

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: P1037614

Luminaire Tested: S124DS-B1195DB2750-4F0-XX-W2A-A\_3500K

Issue Date: 5/2/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1037614  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/2/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S124DS-B1195DB2750-4F0-XX-W2A-A\_3500K  
Description: Define 4 Direct Surface with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}  
Light Source: -  
Ballast/Driver: -

**Summary**

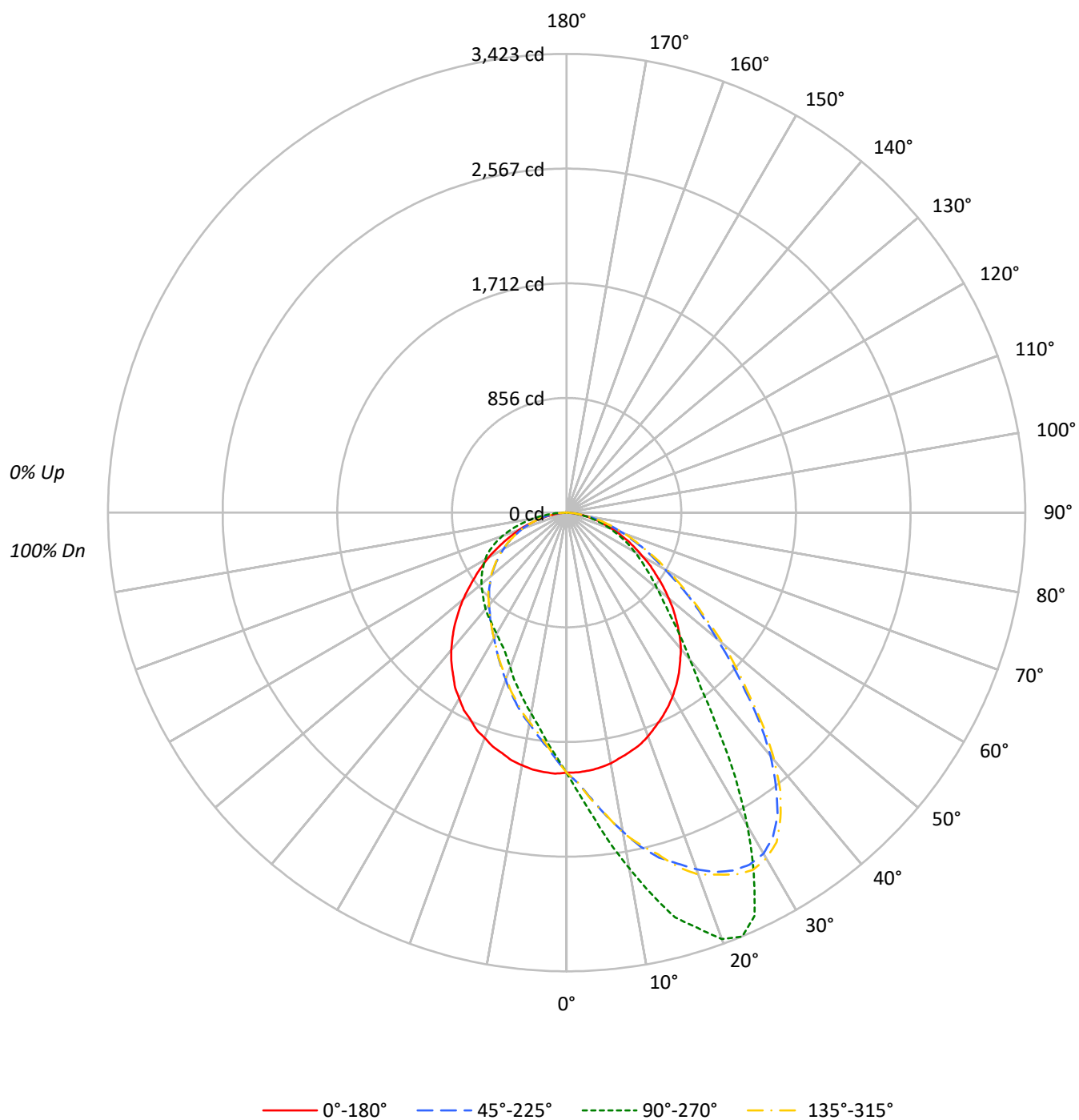
Lumens per Lamp: N/A  
Luminaire Lumens: 5353.0 lumens  
Efficiency: N/A  
Efficacy: 87.3 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Direct

