |
| 2.5°  | 1745.7 | 1742.7 | 1735.2 | 1730.7 | 1715.7 | 1697.6 | 1691.6 | 1676.6 | 1682.6 | 1672.1 | 1672.1 |
| 5°    | 1699.1 | 1685.6 | 1676.6 | 1663.1 | 1634.5 | 1615.0 | 1594.0 | 1583.5 | 1577.5 | 1569.9 | 1563.9 |
| 7.5°  | 1639.1 | 1628.5 | 1619.5 | 1594.0 | 1562.4 | 1535.4 | 1509.9 | 1499.3 | 1479.8 | 1466.3 | 1460.3 |
| 10°   | 1586.5 | 1571.4 | 1550.4 | 1520.4 | 1487.3 | 1452.8 | 1430.2 | 1407.7 | 1392.7 | 1385.2 | 1368.6 |
| 12.5° | 1532.4 | 1514.4 | 1491.8 | 1448.3 | 1412.2 | 1391.2 | 1350.6 | 1329.6 | 1322.1 | 1316.1 | 1296.5 |
| 15°   | 1476.8 | 1457.3 | 1430.2 | 1389.7 | 1358.1 | 1308.5 | 1284.5 | 1268.0 | 1249.9 | 1248.4 | 1233.4 |
| 17.5° | 1427.2 | 1403.2 | 1380.7 | 1331.1 | 1292.0 | 1248.4 | 1234.9 | 1216.9 | 1200.4 | 1182.3 | 1174.8 |
| 20°   | 1364.1 | 1341.6 | 1325.1 | 1271.0 | 1227.4 | 1200.4 | 1177.8 | 1162.8 | 1152.3 | 1134.3 | 1131.3 |
| 22.5° | 1307.0 | 1283.0 | 1260.5 | 1219.9 | 1182.3 | 1147.8 | 1120.7 | 1104.2 | 1099.7 | 1092.2 | 1078.7 |
| 25°   | 1251.5 | 1227.4 | 1200.4 | 1162.8 | 1123.8 | 1099.7 | 1075.7 | 1065.2 | 1056.1 | 1044.1 | 1033.6 |
| 27.5° | 1204.9 | 1182.3 | 1156.8 | 1110.2 | 1077.2 | 1059.2 | 1033.6 | 1021.6 | 1009.6 | 1003.6 | 999.1  |
| 30°   | 1149.3 | 1123.8 | 1104.2 | 1068.2 | 1032.1 | 1008.1 | 990.0  | 979.5  | 969.0  | 963.0  | 960.0  |
| 32.5° | 1095.2 | 1071.2 | 1057.6 | 1018.6 | 990.0  | 961.5  | 948.0  | 940.5  | 934.5  | 928.4  | 922.4  |
| 35°   | 1051.6 | 1027.6 | 1006.6 | 970.5  | 942.0  | 922.4  | 911.9  | 899.9  | 895.4  | 889.4  | 889.4  |
| 37.5° | 997.6  | 979.5  | 958.5  | 923.9  | 898.4  | 883.4  | 874.4  | 859.3  | 857.8  | 854.8  | 850.3  |
| 40°   | 951.0  | 933.0  | 913.4  | 883.4  | 860.8  | 842.8  | 830.8  | 823.3  | 818.8  | 815.8  | 812.8  |
| 42.5° | 901.4  | 881.9  | 872.9  | 838.3  | 818.8  | 800.7  | 794.7  | 787.2  | 785.7  | 779.7  | 772.2  |
| 45°   | 853.3  | 836.8  | 818.8  | 793.2  | 776.7  | 761.7  | 752.7  | 746.7  | 739.2  | 737.6  | 733.1  |
| 47.5° | 811.3  | 791.7  | 775.2  | 751.2  | 733.1  | 721.1  | 713.6  | 706.1  | 700.1  | 695.6  | 691.1  |
| 50°   | 757.2  | 742.2  | 728.6  | 703.1  | 688.1  | 676.1  | 665.5  | 659.5  | 653.5  | 653.5  | 653.5  |
| 52.5° | 704.6  | 691.1  | 679.1  | 661.0  | 643.0  | 632.5  | 620.5  | 616.0  | 613.0  | 608.4  | 613.0  |
