

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: P996362

Luminaire Tested: S123RDRP-B1165DB2750-4F0-XX-W2A-A\_5000K

Issue Date: 5/2/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P996362  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/2/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S123RDRP-B1165DB2750-4F0-XX-W2A-A\_5000K  
Description: Define 3 Regressed Direct Perimeter with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}  
Light Source: -  
Ballast/Driver: -

**Summary**

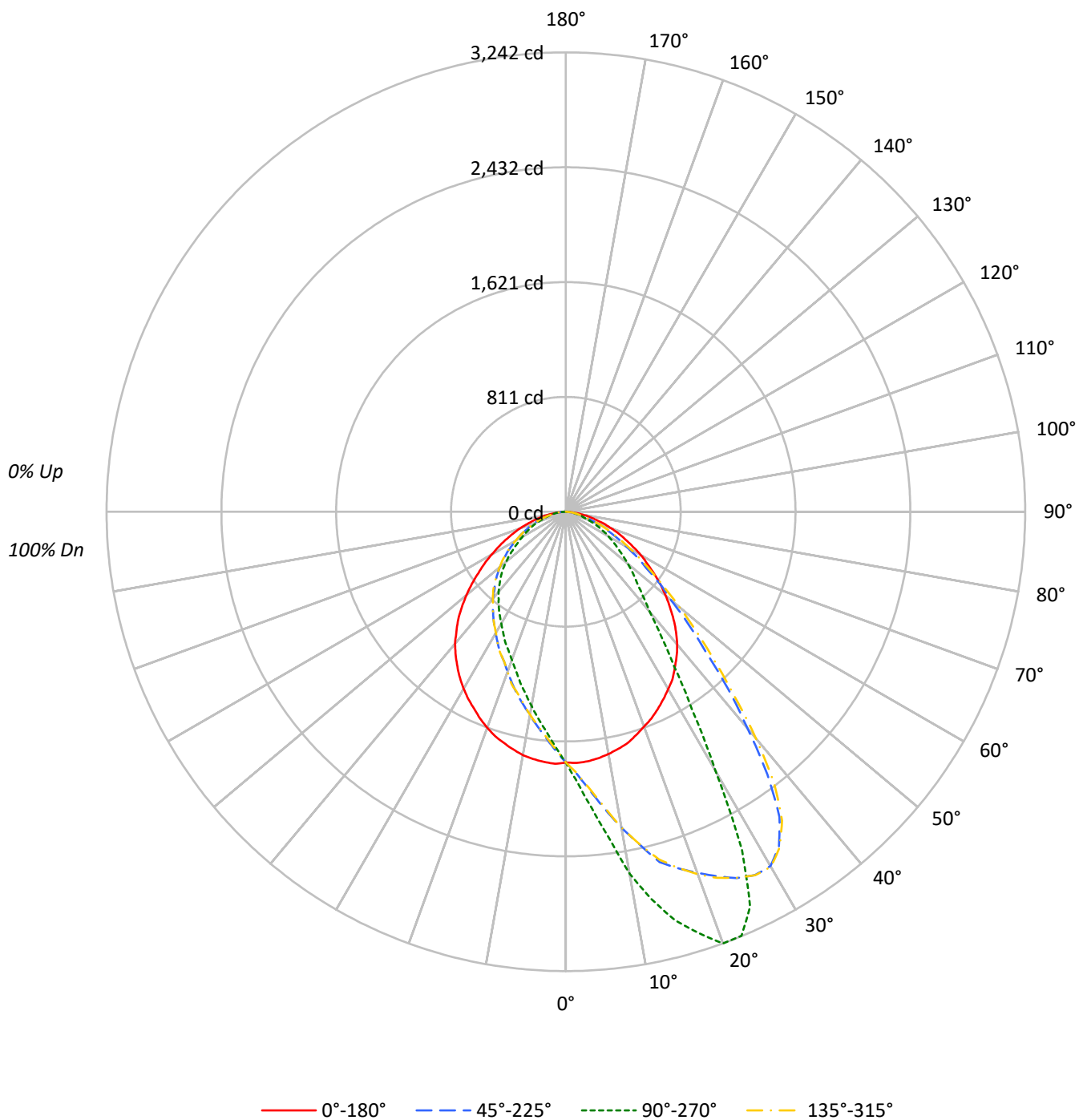
Lumens per Lamp: N/A  
Luminaire Lumens: 4406.0 lumens  
Efficiency: N/A  
Efficacy: 71.9 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: Direct

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: P996362

CATALOG NUMBER: S123RDRP-B1165DB2750-4F0-XX-W2A-A\_5000K

### Luminous Intensity Polar Plot



TEST NUMBER: P996362

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

|     |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|--|-----|-----|-----|-----|
| RF  | 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 | 99  | 108 | 104 | 100 | 97  | 100 | 97  | 94  |  | 96  | 93  | 91  |  | 92  | 90  | 89  | 87  |
| 2   | 101 | 94  | 88  | 83  | 99  | 92  | 87  | 82  | 89  | 84  | 80  |  | 86  | 82  | 78  |  | 83  | 79  | 77  | 74  |
| 3   | 93  | 84  | 76  | 71  | 91  | 82  | 75  | 70  | 79  | 74  | 69  |  | 77  | 72  | 68  |  | 74  | 70  | 66  | 64  |
| 4   | 86  | 75  | 67  | 61  | 84  | 74  | 66  | 61  | 71  | 65  | 60  |  | 69  | 64  | 59  |  | 67  | 62  | 58  | 56  |
| 5   | 80  | 68  | 60  | 53  | 78  | 67  | 59  | 53  | 65  | 58  | 53  |  | 63  | 57  | 52  |  | 61  | 56  | 52  | 50  |
| 6   | 74  | 62  | 53  | 47  | 72  | 61  | 53  | 47  | 59  | 52  | 47  |  | 57  | 51  | 46  |  | 56  | 50  | 46  | 44  |
| 7   | 69  | 56  | 48  | 42  | 67  | 55  | 48  | 42  | 54  | 47  | 42  |  | 53  | 46  | 42  |  | 51  | 46  | 41  | 39  |
| 8   | 64  | 52  | 44  | 38  | 63  | 51  | 43  | 38  | 50  | 43  | 38  |  | 48  | 42  | 38  |  | 47  | 42  | 37  | 36  |
| 9   | 60  | 48  | 40  | 35  | 59  | 47  | 40  | 35  | 46  | 39  | 34  |  | 45  | 39  | 34  |  | 44  | 38  | 34  | 32  |
| 10  | 57  | 44  | 37  | 32  | 55  | 44  | 36  | 32  | 43  | 36  | 31  |  | 42  | 36  | 31  |  | 41  | 35  | 31  | 29  |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 19046 | 19046 | 19046 | 19046 |
| 5°  | 19102 | 22704 | 19152 | 16844 |
| 10° | 18976 | 28348 | 19059 | 15217 |
| 15° | 18823 | 33274 | 18823 | 13877 |
| 20° | 18481 | 37136 | 18585 | 12738 |
| 25° | 18244 | 36542 | 18208 | 12037 |
| 30° | 17963 | 26266 | 17925 | 11317 |
| 35° | 17617 | 17538 | 17538 | 10849 |
| 40° | 17178 | 12922 | 17093 | 10367 |
| 45° | 16373 | 10838 | 16350 | 9893  |
| 50° | 15373 | 9563  | 15322 | 9234  |
| 55° | 14244 | 8387  | 14129 | 8330  |
| 60° | 13143 | 7468  | 13014 | 7632  |
| 65° | 11846 | 6558  | 11922 | 7098  |
| 70° | 10678 | 5149  | 10965 | 6483  |
| 75° | 9262  | 4537  | 9640  | 5922  |
| 80° | 7699  | 3942  | 8356  | 5821  |
| 85° | 6175  | 3186  | 6731  | 6175  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 31063 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 173.8  | 3.9       |
| 10°-20°   | 544.0  | 12.3      |
| 20°-30°   | 856.7  | 19.4      |
| 30°-40°   | 890.8  | 20.2      |
| 40°-50°   | 762.1  | 17.3      |
| 50°-60°   | 581.1  | 13.2      |
| 60°-70°   | 372.3  | 8.4       |
| 70°-80°   | 178.4  | 4.0       |
| 80°-90°   | 46.9   | 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       |
| 0°-30°    | 1574.4 | 35.7      |
| 0°-40°    | 2465.3 | 56.0      |
| 0°-60°    | 3808.5 | 86.4      |
| 0°-90°    | 4406.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4406.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1769 | 1769 | 1769 | 1769 | 1769 |      |
| 5°  | 1768 | 2101 | 1772 | 1559 | 1768 | 168  |
| 15° | 1689 | 2986 | 1689 | 1245 | 1689 | 475  |
| 25° | 1536 | 3077 | 1533 | 1014 | 1536 | 708  |
| 35° | 1341 | 1335 | 1335 | 826  | 1341 | 839  |
| 45° | 1076 | 712  | 1074 | 650  | 1076 | 828  |
| 55° | 759  | 447  | 753  | 444  | 759  | 680  |
| 65° | 465  | 258  | 468  | 279  | 465  | 465  |
| 75° | 223  | 109  | 232  | 142  | 223  | 240  |