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: P1037614

CATALOG NUMBER: S124DS-B1195DB2750-4F0-XX-W2A-A\_3500K

### Luminous Intensity Polar Plot



TEST NUMBER: P1037614

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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  | 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   | 109 | 105 | 101 | 97  | 107 | 103 | 99  | 96  | 98  | 95  | 93  | 95  | 92  | 90  | 91  | 89  | 87  | 85  |    |    |    |
| 2   | 100 | 92  | 86  | 80  | 98  | 90  | 84  | 79  | 87  | 82  | 78  | 84  | 79  | 76  | 81  | 77  | 74  | 72  |    |    |    |
| 3   | 92  | 82  | 74  | 68  | 89  | 80  | 73  | 67  | 77  | 71  | 66  | 74  | 69  | 65  | 72  | 67  | 64  | 62  |    |    |    |
| 4   | 84  | 73  | 64  | 58  | 82  | 72  | 64  | 58  | 69  | 62  | 57  | 67  | 61  | 56  | 65  | 60  | 55  | 53  |    |    |    |
| 5   | 78  | 65  | 57  | 50  | 76  | 64  | 56  | 50  | 62  | 55  | 50  | 60  | 54  | 49  | 58  | 53  | 49  | 46  |    |    |    |
| 6   | 72  | 59  | 51  | 44  | 70  | 58  | 50  | 44  | 56  | 49  | 44  | 55  | 48  | 43  | 53  | 47  | 43  | 41  |    |    |    |
| 7   | 67  | 54  | 45  | 39  | 65  | 53  | 45  | 39  | 52  | 44  | 39  | 50  | 44  | 39  | 49  | 43  | 38  | 36  |    |    |    |
| 8   | 62  | 49  | 41  | 35  | 61  | 49  | 41  | 35  | 47  | 40  | 35  | 46  | 40  | 35  | 45  | 39  | 35  | 33  |    |    |    |
| 9   | 58  | 45  | 37  | 32  | 57  | 45  | 37  | 32  | 44  | 37  | 32  | 43  | 36  | 32  | 42  | 36  | 31  | 30  |    |    |    |
| 10  | 55  | 42  | 34  | 29  | 54  | 41  | 34  | 29  | 40  | 34  | 29  | 39  | 33  | 29  | 39  | 33  | 29  | 27  |    |    |    |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 15819 | 15819 | 15819 | 15819 |
| 5°  | 15814 | 18629 | 15905 | 13998 |
| 10° | 15730 | 22305 | 15850 | 12603 |
| 15° | 15577 | 26390 | 15685 | 11573 |
| 20° | 15412 | 29387 | 15523 | 10655 |
| 25° | 15154 | 29862 | 15299 | 10021 |
| 30° | 14906 | 25409 | 15088 | 9822  |
| 35° | 14543 | 19535 | 14703 | 9823  |
| 40° | 14114 | 15226 | 14251 | 10008 |
| 45° | 13437 | 12696 | 13605 | 10176 |
| 50° | 12621 | 11173 | 12804 | 10521 |
| 55° | 11654 | 10236 | 11836 | 10946 |
| 60° | 10720 | 9593  | 11035 | 11454 |
| 65° | 9862  | 8932  | 9954  | 11878 |
| 70° | 8853  | 8161  | 9043  | 12148 |
| 75° | 7899  | 7291  | 7848  | 12001 |
| 80° | 6490  | 6114  | 6415  | 11623 |
| 85° | 4809  | 4510  | 4510  | 11125 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 24429 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 188.8  | 3.5       |
| 10°-20°   | 582.7  | 10.9      |
| 20°-30°   | 925.8  | 17.3      |
| 30°-40°   | 1028.7 | 19.2      |
| 40°-50°   | 935.5  | 17.5      |
| 50°-60°   | 764.5  | 14.3      |
| 60°-70°   | 545.7  | 10.2      |
| 70°-80°   | 300.3  | 5.6       |
| 80°-90°   | 81.1   | 1.5       |
| 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°    | 1697.3 | 31.7      |
| 0°-40°    | 2726.0 | 50.9      |
| 0°-60°    | 4425.9 | 82.7      |
| 0°-90°    | 5353.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5353.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1940 | 1940 | 1940 | 1940 | 1940 |      |
| 5°  | 1932 | 2276 | 1943 | 1710 | 1932 | 183  |
| 15° | 1845 | 3126 | 1858 | 1371 | 1845 | 521  |
| 25° | 1684 | 3319 | 1700 | 1114 | 1684 | 776  |
| 35° | 1461 | 1962 | 1477 | 987  | 1461 | 913  |
| 45° | 1165 | 1101 | 1180 | 882  | 1165 | 899  |
| 55° | 820  | 720  | 832  | 770  | 820  | 737  |
| 65° | 511  | 463  | 516  | 616  | 511  | 505  |
| 75° | 251  | 231  | 249  | 381  | 251  | 263  |
| 85° | 51   | 48   | 48   | 119  | 51   | 63   |
| 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°    | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 |
| 2.5°  | 1939.9 | 1959.2 | 1967.2 | 1973.6 | 1994.5 | 2001.0 | 2002.6 | 2012.2 | 2020.3 | 2021.9 | 2021.9 |
| 5°    | 1931.9 | 1962.4 | 1986.5 | 2009.0 | 2042.8 | 2057.2 | 2074.9 | 2094.2 | 2119.9 | 2136.0 | 2144.0 |
| 7.5°  | 1919.0 | 1964.0 | 2001.0 | 2039.5 | 2086.2 | 2115.1 | 2131.2 | 2182.6 | 2217.9 | 2246.9 | 2282.2 |
| 10°   | 1899.7 | 1957.6 | 2010.6 | 2066.9 | 2132.8 | 2168.1 | 2203.5 | 2266.2 | 2316.0 | 2372.2 | 2417.2 |
| 12.5° | 1870.8 | 1946.3 | 2010.6 | 2089.4 | 2171.3 | 2213.1 | 2254.9 | 2364.2 | 2422.1 | 2471.9 | 2552.2 |
| 15°   | 1845.1 | 1920.6 | 2012.2 | 2092.6 | 2193.8 | 2256.5 | 2317.6 | 2388.3 | 2479.9 | 2587.6 | 2664.7 |
| 17.5° | 1816.1 | 1911.0 | 1996.1 | 2108.7 | 2221.2 | 2280.6 | 2330.4 | 2439.7 | 2568.3 | 2674.4 | 2745.1 |
| 20°   | 1776.0 | 1872.4 | 1984.9 | 2103.8 | 2237.2 | 2283.8 | 2349.7 | 2496.0 | 2611.7 | 2716.2 | 2831.9 |
| 22.5° | 1729.4 | 1841.9 | 1960.8 | 2074.9 | 2213.1 | 2311.2 | 2383.5 | 2512.1 | 2651.9 | 2772.4 | 2902.6 |
| 25°   | 1684.3 | 1806.5 | 1911.0 | 2066.9 | 2213.1 | 2279.0 | 2361.0 | 2513.7 | 2666.4 | 2812.6 | 2946.0 |
| 27.5° | 1636.1 | 1750.2 | 1891.7 | 2015.4 | 2181.0 | 2253.3 | 2341.7 | 2508.8 | 2671.2 | 2817.4 | 2960.5 |
| 30°   | 1583.1 | 1705.2 | 1822.6 | 1968.8 | 2129.5 | 2222.8 | 2304.7 | 2486.3 | 2651.9 | 2804.6 | 2938.0 |
| 32.5° | 1523.6 | 1639.3 | 1764.7 | 1902.9 | 2071.7 | 2166.5 | 2269.4 | 2455.8 | 2632.6 | 2764.4 | 2867.3 |
| 35°   | 1460.9 | 1578.3 | 1687.6 | 1829.0 | 2002.6 | 2097.4 | 2197.0 | 2402.8 | 2578.0 | 2685.6 | 2745.1 |
| 37.5° | 1391.8 | 1502.7 | 1610.4 | 1750.2 | 1923.8 | 2025.1 | 2126.3 | 2325.6 | 2491.2 | 2581.2 | 2565.1 |
| 40°   | 1325.9 | 1425.6 | 1525.2 | 1657.0 | 1838.6 | 1946.3 | 2034.7 | 2235.6 | 2380.3 | 2418.8 | 2365.8 |
| 42.5° | 1250.4 | 1335.6 | 1432.0 | 1567.0 | 1743.8 | 1845.1 | 1956.0 | 2139.2 | 2246.9 | 2230.8 | 2140.8 |
| 45°   | 1165.2 | 1240.8 | 1337.2 | 1464.2 | 1644.2 | 1748.6 | 1841.9 | 2015.4 | 2094.2 | 2054.0 | 1890.1 |
| 47.5° | 1083.3 | 1157.2 | 1235.9 | 1362.9 | 1538.1 | 1626.5 | 1721.3 | 1877.2 | 1922.2 | 1837.0 | 1673.1 |