| 55°   | 653.5  | 640.0  | 628.0  | 614.5  | 593.4  | 584.4  | 572.4  | 567.9  | 569.4  | 569.4  | 573.9  |
| 57.5° | 599.4  | 588.9  | 581.4  | 564.9  | 545.3  | 536.3  | 528.8  | 524.3  | 524.3  | 530.3  | 531.8  |
| 60°   | 546.9  | 536.3  | 522.8  | 507.8  | 495.8  | 485.3  | 480.7  | 482.3  | 482.3  | 485.3  | 492.8  |
| 62.5° | 488.3  | 482.3  | 474.7  | 453.7  | 446.2  | 438.7  | 432.7  | 437.2  | 435.7  | 443.2  | 453.7  |
| 65°   | 434.2  | 428.2  | 417.7  | 407.1  | 398.1  | 390.6  | 389.1  | 390.6  | 393.6  | 401.1  | 413.1  |
| 67.5° | 374.1  | 374.1  | 365.1  | 356.1  | 348.5  | 341.0  | 342.5  | 344.0  | 347.0  | 356.1  | 374.1  |
| 70°   | 324.5  | 318.5  | 309.5  | 303.5  | 297.5  | 294.5  | 291.5  | 297.5  | 306.5  | 312.5  | 326.0  |
| 72.5° | 270.4  | 265.9  | 258.4  | 252.4  | 250.9  | 247.9  | 246.4  | 249.4  | 258.4  | 268.9  | 283.9  |
| 75°   | 213.3  | 214.8  | 210.3  | 205.8  | 205.8  | 201.3  | 204.3  | 204.3  | 213.3  | 223.8  | 235.9  |
| 77.5° | 165.3  | 163.8  | 162.3  | 159.2  | 157.7  | 157.7  | 157.7  | 160.8  | 169.8  | 175.8  | 187.8  |
| 80°   | 117.2  | 118.7  | 114.2  | 115.7  | 114.2  | 115.7  | 115.7  | 121.7  | 126.2  | 133.7  | 142.7  |
| 82.5° | 78.1   | 78.1   | 75.1   | 76.6   | 76.6   | 76.6   | 78.1   | 81.1   | 87.1   | 93.1   | 99.2   |
| 85°   | 43.6   | 45.1   | 42.1   | 45.1   | 45.1   | 45.1   | 46.6   | 48.1   | 52.6   | 54.1   | 60.1   |
| 87.5° | 16.5   | 19.5   | 19.5   | 16.5   | 18.0   | 19.5   | 21.0   | 19.5   | 22.5   | 25.5   | 27.0   |
| 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°    | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 |
| 2.5°  | 1678.1 | 1667.6 | 1666.1 | 1669.1 | 1663.1 | 1672.1 | 1669.1 | 1672.1 | 1664.6 | 1672.1 | 1667.6 |
| 5°    | 1562.4 | 1559.4 | 1553.4 | 1545.9 | 1547.4 | 1548.9 | 1556.4 | 1548.9 | 1554.9 | 1556.4 | 1563.9 |
| 7.5°  | 1454.3 | 1448.3 | 1452.8 | 1449.8 | 1436.2 | 1433.2 | 1436.2 | 1440.7 | 1449.8 | 1455.8 | 1460.3 |
| 10°   | 1367.1 | 1364.1 | 1358.1 | 1353.6 | 1346.1 | 1341.6 | 1347.6 | 1341.6 | 1353.6 | 1364.1 | 1364.1 |
| 12.5° | 1301.0 | 1289.0 | 1281.5 | 1280.0 | 1263.5 | 1266.5 | 1272.5 | 1277.0 | 1290.5 | 1296.5 | 1296.5 |
| 15°   | 1231.9 | 1222.9 | 1219.9 | 1213.9 | 1207.9 | 1213.9 | 1210.9 | 1215.4 | 1221.4 | 1227.4 | 1230.4 |
