

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: P1012920

Luminaire Tested: S124DIP-B1195D1035UB2750-4F0-XX-W2A-A\_5000K

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1012920  
REPORT IS A COMBINATION OF REPORTS P995432 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S124DIP-B1195D1035UB2750-4F0-XX-W2A-A\_5000K  
Description: Define 4 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}  
Light Source: -  
Ballast/Driver: -

**Summary**

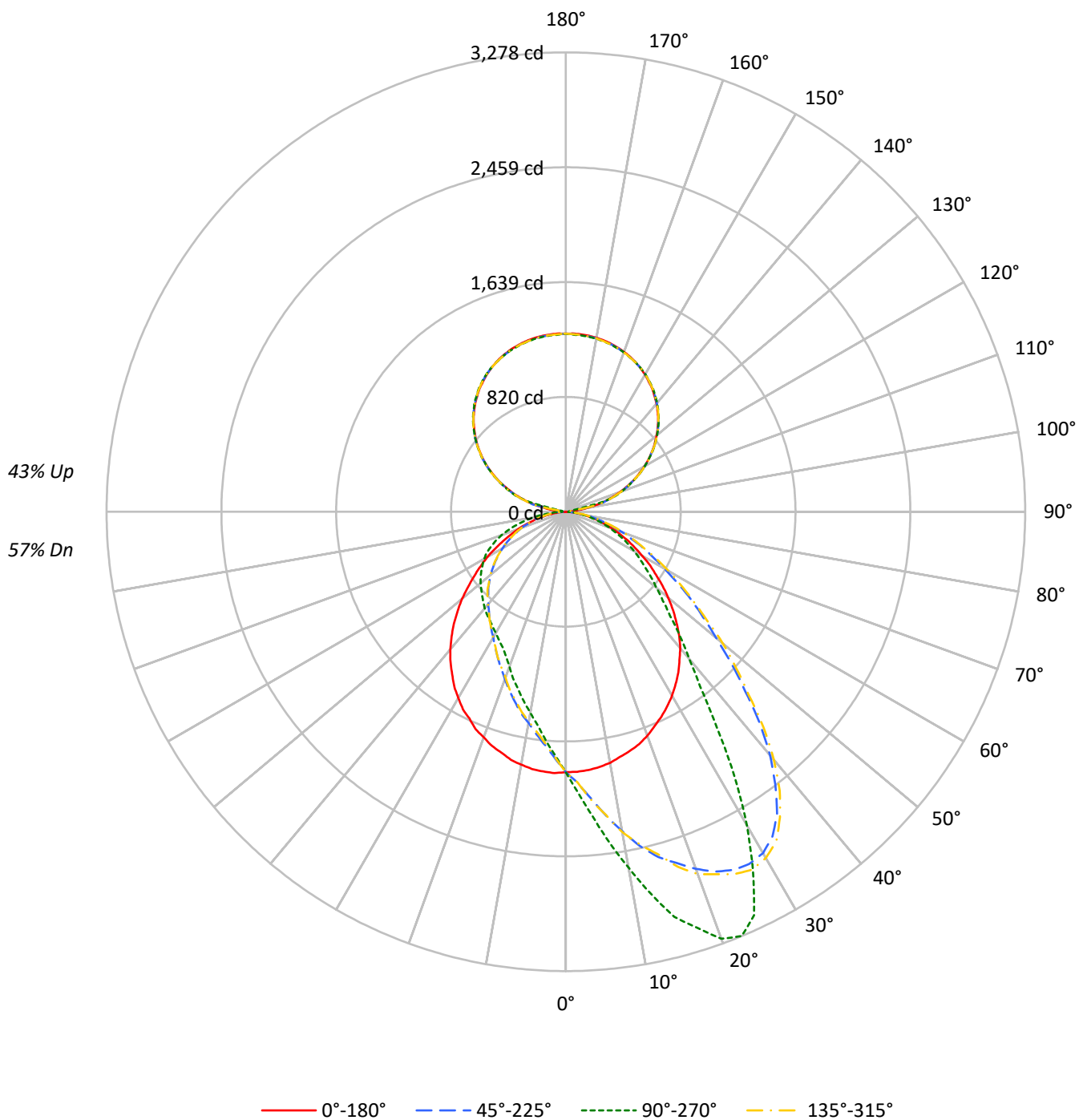
Lumens per Lamp: N/A  
Luminaire Lumens: 9059.0 lumens  
Efficiency: N/A  
Efficacy: 100.9 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 89.8  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1012920

CATALOG NUMBER: S124DIP-B1195D1035UB2750-4F0-XX-W2A-A\_5000K

### Luminous Intensity Polar Plot



TEST NUMBER: P1012920

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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 |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |
| 0   | 109 | 109 | 109 | 109 | 101 | 101 | 101 | 101 | 87 | 87 | 87 | 74 | 74 | 74 | 62 | 62 | 62 |
| 1   | 100 | 95  | 91  | 88  | 92  | 89  | 85  | 82  | 77 | 74 | 72 | 66 | 64 | 62 | 55 | 54 | 53 |
| 2   | 91  | 83  | 77  | 72  | 84  | 78  | 73  | 68  | 68 | 64 | 60 | 58 | 55 | 52 | 49 | 47 | 45 |
| 3   | 83  | 74  | 66  | 61  | 77  | 69  | 62  | 57  | 60 | 55 | 51 | 51 | 48 | 45 | 44 | 41 | 39 |
| 4   | 76  | 65  | 57  | 51  | 71  | 61  | 54  | 49  | 53 | 48 | 44 | 46 | 42 | 38 | 39 | 36 | 34 |
| 5   | 70  | 58  | 50  | 44  | 65  | 55  | 48  | 42  | 48 | 42 | 38 | 41 | 37 | 34 | 35 | 32 | 29 |
| 6   | 65  | 52  | 44  | 39  | 60  | 49  | 42  | 37  | 43 | 37 | 33 | 38 | 33 | 29 | 32 | 29 | 26 |
| 7   | 60  | 47  | 40  | 34  | 56  | 45  | 37  | 32  | 39 | 33 | 29 | 34 | 30 | 26 | 29 | 26 | 23 |
| 8   | 56  | 43  | 35  | 30  | 52  | 41  | 34  | 29  | 36 | 30 | 26 | 31 | 27 | 23 | 27 | 24 | 21 |
| 9   | 52  | 39  | 32  | 27  | 48  | 37  | 30  | 26  | 33 | 27 | 23 | 29 | 24 | 21 | 25 | 21 | 19 |
| 10  | 48  | 36  | 29  | 24  | 45  | 34  | 28  | 23  | 30 | 25 | 21 | 27 | 22 | 19 | 23 | 20 | 17 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 15145 | 15145 | 15145 | 15145 |
| 5°  | 15107 | 17375 | 15194 | 13055 |
| 10° | 14994 | 20271 | 15108 | 11454 |
| 15° | 14814 | 23369 | 14917 | 10249 |
| 20° | 14622 | 25340 | 14728 | 9188  |
| 25° | 14342 | 25050 | 14479 | 8407  |
| 30° | 14069 | 20705 | 14240 | 8003  |
| 35° | 13684 | 15429 | 13835 | 7759  |
| 40° | 13236 | 11623 | 13364 | 7640  |
| 45° | 12552 | 9328  | 12707 | 7477  |
| 50° | 11734 | 7859  | 11904 | 7400  |
| 55° | 10773 | 6841  | 10942 | 7314  |
| 60° | 9837  | 6024  | 10126 | 7192  |
| 65° | 8961  | 5183  | 9045  | 6892  |
| 70° | 7931  | 4265  | 8101  | 6346  |
| 75° | 6916  | 3276  | 6873  | 5392  |
| 80° | 5441  | 2152  | 5380  | 4094  |
| 85° | 3580  | 968   | 3362  | 2387  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 19584 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 180.7  | 2.0       |
| 10°-20°   | 557.9  | 6.2       |
| 20°-30°   | 886.3  | 9.8       |
| 30°-40°   | 984.9  | 10.9      |
| 40°-50°   | 895.6  | 9.9       |