| 85° | 50   | 26   | 54   | 50   | 50   | 59   |
| 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°    | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 |
| 2.5°  | 1774.0 | 1786.1 | 1795.2 | 1801.3 | 1816.4 | 1825.5 | 1833.1 | 1846.7 | 1846.7 | 1849.7 | 1855.8 |
| 5°    | 1767.9 | 1793.7 | 1811.9 | 1836.1 | 1867.9 | 1883.1 | 1904.3 | 1922.4 | 1948.2 | 1961.8 | 1975.5 |
| 7.5°  | 1754.3 | 1790.6 | 1828.5 | 1864.9 | 1911.8 | 1942.1 | 1963.3 | 2010.3 | 2043.6 | 2084.5 | 2116.4 |
| 10°   | 1736.1 | 1786.1 | 1834.6 | 1890.6 | 1954.3 | 1999.7 | 2031.5 | 2093.6 | 2157.3 | 2214.8 | 2263.3 |
| 12.5° | 1713.4 | 1774.0 | 1843.7 | 1911.8 | 2001.2 | 2046.7 | 2098.2 | 2175.4 | 2266.3 | 2339.1 | 2404.2 |
| 15°   | 1689.1 | 1758.8 | 1837.6 | 1920.9 | 2033.0 | 2096.7 | 2170.9 | 2264.8 | 2366.3 | 2470.9 | 2560.2 |
| 17.5° | 1651.3 | 1739.1 | 1827.0 | 1948.2 | 2080.0 | 2117.9 | 2181.5 | 2310.3 | 2436.0 | 2529.9 | 2639.0 |
| 20°   | 1613.4 | 1711.9 | 1822.5 | 1931.5 | 2073.9 | 2161.8 | 2220.9 | 2357.2 | 2492.1 | 2605.7 | 2710.2 |
| 22.5° | 1578.6 | 1681.6 | 1796.7 | 1934.6 | 2067.9 | 2155.7 | 2230.0 | 2372.4 | 2528.4 | 2655.7 | 2784.4 |
| 25°   | 1536.1 | 1648.2 | 1775.5 | 1905.8 | 2067.9 | 2134.5 | 2216.3 | 2381.5 | 2546.6 | 2693.5 | 2852.6 |
| 27.5° | 1490.7 | 1604.3 | 1730.1 | 1863.4 | 2011.8 | 2110.3 | 2190.6 | 2367.8 | 2569.3 | 2726.9 | 2890.5 |
| 30°   | 1445.2 | 1561.9 | 1683.1 | 1802.8 | 1969.4 | 2063.3 | 2155.7 | 2351.2 | 2581.4 | 2761.7 | 2887.5 |
| 32.5° | 1401.3 | 1499.8 | 1619.5 | 1736.1 | 1901.2 | 2004.3 | 2108.8 | 2334.5 | 2586.0 | 2737.5 | 2798.1 |
| 35°   | 1340.7 | 1443.7 | 1540.7 | 1664.9 | 1831.6 | 1933.1 | 2055.8 | 2333.0 | 2566.3 | 2660.2 | 2629.9 |
| 37.5° | 1284.7 | 1371.0 | 1463.4 | 1574.0 | 1745.2 | 1877.0 | 2004.3 | 2293.6 | 2501.2 | 2507.2 | 2336.0 |
| 40°   | 1222.5 | 1293.8 | 1371.0 | 1487.7 | 1672.5 | 1802.8 | 1940.6 | 2233.0 | 2383.0 | 2293.6 | 1992.1 |
| 42.5° | 1151.3 | 1215.0 | 1275.6 | 1389.2 | 1590.7 | 1736.1 | 1884.6 | 2157.3 | 2211.8 | 2005.8 | 1692.2 |
| 45°   | 1075.6 | 1127.1 | 1183.2 | 1302.8 | 1504.3 | 1648.2 | 1796.7 | 2040.6 | 1984.6 | 1693.7 | 1395.3 |
| 47.5° | 996.8  | 1040.8 | 1095.3 | 1204.4 | 1411.9 | 1558.9 | 1699.8 | 1874.0 | 1731.6 | 1419.5 | 1169.5 |
| 50°   | 918.0  | 952.9  | 1005.9 | 1118.0 | 1318.0 | 1451.3 | 1581.6 | 1695.2 | 1495.2 | 1218.0 | 966.5  |
| 52.5° | 840.8  | 868.1  | 922.6  | 1018.0 | 1211.9 | 1339.2 | 1433.1 | 1477.1 | 1274.1 | 1005.9 | 839.3  |
| 55°   | 759.0  | 789.3  | 825.6  | 922.6  | 1115.0 | 1208.9 | 1271.0 | 1269.5 | 1060.5 | 852.9  | 693.8  |
| 57.5° | 680.2  | 707.5  | 739.3  | 836.2  | 992.3  | 1055.9 | 1108.9 | 1083.2 | 884.7  | 698.4  | 595.4  |
| 60°   | 610.5  | 625.7  | 660.5  | 742.3  | 860.5  | 915.0  | 945.3  | 901.4  | 722.6  | 589.3  | 492.4  |
| 62.5° | 534.8  | 549.9  | 578.7  | 656.0  | 728.7  | 757.5  | 783.2  | 727.2  | 596.9  | 480.2  | 421.2  |
| 65°   | 465.1  | 484.8  | 503.0  | 565.1  | 604.5  | 639.3  | 636.3  | 589.3  | 466.6  | 390.9  | 342.4  |
| 67.5° | 404.5  | 412.1  | 427.2  | 465.1  | 483.3  | 509.0  | 510.5  | 457.5  | 375.7  | 318.1  | 289.4  |
| 70°   | 339.3  | 346.9  | 357.5  | 375.7  | 387.8  | 393.9  | 390.9  | 343.9  | 283.3  | 248.4  | 222.7  |
| 72.5° | 283.3  | 281.8  | 289.4  | 289.4  | 301.5  | 300.0  | 290.9  | 254.5  | 215.1  | 186.3  | 171.2  |
| 75°   | 222.7  | 224.2  | 225.7  | 222.7  | 218.1  | 212.1  | 204.5  | 177.2  | 151.5  | 137.9  | 124.2  |
| 77.5° | 174.2  | 171.2  | 172.7  | 162.1  | 156.0  | 150.0  | 139.4  | 125.7  | 104.5  | 101.5  | 95.4   |
| 80°   | 124.2  | 122.7  | 121.2  | 116.6  | 103.0  | 97.0   | 89.4   | 81.8   | 77.3   | 74.2   | 72.7   |
| 82.5° | 83.3   | 83.3   | 80.3   | 71.2   | 63.6   | 59.1   | 57.6   | 54.5   | 50.0   | 50.0   | 48.5   |
| 85°   | 50.0   | 48.5   | 45.4   | 36.4   | 31.8   | 31.8   | 31.8   | 31.8   | 28.8   | 28.8   | 27.3   |
| 87.5° | 19.7   | 18.2   | 13.6   | 13.6   | 12.1   | 12.1   | 12.1   | 10.6   | 10.6   | 9.1    | 9.1    |
| 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°    | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 |
| 2.5°  | 1867.9 | 1867.9 | 1881.5 | 1895.2 | 1887.6 | 1892.1 | 1908.8 | 1902.8 | 1914.9 | 1913.4 | 1917.9 |