| 17.5° | 1171.8 | 1170.3 | 1171.8 | 1156.8 | 1161.3 | 1153.8 | 1155.3 | 1162.8 | 1158.3 | 1162.8 | 1171.8 |
| 20°   | 1117.7 | 1120.7 | 1116.2 | 1110.2 | 1110.2 | 1101.2 | 1111.7 | 1108.7 | 1110.2 | 1119.2 | 1132.8 |
| 22.5° | 1077.2 | 1075.7 | 1071.2 | 1066.7 | 1060.7 | 1062.2 | 1063.7 | 1060.7 | 1072.7 | 1080.2 | 1081.7 |
| 25°   | 1033.6 | 1030.6 | 1029.1 | 1024.6 | 1018.6 | 1024.6 | 1023.1 | 1024.6 | 1027.6 | 1039.6 | 1030.6 |
| 27.5° | 993.0  | 987.0  | 990.0  | 985.5  | 984.0  | 985.5  | 985.5  | 987.0  | 990.0  | 991.5  | 993.0  |
| 30°   | 958.5  | 952.5  | 951.0  | 948.0  | 946.5  | 948.0  | 951.0  | 948.0  | 960.0  | 958.5  | 958.5  |
| 32.5° | 920.9  | 916.4  | 913.4  | 913.4  | 911.9  | 910.4  | 911.9  | 913.4  | 922.4  | 916.4  | 922.4  |
| 35°   | 884.9  | 881.9  | 881.9  | 878.9  | 877.4  | 877.4  | 877.4  | 883.4  | 880.4  | 884.9  | 884.9  |
| 37.5° | 850.3  | 850.3  | 848.8  | 845.8  | 844.3  | 845.8  | 844.3  | 847.3  | 845.8  | 847.3  | 848.8  |
| 40°   | 814.3  | 811.3  | 809.8  | 809.8  | 805.3  | 800.7  | 805.3  | 805.3  | 806.8  | 811.3  | 812.8  |
| 42.5° | 770.7  | 772.2  | 772.2  | 766.2  | 766.2  | 766.2  | 767.7  | 769.2  | 769.2  | 772.2  | 772.2  |
| 45°   | 733.1  | 730.1  | 730.1  | 730.1  | 727.1  | 728.6  | 731.6  | 731.6  | 731.6  | 731.6  | 728.6  |
| 47.5° | 691.1  | 691.1  | 692.6  | 692.6  | 697.1  | 695.6  | 695.6  | 694.1  | 691.1  | 691.1  | 692.6  |
| 50°   | 652.0  | 656.5  | 658.0  | 658.0  | 659.5  | 661.0  | 661.0  | 658.0  | 656.5  | 652.0  | 652.0  |
| 52.5° | 614.5  | 617.5  | 620.5  | 625.0  | 628.0  | 626.5  | 626.5  | 623.5  | 617.5  | 616.0  | 614.5  |
| 55°   | 573.9  | 578.4  | 584.4  | 588.9  | 593.4  | 594.9  | 594.9  | 588.9  | 582.9  | 575.4  | 575.4  |
| 57.5° | 536.3  | 540.8  | 551.4  | 555.9  | 561.9  | 561.9  | 558.9  | 554.4  | 545.3  | 539.3  | 534.8  |
| 60°   | 498.8  | 506.3  | 513.8  | 522.8  | 530.3  | 531.8  | 527.3  | 521.3  | 510.8  | 503.3  | 497.3  |
| 62.5° | 458.2  | 465.7  | 480.7  | 489.8  | 495.8  | 495.8  | 495.8  | 488.3  | 474.7  | 464.2  | 455.2  |
| 65°   | 419.2  | 426.7  | 440.2  | 452.2  | 456.7  | 461.2  | 456.7  | 449.2  | 438.7  | 426.7  | 417.7  |
| 67.5° | 378.6  | 387.6  | 401.1  | 410.1  | 416.1  | 420.7  | 417.7  | 411.6  | 398.1  | 381.6  | 375.6  |