| 50°-60°   | 731.9  | 8.1       |
| 60°-70°   | 522.4  | 5.8       |
| 70°-80°   | 287.5  | 3.2       |
| 80°-90°   | 80.3   | 0.9       |
| 90°-100°  | 42.2   | 0.5       |
| 100°-110° | 277.7  | 3.1       |
| 110°-120° | 530.3  | 5.9       |
| 120°-130° | 673.3  | 7.4       |
| 130°-140° | 720.3  | 8.0       |
| 140°-150° | 673.5  | 7.4       |
| 150°-160° | 543.1  | 6.0       |
| 160°-170° | 350.3  | 3.9       |
| 170°-180° | 120.7  | 1.3       |
| <hr/>     |        |           |
| 0°-30°    | 1625.0 | 17.9      |
| 0°-40°    | 2609.9 | 28.8      |
| 0°-60°    | 4237.4 | 46.8      |
| 0°-90°    | 5127.6 | 56.6      |
| 90°-120°  | 850.3  | 9.4       |
| 90°-150°  | 2917.3 | 32.2      |
| 90°-180°  | 3931.0 | 43.4      |
| 0°-180°   | 9059.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1857 | 1857 | 1857 | 1857 | 1857 |      |
| 5°   | 1850 | 2179 | 1860 | 1637 | 1850 | 176  |
| 15°  | 1766 | 2993 | 1779 | 1313 | 1766 | 498  |
| 25°  | 1613 | 3178 | 1628 | 1066 | 1613 | 743  |
| 35°  | 1399 | 1879 | 1414 | 945  | 1399 | 874  |
| 45°  | 1116 | 1054 | 1129 | 845  | 1116 | 860  |
| 55°  | 785  | 689  | 797  | 737  | 785  | 706  |
| 65°  | 489  | 443  | 494  | 589  | 489  | 483  |
| 75°  | 240  | 222  | 238  | 365  | 240  | 252  |
| 85°  | 49   | 46   | 46   | 114  | 49   | 57   |
| 90°  | 3    | 28   | 3    | 28   | 3    | 6    |
| 95°  | 52   | 28   | 52   | 28   | 52   | 64   |
| 105° | 286  | 271  | 286  | 271  | 286  | 299  |
| 115° | 534  | 538  | 534  | 538  | 534  | 526  |
| 125° | 751  | 756  | 751  | 756  | 751  | 670  |
| 135° | 931  | 938  | 931  | 938  | 931  | 718  |
| 145° | 1074 | 1080 | 1074 | 1080 | 1074 | 671  |
| 155° | 1177 | 1176 | 1177 | 1176 | 1177 | 543  |
| 165° | 1242 | 1236 | 1242 | 1236 | 1242 | 351  |
| 175° | 1270 | 1263 | 1270 | 1263 | 1270 | 121  |
| 180° | 1270 | 1270 | 1270 | 1270 | 1270 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 |
| 2.5°   | 1857.3 | 1875.7 | 1883.4 | 1889.6 | 1909.6 | 1915.7 | 1917.3 | 1926.5 | 1934.2 | 1935.7 | 1935.7 |
| 5°     | 1849.6 | 1878.8 | 1901.9 | 1923.4 | 1955.7 | 1969.6 | 1986.5 | 2005.0 | 2029.6 | 2045.0 | 2052.7 |
| 7.5°   | 1837.3 | 1880.4 | 1915.7 | 1952.7 | 1997.3 | 2025.0 | 2040.4 | 2089.6 | 2123.5 | 2151.2 | 2185.0 |
| 10°    | 1818.8 | 1874.2 | 1925.0 | 1978.8 | 2041.9 | 2075.8 | 2109.6 | 2169.6 | 2217.3 | 2271.2 | 2314.3 |
| 12.5°  | 1791.1 | 1863.4 | 1925.0 | 2000.4 | 2078.8 | 2118.9 | 2158.9 | 2263.5 | 2318.9 | 2366.6 | 2443.5 |
| 15°    | 1766.5 | 1838.8 | 1926.5 | 2003.5 | 2100.4 | 2160.4 | 2218.9 | 2286.6 | 2374.3 | 2477.4 | 2551.2 |
| 17.5°  | 1738.8 | 1829.6 | 1911.1 | 2018.8 | 2126.5 | 2183.5 | 2231.2 | 2335.8 | 2458.9 | 2560.5 | 2628.2 |
| 20°    | 1700.3 | 1792.6 | 1900.4 | 2014.2 | 2141.9 | 2186.6 | 2249.6 | 2389.7 | 2500.5 | 2600.5 | 2711.3 |
| 22.5°  | 1655.7 | 1763.4 | 1877.3 | 1986.5 | 2118.9 | 2212.7 | 2282.0 | 2405.1 | 2538.9 | 2654.3 | 2779.0 |
| 25°    | 1612.6 | 1729.6 | 1829.6 | 1978.8 | 2118.9 | 2181.9 | 2260.4 | 2406.6 | 2552.8 | 2692.8 | 2820.5 |
| 27.5°  | 1566.4 | 1675.7 | 1811.1 | 1929.6 | 2088.1 | 2157.3 | 2242.0 | 2402.0 | 2557.4 | 2697.4 | 2834.4 |