| 50°   | 994.9  | 1055.9 | 1137.9 | 1258.4 | 1422.4 | 1515.6 | 1594.3 | 1719.7 | 1735.8 | 1631.3 | 1460.9 |
| 52.5° | 909.7  | 961.1  | 1039.9 | 1158.8 | 1311.5 | 1385.4 | 1462.6 | 1573.5 | 1560.6 | 1452.9 | 1289.0 |
| 55°   | 819.7  | 867.9  | 940.2  | 1049.5 | 1184.5 | 1255.2 | 1321.1 | 1419.2 | 1391.8 | 1280.9 | 1137.9 |
| 57.5° | 744.1  | 777.9  | 848.6  | 949.9  | 1060.8 | 1137.9 | 1194.2 | 1271.3 | 1229.5 | 1118.6 | 985.2  |
| 60°   | 657.3  | 699.1  | 758.6  | 840.6  | 949.9  | 1001.3 | 1051.1 | 1102.5 | 1073.6 | 967.5  | 848.6  |
| 62.5° | 578.6  | 610.7  | 662.2  | 740.9  | 826.1  | 872.7  | 925.7  | 957.9  | 929.0  | 830.9  | 731.3  |
| 65°   | 511.1  | 536.8  | 577.0  | 641.3  | 723.2  | 761.8  | 792.4  | 822.9  | 798.8  | 707.2  | 634.8  |
| 67.5° | 437.2  | 459.7  | 493.4  | 544.8  | 614.0  | 641.3  | 670.2  | 691.1  | 663.8  | 602.7  | 532.0  |
| 70°   | 371.3  | 387.3  | 419.5  | 458.1  | 506.3  | 532.0  | 556.1  | 577.0  | 552.9  | 501.4  | 448.4  |
| 72.5° | 303.8  | 316.6  | 345.5  | 372.9  | 416.3  | 433.9  | 451.6  | 467.7  | 459.7  | 411.4  | 368.0  |
| 75°   | 250.7  | 255.5  | 274.8  | 297.3  | 324.7  | 343.9  | 356.8  | 366.4  | 360.0  | 321.4  | 294.1  |
| 77.5° | 189.7  | 196.1  | 210.5  | 228.2  | 252.3  | 263.6  | 271.6  | 281.3  | 273.2  | 242.7  | 223.4  |
| 80°   | 138.2  | 139.8  | 147.9  | 163.9  | 180.0  | 181.6  | 189.7  | 202.5  | 197.7  | 176.8  | 162.3  |
| 82.5° | 88.4   | 93.2   | 96.4   | 106.1  | 117.3  | 120.5  | 125.4  | 128.6  | 127.0  | 114.1  | 109.3  |
| 85°   | 51.4   | 51.4   | 54.6   | 61.1   | 64.3   | 69.1   | 70.7   | 72.3   | 75.5   | 67.5   | 62.7   |
| 87.5° | 22.5   | 24.1   | 24.1   | 25.7   | 28.9   | 28.9   | 30.5   | 32.1   | 33.8   | 32.1   | 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):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 |
| 2.5°  | 2026.7 | 2055.6 | 2068.5 | 2071.7 | 2089.4 | 2078.1 | 2082.9 | 2081.3 | 2094.2 | 2095.8 | 2095.8 |
| 5°    | 2174.5 | 2208.3 | 2219.5 | 2235.6 | 2259.7 | 2266.2 | 2261.3 | 2271.0 | 2288.7 | 2275.8 | 2295.1 |
| 7.5°  | 2330.4 | 2367.4 | 2393.1 | 2428.5 | 2436.5 | 2457.4 | 2470.3 | 2481.5 | 2484.7 | 2486.3 | 2489.6 |
| 10°   | 2475.1 | 2521.7 | 2557.1 | 2616.5 | 2629.4 | 2640.6 | 2696.9 | 2674.4 | 2703.3 | 2693.7 | 2696.9 |
| 12.5° | 2592.4 | 2684.0 | 2713.0 | 2812.6 | 2822.2 | 2860.8 | 2857.6 | 2893.0 | 2899.4 | 2912.3 | 2899.4 |
| 15°   | 2746.7 | 2852.8 | 2899.4 | 2955.6 | 2987.8 | 3032.8 | 3040.8 | 3089.0 | 3108.3 | 3126.0 | 3108.3 |
| 17.5° | 2888.1 | 2944.4 | 3063.3 | 3108.3 | 3129.2 | 3153.3 | 3214.4 | 3232.1 | 3261.0 | 3249.8 | 3281.9 |
| 20°   | 2958.9 | 3039.2 | 3164.6 | 3241.7 | 3273.9 | 3296.4 | 3347.8 | 3375.1 | 3386.4 | 3386.4 | 3389.6 |
| 22.5° | 3021.5 | 3137.3 | 3230.5 | 3318.9 | 3347.8 | 3363.9 | 3394.4 | 3415.3 | 3420.1 | 3423.3 | 3426.6 |
| 25°   | 3077.8 | 3182.3 | 3257.8 | 3307.6 | 3318.9 | 3318.9 | 3336.6 | 3323.7 | 3302.8 | 3318.9 | 3328.5 |
| 27.5° | 3077.8 | 3151.7 | 3185.5 | 3203.2 | 3203.2 | 3159.8 | 3134.0 | 3081.0 | 3036.0 | 3023.2 | 3052.1 |
| 30°   | 3026.4 | 3060.1 | 3013.5 | 2970.1 | 2936.4 | 2907.4 | 2806.2 | 2725.8 | 2709.7 | 2698.5 | 2741.9 |
| 32.5° | 2907.4 | 2864.0 | 2772.4 | 2647.1 | 2597.2 | 2531.3 | 2452.6 | 2391.5 | 2354.6 | 2341.7 | 2332.1 |
| 35°   | 2696.9 | 2584.4 | 2465.5 | 2296.7 | 2261.3 | 2177.8 | 2070.1 | 2025.1 | 1964.0 | 1962.4 | 1983.3 |
| 37.5° | 2467.1 | 2293.5 | 2164.9 | 2004.2 | 1954.4 | 1866.0 | 1764.7 | 1718.1 | 1676.3 | 1644.2 | 1682.7 |
| 40°   | 2198.7 | 2047.6 | 1851.5 | 1719.7 | 1649.0 | 1602.4 | 1517.2 | 1465.8 | 1446.5 | 1430.4 | 1454.5 |
| 42.5° | 1947.9 | 1782.4 | 1629.7 | 1494.7 | 1436.8 | 1383.8 | 1327.6 | 1277.7 | 1263.3 | 1261.7 | 1279.3 |
| 45°   | 1698.8 | 1536.5 | 1395.1 | 1279.3 | 1242.4 | 1210.2 | 1155.6 | 1141.1 | 1117.0 | 1100.9 | 1109.0 |
| 47.5° | 1499.5 | 1332.4 | 1215.0 | 1126.6 | 1094.5 | 1067.2 | 1031.8 | 1007.7 | 986.8  | 980.4  | 990.0  |
| 50°   | 1303.4 | 1190.9 | 1070.4 | 996.5  | 972.4  | 946.6  | 919.3  | 896.8  | 887.2  | 880.7  | 887.2  |
| 52.5° | 1145.9 | 1025.4 | 943.4  | 884.0  | 859.9  | 840.6  | 821.3  | 811.6  | 798.8  | 802.0  | 808.4  |
| 55°   | 1004.5 | 898.4  | 829.3  | 785.9  | 771.5  | 763.4  | 739.3  | 728.1  | 723.2  | 720.0  | 723.2  |
| 57.5° | 871.1  | 794.0  | 742.5  | 705.6  | 686.3  | 681.5  | 662.2  | 662.2  | 657.3  | 652.5  | 654.1  |
| 60°   | 765.0  | 699.1  | 649.3  | 620.4  | 617.2  | 609.1  | 596.3  | 594.7  | 583.4  | 588.2  | 589.8  |
| 62.5° | 657.3  | 604.3  | 570.6  | 552.9  | 541.6  | 538.4  | 530.4  | 528.8  | 523.9  | 525.6  | 522.3  |
| 65°   | 572.2  | 528.8  | 495.0  | 480.6  | 475.7  | 474.1  | 467.7  | 462.9  | 459.7  | 462.9  | 459.7  |
| 67.5° | 487.0  | 458.1  | 432.3  | 417.9  | 411.4  | 409.8  | 405.0  | 401.8  | 403.4  | 398.6  | 401.8  |
| 70°   | 406.6  | 377.7  | 361.6  | 353.6  | 350.4  | 345.5  | 345.5  | 345.5  | 345.5  | 342.3  | 340.7  |
| 72.5° | 342.3  | 313.4  | 302.2  | 297.3  | 294.1  | 292.5  | 287.7  | 289.3  | 287.7  | 286.1  | 292.5  |
| 75°   | 271.6  | 253.9  | 242.7  | 237.9  | 241.1  | 236.3  | 231.4  | 234.7  | 229.8  | 231.4  | 237.9  |
| 77.5° | 205.7  | 197.7  | 191.3  | 188.0  | 184.8  | 181.6  | 181.6  | 178.4  | 178.4  | 178.4  | 178.4  |
| 80°   | 149.5  | 147.9  | 136.6  | 135.0  | 135.0  | 131.8  | 131.8  | 131.8  | 131.8  | 130.2  | 131.8  |
| 82.5° | 99.6   | 98.0   | 94.8   | 93.2   | 90.0   | 91.6   | 91.6   | 88.4   | 88.4   | 86.8   | 88.4   |
| 85°   | 57.9   | 57.9   | 54.6   | 53.0   | 51.4   | 53.0   | 49.8   | 48.2   | 49.8   | 48.2   | 49.8   |
| 87.5° | 27.3   | 24.1   | 25.7   | 24.1   | 20.9   | 22.5   | 19.3   | 20.9   | 19.3   | 17.7   | 20.9   |
| 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°    | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 |
| 2.5°  | 2092.6 | 2087.8 | 2081.3 | 2081.3 | 2073.3 | 2073.3 | 2060.4 | 2037.9 | 2018.6 | 2012.2 | 2015.4 |