| 5°    | 2008.8 | 2025.5 | 2039.1 | 2067.9 | 2072.4 | 2067.9 | 2096.7 | 2104.2 | 2117.9 | 2101.2 | 2108.8 |
| 7.5°  | 2167.9 | 2202.7 | 2236.0 | 2278.5 | 2292.1 | 2295.1 | 2310.3 | 2331.5 | 2349.7 | 2316.3 | 2333.0 |
| 10°   | 2322.4 | 2375.4 | 2443.6 | 2481.5 | 2514.8 | 2526.9 | 2539.0 | 2552.7 | 2573.9 | 2593.6 | 2578.4 |
| 12.5° | 2489.0 | 2566.3 | 2631.4 | 2699.6 | 2740.5 | 2736.0 | 2770.8 | 2779.9 | 2796.6 | 2801.1 | 2807.2 |
| 15°   | 2625.4 | 2734.4 | 2775.4 | 2876.9 | 2885.9 | 2916.2 | 2955.6 | 2990.5 | 2995.0 | 2985.9 | 2985.9 |
| 17.5° | 2755.7 | 2849.6 | 2922.3 | 3004.1 | 3020.8 | 3046.5 | 3096.5 | 3113.2 | 3119.2 | 3117.7 | 3117.7 |
| 20°   | 2861.7 | 2923.8 | 3046.5 | 3114.7 | 3142.0 | 3175.3 | 3210.1 | 3231.3 | 3235.9 | 3242.0 | 3232.9 |
| 22.5° | 2931.4 | 3025.3 | 3125.3 | 3181.4 | 3204.1 | 3216.2 | 3238.9 | 3245.0 | 3237.4 | 3238.9 | 3240.4 |
| 25°   | 2985.9 | 3078.3 | 3138.9 | 3154.1 | 3152.6 | 3137.4 | 3120.8 | 3092.0 | 3088.9 | 3076.8 | 3052.6 |
| 27.5° | 3001.1 | 3035.9 | 3028.3 | 2966.2 | 2904.1 | 2898.1 | 2798.1 | 2743.5 | 2681.4 | 2690.5 | 2655.7 |
| 30°   | 2919.3 | 2873.8 | 2766.3 | 2608.7 | 2543.6 | 2437.5 | 2325.4 | 2208.8 | 2163.3 | 2113.3 | 2205.7 |
| 32.5° | 2719.3 | 2557.2 | 2366.3 | 2161.8 | 2052.7 | 1958.8 | 1839.1 | 1754.3 | 1705.8 | 1664.9 | 1743.7 |
| 35°   | 2417.8 | 2164.8 | 1911.8 | 1717.9 | 1628.6 | 1543.7 | 1431.6 | 1389.2 | 1328.6 | 1334.7 | 1342.2 |
| 37.5° | 2030.0 | 1751.3 | 1560.4 | 1369.5 | 1310.4 | 1275.6 | 1193.8 | 1128.6 | 1107.4 | 1101.4 | 1101.4 |
| 40°   | 1666.4 | 1437.7 | 1268.0 | 1118.0 | 1072.6 | 1043.8 | 978.6  | 948.3  | 925.6  | 919.6  | 927.1  |
| 42.5° | 1378.6 | 1183.2 | 1051.4 | 951.4  | 919.6  | 883.2  | 855.9  | 818.1  | 813.5  | 802.9  | 816.5  |
| 45°   | 1157.4 | 987.7  | 889.3  | 816.5  | 789.3  | 775.6  | 745.3  | 722.6  | 713.5  | 712.0  | 722.6  |
| 47.5° | 981.7  | 849.9  | 763.5  | 718.1  | 696.9  | 683.2  | 657.5  | 648.4  | 639.3  | 642.3  | 637.8  |
| 50°   | 824.1  | 725.7  | 669.6  | 628.7  | 615.1  | 601.4  | 584.8  | 575.7  | 571.1  | 571.1  | 569.6  |
| 52.5° | 707.5  | 625.7  | 589.3  | 551.4  | 545.4  | 537.8  | 519.6  | 513.6  | 506.0  | 504.5  | 510.5  |
| 55°   | 606.0  | 549.9  | 513.6  | 490.8  | 484.8  | 469.6  | 462.1  | 454.5  | 449.9  | 446.9  | 448.4  |
| 57.5° | 518.1  | 475.7  | 451.4  | 431.8  | 421.2  | 415.1  | 401.5  | 399.9  | 396.9  | 396.9  | 395.4  |
| 60°   | 445.4  | 415.1  | 386.3  | 374.2  | 366.6  | 359.0  | 357.5  | 348.4  | 343.9  | 346.9  | 345.4  |
| 62.5° | 377.2  | 353.0  | 336.3  | 322.7  | 318.1  | 312.1  | 307.5  | 304.5  | 300.0  | 301.5  | 301.5  |
| 65°   | 315.1  | 295.4  | 283.3  | 271.2  | 269.7  | 263.6  | 262.1  | 259.1  | 259.1  | 257.5  | 260.6  |
| 67.5° | 259.1  | 245.4  | 234.8  | 227.2  | 222.7  | 224.2  | 218.1  | 213.6  | 213.6  | 212.1  | 216.6  |
| 70°   | 206.0  | 198.5  | 187.9  | 178.8  | 172.7  | 172.7  | 165.1  | 163.6  | 163.6  | 163.6  | 162.1  |
| 72.5° | 159.1  | 145.4  | 140.9  | 137.9  | 137.9  | 137.9  | 134.8  | 134.8  | 133.3  | 134.8  | 133.3  |
| 75°   | 118.2  | 116.6  | 113.6  | 112.1  | 112.1  | 110.6  | 109.1  | 109.1  | 109.1  | 109.1  | 109.1  |
| 77.5° | 92.4   | 92.4   | 89.4   | 87.9   | 87.9   | 87.9   | 86.4   | 86.4   | 84.8   | 84.8   | 84.8   |
| 80°   | 68.2   | 68.2   | 65.1   | 65.1   | 65.1   | 63.6   | 63.6   | 63.6   | 65.1   | 63.6   | 63.6   |
| 82.5° | 47.0   | 47.0   | 45.4   | 47.0   | 45.4   | 43.9   | 43.9   | 43.9   | 42.4   | 43.9   | 43.9   |
| 85°   | 27.3   | 27.3   | 25.8   | 24.2   | 25.8   | 25.8   | 24.2   | 25.8   | 24.2   | 25.8   | 24.2   |
| 87.5° | 10.6   | 9.1    | 9.1    | 9.1    | 7.6    | 9.1    | 7.6    | 7.6    | 9.1    | 7.6    | 9.1    |
| 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°    | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 |
| 2.5°  | 1910.3 | 1901.2 | 1895.2 | 1890.6 | 1886.1 | 1899.7 | 1881.5 | 1861.8 | 1848.2 | 1839.1 | 1836.1 |
| 5°    | 2110.3 | 2090.6 | 2073.9 | 2060.3 | 2063.3 | 2063.3 | 2031.5 | 1996.7 | 1966.4 | 1949.7 | 1931.5 |
| 7.5°  | 2342.1 | 2320.9 | 2287.5 | 2280.0 | 2273.9 | 2236.0 | 2204.2 | 2140.6 | 2102.7 | 2064.9 | 2031.5 |
| 10°   | 2572.4 | 2545.1 | 2513.3 | 2502.7 | 2487.5 | 2440.6 | 2392.1 | 2310.3 | 2263.3 | 2193.6 | 2149.7 |