| 30°    | 1515.7 | 1632.6 | 1744.9 | 1885.0 | 2038.8 | 2128.1 | 2206.6 | 2380.4 | 2538.9 | 2685.1 | 2812.8 |
| 32.5°  | 1458.7 | 1569.5 | 1689.5 | 1821.9 | 1983.4 | 2074.2 | 2172.7 | 2351.2 | 2520.5 | 2646.6 | 2745.1 |
| 35°    | 1398.7 | 1511.1 | 1615.7 | 1751.1 | 1917.3 | 2008.1 | 2103.5 | 2300.4 | 2468.2 | 2571.2 | 2628.2 |
| 37.5°  | 1332.6 | 1438.7 | 1541.8 | 1675.7 | 1841.9 | 1938.8 | 2035.8 | 2226.6 | 2385.1 | 2471.2 | 2455.8 |
| 40°    | 1269.5 | 1364.9 | 1460.3 | 1586.4 | 1760.3 | 1863.4 | 1948.1 | 2140.4 | 2278.9 | 2315.8 | 2265.0 |
| 42.5°  | 1197.1 | 1278.7 | 1371.0 | 1500.3 | 1669.5 | 1766.5 | 1872.7 | 2048.1 | 2151.2 | 2135.8 | 2049.6 |
| 45°    | 1115.6 | 1187.9 | 1280.2 | 1401.8 | 1574.1 | 1674.2 | 1763.4 | 1929.6 | 2005.0 | 1966.5 | 1809.6 |
| 47.5°  | 1037.1 | 1107.9 | 1183.3 | 1304.9 | 1472.6 | 1557.2 | 1648.0 | 1797.3 | 1840.3 | 1758.8 | 1601.8 |
| 50°    | 952.5  | 1011.0 | 1089.4 | 1204.8 | 1361.8 | 1451.0 | 1526.4 | 1646.5 | 1661.8 | 1561.8 | 1398.7 |
| 52.5°  | 870.9  | 920.2  | 995.6  | 1109.4 | 1255.6 | 1326.4 | 1400.3 | 1506.4 | 1494.1 | 1391.0 | 1234.1 |
| 55°    | 784.8  | 830.9  | 900.2  | 1004.8 | 1134.1 | 1201.8 | 1264.9 | 1358.7 | 1332.6 | 1226.4 | 1089.4 |
| 57.5°  | 712.4  | 744.8  | 812.5  | 909.4  | 1015.6 | 1089.4 | 1143.3 | 1217.1 | 1177.1 | 1071.0 | 943.3  |
| 60°    | 629.3  | 669.4  | 726.3  | 804.8  | 909.4  | 958.6  | 1006.3 | 1055.6 | 1027.9 | 926.3  | 812.5  |
| 62.5°  | 553.9  | 584.7  | 634.0  | 709.4  | 790.9  | 835.5  | 886.3  | 917.1  | 889.4  | 795.5  | 700.1  |
| 65°    | 489.3  | 513.9  | 552.4  | 614.0  | 692.4  | 729.4  | 758.6  | 787.8  | 764.8  | 677.0  | 607.8  |
| 67.5°  | 418.5  | 440.1  | 472.4  | 521.6  | 587.8  | 614.0  | 641.7  | 661.7  | 635.5  | 577.0  | 509.3  |
| 70°    | 355.5  | 370.8  | 401.6  | 438.5  | 484.7  | 509.3  | 532.4  | 552.4  | 529.3  | 480.1  | 429.3  |
| 72.5°  | 290.8  | 303.1  | 330.8  | 357.0  | 398.5  | 415.5  | 432.4  | 447.8  | 440.1  | 393.9  | 352.4  |
| 75°    | 240.0  | 244.7  | 263.1  | 284.7  | 310.8  | 329.3  | 341.6  | 350.8  | 344.7  | 307.7  | 281.6  |
| 77.5°  | 181.6  | 187.7  | 201.6  | 218.5  | 241.6  | 252.4  | 260.0  | 269.3  | 261.6  | 232.4  | 213.9  |
| 80°    | 132.3  | 133.9  | 141.6  | 157.0  | 172.3  | 173.9  | 181.6  | 193.9  | 189.3  | 169.3  | 155.4  |
| 82.5°  | 84.6   | 89.2   | 92.3   | 101.6  | 112.3  | 115.4  | 120.0  | 123.1  | 121.6  | 109.3  | 104.6  |
| 85°    | 49.2   | 49.2   | 52.3   | 58.5   | 61.5   | 66.2   | 67.7   | 69.2   | 72.3   | 64.6   | 60.0   |
| 87.5°  | 21.5   | 23.1   | 23.1   | 24.6   | 27.7   | 27.7   | 29.2   | 30.8   | 32.3   | 30.8   | 26.2   |
| 90°    | 2.9    | 5.2    | 7.5    | 9.8    | 12.1   | 13.3   | 14.1   | 15.8   | 17.5   | 19.2   | 20.9   |
| 92.5°  | 14.3   | 13.9   | 13.5   | 13.0   | 12.6   | 12.4   | 13.2   | 14.9   | 16.6   | 18.3   | 20.0   |
| 95°    | 52.3   | 45.1   | 37.9   | 30.8   | 23.6   | 20.0   | 20.1   | 20.3   | 20.5   | 20.7   | 20.9   |
| 97.5°  | 99.8   | 104.4  | 109.1  | 113.7  | 118.4  | 120.7  | 109.6  | 87.4   | 65.3   | 43.1   | 20.9   |
| 100°   | 155.8  | 159.6  | 163.4  | 167.2  | 171.0  | 172.9  | 158.3  | 129.2  | 100.1  | 70.9   | 41.8   |