| 5°    | 2271.0 | 2272.6 | 2262.9 | 2254.9 | 2240.4 | 2229.2 | 2208.3 | 2168.1 | 2155.3 | 2129.5 | 2111.9 |
| 7.5°  | 2475.1 | 2468.7 | 2451.0 | 2438.1 | 2434.9 | 2409.2 | 2364.2 | 2316.0 | 2277.4 | 2251.7 | 2214.7 |
| 10°   | 2704.9 | 2679.2 | 2653.5 | 2645.5 | 2626.2 | 2582.8 | 2531.3 | 2478.3 | 2425.3 | 2369.0 | 2306.3 |
| 12.5° | 2897.8 | 2848.0 | 2846.4 | 2827.1 | 2790.1 | 2766.0 | 2704.9 | 2629.4 | 2537.8 | 2475.1 | 2404.4 |
| 15°   | 3105.1 | 3058.5 | 3019.9 | 2984.6 | 2966.9 | 2896.2 | 2844.8 | 2749.9 | 2640.6 | 2573.1 | 2524.9 |
| 17.5° | 3253.0 | 3232.1 | 3166.2 | 3150.1 | 3126.0 | 3044.0 | 2962.1 | 2868.9 | 2774.0 | 2679.2 | 2549.0 |
| 20°   | 3371.9 | 3359.1 | 3315.7 | 3293.2 | 3254.6 | 3190.3 | 3090.7 | 2983.0 | 2873.7 | 2738.7 | 2616.5 |
| 22.5° | 3423.3 | 3407.3 | 3371.9 | 3352.6 | 3328.5 | 3273.9 | 3188.7 | 3066.5 | 2923.5 | 2803.0 | 2672.8 |
| 25°   | 3322.1 | 3351.0 | 3341.4 | 3333.3 | 3323.7 | 3291.6 | 3227.3 | 3119.6 | 2979.8 | 2843.1 | 2680.8 |
| 27.5° | 3093.9 | 3143.7 | 3191.9 | 3198.3 | 3214.4 | 3227.3 | 3201.5 | 3124.4 | 3007.1 | 2862.4 | 2684.0 |
| 30°   | 2786.9 | 2809.4 | 2907.4 | 2936.4 | 2958.9 | 3040.8 | 3089.0 | 3069.8 | 2979.8 | 2849.6 | 2685.6 |
| 32.5° | 2393.1 | 2452.6 | 2552.2 | 2621.3 | 2682.4 | 2774.0 | 2899.4 | 2949.2 | 2917.1 | 2811.0 | 2648.7 |
| 35°   | 2020.3 | 2091.0 | 2206.7 | 2295.1 | 2356.2 | 2486.3 | 2634.2 | 2741.9 | 2782.1 | 2729.0 | 2584.4 |
| 37.5° | 1714.9 | 1800.1 | 1902.9 | 1936.7 | 2007.4 | 2168.1 | 2372.2 | 2521.7 | 2619.7 | 2624.6 | 2512.1 |
| 40°   | 1485.1 | 1528.5 | 1610.4 | 1661.8 | 1731.0 | 1866.0 | 2065.3 | 2262.9 | 2410.8 | 2460.6 | 2401.2 |
| 42.5° | 1290.6 | 1324.3 | 1385.4 | 1448.1 | 1510.8 | 1613.6 | 1796.9 | 1981.7 | 2181.0 | 2280.6 | 2279.0 |
| 45°   | 1136.3 | 1171.7 | 1213.4 | 1264.9 | 1308.3 | 1419.2 | 1563.8 | 1753.5 | 1925.4 | 2079.7 | 2118.3 |
| 47.5° | 1001.3 | 1031.8 | 1083.3 | 1105.8 | 1134.7 | 1239.2 | 1364.5 | 1541.3 | 1719.7 | 1896.5 | 1941.5 |
| 50°   | 901.6  | 927.4  | 962.7  | 977.2  | 1009.3 | 1086.5 | 1189.3 | 1332.4 | 1530.1 | 1692.4 | 1776.0 |
| 52.5° | 811.6  | 830.9  | 858.2  | 869.5  | 892.0  | 949.9  | 1043.1 | 1155.6 | 1319.5 | 1486.7 | 1604.0 |
| 55°   | 734.5  | 747.3  | 766.6  | 779.5  | 795.6  | 847.0  | 916.1  | 1017.4 | 1158.8 | 1303.4 | 1417.6 |
| 57.5° | 662.2  | 671.8  | 691.1  | 697.5  | 710.4  | 750.6  | 798.8  | 884.0  | 1014.1 | 1142.7 | 1253.6 |
| 60°   | 594.7  | 601.1  | 612.3  | 626.8  | 636.5  | 663.8  | 708.8  | 779.5  | 884.0  | 1001.3 | 1091.3 |
| 62.5° | 530.4  | 540.0  | 543.2  | 549.7  | 557.7  | 583.4  | 618.8  | 670.2  | 761.8  | 858.2  | 953.1  |
| 65°   | 464.5  | 472.5  | 478.9  | 480.6  | 488.6  | 507.9  | 540.0  | 585.0  | 644.5  | 728.1  | 816.5  |
| 67.5° | 403.4  | 408.2  | 411.4  | 417.9  | 425.9  | 435.6  | 461.3  | 495.0  | 549.7  | 617.2  | 687.9  |
| 70°   | 347.2  | 347.2  | 352.0  | 353.6  | 363.2  | 374.5  | 385.7  | 417.9  | 466.1  | 520.7  | 569.0  |
| 72.5° | 286.1  | 294.1  | 292.5  | 300.5  | 298.9  | 307.0  | 321.4  | 342.3  | 377.7  | 421.1  | 467.7  |
| 75°   | 233.0  | 237.9  | 237.9  | 237.9  | 241.1  | 247.5  | 255.5  | 274.8  | 302.2  | 337.5  | 364.8  |
| 77.5° | 181.6  | 184.8  | 184.8  | 184.8  | 186.4  | 192.9  | 200.9  | 213.8  | 233.0  | 253.9  | 270.0  |
| 80°   | 130.2  | 133.4  | 133.4  | 136.6  | 136.6  | 138.2  | 146.3  | 152.7  | 162.3  | 178.4  | 194.5  |
| 82.5° | 88.4   | 90.0   | 93.2   | 93.2   | 91.6   | 94.8   | 96.4   | 102.9  | 112.5  | 115.7  | 127.0  |
| 85°   | 48.2   | 49.8   | 51.4   | 51.4   | 53.0   | 56.3   | 54.6   | 61.1   | 61.1   | 67.5   | 70.7   |
| 87.5° | 19.3   | 22.5   | 22.5   | 20.9   | 22.5   | 22.5   | 22.5   | 25.7   | 27.3   | 28.9   | 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):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 |
| 2.5°  | 2001.0 | 1994.5 | 1989.7 | 1989.7 | 1975.3 | 1960.8 | 1952.8 | 1949.5 | 1946.3 | 1933.5 | 1915.8 |
| 5°    | 2082.9 | 2062.0 | 2047.6 | 2033.1 | 2009.0 | 1983.3 | 1957.6 | 1943.1 | 1922.2 | 1893.3 | 1872.4 |
| 7.5°  | 2174.5 | 2124.7 | 2108.7 | 2091.0 | 2042.8 | 1999.4 | 1964.0 | 1933.5 | 1899.7 | 1862.7 | 1825.8 |
| 10°   | 2251.7 | 2198.7 | 2163.3 | 2132.8 | 2070.1 | 2012.2 | 1959.2 | 1914.2 | 1870.8 | 1822.6 | 1777.6 |
| 12.5° | 2325.6 | 2250.1 | 2213.1 | 2168.1 | 2102.2 | 2018.6 | 1949.5 | 1893.3 | 1829.0 | 1779.2 | 1724.5 |
| 15°   | 2428.5 | 2301.5 | 2240.4 | 2211.5 | 2123.1 | 2025.1 | 1941.5 | 1857.9 | 1804.9 | 1729.4 | 1681.1 |
| 17.5° | 2444.6 | 2341.7 | 2301.5 | 2227.6 | 2121.5 | 2010.6 | 1914.2 | 1830.6 | 1750.2 | 1682.7 | 1620.1 |
| 20°   | 2500.8 | 2365.8 | 2301.5 | 2254.9 | 2115.1 | 2002.6 | 1896.5 | 1788.8 | 1711.7 | 1639.3 | 1568.6 |
| 22.5° | 2536.2 | 2383.5 | 2316.0 | 2242.0 | 2108.7 | 1973.6 | 1848.3 | 1755.1 | 1660.2 | 1586.3 | 1530.1 |
| 25°   | 2526.5 | 2373.8 | 2298.3 | 2229.2 | 2066.9 | 1931.9 | 1819.4 | 1700.4 | 1612.0 | 1531.7 | 1457.7 |
| 27.5° | 2521.7 | 2349.7 | 2269.4 | 2192.2 | 2039.5 | 1898.1 | 1756.7 | 1660.2 | 1562.2 | 1469.0 | 1414.3 |
| 30°   | 2508.8 | 2319.2 | 2226.0 | 2142.4 | 1983.3 | 1835.4 | 1714.9 | 1602.4 | 1504.3 | 1419.2 | 1346.8 |
| 32.5° | 2465.5 | 2267.8 | 2177.8 | 2087.8 | 1922.2 | 1774.4 | 1652.2 | 1547.7 | 1449.7 | 1361.3 | 1292.2 |
| 35°   | 2407.6 | 2206.7 | 2108.7 | 2013.8 | 1848.3 | 1698.8 | 1586.3 | 1477.0 | 1385.4 | 1300.2 | 1234.3 |
| 37.5° | 2349.7 | 2136.0 | 2044.4 | 1935.1 | 1782.4 | 1626.5 | 1510.8 | 1412.7 | 1327.6 | 1239.2 | 1166.8 |
| 40°   | 2266.2 | 2052.4 | 1951.1 | 1857.9 | 1679.5 | 1533.3 | 1427.2 | 1338.8 | 1255.2 | 1171.7 | 1110.6 |
| 42.5° | 2152.0 | 1960.8 | 1856.3 | 1753.5 | 1586.3 | 1441.7 | 1338.8 | 1260.0 | 1181.3 | 1112.2 | 1044.7 |
| 45°   | 2036.3 | 1849.9 | 1756.7 | 1665.1 | 1483.4 | 1346.8 | 1252.0 | 1179.7 | 1113.8 | 1038.3 | 983.6  |