| 70°   | 333.5  | 338.0  | 357.6  | 366.6  | 375.6  | 378.6  | 375.6  | 366.6  | 353.1  | 335.0  | 329.0  |
| 72.5° | 291.5  | 296.0  | 314.0  | 321.5  | 329.0  | 332.0  | 327.5  | 321.5  | 309.5  | 293.0  | 285.4  |
| 75°   | 243.4  | 250.9  | 259.9  | 271.9  | 280.9  | 283.9  | 279.4  | 274.9  | 259.9  | 249.4  | 243.4  |
| 77.5° | 192.3  | 199.8  | 211.8  | 222.3  | 231.4  | 229.9  | 223.8  | 225.4  | 208.8  | 196.8  | 192.3  |
| 80°   | 145.7  | 151.7  | 160.8  | 169.8  | 174.3  | 174.3  | 172.8  | 166.8  | 160.8  | 151.7  | 144.2  |
| 82.5° | 100.7  | 108.2  | 115.7  | 121.7  | 121.7  | 123.2  | 120.2  | 118.7  | 112.7  | 105.2  | 103.7  |
| 85°   | 60.1   | 61.6   | 67.6   | 67.6   | 73.6   | 70.6   | 69.1   | 73.6   | 67.6   | 63.1   | 61.6   |
| 87.5° | 27.0   | 25.5   | 27.0   | 27.0   | 25.5   | 28.5   | 28.5   | 27.0   | 28.5   | 27.0   | 27.0   |
| 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: P1004556

CATALOG NUMBER: S125DR-B1270DB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|       | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 | 1769.8 |
| 2.5°  | 1681.1 | 1672.1 | 1682.6 | 1669.1 | 1672.1 | 1688.6 | 1687.1 | 1702.2 | 1711.2 | 1709.7 | 1717.2 |
| 5°    | 1569.9 | 1569.9 | 1574.5 | 1573.0 | 1588.0 | 1601.5 | 1619.5 | 1634.5 | 1651.1 | 1660.1 | 1670.6 |
| 7.5°  | 1460.3 | 1475.3 | 1478.3 | 1485.8 | 1503.8 | 1526.4 | 1544.4 | 1566.9 | 1591.0 | 1607.5 | 1619.5 |
| 10°   | 1370.1 | 1382.2 | 1394.2 | 1400.2 | 1419.7 | 1449.8 | 1475.3 | 1511.4 | 1541.4 | 1559.4 | 1576.0 |
| 12.5° | 1290.5 | 1304.0 | 1310.0 | 1337.1 | 1350.6 | 1370.1 | 1406.2 | 1445.3 | 1478.3 | 1497.8 | 1511.4 |
| 15°   | 1233.4 | 1240.9 | 1254.5 | 1271.0 | 1284.5 | 1308.5 | 1338.6 | 1382.2 | 1413.7 | 1430.2 | 1476.8 |
| 17.5° | 1185.3 | 1194.4 | 1201.9 | 1209.4 | 1230.4 | 1256.0 | 1284.5 | 1322.1 | 1362.6 | 1391.2 | 1415.2 |
| 20°   | 1135.8 | 1140.3 | 1149.3 | 1161.3 | 1176.3 | 1200.4 | 1225.9 | 1265.0 | 1301.0 | 1323.6 | 1355.1 |
| 22.5° | 1077.2 | 1090.7 | 1099.7 | 1108.7 | 1125.3 | 1152.3 | 1176.3 | 1204.9 | 1249.9 | 1275.5 | 1308.5 |
| 25°   | 1042.6 | 1048.6 | 1054.6 | 1065.2 | 1077.2 | 1101.2 | 1128.3 | 1158.3 | 1194.4 | 1221.4 | 1249.9 |
| 27.5° | 997.6  | 1006.6 | 1014.1 | 1027.6 | 1035.1 | 1054.6 | 1080.2 | 1110.2 | 1153.8 | 1176.3 | 1200.4 |