| 12.5° | 2787.5 | 2754.1 | 2722.3 | 2714.8 | 2692.0 | 2651.1 | 2567.8 | 2483.0 | 2402.7 | 2328.4 | 2251.2 |
| 15°   | 2967.7 | 2958.7 | 2910.2 | 2879.9 | 2829.9 | 2773.8 | 2755.7 | 2640.5 | 2539.0 | 2461.8 | 2322.4 |
| 17.5° | 3119.2 | 3076.8 | 3031.4 | 3011.7 | 2992.0 | 2926.8 | 2861.7 | 2743.5 | 2634.5 | 2520.8 | 2431.5 |
| 20°   | 3240.4 | 3193.5 | 3161.7 | 3132.9 | 3123.8 | 3049.6 | 2946.5 | 2842.0 | 2722.3 | 2595.1 | 2478.4 |
| 22.5° | 3246.5 | 3240.4 | 3219.2 | 3202.6 | 3184.4 | 3135.9 | 3054.1 | 2923.8 | 2796.6 | 2657.2 | 2504.2 |
| 25°   | 3120.8 | 3111.7 | 3172.3 | 3157.1 | 3169.2 | 3151.1 | 3107.1 | 2998.0 | 2849.6 | 2686.0 | 2531.4 |
| 27.5° | 2742.0 | 2834.4 | 2929.9 | 2963.2 | 2985.9 | 3051.1 | 3072.3 | 3011.7 | 2892.0 | 2717.8 | 2545.1 |
| 30°   | 2226.9 | 2349.7 | 2504.2 | 2587.5 | 2651.1 | 2772.3 | 2929.9 | 2949.6 | 2893.5 | 2754.1 | 2542.1 |
| 32.5° | 1748.2 | 1860.3 | 1984.6 | 2083.0 | 2167.9 | 2416.3 | 2628.4 | 2781.4 | 2808.7 | 2736.0 | 2549.6 |
| 35°   | 1408.9 | 1457.4 | 1575.5 | 1669.5 | 1784.6 | 1996.7 | 2246.6 | 2493.6 | 2660.2 | 2669.3 | 2526.9 |
| 37.5° | 1162.0 | 1187.7 | 1290.7 | 1343.7 | 1411.9 | 1598.3 | 1831.6 | 2154.2 | 2413.3 | 2536.0 | 2463.3 |
| 40°   | 962.0  | 1021.1 | 1080.1 | 1110.4 | 1158.9 | 1287.7 | 1511.9 | 1764.9 | 2086.1 | 2313.3 | 2364.8 |
| 42.5° | 834.7  | 860.5  | 898.4  | 940.8  | 971.1  | 1083.2 | 1233.2 | 1464.9 | 1754.3 | 2070.9 | 2213.3 |
| 45°   | 736.3  | 745.3  | 784.7  | 812.0  | 843.8  | 922.6  | 1028.6 | 1222.5 | 1477.1 | 1789.1 | 2031.5 |
| 47.5° | 654.4  | 672.6  | 693.8  | 710.5  | 731.7  | 792.3  | 883.2  | 1024.1 | 1248.3 | 1527.0 | 1787.6 |
| 50°   | 581.7  | 592.3  | 619.6  | 627.2  | 642.3  | 684.7  | 754.4  | 862.0  | 1046.8 | 1269.5 | 1539.2 |
| 52.5° | 513.6  | 533.3  | 543.9  | 554.5  | 568.1  | 602.9  | 648.4  | 736.3  | 875.6  | 1084.7 | 1313.4 |
| 55°   | 460.5  | 466.6  | 481.7  | 490.8  | 501.4  | 525.7  | 565.1  | 630.2  | 739.3  | 905.9  | 1122.6 |
| 57.5° | 409.0  | 409.0  | 424.2  | 431.8  | 442.4  | 460.5  | 495.4  | 545.4  | 624.2  | 748.4  | 946.8  |
| 60°   | 354.5  | 356.0  | 368.1  | 377.2  | 380.2  | 398.4  | 427.2  | 466.6  | 527.2  | 618.1  | 780.2  |
| 62.5° | 306.0  | 313.6  | 319.7  | 322.7  | 333.3  | 343.9  | 368.1  | 395.4  | 437.8  | 518.1  | 633.2  |
| 65°   | 265.1  | 266.6  | 271.2  | 274.2  | 278.7  | 290.9  | 309.0  | 327.2  | 363.6  | 422.7  | 516.6  |
| 67.5° | 218.1  | 224.2  | 230.3  | 230.3  | 234.8  | 240.9  | 259.1  | 274.2  | 301.5  | 336.3  | 399.9  |
| 70°   | 163.6  | 166.6  | 175.7  | 180.3  | 186.3  | 196.9  | 206.0  | 215.1  | 236.3  | 262.1  | 310.6  |
| 72.5° | 136.3  | 136.3  | 139.4  | 140.9  | 140.9  | 148.5  | 162.1  | 171.2  | 181.8  | 200.0  | 233.3  |
| 75°   | 109.1  | 109.1  | 113.6  | 112.1  | 115.1  | 118.2  | 119.7  | 125.7  | 131.8  | 145.4  | 165.1  |
| 77.5° | 86.4   | 87.9   | 87.9   | 89.4   | 89.4   | 90.9   | 92.4   | 95.4   | 98.5   | 106.0  | 115.1  |
| 80°   | 63.6   | 65.1   | 65.1   | 66.7   | 66.7   | 68.2   | 69.7   | 71.2   | 74.2   | 77.3   | 81.8   |
| 82.5° | 43.9   | 45.4   | 45.4   | 47.0   | 45.4   | 47.0   | 48.5   | 48.5   | 50.0   | 53.0   | 54.5   |
| 85°   | 25.8   | 25.8   | 27.3   | 25.8   | 25.8   | 25.8   | 27.3   | 27.3   | 28.8   | 33.3   | 33.3   |
| 87.5° | 7.6    | 9.1    | 7.6    | 9.1    | 9.1    | 9.1    | 9.1    | 10.6   | 10.6   | 12.1   | 13.6   |
| 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°    | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 |
| 2.5°  | 1831.6 | 1824.0 | 1816.4 | 1816.4 | 1799.7 | 1784.6 | 1777.0 | 1780.0 | 1771.0 | 1758.8 | 1746.7 |
| 5°    | 1911.8 | 1881.5 | 1875.5 | 1858.8 | 1836.1 | 1804.3 | 1787.6 | 1772.5 | 1754.3 | 1730.1 | 1707.3 |
| 7.5°  | 1986.1 | 1946.7 | 1925.5 | 1908.8 | 1864.9 | 1820.9 | 1784.6 | 1760.3 | 1728.5 | 1692.2 | 1664.9 |
| 10°   | 2083.0 | 2010.3 | 1987.6 | 1949.7 | 1887.6 | 1825.5 | 1783.1 | 1743.7 | 1699.8 | 1657.3 | 1621.0 |
| 12.5° | 2160.3 | 2077.0 | 2034.6 | 1996.7 | 1916.4 | 1837.6 | 1766.4 | 1717.9 | 1664.9 | 1617.9 | 1571.0 |
| 15°   | 2248.2 | 2154.2 | 2080.0 | 2034.6 | 1933.1 | 1837.6 | 1757.3 | 1689.1 | 1630.1 | 1572.5 | 1531.6 |