| 47.5° | 1896.5 | 1739.0 | 1645.8 | 1555.8 | 1383.8 | 1247.2 | 1160.4 | 1092.9 | 1031.8 | 969.1  | 917.7  |
| 50°   | 1753.5 | 1616.8 | 1531.7 | 1438.4 | 1274.5 | 1150.8 | 1065.6 | 1009.3 | 959.5  | 900.0  | 858.2  |
| 52.5° | 1599.2 | 1480.2 | 1407.9 | 1317.9 | 1173.3 | 1059.1 | 972.4  | 916.1  | 874.3  | 830.9  | 794.0  |
| 55°   | 1435.2 | 1348.4 | 1271.3 | 1199.0 | 1062.4 | 959.5  | 882.4  | 832.5  | 803.6  | 763.4  | 731.3  |
| 57.5° | 1287.4 | 1203.8 | 1157.2 | 1075.2 | 956.3  | 855.0  | 794.0  | 752.2  | 718.4  | 694.3  | 668.6  |
| 60°   | 1133.1 | 1065.6 | 1014.1 | 954.7  | 850.2  | 765.0  | 700.7  | 676.6  | 641.3  | 623.6  | 612.3  |
| 62.5° | 985.2  | 937.0  | 888.8  | 843.8  | 750.6  | 670.2  | 622.0  | 591.5  | 570.6  | 552.9  | 543.2  |
| 65°   | 845.4  | 800.4  | 766.6  | 726.5  | 649.3  | 585.0  | 540.0  | 515.9  | 495.0  | 490.2  | 478.9  |
| 67.5° | 708.8  | 689.5  | 652.5  | 620.4  | 554.5  | 504.7  | 470.9  | 440.4  | 429.1  | 424.3  | 414.7  |
| 70°   | 593.1  | 570.6  | 541.6  | 514.3  | 464.5  | 421.1  | 390.6  | 379.3  | 363.2  | 361.6  | 350.4  |
| 72.5° | 488.6  | 461.3  | 440.4  | 419.5  | 382.5  | 343.9  | 327.9  | 311.8  | 303.8  | 297.3  | 292.5  |
| 75°   | 387.3  | 368.0  | 353.6  | 335.9  | 303.8  | 278.0  | 255.5  | 249.1  | 244.3  | 242.7  | 239.5  |
| 77.5° | 289.3  | 276.4  | 270.0  | 252.3  | 229.8  | 207.3  | 197.7  | 188.0  | 188.0  | 184.8  | 186.4  |
| 80°   | 205.7  | 197.7  | 189.7  | 180.0  | 160.7  | 151.1  | 143.0  | 136.6  | 133.4  | 131.8  | 133.4  |
| 82.5° | 130.2  | 125.4  | 123.8  | 117.3  | 104.5  | 99.6   | 93.2   | 88.4   | 88.4   | 88.4   | 88.4   |
| 85°   | 72.3   | 72.3   | 72.3   | 62.7   | 57.9   | 53.0   | 49.8   | 48.2   | 48.2   | 48.2   | 49.8   |
| 87.5° | 30.5   | 30.5   | 25.7   | 25.7   | 24.1   | 20.9   | 19.3   | 19.3   | 20.9   | 20.9   | 22.5   |
| 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°    | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 |
| 2.5°  | 1911.0 | 1904.5 | 1907.8 | 1891.7 | 1877.2 | 1856.3 | 1838.6 | 1835.4 | 1832.2 | 1841.9 | 1835.4 |
| 5°    | 1856.3 | 1848.3 | 1840.2 | 1821.0 | 1792.0 | 1774.4 | 1748.6 | 1747.0 | 1737.4 | 1722.9 | 1726.1 |
| 7.5°  | 1796.9 | 1792.0 | 1780.8 | 1750.2 | 1724.5 | 1694.0 | 1673.1 | 1655.4 | 1647.4 | 1634.5 | 1629.7 |
| 10°   | 1748.6 | 1731.0 | 1721.3 | 1687.6 | 1657.0 | 1624.9 | 1597.6 | 1584.7 | 1570.2 | 1559.0 | 1551.0 |
| 12.5° | 1682.7 | 1677.9 | 1650.6 | 1623.3 | 1597.6 | 1560.6 | 1539.7 | 1502.7 | 1483.4 | 1493.1 | 1489.9 |
| 15°   | 1639.3 | 1616.8 | 1610.4 | 1571.8 | 1528.5 | 1504.3 | 1465.8 | 1441.7 | 1433.6 | 1419.2 | 1401.5 |
| 17.5° | 1581.5 | 1567.0 | 1544.5 | 1509.2 | 1459.3 | 1425.6 | 1398.3 | 1375.8 | 1366.1 | 1346.8 | 1332.4 |
| 20°   | 1526.8 | 1502.7 | 1485.1 | 1452.9 | 1404.7 | 1361.3 | 1327.6 | 1313.1 | 1289.0 | 1272.9 | 1264.9 |
| 22.5° | 1477.0 | 1459.3 | 1433.6 | 1385.4 | 1343.6 | 1301.8 | 1261.7 | 1240.8 | 1218.3 | 1208.6 | 1195.8 |
| 25°   | 1415.9 | 1387.0 | 1369.3 | 1316.3 | 1271.3 | 1237.5 | 1200.6 | 1173.3 | 1160.4 | 1144.3 | 1141.1 |
| 27.5° | 1356.5 | 1329.2 | 1308.3 | 1261.7 | 1207.0 | 1163.6 | 1141.1 | 1121.8 | 1099.3 | 1099.3 | 1091.3 |
| 30°   | 1297.0 | 1277.7 | 1245.6 | 1200.6 | 1149.2 | 1107.4 | 1081.6 | 1064.0 | 1055.9 | 1049.5 | 1047.9 |
| 32.5° | 1237.5 | 1211.8 | 1192.5 | 1131.5 | 1092.9 | 1054.3 | 1035.0 | 1020.6 | 1010.9 | 1009.3 | 1010.9 |
| 35°   | 1176.5 | 1147.5 | 1128.3 | 1073.6 | 1035.0 | 999.7  | 991.6  | 978.8  | 974.0  | 972.4  | 980.4  |
| 37.5° | 1112.2 | 1089.7 | 1065.6 | 1020.6 | 977.2  | 956.3  | 940.2  | 935.4  | 933.8  | 943.4  | 946.6  |
| 40°   | 1052.7 | 1033.4 | 1010.9 | 962.7  | 930.6  | 908.1  | 900.0  | 895.2  | 901.6  | 911.3  | 916.1  |
| 42.5° | 996.5  | 969.1  | 951.5  | 908.1  | 879.1  | 866.3  | 856.6  | 856.6  | 863.1  | 874.3  | 882.4  |
| 45°   | 937.0  | 916.1  | 898.4  | 859.9  | 834.1  | 819.7  | 818.1  | 819.7  | 827.7  | 835.7  | 845.4  |
| 47.5° | 879.1  | 858.2  | 839.0  | 806.8  | 784.3  | 776.3  | 774.7  | 776.3  | 789.1  | 800.4  | 811.6  |
| 50°   | 826.1  | 803.6  | 785.9  | 755.4  | 737.7  | 728.1  | 729.7  | 737.7  | 747.3  | 763.4  | 777.9  |
| 52.5° | 763.4  | 747.3  | 731.3  | 704.0  | 687.9  | 681.5  | 686.3  | 692.7  | 710.4  | 721.6  | 739.3  |
| 55°   | 702.3  | 687.9  | 675.0  | 654.1  | 641.3  | 636.5  | 639.7  | 649.3  | 663.8  | 683.1  | 704.0  |
| 57.5° | 646.1  | 630.0  | 617.2  | 602.7  | 588.2  | 589.8  | 591.5  | 604.3  | 622.0  | 639.7  | 663.8  |
| 60°   | 583.4  | 573.8  | 562.5  | 544.8  | 538.4  | 538.4  | 543.2  | 557.7  | 573.8  | 602.7  | 623.6  |
| 62.5° | 527.2  | 514.3  | 506.3  | 495.0  | 485.4  | 487.0  | 498.2  | 511.1  | 530.4  | 554.5  | 581.8  |
| 65°   | 469.3  | 454.8  | 448.4  | 438.8  | 435.6  | 437.2  | 445.2  | 464.5  | 485.4  | 506.3  | 532.0  |
| 67.5° | 405.0  | 400.2  | 393.8  | 384.1  | 387.3  | 388.9  | 397.0  | 413.1  | 435.6  | 456.4  | 485.4  |
| 70°   | 350.4  | 340.7  | 339.1  | 331.1  | 331.1  | 335.9  | 352.0  | 363.2  | 384.1  | 406.6  | 437.2  |
| 72.5° | 292.5  | 284.5  | 284.5  | 278.0  | 282.9  | 287.7  | 295.7  | 311.8  | 331.1  | 353.6  | 379.3  |
| 75°   | 233.0  | 229.8  | 233.0  | 229.8  | 229.8  | 237.9  | 247.5  | 260.4  | 281.3  | 305.4  | 326.3  |
| 77.5° | 180.0  | 180.0  | 178.4  | 183.2  | 183.2  | 188.0  | 200.9  | 213.8  | 229.8  | 249.1  | 271.6  |
| 80°   | 131.8  | 131.8  | 131.8  | 136.6  | 141.4  | 141.4  | 149.5  | 165.5  | 180.0  | 192.9  | 213.8  |
| 82.5° | 90.0   | 90.0   | 90.0   | 93.2   | 99.6   | 99.6   | 109.3  | 118.9  | 135.0  | 146.3  | 155.9  |
| 85°   | 54.6   | 54.6   | 53.0   | 56.3   | 57.9   | 62.7   | 70.7   | 77.1   | 85.2   | 94.8   | 104.5  |
| 87.5° | 24.1   | 24.1   | 25.7   | 27.3   | 28.9   | 32.1   | 35.4   | 38.6   | 46.6   | 49.8   | 54.6   |
| 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):**