| 30°   | 960.0  | 969.0  | 975.0  | 981.0  | 991.5  | 1012.6 | 1036.6 | 1060.7 | 1101.2 | 1129.8 | 1153.8 |
| 32.5° | 922.4  | 931.5  | 939.0  | 943.5  | 954.0  | 967.5  | 987.0  | 1017.1 | 1051.6 | 1071.2 | 1102.7 |
| 35°   | 889.4  | 889.4  | 898.4  | 904.4  | 913.4  | 925.4  | 943.5  | 966.0  | 1002.1 | 1027.6 | 1056.1 |
| 37.5° | 851.8  | 853.3  | 860.8  | 865.3  | 874.4  | 886.4  | 904.4  | 925.4  | 955.5  | 975.0  | 1003.6 |
| 40°   | 812.8  | 817.3  | 820.3  | 827.8  | 838.3  | 842.8  | 860.8  | 884.9  | 914.9  | 933.0  | 957.0  |
| 42.5° | 773.7  | 776.7  | 784.2  | 790.2  | 799.2  | 806.8  | 818.8  | 841.3  | 863.8  | 890.9  | 910.4  |
| 45°   | 730.1  | 737.6  | 742.2  | 752.7  | 757.2  | 764.7  | 776.7  | 794.7  | 821.8  | 838.3  | 860.8  |
| 47.5° | 692.6  | 695.6  | 698.6  | 712.1  | 721.1  | 725.6  | 737.6  | 748.2  | 776.7  | 791.7  | 812.8  |
| 50°   | 652.0  | 652.0  | 656.5  | 662.5  | 673.0  | 682.1  | 692.6  | 704.6  | 727.1  | 742.2  | 763.2  |
| 52.5° | 614.5  | 610.0  | 613.0  | 616.0  | 626.5  | 635.5  | 646.0  | 662.5  | 683.6  | 692.6  | 710.6  |
| 55°   | 573.9  | 566.4  | 570.9  | 575.4  | 578.4  | 590.4  | 602.4  | 613.0  | 629.5  | 643.0  | 659.5  |
| 57.5° | 530.3  | 528.8  | 525.8  | 527.3  | 534.8  | 542.3  | 551.4  | 564.9  | 584.4  | 594.9  | 603.9  |
| 60°   | 491.3  | 482.3  | 479.2  | 482.3  | 486.8  | 491.3  | 503.3  | 515.3  | 531.8  | 542.3  | 552.9  |
| 62.5° | 450.7  | 441.7  | 435.7  | 431.2  | 435.7  | 446.2  | 453.7  | 462.7  | 476.2  | 488.3  | 497.3  |
| 65°   | 411.6  | 398.1  | 392.1  | 389.1  | 387.6  | 395.1  | 401.1  | 413.1  | 425.2  | 429.7  | 440.2  |
| 67.5° | 368.1  | 356.1  | 348.5  | 344.0  | 344.0  | 344.0  | 350.0  | 362.1  | 374.1  | 375.6  | 386.1  |
| 70°   | 324.5  | 311.0  | 303.5  | 297.5  | 294.5  | 297.5  | 305.0  | 306.5  | 317.0  | 320.0  | 326.0  |
| 72.5° | 277.9  | 265.9  | 256.9  | 249.4  | 250.9  | 253.9  | 253.9  | 256.9  | 262.9  | 270.4  | 270.4  |
| 75°   | 234.4  | 217.8  | 213.3  | 207.3  | 204.3  | 204.3  | 204.3  | 210.3  | 214.8  | 220.8  | 219.3  |
| 77.5° | 184.8  | 175.8  | 166.8  | 163.8  | 159.2  | 157.7  | 160.8  | 160.8  | 163.8  | 168.3  | 169.8  |
| 80°   | 142.7  | 132.2  | 126.2  | 123.2  | 117.2  | 115.7  | 117.2  | 117.2  | 121.7  | 120.2  | 121.7  |