| 102.5° | 218.6  | 221.1  | 223.7  | 226.2  | 228.7  | 230.0  | 231.3  | 233.8  | 236.3  | 238.9  | 241.4  |
| 105°   | 286.0  | 287.3  | 288.5  | 289.8  | 291.1  | 291.7  | 292.2  | 293.3  | 294.4  | 295.4  | 296.5  |
| 107.5° | 347.8  | 348.4  | 349.0  | 349.7  | 350.3  | 350.6  | 351.3  | 352.8  | 354.3  | 355.8  | 357.3  |
| 110°   | 410.5  | 411.1  | 411.8  | 412.4  | 413.1  | 413.4  | 414.0  | 415.3  | 416.6  | 417.8  | 419.1  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 471.3  | 472.6  | 473.8  | 475.1  | 476.4  | 477.0  | 477.2  | 477.6  | 478.1  | 478.5  | 478.9  |
| 115°   | 534.0  | 534.6  | 535.3  | 535.9  | 536.6  | 536.9  | 536.8  | 536.6  | 536.3  | 536.1  | 535.9  |
| 117.5° | 590.1  | 590.9  | 591.8  | 592.6  | 593.5  | 593.9  | 594.2  | 594.9  | 595.5  | 596.2  | 596.8  |
| 120°   | 647.1  | 647.9  | 648.8  | 649.6  | 650.5  | 650.9  | 650.8  | 650.6  | 650.4  | 650.2  | 650.0  |
| 122.5° | 700.3  | 700.7  | 701.1  | 701.6  | 702.0  | 702.2  | 702.4  | 702.8  | 703.3  | 703.7  | 704.1  |
| 125°   | 750.7  | 751.5  | 752.4  | 753.2  | 754.1  | 754.5  | 754.3  | 753.9  | 753.4  | 753.0  | 752.6  |
| 127.5° | 799.2  | 799.4  | 799.6  | 799.8  | 800.0  | 800.1  | 800.6  | 801.7  | 802.8  | 803.8  | 804.9  |
| 130°   | 845.7  | 845.9  | 846.1  | 846.4  | 846.6  | 846.7  | 847.0  | 847.6  | 848.3  | 848.9  | 849.5  |
| 132.5° | 888.5  | 888.9  | 889.3  | 889.8  | 890.2  | 890.4  | 890.8  | 891.7  | 892.5  | 893.4  | 894.2  |
| 135°   | 931.3  | 931.1  | 930.9  | 930.6  | 930.4  | 930.3  | 930.7  | 931.6  | 932.4  | 933.3  | 934.1  |
| 137.5° | 969.3  | 969.3  | 969.3  | 969.3  | 969.3  | 969.3  | 969.8  | 970.9  | 971.9  | 973.0  | 974.0  |
| 140°   | 1006.3 | 1006.7 | 1007.1 | 1007.6 | 1008.0 | 1008.2 | 1008.4 | 1008.8 | 1009.3 | 1009.7 | 1010.1 |
| 142.5° | 1039.6 | 1040.4 | 1041.3 | 1042.1 | 1043.0 | 1043.4 | 1043.5 | 1043.7 | 1043.9 | 1044.1 | 1044.3 |
| 145°   | 1073.8 | 1074.4 | 1075.0 | 1075.7 | 1076.3 | 1076.6 | 1076.6 | 1076.6 | 1076.6 | 1076.6 | 1076.6 |
| 147.5° | 1100.4 | 1101.7 | 1102.9 | 1104.2 | 1105.5 | 1106.1 | 1106.0 | 1105.8 | 1105.6 | 1105.4 | 1105.2 |
| 150°   | 1129.9 | 1130.7 | 1131.6 | 1132.4 | 1133.3 | 1133.7 | 1133.6 | 1133.4 | 1133.1 | 1132.9 | 1132.7 |
| 152.5° | 1154.6 | 1155.2 | 1155.8 | 1156.5 | 1157.1 | 1157.4 | 1157.2 | 1156.8 | 1156.3 | 1155.9 | 1155.5 |
| 155°   | 1177.4 | 1177.6 | 1177.8 | 1178.0 | 1178.2 | 1178.3 | 1178.0 | 1177.4 | 1176.7 | 1176.1 | 1175.5 |
| 157.5° | 1197.3 | 1197.3 | 1197.3 | 1197.3 | 1197.3 | 1197.3 | 1196.9 | 1196.0 | 1195.2 | 1194.3 | 1193.5 |
| 160°   | 1214.4 | 1213.8 | 1213.2 | 1212.5 | 1211.9 | 1211.6 | 1211.5 | 1211.3 | 1211.0 | 1210.8 | 1210.6 |
| 162.5° | 1229.6 | 1228.8 | 1227.9 | 1227.1 | 1226.2 | 1225.8 | 1225.7 | 1225.5 | 1225.3 | 1225.1 | 1224.9 |
| 165°   | 1242.0 | 1240.9 | 1239.9 | 1238.8 | 1237.7 | 1237.2 | 1237.2 | 1237.2 | 1237.2 | 1237.2 | 1237.2 |
| 167.5° | 1252.4 | 1251.4 | 1250.3 | 1249.3 | 1248.2 | 1247.7 | 1247.6 | 1247.4 | 1247.1 | 1246.9 | 1246.7 |
| 170°   | 1261.0 | 1259.7 | 1258.5 | 1257.2 | 1255.9 | 1255.3 | 1255.4 | 1255.6 | 1255.8 | 1256.0 | 1256.2 |