| 17.5° | 2290.6 | 2172.4 | 2139.1 | 2073.9 | 1927.0 | 1831.6 | 1733.1 | 1660.4 | 1589.2 | 1522.5 | 1474.0 |
| 20°   | 2357.2 | 2219.4 | 2136.1 | 2092.1 | 1961.8 | 1820.9 | 1705.8 | 1622.5 | 1548.3 | 1477.1 | 1425.5 |
| 22.5° | 2361.8 | 2211.8 | 2157.3 | 2073.9 | 1913.4 | 1789.1 | 1681.6 | 1580.1 | 1493.7 | 1427.1 | 1374.0 |
| 25°   | 2351.2 | 2198.2 | 2122.4 | 2055.8 | 1922.4 | 1771.0 | 1633.1 | 1533.1 | 1448.3 | 1371.0 | 1308.9 |
| 27.5° | 2346.6 | 2158.8 | 2087.6 | 2020.9 | 1870.9 | 1717.9 | 1604.3 | 1490.7 | 1393.7 | 1325.6 | 1261.9 |
| 30°   | 2340.6 | 2116.4 | 2030.0 | 1952.7 | 1814.9 | 1677.0 | 1540.7 | 1442.2 | 1349.8 | 1263.5 | 1199.8 |
| 32.5° | 2301.2 | 2058.8 | 1970.9 | 1889.1 | 1740.7 | 1602.8 | 1495.2 | 1390.7 | 1290.7 | 1210.4 | 1152.9 |
| 35°   | 2289.1 | 2005.8 | 1890.6 | 1802.8 | 1657.3 | 1534.6 | 1421.0 | 1334.7 | 1240.7 | 1160.4 | 1092.3 |
| 37.5° | 2254.2 | 1951.2 | 1827.0 | 1714.9 | 1563.4 | 1446.8 | 1363.4 | 1277.1 | 1186.2 | 1099.8 | 1045.3 |
| 40°   | 2193.6 | 1887.6 | 1746.7 | 1631.6 | 1475.5 | 1357.4 | 1280.1 | 1216.5 | 1127.1 | 1049.8 | 983.2  |
| 42.5° | 2104.2 | 1822.5 | 1671.0 | 1549.8 | 1377.1 | 1266.5 | 1202.9 | 1142.3 | 1066.5 | 986.2  | 931.7  |
| 45°   | 2001.2 | 1736.1 | 1595.2 | 1460.4 | 1284.7 | 1177.1 | 1110.4 | 1074.1 | 1004.4 | 936.2  | 872.6  |
| 47.5° | 1860.3 | 1646.7 | 1507.4 | 1368.0 | 1189.2 | 1084.7 | 1031.7 | 995.3  | 946.8  | 872.6  | 821.1  |
| 50°   | 1683.1 | 1531.6 | 1399.8 | 1275.6 | 1095.3 | 995.3  | 942.3  | 915.0  | 874.1  | 821.1  | 771.1  |
| 52.5° | 1486.1 | 1398.3 | 1289.2 | 1174.1 | 999.9  | 905.9  | 857.5  | 836.2  | 805.9  | 756.0  | 713.5  |
| 55°   | 1287.7 | 1249.8 | 1175.6 | 1062.0 | 899.9  | 822.6  | 780.2  | 752.9  | 730.2  | 693.8  | 657.5  |
| 57.5° | 1110.4 | 1092.3 | 1040.8 | 952.9  | 816.5  | 736.3  | 699.9  | 681.7  | 663.5  | 636.3  | 599.9  |
| 60°   | 927.1  | 946.8  | 893.8  | 849.9  | 725.7  | 656.0  | 624.2  | 604.5  | 595.4  | 571.1  | 548.4  |
| 62.5° | 768.1  | 786.2  | 756.0  | 722.6  | 634.8  | 572.6  | 552.9  | 534.8  | 528.7  | 507.5  | 484.8  |
| 65°   | 624.2  | 646.9  | 624.2  | 606.0  | 552.9  | 501.4  | 477.2  | 468.1  | 462.1  | 448.4  | 430.2  |
| 67.5° | 496.9  | 519.6  | 509.0  | 486.3  | 469.6  | 427.2  | 413.6  | 404.5  | 401.5  | 390.9  | 375.7  |
| 70°   | 374.2  | 406.0  | 409.0  | 395.4  | 380.2  | 360.6  | 351.5  | 348.4  | 340.9  | 331.8  | 322.7  |
| 72.5° | 269.7  | 306.0  | 307.5  | 307.5  | 298.4  | 298.4  | 289.4  | 284.8  | 284.8  | 275.7  | 265.1  |
| 75°   | 198.5  | 222.7  | 225.7  | 228.8  | 233.3  | 237.8  | 231.8  | 231.8  | 230.3  | 221.2  | 216.6  |
| 77.5° | 131.8  | 153.0  | 160.6  | 171.2  | 177.2  | 177.2  | 180.3  | 183.3  | 180.3  | 175.7  | 172.7  |
| 80°   | 84.8   | 100.0  | 109.1  | 115.1  | 124.2  | 128.8  | 133.3  | 134.8  | 131.8  | 130.3  | 125.7  |
| 82.5° | 56.1   | 60.6   | 65.1   | 72.7   | 83.3   | 90.9   | 90.9   | 89.4   | 92.4   | 90.9   | 89.4   |
| 85°   | 31.8   | 34.8   | 36.4   | 37.9   | 43.9   | 51.5   | 53.0   | 54.5   | 57.6   | 54.5   | 51.5   |
| 87.5° | 12.1   | 13.6   | 13.6   | 13.6   | 16.7   | 18.2   | 22.7   | 28.8   | 27.3   | 24.2   | 24.2   |
| 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°    | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 |
| 2.5°  | 1746.7 | 1739.1 | 1736.1 | 1728.5 | 1710.4 | 1698.2 | 1684.6 | 1675.5 | 1677.0 | 1669.5 | 1674.0 |
| 5°    | 1692.2 | 1690.7 | 1680.1 | 1664.9 | 1639.2 | 1625.5 | 1601.3 | 1589.2 | 1583.1 | 1584.6 | 1575.5 |
| 7.5°  | 1646.7 | 1633.1 | 1625.5 | 1601.3 | 1577.0 | 1548.3 | 1528.6 | 1518.0 | 1508.9 | 1499.8 | 1493.7 |
| 10°   | 1595.2 | 1583.1 | 1571.0 | 1545.2 | 1511.9 | 1484.6 | 1457.4 | 1446.8 | 1433.1 | 1427.1 | 1422.5 |
| 12.5° | 1540.7 | 1533.1 | 1518.0 | 1487.7 | 1449.8 | 1424.0 | 1392.2 | 1386.2 | 1368.0 | 1355.9 | 1352.8 |
| 15°   | 1490.7 | 1486.1 | 1458.9 | 1424.0 | 1386.2 | 1360.4 | 1333.1 | 1315.0 | 1284.7 | 1290.7 | 1280.1 |
| 17.5° | 1437.7 | 1418.0 | 1401.3 | 1354.3 | 1336.2 | 1296.8 | 1265.0 | 1255.9 | 1234.7 | 1221.0 | 1207.4 |
| 20°   | 1378.6 | 1366.5 | 1345.3 | 1315.0 | 1271.0 | 1225.6 | 1201.3 | 1186.2 | 1174.1 | 1152.9 | 1146.8 |
| 22.5° | 1322.5 | 1307.4 | 1289.2 | 1249.8 | 1211.9 | 1174.1 | 1140.7 | 1127.1 | 1112.0 | 1096.8 | 1087.7 |