|       | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 |
| 2.5°  | 1830.6 | 1829.0 | 1821.0 | 1824.2 | 1814.5 | 1817.7 | 1822.6 | 1824.2 | 1830.6 | 1825.8 | 1824.2 |
| 5°    | 1718.1 | 1714.9 | 1710.1 | 1705.2 | 1703.6 | 1710.1 | 1698.8 | 1702.0 | 1705.2 | 1710.1 | 1716.5 |
| 7.5°  | 1626.5 | 1624.9 | 1620.1 | 1612.0 | 1608.8 | 1605.6 | 1607.2 | 1618.5 | 1616.8 | 1615.2 | 1626.5 |
| 10°   | 1542.9 | 1544.5 | 1534.9 | 1533.3 | 1523.6 | 1522.0 | 1523.6 | 1526.8 | 1531.7 | 1538.1 | 1539.7 |
| 12.5° | 1456.1 | 1477.0 | 1459.3 | 1452.9 | 1438.4 | 1446.5 | 1449.7 | 1435.2 | 1443.3 | 1448.1 | 1472.2 |
| 15°   | 1401.5 | 1391.8 | 1380.6 | 1380.6 | 1374.2 | 1370.9 | 1362.9 | 1374.2 | 1380.6 | 1390.2 | 1387.0 |
| 17.5° | 1325.9 | 1309.9 | 1303.4 | 1297.0 | 1298.6 | 1305.0 | 1287.4 | 1313.1 | 1313.1 | 1317.9 | 1309.9 |
| 20°   | 1260.0 | 1247.2 | 1239.2 | 1235.9 | 1231.1 | 1227.9 | 1226.3 | 1232.7 | 1242.4 | 1245.6 | 1253.6 |
| 22.5° | 1190.9 | 1190.9 | 1178.1 | 1173.3 | 1170.0 | 1165.2 | 1173.3 | 1168.4 | 1174.9 | 1181.3 | 1194.2 |
| 25°   | 1133.1 | 1133.1 | 1128.3 | 1121.8 | 1117.0 | 1113.8 | 1118.6 | 1117.0 | 1121.8 | 1129.9 | 1133.1 |
| 27.5° | 1086.5 | 1081.6 | 1080.0 | 1078.4 | 1076.8 | 1078.4 | 1076.8 | 1081.6 | 1086.5 | 1088.1 | 1084.9 |
| 30°   | 1046.3 | 1041.5 | 1043.1 | 1043.1 | 1044.7 | 1043.1 | 1041.5 | 1046.3 | 1047.9 | 1044.7 | 1046.3 |
| 32.5° | 1009.3 | 1009.3 | 1012.5 | 1014.1 | 1014.1 | 1015.8 | 1017.4 | 1014.1 | 1015.8 | 1010.9 | 1012.5 |
| 35°   | 978.8  | 982.0  | 985.2  | 986.8  | 988.4  | 986.8  | 990.0  | 988.4  | 985.2  | 982.0  | 980.4  |
| 37.5° | 948.3  | 951.5  | 957.9  | 959.5  | 964.3  | 965.9  | 962.7  | 962.7  | 961.1  | 954.7  | 951.5  |
| 40°   | 916.1  | 919.3  | 927.4  | 932.2  | 935.4  | 940.2  | 937.0  | 937.0  | 930.6  | 924.1  | 919.3  |
| 42.5° | 885.6  | 892.0  | 900.0  | 904.9  | 911.3  | 911.3  | 911.3  | 908.1  | 900.0  | 893.6  | 888.8  |
| 45°   | 855.0  | 856.6  | 867.9  | 875.9  | 882.4  | 882.4  | 882.4  | 877.5  | 872.7  | 859.9  | 853.4  |
| 47.5° | 821.3  | 826.1  | 839.0  | 847.0  | 853.4  | 855.0  | 855.0  | 850.2  | 840.6  | 829.3  | 821.3  |
| 50°   | 784.3  | 792.4  | 806.8  | 818.1  | 826.1  | 829.3  | 824.5  | 821.3  | 810.0  | 797.2  | 787.5  |
| 52.5° | 749.0  | 758.6  | 776.3  | 785.9  | 797.2  | 798.8  | 797.2  | 792.4  | 779.5  | 761.8  | 753.8  |
| 55°   | 713.6  | 721.6  | 740.9  | 757.0  | 766.6  | 769.9  | 766.6  | 758.6  | 742.5  | 724.8  | 716.8  |
| 57.5° | 675.0  | 686.3  | 707.2  | 723.2  | 734.5  | 736.1  | 732.9  | 724.8  | 712.0  | 689.5  | 678.2  |
| 60°   | 634.8  | 649.3  | 670.2  | 686.3  | 700.7  | 702.3  | 699.1  | 687.9  | 671.8  | 649.3  | 639.7  |
| 62.5° | 594.7  | 605.9  | 630.0  | 647.7  | 659.0  | 667.0  | 660.6  | 649.3  | 633.2  | 610.7  | 596.3  |
| 65°   | 548.1  | 564.1  | 585.0  | 601.1  | 614.0  | 615.6  | 612.3  | 602.7  | 585.0  | 560.9  | 549.7  |
| 67.5° | 503.1  | 514.3  | 535.2  | 556.1  | 560.9  | 565.7  | 560.9  | 551.3  | 536.8  | 515.9  | 499.8  |
| 70°   | 448.4  | 458.1  | 483.8  | 498.2  | 504.7  | 509.5  | 506.3  | 496.6  | 483.8  | 464.5  | 451.6  |
| 72.5° | 393.8  | 401.8  | 425.9  | 437.2  | 450.0  | 448.4  | 446.8  | 440.4  | 422.7  | 409.8  | 401.8  |
| 75°   | 335.9  | 345.5  | 361.6  | 376.1  | 380.9  | 380.9  | 380.9  | 376.1  | 364.8  | 343.9  | 335.9  |
| 77.5° | 282.9  | 287.7  | 300.5  | 308.6  | 313.4  | 315.0  | 313.4  | 305.4  | 298.9  | 284.5  | 279.7  |
| 80°   | 217.0  | 229.8  | 239.5  | 241.1  | 247.5  | 247.5  | 247.5  | 244.3  | 237.9  | 223.4  | 221.8  |
| 82.5° | 163.9  | 167.1  | 176.8  | 181.6  | 184.8  | 183.2  | 183.2  | 176.8  | 175.2  | 167.1  | 163.9  |
| 85°   | 110.9  | 115.7  | 114.1  | 120.5  | 122.1  | 118.9  | 118.9  | 122.1  | 114.1  | 115.7  | 110.9  |
| 87.5° | 61.1   | 61.1   | 64.3   | 62.7   | 69.1   | 69.1   | 65.9   | 67.5   | 64.3   | 62.7   | 61.1   |
| 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):**