| 172.5° | 1266.7 | 1265.4 | 1264.2 | 1262.9 | 1261.6 | 1261.0 | 1261.1 | 1261.3 | 1261.5 | 1261.7 | 1261.9 |
| 175°   | 1270.5 | 1269.2 | 1268.0 | 1266.7 | 1265.4 | 1264.8 | 1264.9 | 1265.1 | 1265.3 | 1265.5 | 1265.7 |
| 177.5° | 1273.4 | 1271.9 | 1270.4 | 1268.9 | 1267.4 | 1266.7 | 1266.9 | 1267.3 | 1267.8 | 1268.2 | 1268.6 |
| 180°   | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 |
| 2.5°   | 1940.4 | 1968.1 | 1980.4 | 1983.4 | 2000.4 | 1989.6 | 1994.2 | 1992.7 | 2005.0 | 2006.5 | 2006.5 |
| 5°     | 2081.9 | 2114.2 | 2125.0 | 2140.4 | 2163.5 | 2169.6 | 2165.0 | 2174.3 | 2191.2 | 2178.9 | 2197.3 |
| 7.5°   | 2231.2 | 2266.6 | 2291.2 | 2325.0 | 2332.7 | 2352.7 | 2365.1 | 2375.8 | 2378.9 | 2380.4 | 2383.5 |
| 10°    | 2369.7 | 2414.3 | 2448.1 | 2505.1 | 2517.4 | 2528.2 | 2582.0 | 2560.5 | 2588.2 | 2578.9 | 2582.0 |
| 12.5°  | 2482.0 | 2569.7 | 2597.4 | 2692.8 | 2702.0 | 2739.0 | 2735.9 | 2769.7 | 2775.9 | 2788.2 | 2775.9 |
| 15°    | 2629.7 | 2731.3 | 2775.9 | 2829.8 | 2860.5 | 2903.6 | 2911.3 | 2957.5 | 2975.9 | 2992.9 | 2975.9 |
| 17.5°  | 2765.1 | 2819.0 | 2932.9 | 2975.9 | 2995.9 | 3019.0 | 3077.5 | 3094.4 | 3122.1 | 3111.3 | 3142.1 |
| 20°    | 2832.8 | 2909.8 | 3029.8 | 3103.7 | 3134.4 | 3156.0 | 3205.2 | 3231.4 | 3242.1 | 3242.1 | 3245.2 |
| 22.5°  | 2892.8 | 3003.6 | 3092.9 | 3177.5 | 3205.2 | 3220.6 | 3249.8 | 3269.8 | 3274.5 | 3277.5 | 3280.6 |
| 25°    | 2946.7 | 3046.7 | 3119.0 | 3166.7 | 3177.5 | 3177.5 | 3194.4 | 3182.1 | 3162.1 | 3177.5 | 3186.7 |
| 27.5°  | 2946.7 | 3017.5 | 3049.8 | 3066.7 | 3066.7 | 3025.2 | 3000.6 | 2949.8 | 2906.7 | 2894.4 | 2922.1 |
| 30°    | 2897.5 | 2929.8 | 2885.2 | 2843.6 | 2811.3 | 2783.6 | 2686.7 | 2609.7 | 2594.3 | 2583.6 | 2625.1 |
| 32.5°  | 2783.6 | 2742.0 | 2654.3 | 2534.3 | 2486.6 | 2423.5 | 2348.1 | 2289.7 | 2254.3 | 2242.0 | 2232.7 |
| 35°    | 2582.0 | 2474.3 | 2360.4 | 2198.9 | 2165.0 | 2085.0 | 1981.9 | 1938.8 | 1880.4 | 1878.8 | 1898.8 |
| 37.5°  | 2362.0 | 2195.8 | 2072.7 | 1918.8 | 1871.1 | 1786.5 | 1689.5 | 1644.9 | 1604.9 | 1574.1 | 1611.1 |
| 40°    | 2105.0 | 1960.4 | 1772.6 | 1646.5 | 1578.8 | 1534.1 | 1452.6 | 1403.3 | 1384.9 | 1369.5 | 1392.6 |
| 42.5°  | 1865.0 | 1706.5 | 1560.3 | 1431.0 | 1375.6 | 1324.9 | 1271.0 | 1223.3 | 1209.5 | 1207.9 | 1224.8 |
| 45°    | 1626.5 | 1471.0 | 1335.6 | 1224.8 | 1189.5 | 1158.7 | 1106.4 | 1092.5 | 1069.4 | 1054.0 | 1061.7 |
| 47.5°  | 1435.7 | 1275.6 | 1163.3 | 1078.7 | 1047.9 | 1021.7 | 987.9  | 964.8  | 944.8  | 938.6  | 947.9  |
| 50°    | 1247.9 | 1140.2 | 1024.8 | 954.0  | 930.9  | 906.3  | 880.2  | 858.6  | 849.4  | 843.2  | 849.4  |
| 52.5°  | 1097.1 | 981.7  | 903.2  | 846.3  | 823.2  | 804.8  | 786.3  | 777.1  | 764.8  | 767.8  | 774.0  |
| 55°    | 961.7  | 860.2  | 794.0  | 752.4  | 738.6  | 730.9  | 707.8  | 697.1  | 692.4  | 689.4  | 692.4  |
| 57.5°  | 834.0  | 760.1  | 710.9  | 675.5  | 657.0  | 652.4  | 634.0  | 634.0  | 629.3  | 624.7  | 626.3  |
| 60°    | 732.4  | 669.4  | 621.7  | 594.0  | 590.9  | 583.2  | 570.9  | 569.3  | 558.6  | 563.2  | 564.7  |
| 62.5°  | 629.3  | 578.6  | 546.3  | 529.3  | 518.6  | 515.5  | 507.8  | 506.2  | 501.6  | 503.2  | 500.1  |