| 82.5° | 99.2   | 91.6   | 87.1   | 82.6   | 79.6   | 81.1   | 79.6   | 79.6   | 81.1   | 79.6   | 79.6   |
| 85°   | 57.1   | 55.6   | 52.6   | 51.1   | 49.6   | 46.6   | 49.6   | 48.1   | 46.6   | 45.1   | 48.1   |
| 87.5° | 27.0   | 25.5   | 25.5   | 22.5   | 22.5   | 21.0   | 22.5   | 22.5   | 21.0   | 21.0   | 21.0   |
| 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: P1004556

CATALOG NUMBER: S125DR-B1270DB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|       | 345°   | 350°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|
| 0°    | 1769.8 | 1769.8 | 1769.8 | 1769.8 |
| 2.5°  | 1727.7 | 1742.7 | 1753.2 | 1772.8 |
| 5°    | 1688.6 | 1715.7 | 1741.2 | 1768.3 |
| 7.5°  | 1649.6 | 1681.1 | 1721.7 | 1756.2 |
| 10°   | 1606.0 | 1646.6 | 1694.6 | 1741.2 |
| 12.5° | 1562.4 | 1610.5 | 1663.1 | 1724.7 |
| 15°   | 1509.9 | 1571.4 | 1633.0 | 1699.1 |
| 17.5° | 1463.3 | 1526.4 | 1592.5 | 1675.1 |
| 20°   | 1410.7 | 1479.8 | 1551.9 | 1636.0 |
| 22.5° | 1364.1 | 1440.7 | 1515.9 | 1604.5 |
| 25°   | 1311.5 | 1386.7 | 1469.3 | 1563.9 |
| 27.5° | 1268.0 | 1337.1 | 1418.2 | 1520.4 |
| 30°   | 1215.4 | 1290.5 | 1371.6 | 1473.8 |
| 32.5° | 1165.8 | 1237.9 | 1323.6 | 1424.2 |
| 35°   | 1114.7 | 1188.4 | 1265.0 | 1361.1 |
| 37.5° | 1066.7 | 1129.8 | 1206.4 | 1298.0 |
| 40°   | 1012.6 | 1081.7 | 1150.8 | 1222.9 |
| 42.5° | 963.0  | 1026.1 | 1090.7 | 1147.8 |
| 45°   | 907.4  | 961.5  | 1023.1 | 1069.7 |
| 47.5° | 856.3  | 904.4  | 952.5  | 988.5  |
| 50°   | 805.3  | 842.8  | 878.9  | 910.4  |
| 52.5° | 745.2  | 787.2  | 806.8  | 826.3  |
| 55°   | 691.1  | 715.1  | 733.1  | 752.7  |
| 57.5° | 638.5  | 649.0  | 658.0  | 676.1  |
| 60°   | 569.4  | 581.4  | 591.9  | 605.4  |
| 62.5° | 509.3  | 515.3  | 518.3  | 531.8  |
| 65°   | 452.2  | 450.7  | 458.2  | 465.7  |
| 67.5° | 390.6  | 389.1  | 396.6  | 399.6  |
| 70°   | 330.5  | 329.0  | 330.5  | 338.0  |
| 72.5° | 273.4  | 273.4  | 274.9  | 277.9  |
| 75°   | 220.8  | 220.8  | 222.3  | 225.4  |
| 77.5° | 166.8  | 169.8  | 168.3  | 174.3  |
| 80°   | 121.7  | 118.7  | 121.7  | 124.7  |
| 82.5° | 79.6   | 82.6   | 82.6   | 79.6   |
| 85°   | 45.1   | 45.1   | 45.1   | 45.1   |
| 87.5° | 19.5   | 19.5   | 21.0   | 22.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)