|       | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 |
| 2.5°  | 1824.2 | 1833.8 | 1824.2 | 1830.6 | 1833.8 | 1841.9 | 1845.1 | 1859.5 | 1864.4 | 1875.6 | 1875.6 |
| 5°    | 1714.9 | 1719.7 | 1721.3 | 1727.7 | 1734.2 | 1750.2 | 1761.5 | 1782.4 | 1806.5 | 1809.7 | 1824.2 |
| 7.5°  | 1626.5 | 1634.5 | 1647.4 | 1642.6 | 1653.8 | 1677.9 | 1692.4 | 1718.1 | 1742.2 | 1755.1 | 1772.7 |
| 10°   | 1547.7 | 1557.4 | 1562.2 | 1567.0 | 1587.9 | 1608.8 | 1631.3 | 1649.0 | 1681.1 | 1700.4 | 1714.9 |
| 12.5° | 1483.4 | 1475.4 | 1485.1 | 1502.7 | 1526.8 | 1539.7 | 1570.2 | 1597.6 | 1621.7 | 1642.6 | 1655.4 |
| 15°   | 1399.9 | 1406.3 | 1415.9 | 1446.5 | 1452.9 | 1485.1 | 1496.3 | 1526.8 | 1571.8 | 1591.1 | 1607.2 |
| 17.5° | 1319.5 | 1340.4 | 1359.7 | 1370.9 | 1390.2 | 1415.9 | 1448.1 | 1481.8 | 1510.8 | 1533.3 | 1552.6 |
| 20°   | 1255.2 | 1276.1 | 1287.4 | 1295.4 | 1314.7 | 1350.1 | 1380.6 | 1422.4 | 1459.3 | 1477.0 | 1502.7 |
| 22.5° | 1203.8 | 1203.8 | 1219.9 | 1244.0 | 1255.2 | 1289.0 | 1314.7 | 1359.7 | 1399.9 | 1422.4 | 1446.5 |
| 25°   | 1139.5 | 1149.2 | 1162.0 | 1182.9 | 1199.0 | 1226.3 | 1263.3 | 1301.8 | 1345.2 | 1364.5 | 1395.1 |
| 27.5° | 1086.5 | 1097.7 | 1115.4 | 1120.2 | 1136.3 | 1160.4 | 1199.0 | 1240.8 | 1285.8 | 1306.7 | 1332.4 |
| 30°   | 1046.3 | 1052.7 | 1059.1 | 1068.8 | 1083.3 | 1104.1 | 1136.3 | 1173.3 | 1227.9 | 1244.0 | 1276.1 |
| 32.5° | 1010.9 | 1014.1 | 1017.4 | 1025.4 | 1033.4 | 1054.3 | 1080.0 | 1120.2 | 1165.2 | 1189.3 | 1218.3 |
| 35°   | 978.8  | 975.6  | 977.2  | 982.0  | 990.0  | 998.1  | 1025.4 | 1059.1 | 1100.9 | 1129.9 | 1152.4 |
| 37.5° | 948.3  | 941.8  | 940.2  | 940.2  | 943.4  | 953.1  | 974.0  | 1002.9 | 1047.9 | 1072.0 | 1094.5 |
| 40°   | 914.5  | 908.1  | 904.9  | 903.2  | 901.6  | 908.1  | 924.1  | 953.1  | 988.4  | 1010.9 | 1036.6 |
| 42.5° | 882.4  | 875.9  | 867.9  | 866.3  | 863.1  | 866.3  | 877.5  | 904.9  | 935.4  | 957.9  | 978.8  |
| 45°   | 850.2  | 839.0  | 829.3  | 822.9  | 824.5  | 819.7  | 827.7  | 848.6  | 884.0  | 898.4  | 919.3  |
| 47.5° | 814.9  | 802.0  | 789.1  | 782.7  | 776.3  | 779.5  | 782.7  | 800.4  | 830.9  | 845.4  | 866.3  |
| 50°   | 781.1  | 763.4  | 749.0  | 740.9  | 736.1  | 732.9  | 736.1  | 753.8  | 776.3  | 789.1  | 806.8  |
| 52.5° | 742.5  | 724.8  | 710.4  | 697.5  | 691.1  | 686.3  | 687.9  | 704.0  | 724.8  | 737.7  | 755.4  |
| 55°   | 707.2  | 684.7  | 665.4  | 649.3  | 644.5  | 642.9  | 641.3  | 652.5  | 670.2  | 683.1  | 697.5  |
| 57.5° | 667.0  | 644.5  | 623.6  | 604.3  | 594.7  | 593.1  | 593.1  | 596.3  | 618.8  | 628.4  | 636.5  |
| 60°   | 626.8  | 602.7  | 580.2  | 562.5  | 548.1  | 543.2  | 541.6  | 548.1  | 559.3  | 569.0  | 580.2  |
| 62.5° | 581.8  | 557.7  | 530.4  | 514.3  | 499.8  | 487.0  | 491.8  | 493.4  | 509.5  | 514.3  | 523.9  |
| 65°   | 538.4  | 511.1  | 488.6  | 462.9  | 446.8  | 438.8  | 435.6  | 438.8  | 451.6  | 453.2  | 459.7  |
| 67.5° | 488.6  | 462.9  | 435.6  | 417.9  | 403.4  | 388.9  | 385.7  | 385.7  | 392.2  | 397.0  | 405.0  |
| 70°   | 440.4  | 414.7  | 384.1  | 364.8  | 350.4  | 337.5  | 332.7  | 331.1  | 335.9  | 339.1  | 347.2  |
| 72.5° | 384.1  | 358.4  | 335.9  | 315.0  | 297.3  | 287.7  | 282.9  | 279.7  | 284.5  | 287.7  | 289.3  |
| 75°   | 324.7  | 303.8  | 281.3  | 260.4  | 249.1  | 239.5  | 233.0  | 228.2  | 231.4  | 231.4  | 231.4  |
| 77.5° | 268.4  | 247.5  | 229.8  | 215.4  | 200.9  | 189.7  | 184.8  | 180.0  | 181.6  | 181.6  | 184.8  |
| 80°   | 208.9  | 194.5  | 180.0  | 167.1  | 154.3  | 144.6  | 141.4  | 136.6  | 133.4  | 131.8  | 131.8  |
| 82.5° | 154.3  | 143.0  | 130.2  | 118.9  | 112.5  | 102.9  | 99.6   | 93.2   | 93.2   | 91.6   | 91.6   |
| 85°   | 102.9  | 96.4   | 83.6   | 75.5   | 70.7   | 65.9   | 62.7   | 59.5   | 54.6   | 54.6   | 53.0   |
| 87.5° | 54.6   | 51.4   | 48.2   | 38.6   | 38.6   | 33.8   | 32.1   | 30.5   | 25.7   | 27.3   | 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    |