| 65°    | 547.8  | 506.2  | 473.9  | 460.1  | 455.5  | 453.9  | 447.8  | 443.2  | 440.1  | 443.2  | 440.1  |
| 67.5°  | 466.2  | 438.5  | 413.9  | 400.1  | 393.9  | 392.4  | 387.8  | 384.7  | 386.2  | 381.6  | 384.7  |
| 70°    | 389.3  | 361.6  | 346.2  | 338.5  | 335.4  | 330.8  | 330.8  | 330.8  | 330.8  | 327.8  | 326.2  |
| 72.5°  | 327.8  | 300.1  | 289.3  | 284.7  | 281.6  | 280.1  | 275.4  | 277.0  | 275.4  | 273.9  | 280.1  |
| 75°    | 260.0  | 243.1  | 232.4  | 227.7  | 230.8  | 226.2  | 221.6  | 224.7  | 220.0  | 221.6  | 227.7  |
| 77.5°  | 197.0  | 189.3  | 183.1  | 180.0  | 177.0  | 173.9  | 173.9  | 170.8  | 170.8  | 170.8  | 170.8  |
| 80°    | 143.1  | 141.6  | 130.8  | 129.3  | 129.3  | 126.2  | 126.2  | 126.2  | 126.2  | 124.6  | 126.2  |
| 82.5°  | 95.4   | 93.9   | 90.8   | 89.2   | 86.2   | 87.7   | 87.7   | 84.6   | 84.6   | 83.1   | 84.6   |
| 85°    | 55.4   | 55.4   | 52.3   | 50.8   | 49.2   | 50.8   | 47.7   | 46.2   | 47.7   | 46.2   | 47.7   |
| 87.5°  | 26.2   | 23.1   | 24.6   | 23.1   | 20.0   | 21.5   | 18.5   | 20.0   | 18.5   | 16.9   | 20.0   |
| 90°    | 22.2   | 23.4   | 24.7   | 26.0   | 26.6   | 26.8   | 27.2   | 27.7   | 28.1   | 28.5   | 28.1   |
| 92.5°  | 21.3   | 22.5   | 23.8   | 25.1   | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   |
| 95°    | 22.2   | 23.4   | 24.7   | 26.0   | 26.6   | 26.7   | 26.9   | 27.2   | 27.4   | 27.6   | 27.4   |
| 97.5°  | 22.0   | 23.0   | 24.1   | 25.2   | 25.7   | 25.8   | 26.0   | 26.2   | 26.4   | 26.6   | 26.4   |
| 100°   | 38.2   | 34.6   | 31.1   | 27.5   | 25.7   | 25.8   | 26.0   | 26.2   | 26.4   | 26.6   | 26.4   |
| 102.5° | 193.9  | 146.4  | 98.9   | 51.4   | 27.6   | 27.6   | 27.6   | 27.6   | 27.6   | 27.6   | 27.6   |
| 105°   | 298.4  | 300.3  | 302.2  | 304.1  | 305.0  | 301.2  | 293.6  | 286.0  | 278.4  | 270.8  | 278.4  |
| 107.5° | 358.3  | 359.4  | 360.4  | 361.5  | 362.0  | 362.4  | 363.3  | 364.2  | 365.0  | 365.9  | 365.0  |
| 110°   | 419.5  | 419.9  | 420.4  | 420.8  | 421.0  | 421.3  | 421.9  | 422.6  | 423.2  | 423.8  | 423.2  |



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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 478.7  | 478.5  | 478.3  | 478.1  | 478.0  | 478.4  | 479.3  | 480.1  | 481.0  | 481.8  | 481.0  |
| 115°   | 536.3  | 536.7  | 537.2  | 537.6  | 537.8  | 537.8  | 537.8  | 537.8  | 537.8  | 537.8  | 537.8  |
| 117.5° | 596.6  | 596.4  | 596.1  | 595.9  | 595.8  | 595.8  | 595.8  | 595.8  | 595.8  | 595.8  | 595.8  |
| 120°   | 650.4  | 650.8  | 651.3  | 651.7  | 651.9  | 651.7  | 651.3  | 650.8  | 650.4  | 650.0  | 650.4  |
| 122.5° | 704.3  | 704.5  | 704.8  | 705.0  | 705.1  | 704.9  | 704.5  | 704.0  | 703.6  | 703.2  | 703.6  |
| 125°   | 753.2  | 753.9  | 754.5  | 755.2  | 755.5  | 755.6  | 755.8  | 756.0  | 756.2  | 756.4  | 756.2  |
| 127.5° | 804.7  | 804.5  | 804.2  | 804.0  | 803.9  | 803.8  | 803.6  | 803.4  | 803.2  | 803.0  | 803.2  |
| 130°   | 849.7  | 849.9  | 850.2  | 850.4  | 850.5  | 850.5  | 850.5  | 850.5  | 850.5  | 850.5  | 850.5  |