| 25°   | 1278.6 | 1255.9 | 1236.2 | 1187.7 | 1149.8 | 1118.0 | 1096.8 | 1074.1 | 1052.9 | 1043.8 | 1040.8 |
| 27.5° | 1210.4 | 1196.8 | 1177.1 | 1131.7 | 1096.8 | 1062.0 | 1042.3 | 1027.1 | 1004.4 | 993.8  | 984.7  |
| 30°   | 1166.5 | 1139.2 | 1116.5 | 1080.1 | 1045.3 | 1007.4 | 989.2  | 971.1  | 957.4  | 943.8  | 933.2  |
| 32.5° | 1107.4 | 1086.2 | 1068.0 | 1031.7 | 996.8  | 962.0  | 942.3  | 915.0  | 907.4  | 896.8  | 884.7  |
| 35°   | 1049.8 | 1036.2 | 1016.5 | 977.1  | 939.3  | 915.0  | 893.8  | 868.1  | 859.0  | 851.4  | 840.8  |
| 37.5° | 995.3  | 975.6  | 962.0  | 924.1  | 890.8  | 862.0  | 845.3  | 824.1  | 818.1  | 809.0  | 801.4  |
| 40°   | 948.3  | 928.7  | 915.0  | 877.1  | 842.3  | 812.0  | 801.4  | 780.2  | 771.1  | 760.5  | 756.0  |
| 42.5° | 895.3  | 878.7  | 860.5  | 833.2  | 796.9  | 766.6  | 745.3  | 733.2  | 721.1  | 716.6  | 707.5  |
| 45°   | 839.3  | 824.1  | 810.5  | 780.2  | 742.3  | 721.1  | 702.9  | 686.3  | 677.2  | 669.6  | 663.5  |
| 47.5° | 790.8  | 777.2  | 759.0  | 725.7  | 695.4  | 675.7  | 657.5  | 640.8  | 631.7  | 622.6  | 615.1  |
| 50°   | 734.7  | 727.2  | 707.5  | 675.7  | 646.9  | 624.2  | 607.5  | 592.3  | 586.3  | 575.7  | 563.6  |
| 52.5° | 684.7  | 671.1  | 654.4  | 628.7  | 602.9  | 575.7  | 552.9  | 543.9  | 533.3  | 527.2  | 516.6  |
| 55°   | 625.7  | 616.6  | 598.4  | 575.7  | 548.4  | 525.7  | 509.0  | 496.9  | 483.3  | 477.2  | 463.6  |
| 57.5° | 575.7  | 559.0  | 549.9  | 521.1  | 495.4  | 472.7  | 460.5  | 448.4  | 433.3  | 424.2  | 418.1  |
| 60°   | 521.1  | 506.0  | 492.4  | 468.1  | 449.9  | 425.7  | 407.5  | 396.9  | 386.3  | 374.2  | 368.1  |
| 62.5° | 468.1  | 456.0  | 439.3  | 419.6  | 396.9  | 377.2  | 363.6  | 348.4  | 342.4  | 330.3  | 325.7  |
| 65°   | 410.5  | 401.5  | 387.8  | 365.1  | 346.9  | 330.3  | 316.6  | 304.5  | 298.4  | 293.9  | 290.9  |
| 67.5° | 359.0  | 346.9  | 337.8  | 318.1  | 298.4  | 284.8  | 277.2  | 269.7  | 262.1  | 257.5  | 253.0  |
| 70°   | 306.0  | 296.9  | 287.8  | 269.7  | 256.0  | 243.9  | 237.8  | 231.8  | 227.2  | 222.7  | 218.1  |
| 72.5° | 251.5  | 246.9  | 237.8  | 225.7  | 215.1  | 206.0  | 201.5  | 193.9  | 189.4  | 181.8  | 178.8  |
| 75°   | 207.5  | 200.0  | 195.4  | 184.8  | 175.7  | 168.2  | 162.1  | 153.0  | 146.9  | 143.9  | 142.4  |
| 77.5° | 163.6  | 160.6  | 154.5  | 145.4  | 140.9  | 133.3  | 124.2  | 121.2  | 118.2  | 118.2  | 116.6  |
| 80°   | 122.7  | 118.2  | 113.6  | 106.0  | 101.5  | 95.4   | 95.4   | 95.4   | 93.9   | 95.4   | 93.9   |
| 82.5° | 83.3   | 80.3   | 77.3   | 72.7   | 71.2   | 71.2   | 72.7   | 72.7   | 72.7   | 72.7   | 72.7   |
| 85°   | 48.5   | 48.5   | 48.5   | 50.0   | 48.5   | 48.5   | 50.0   | 51.5   | 50.0   | 50.0   | 48.5   |
| 87.5° | 22.7   | 22.7   | 24.2   | 24.2   | 25.8   | 25.8   | 25.8   | 25.8   | 25.8   | 25.8   | 27.3   |
| 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°    | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 |
| 2.5°  | 1672.5 | 1674.0 | 1669.5 | 1660.4 | 1658.8 | 1661.9 | 1671.0 | 1667.9 | 1660.4 | 1674.0 | 1661.9 |
| 5°    | 1580.1 | 1572.5 | 1569.5 | 1572.5 | 1563.4 | 1558.9 | 1568.0 | 1563.4 | 1568.0 | 1569.5 | 1574.0 |
| 7.5°  | 1490.7 | 1492.2 | 1483.1 | 1484.6 | 1472.5 | 1475.5 | 1475.5 | 1475.5 | 1480.1 | 1483.1 | 1489.2 |
| 10°   | 1413.4 | 1416.5 | 1405.9 | 1407.4 | 1398.3 | 1392.2 | 1396.8 | 1405.9 | 1405.9 | 1405.9 | 1408.9 |
| 12.5° | 1351.3 | 1337.7 | 1330.1 | 1328.6 | 1318.0 | 1315.0 | 1324.0 | 1327.1 | 1334.7 | 1334.7 | 1339.2 |
| 15°   | 1274.1 | 1271.0 | 1265.0 | 1265.0 | 1239.2 | 1245.3 | 1248.3 | 1258.9 | 1274.1 | 1261.9 | 1265.0 |
| 17.5° | 1204.4 | 1196.8 | 1189.2 | 1186.2 | 1183.2 | 1174.1 | 1186.2 | 1184.7 | 1193.8 | 1195.3 | 1199.8 |
| 20°   | 1142.3 | 1136.2 | 1121.0 | 1122.6 | 1125.6 | 1112.0 | 1119.5 | 1119.5 | 1128.6 | 1137.7 | 1148.3 |
| 22.5° | 1081.7 | 1075.6 | 1068.0 | 1071.1 | 1062.0 | 1058.9 | 1058.9 | 1066.5 | 1077.1 | 1084.7 | 1083.2 |
| 25°   | 1034.7 | 1024.1 | 1019.5 | 1015.0 | 1010.5 | 1013.5 | 1008.9 | 1016.5 | 1024.1 | 1028.6 | 1024.1 |
| 27.5° | 981.7  | 977.1  | 968.0  | 963.5  | 955.9  | 959.0  | 962.0  | 968.0  | 972.6  | 972.6  | 977.1  |
| 30°   | 930.2  | 924.1  | 921.1  | 916.5  | 916.5  | 910.5  | 912.0  | 918.0  | 922.6  | 927.1  | 933.2  |