TEST NUMBER: P1037614

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**CANDELA DISTRIBUTION (continued):**

|       | 345°   | 350°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|
| 0°    | 1939.9 | 1939.9 | 1939.9 | 1939.9 |
| 2.5°  | 1886.9 | 1902.9 | 1917.4 | 1939.9 |
| 5°    | 1845.1 | 1867.6 | 1898.1 | 1931.9 |
| 7.5°  | 1796.9 | 1832.2 | 1872.4 | 1919.0 |
| 10°   | 1751.9 | 1792.0 | 1843.5 | 1899.7 |
| 12.5° | 1705.2 | 1753.5 | 1809.7 | 1870.8 |
| 15°   | 1652.2 | 1700.4 | 1763.1 | 1845.1 |
| 17.5° | 1604.0 | 1661.8 | 1729.4 | 1816.1 |
| 20°   | 1547.7 | 1602.4 | 1676.3 | 1776.0 |
| 22.5° | 1497.9 | 1560.6 | 1642.6 | 1729.4 |
| 25°   | 1443.3 | 1497.9 | 1579.9 | 1684.3 |
| 27.5° | 1388.6 | 1456.1 | 1534.9 | 1636.1 |
| 30°   | 1335.6 | 1391.8 | 1477.0 | 1583.1 |
| 32.5° | 1277.7 | 1345.2 | 1424.0 | 1523.6 |
| 35°   | 1215.0 | 1279.3 | 1353.3 | 1460.9 |
| 37.5° | 1158.8 | 1221.5 | 1297.0 | 1391.8 |
| 40°   | 1096.1 | 1162.0 | 1231.1 | 1325.9 |
| 42.5° | 1035.0 | 1094.5 | 1163.6 | 1250.4 |
| 45°   | 975.6  | 1027.0 | 1089.7 | 1165.2 |
| 47.5° | 914.5  | 957.9  | 1015.8 | 1083.3 |
| 50°   | 848.6  | 895.2  | 938.6  | 994.9  |
| 52.5° | 787.5  | 827.7  | 863.1  | 909.7  |
| 55°   | 728.1  | 755.4  | 784.3  | 819.7  |
| 57.5° | 665.4  | 686.3  | 707.2  | 744.1  |
| 60°   | 602.7  | 622.0  | 633.2  | 657.3  |
| 62.5° | 541.6  | 549.7  | 564.1  | 578.6  |
| 65°   | 474.1  | 485.4  | 493.4  | 511.1  |
| 67.5° | 413.1  | 417.9  | 425.9  | 437.2  |
| 70°   | 348.8  | 360.0  | 363.2  | 371.3  |
| 72.5° | 294.1  | 298.9  | 302.2  | 303.8  |
| 75°   | 233.0  | 237.9  | 241.1  | 250.7  |
| 77.5° | 183.2  | 181.6  | 188.0  | 189.7  |
| 80°   | 135.0  | 130.2  | 131.8  | 138.2  |
| 82.5° | 88.4   | 90.0   | 88.4   | 88.4   |
| 85°   | 54.6   | 53.0   | 49.8   | 51.4   |
| 87.5° | 24.1   | 24.1   | 22.5   | 22.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)