| 132.5° | 894.4  | 894.6  | 894.8  | 895.0  | 895.1  | 895.0  | 894.8  | 894.6  | 894.4  | 894.2  | 894.4  |
| 135°   | 934.5  | 934.9  | 935.4  | 935.8  | 936.0  | 936.2  | 936.6  | 937.1  | 937.5  | 937.9  | 937.5  |
| 137.5° | 974.4  | 974.8  | 975.3  | 975.7  | 975.9  | 975.8  | 975.6  | 975.4  | 975.2  | 975.0  | 975.2  |
| 140°   | 1010.7 | 1011.4 | 1012.0 | 1012.7 | 1013.0 | 1013.1 | 1013.3 | 1013.5 | 1013.7 | 1013.9 | 1013.7 |
| 142.5° | 1044.7 | 1045.1 | 1045.6 | 1046.0 | 1046.2 | 1046.2 | 1046.2 | 1046.2 | 1046.2 | 1046.2 | 1046.2 |
| 145°   | 1076.8 | 1077.0 | 1077.3 | 1077.5 | 1077.6 | 1077.8 | 1078.2 | 1078.7 | 1079.1 | 1079.5 | 1079.1 |
| 147.5° | 1105.4 | 1105.6 | 1105.8 | 1106.0 | 1106.1 | 1106.2 | 1106.4 | 1106.7 | 1106.9 | 1107.1 | 1106.9 |
| 150°   | 1132.7 | 1132.7 | 1132.7 | 1132.7 | 1132.7 | 1132.8 | 1133.0 | 1133.3 | 1133.5 | 1133.7 | 1133.5 |
| 152.5° | 1155.9 | 1156.3 | 1156.8 | 1157.2 | 1157.4 | 1157.3 | 1157.1 | 1156.9 | 1156.7 | 1156.5 | 1156.7 |
| 155°   | 1176.3 | 1177.2 | 1178.0 | 1178.9 | 1179.3 | 1179.0 | 1178.3 | 1177.7 | 1177.0 | 1176.4 | 1177.0 |
| 157.5° | 1194.6 | 1195.6 | 1196.7 | 1197.8 | 1198.3 | 1197.8 | 1196.7 | 1195.6 | 1194.6 | 1193.5 | 1194.6 |
| 160°   | 1211.9 | 1213.1 | 1214.4 | 1215.7 | 1216.3 | 1215.7 | 1214.4 | 1213.1 | 1211.9 | 1210.6 | 1211.9 |
| 162.5° | 1226.2 | 1227.4 | 1228.7 | 1230.0 | 1230.6 | 1229.9 | 1228.4 | 1226.9 | 1225.4 | 1223.9 | 1225.4 |
| 165°   | 1238.9 | 1240.6 | 1242.3 | 1244.0 | 1244.8 | 1243.9 | 1242.0 | 1240.1 | 1238.2 | 1236.3 | 1238.2 |
| 167.5° | 1248.6 | 1250.5 | 1252.4 | 1254.3 | 1255.3 | 1254.2 | 1252.1 | 1250.0 | 1247.9 | 1245.8 | 1247.9 |
| 170°   | 1257.9 | 1259.6 | 1261.3 | 1263.0 | 1263.8 | 1262.7 | 1260.6 | 1258.5 | 1256.4 | 1254.3 | 1256.4 |
| 172.5° | 1263.6 | 1265.3 | 1267.0 | 1268.7 | 1269.6 | 1268.4 | 1266.1 | 1263.8 | 1261.4 | 1259.1 | 1261.4 |
| 175°   | 1267.6 | 1269.5 | 1271.4 | 1273.3 | 1274.3 | 1273.0 | 1270.5 | 1268.0 | 1265.4 | 1262.9 | 1265.4 |
| 177.5° | 1270.3 | 1272.0 | 1273.7 | 1275.4 | 1276.2 | 1274.9 | 1272.4 | 1269.9 | 1267.3 | 1264.8 | 1267.3 |
| 180°   | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 |

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**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 |
| 2.5°   | 2003.5 | 1998.8 | 1992.7 | 1992.7 | 1985.0 | 1985.0 | 1972.7 | 1951.1 | 1932.7 | 1926.5 | 1929.6 |
| 5°     | 2174.3 | 2175.8 | 2166.6 | 2158.9 | 2145.0 | 2134.2 | 2114.2 | 2075.8 | 2063.5 | 2038.8 | 2021.9 |
| 7.5°   | 2369.7 | 2363.5 | 2346.6 | 2334.3 | 2331.2 | 2306.6 | 2263.5 | 2217.3 | 2180.4 | 2155.8 | 2120.4 |
| 10°    | 2589.7 | 2565.1 | 2540.5 | 2532.8 | 2514.3 | 2472.8 | 2423.5 | 2372.7 | 2322.0 | 2268.1 | 2208.1 |
| 12.5°  | 2774.4 | 2726.7 | 2725.1 | 2706.7 | 2671.3 | 2648.2 | 2589.7 | 2517.4 | 2429.7 | 2369.7 | 2302.0 |
| 15°    | 2972.9 | 2928.2 | 2891.3 | 2857.5 | 2840.5 | 2772.8 | 2723.6 | 2632.8 | 2528.2 | 2463.5 | 2417.4 |
| 17.5°  | 3114.4 | 3094.4 | 3031.3 | 3015.9 | 2992.9 | 2914.4 | 2835.9 | 2746.7 | 2655.9 | 2565.1 | 2440.5 |
| 20°    | 3228.3 | 3216.0 | 3174.4 | 3152.9 | 3116.0 | 3054.4 | 2959.0 | 2855.9 | 2751.3 | 2622.0 | 2505.1 |