| 32.5° | 880.2  | 875.6  | 871.1  | 871.1  | 868.1  | 866.5  | 865.0  | 874.1  | 874.1  | 883.2  | 883.2  |
| 35°   | 839.3  | 831.7  | 831.7  | 824.1  | 827.2  | 825.6  | 822.6  | 828.7  | 830.2  | 836.2  | 834.7  |
| 37.5° | 793.8  | 793.8  | 790.8  | 783.2  | 777.2  | 778.7  | 786.2  | 786.2  | 790.8  | 789.3  | 793.8  |
| 40°   | 748.4  | 745.3  | 745.3  | 740.8  | 739.3  | 737.8  | 739.3  | 740.8  | 748.4  | 746.9  | 748.4  |
| 42.5° | 702.9  | 704.4  | 696.9  | 696.9  | 696.9  | 692.3  | 693.8  | 695.4  | 698.4  | 701.4  | 706.0  |
| 45°   | 659.0  | 656.0  | 654.4  | 651.4  | 648.4  | 649.9  | 648.4  | 654.4  | 652.9  | 656.0  | 660.5  |
| 47.5° | 612.0  | 607.5  | 606.0  | 599.9  | 599.9  | 602.9  | 601.4  | 606.0  | 607.5  | 612.0  | 609.0  |
| 50°   | 566.6  | 560.5  | 556.0  | 557.5  | 548.4  | 551.4  | 551.4  | 556.0  | 560.5  | 562.0  | 565.1  |
| 52.5° | 513.6  | 512.0  | 510.5  | 503.0  | 501.4  | 499.9  | 501.4  | 503.0  | 509.0  | 513.6  | 515.1  |
| 55°   | 462.1  | 460.5  | 451.4  | 448.4  | 443.9  | 443.9  | 446.9  | 448.4  | 459.0  | 460.5  | 466.6  |
| 57.5° | 415.1  | 410.5  | 399.9  | 398.4  | 398.4  | 398.4  | 393.9  | 399.9  | 403.0  | 410.5  | 410.5  |
| 60°   | 363.6  | 363.6  | 354.5  | 354.5  | 356.0  | 354.5  | 354.5  | 356.0  | 356.0  | 362.1  | 365.1  |
| 62.5° | 322.7  | 321.2  | 321.2  | 318.1  | 316.6  | 318.1  | 316.6  | 316.6  | 318.1  | 322.7  | 327.2  |
| 65°   | 286.3  | 284.8  | 283.3  | 281.8  | 278.7  | 278.7  | 280.3  | 283.3  | 283.3  | 286.3  | 287.8  |
| 67.5° | 251.5  | 251.5  | 248.4  | 248.4  | 246.9  | 245.4  | 246.9  | 245.4  | 251.5  | 251.5  | 253.0  |
| 70°   | 216.6  | 215.1  | 210.6  | 209.1  | 204.5  | 206.0  | 206.0  | 210.6  | 212.1  | 215.1  | 218.1  |
| 72.5° | 174.2  | 174.2  | 171.2  | 168.2  | 169.7  | 166.6  | 166.6  | 168.2  | 168.2  | 172.7  | 174.2  |
| 75°   | 143.9  | 140.9  | 139.4  | 140.9  | 139.4  | 142.4  | 139.4  | 139.4  | 142.4  | 142.4  | 142.4  |
| 77.5° | 118.2  | 118.2  | 116.6  | 116.6  | 118.2  | 116.6  | 118.2  | 118.2  | 118.2  | 116.6  | 118.2  |
| 80°   | 97.0   | 95.4   | 95.4   | 95.4   | 93.9   | 93.9   | 93.9   | 93.9   | 93.9   | 93.9   | 93.9   |
| 82.5° | 72.7   | 72.7   | 71.2   | 72.7   | 72.7   | 71.2   | 72.7   | 71.2   | 71.2   | 72.7   | 72.7   |
| 85°   | 48.5   | 51.5   | 48.5   | 48.5   | 50.0   | 50.0   | 51.5   | 50.0   | 51.5   | 48.5   | 50.0   |
| 87.5° | 25.8   | 27.3   | 27.3   | 25.8   | 25.8   | 27.3   | 27.3   | 27.3   | 28.8   | 25.8   | 27.3   |
| 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):**

|       | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 |
| 2.5°  | 1674.0 | 1680.1 | 1674.0 | 1661.9 | 1674.0 | 1681.6 | 1689.1 | 1701.3 | 1707.3 | 1707.3 | 1716.4 |
| 5°    | 1578.6 | 1590.7 | 1586.1 | 1583.1 | 1595.2 | 1602.8 | 1614.9 | 1630.1 | 1646.7 | 1657.3 | 1669.5 |
| 7.5°  | 1493.7 | 1501.3 | 1508.9 | 1508.9 | 1521.0 | 1537.7 | 1555.8 | 1574.0 | 1595.2 | 1610.4 | 1619.5 |
| 10°   | 1419.5 | 1425.5 | 1430.1 | 1436.2 | 1454.3 | 1472.5 | 1496.8 | 1519.5 | 1537.7 | 1554.3 | 1569.5 |
| 12.5° | 1348.3 | 1357.4 | 1368.0 | 1372.5 | 1386.2 | 1408.9 | 1431.6 | 1458.9 | 1487.7 | 1504.3 | 1519.5 |
| 15°   | 1280.1 | 1284.7 | 1296.8 | 1310.4 | 1322.5 | 1346.8 | 1375.6 | 1404.3 | 1428.6 | 1454.3 | 1468.0 |
| 17.5° | 1210.4 | 1211.9 | 1243.8 | 1236.2 | 1275.6 | 1298.3 | 1313.4 | 1340.7 | 1380.1 | 1401.3 | 1422.5 |
| 20°   | 1142.3 | 1157.4 | 1171.0 | 1178.6 | 1199.8 | 1225.6 | 1269.5 | 1290.7 | 1322.5 | 1342.2 | 1360.4 |
| 22.5° | 1089.2 | 1112.0 | 1112.0 | 1130.1 | 1140.7 | 1165.0 | 1196.8 | 1237.7 | 1272.5 | 1286.2 | 1311.9 |
| 25°   | 1042.3 | 1052.9 | 1071.1 | 1077.1 | 1096.8 | 1118.0 | 1139.2 | 1183.2 | 1221.0 | 1239.2 | 1257.4 |
| 27.5° | 981.7  | 995.3  | 1019.5 | 1019.5 | 1045.3 | 1068.0 | 1093.8 | 1122.6 | 1160.4 | 1186.2 | 1205.9 |
| 30°   | 934.7  | 948.3  | 959.0  | 975.6  | 986.2  | 1007.4 | 1052.9 | 1074.1 | 1107.4 | 1130.1 | 1154.4 |
| 32.5° | 890.8  | 901.4  | 910.5  | 928.7  | 940.8  | 965.0  | 989.2  | 1027.1 | 1055.9 | 1077.1 | 1102.9 |
| 35°   | 842.3  | 852.9  | 865.0  | 878.7  | 896.8  | 919.6  | 942.3  | 974.1  | 1002.9 | 1022.6 | 1043.8 |
| 37.5° | 796.9  | 804.4  | 822.6  | 831.7  | 846.8  | 868.1  | 896.8  | 930.2  | 955.9  | 971.1  | 992.3  |
| 40°   | 752.9  | 759.0  | 772.6  | 789.3  | 799.9  | 816.5  | 846.8  | 875.6  | 907.4  | 925.6  | 942.3  |
| 42.5° | 706.0  | 713.5  | 725.7  | 742.3  | 759.0  | 777.2  | 793.8  | 827.2  | 855.9  | 871.1  | 889.3  |
| 45°   | 665.1  | 669.6  | 678.7  | 695.4  | 712.0  | 725.7  | 751.4  | 781.7  | 809.0  | 821.1  | 840.8  |
| 47.5° | 616.6  | 621.1  | 634.8  | 642.3  | 660.5  | 678.7  | 704.4  | 734.7  | 759.0  | 771.1  | 789.3  |
| 50°   | 566.6  | 571.1  | 580.2  | 596.9  | 609.0  | 628.7  | 651.4  | 677.2  | 707.5  | 724.1  | 734.7  |
| 52.5° | 518.1  | 527.2  | 534.8  | 548.4  | 563.6  | 583.2  | 604.5  | 628.7  | 654.4  | 671.1  | 683.2  |
| 55°   | 469.6  | 477.2  | 486.3  | 493.9  | 512.0  | 530.2  | 554.5  | 577.2  | 599.9  | 615.1  | 628.7  |
| 57.5° | 415.1  | 425.7  | 434.8  | 449.9  | 463.6  | 478.7  | 506.0  | 524.2  | 551.4  | 562.0  | 574.2  |
| 60°   | 368.1  | 378.7  | 386.3  | 398.4  | 410.5  | 430.2  | 448.4  | 471.1  | 493.9  | 507.5  | 522.7  |
| 62.5° | 328.7  | 333.3  | 337.8  | 349.9  | 362.1  | 380.2  | 398.4  | 421.2  | 445.4  | 453.0  | 465.1  |
| 65°   | 289.4  | 293.9  | 301.5  | 312.1  | 321.2  | 331.8  | 351.5  | 369.6  | 392.4  | 404.5  | 409.0  |
| 67.5° | 256.0  | 260.6  | 262.1  | 269.7  | 277.2  | 289.4  | 300.0  | 318.1  | 339.3  | 346.9  | 356.0  |
| 70°   | 218.1  | 225.7  | 227.2  | 233.3  | 236.3  | 243.9  | 256.0  | 269.7  | 286.3  | 300.0  | 307.5  |
| 72.5° | 174.2  | 184.8  | 187.9  | 196.9  | 201.5  | 209.1  | 218.1  | 228.8  | 239.4  | 245.4  | 251.5  |
| 75°   | 142.4  | 145.4  | 146.9  | 154.5  | 162.1  | 172.7  | 177.2  | 183.3  | 192.4  | 200.0  | 206.0  |
| 77.5° | 118.2  | 119.7  | 121.2  | 121.2  | 122.7  | 128.8  | 137.9  | 145.4  | 151.5  | 154.5  | 159.1  |
| 80°   | 95.4   | 93.9   | 93.9   | 95.4   | 95.4   | 95.4   | 98.5   | 109.1  | 112.1  | 119.7  | 118.2  |
| 82.5° | 74.2   | 71.2   | 72.7   | 71.2   | 71.2   | 71.2   | 71.2   | 72.7   | 72.7   | 77.3   | 80.3   |
| 85°   | 48.5   | 50.0   | 48.5   | 48.5   | 47.0   | 48.5   | 47.0   | 47.0   | 45.4   | 45.4   | 43.9   |
| 87.5° | 25.8   | 27.3   | 25.8   | 25.8   | 24.2   | 25.8   | 24.2   | 24.2   | 22.7   | 22.7   | 19.7   |
| 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: P996362

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**CANDELA DISTRIBUTION (continued):**

|       | 345°   | 350°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|
| 0°    | 1769.4 | 1769.4 | 1769.4 | 1769.4 |
| 2.5°  | 1724.0 | 1734.6 | 1755.8 | 1774.0 |
| 5°    | 1687.6 | 1704.3 | 1736.1 | 1767.9 |
| 7.5°  | 1643.7 | 1669.5 | 1710.4 | 1754.3 |
| 10°   | 1601.3 | 1634.6 | 1684.6 | 1736.1 |
| 12.5° | 1558.9 | 1593.7 | 1646.7 | 1713.4 |
| 15°   | 1508.9 | 1545.2 | 1608.9 | 1689.1 |
| 17.5° | 1464.9 | 1513.4 | 1571.0 | 1651.3 |
| 20°   | 1418.0 | 1454.3 | 1528.6 | 1613.4 |
| 22.5° | 1358.9 | 1419.5 | 1489.2 | 1578.6 |
| 25°   | 1311.9 | 1365.0 | 1434.6 | 1536.1 |
| 27.5° | 1254.4 | 1316.5 | 1401.3 | 1490.7 |
| 30°   | 1207.4 | 1258.9 | 1337.7 | 1445.2 |
| 32.5° | 1152.9 | 1213.5 | 1295.3 | 1401.3 |
| 35°   | 1104.4 | 1155.9 | 1233.2 | 1340.7 |
| 37.5° | 1046.8 | 1102.9 | 1189.2 | 1284.7 |
| 40°   | 996.8  | 1051.4 | 1133.2 | 1222.5 |
| 42.5° | 936.2  | 993.8  | 1075.6 | 1151.3 |
| 45°   | 887.7  | 940.8  | 1005.9 | 1075.6 |
| 47.5° | 828.7  | 884.7  | 948.3  | 996.8  |
| 50°   | 775.6  | 827.2  | 877.1  | 918.0  |
| 52.5° | 718.1  | 765.0  | 810.5  | 840.8  |
| 55°   | 665.1  | 701.4  | 737.8  | 759.0  |
| 57.5° | 602.9  | 637.8  | 668.1  | 680.2  |
| 60°   | 548.4  | 577.2  | 596.9  | 610.5  |
| 62.5° | 490.8  | 512.0  | 527.2  | 534.8  |
| 65°   | 434.8  | 449.9  | 457.5  | 465.1  |
| 67.5° | 377.2  | 390.9  | 395.4  | 404.5  |
| 70°   | 316.6  | 331.8  | 334.8  | 339.3  |
| 72.5° | 271.2  | 271.2  | 277.2  | 283.3  |
| 75°   | 216.6  | 219.7  | 222.7  | 222.7  |
| 77.5° | 169.7  | 169.7  | 172.7  | 174.2  |
| 80°   | 124.2  | 125.7  | 125.7  | 124.2  |
| 82.5° | 84.8   | 87.9   | 84.8   | 83.3   |
| 85°   | 47.0   | 53.0   | 50.0   | 50.0   |
| 87.5° | 19.7   | 19.7   | 22.7   | 19.7   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)