| 22.5°  | 3277.5 | 3262.1 | 3228.3 | 3209.8 | 3186.7 | 3134.4 | 3052.9 | 2935.9 | 2799.0 | 2683.6 | 2558.9 |
| 25°    | 3180.6 | 3208.3 | 3199.1 | 3191.4 | 3182.1 | 3151.4 | 3089.8 | 2986.7 | 2852.8 | 2722.0 | 2566.6 |
| 27.5°  | 2962.1 | 3009.8 | 3056.0 | 3062.1 | 3077.5 | 3089.8 | 3065.2 | 2991.3 | 2879.0 | 2740.5 | 2569.7 |
| 30°    | 2668.2 | 2689.7 | 2783.6 | 2811.3 | 2832.8 | 2911.3 | 2957.5 | 2939.0 | 2852.8 | 2728.2 | 2571.2 |
| 32.5°  | 2291.2 | 2348.1 | 2443.5 | 2509.7 | 2568.2 | 2655.9 | 2775.9 | 2823.6 | 2792.8 | 2691.3 | 2535.9 |
| 35°    | 1934.2 | 2001.9 | 2112.7 | 2197.3 | 2255.8 | 2380.4 | 2522.0 | 2625.1 | 2663.6 | 2612.8 | 2474.3 |
| 37.5°  | 1641.8 | 1723.4 | 1821.9 | 1854.2 | 1921.9 | 2075.8 | 2271.2 | 2414.3 | 2508.2 | 2512.8 | 2405.1 |
| 40°    | 1421.8 | 1463.3 | 1541.8 | 1591.1 | 1657.2 | 1786.5 | 1977.3 | 2166.6 | 2308.1 | 2355.8 | 2298.9 |
| 42.5°  | 1235.6 | 1267.9 | 1326.4 | 1386.4 | 1446.4 | 1544.9 | 1720.3 | 1897.3 | 2088.1 | 2183.5 | 2181.9 |
| 45°    | 1087.9 | 1121.7 | 1161.8 | 1211.0 | 1252.5 | 1358.7 | 1497.2 | 1678.8 | 1843.4 | 1991.1 | 2028.1 |
| 47.5°  | 958.6  | 987.9  | 1037.1 | 1058.7 | 1086.4 | 1186.4 | 1306.4 | 1475.7 | 1646.5 | 1815.7 | 1858.8 |
| 50°    | 863.2  | 887.9  | 921.7  | 935.6  | 966.3  | 1040.2 | 1138.7 | 1275.6 | 1464.9 | 1620.3 | 1700.3 |
| 52.5°  | 777.1  | 795.5  | 821.7  | 832.5  | 854.0  | 909.4  | 998.6  | 1106.4 | 1263.3 | 1423.3 | 1535.7 |
| 55°    | 703.2  | 715.5  | 734.0  | 746.3  | 761.7  | 810.9  | 877.1  | 974.0  | 1109.4 | 1247.9 | 1357.2 |
| 57.5°  | 634.0  | 643.2  | 661.7  | 667.8  | 680.1  | 718.6  | 764.8  | 846.3  | 971.0  | 1094.0 | 1200.2 |
| 60°    | 569.3  | 575.5  | 586.3  | 600.1  | 609.3  | 635.5  | 678.6  | 746.3  | 846.3  | 958.6  | 1044.8 |
| 62.5°  | 507.8  | 517.0  | 520.1  | 526.3  | 533.9  | 558.6  | 592.4  | 641.7  | 729.4  | 821.7  | 912.5  |
| 65°    | 444.7  | 452.4  | 458.5  | 460.1  | 467.8  | 486.2  | 517.0  | 560.1  | 617.0  | 697.1  | 781.7  |
| 67.5°  | 386.2  | 390.8  | 393.9  | 400.1  | 407.8  | 417.0  | 441.6  | 473.9  | 526.3  | 590.9  | 658.6  |
| 70°    | 332.4  | 332.4  | 337.0  | 338.5  | 347.8  | 358.5  | 369.3  | 400.1  | 446.2  | 498.6  | 544.7  |
| 72.5°  | 273.9  | 281.6  | 280.1  | 287.7  | 286.2  | 293.9  | 307.7  | 327.8  | 361.6  | 403.2  | 447.8  |
| 75°    | 223.1  | 227.7  | 227.7  | 227.7  | 230.8  | 237.0  | 244.7  | 263.1  | 289.3  | 323.1  | 349.3  |
| 77.5°  | 173.9  | 177.0  | 177.0  | 177.0  | 178.5  | 184.6  | 192.3  | 204.7  | 223.1  | 243.1  | 258.5  |
| 80°    | 124.6  | 127.7  | 127.7  | 130.8  | 130.8  | 132.3  | 140.0  | 146.2  | 155.4  | 170.8  | 186.2  |
| 82.5°  | 84.6   | 86.2   | 89.2   | 89.2   | 87.7   | 90.8   | 92.3   | 98.5   | 107.7  | 110.8  | 121.6  |
| 85°    | 46.2   | 47.7   | 49.2   | 49.2   | 50.8   | 53.9   | 52.3   | 58.5   | 58.5   | 64.6   | 67.7   |
| 87.5°  | 18.5   | 21.5   | 21.5   | 20.0   | 21.5   | 21.5   | 21.5   | 24.6   | 26.2   | 27.7   | 26.2   |
| 90°    | 27.7   | 27.2   | 26.8   | 26.6   | 26.0   | 24.7   | 23.4   | 22.2   | 20.9   | 19.2   | 17.5   |
| 92.5°  | 25.7   | 25.7   | 25.7   | 25.7   | 25.1   | 23.8   | 22.5   | 21.3   | 20.0   | 18.3   | 16.6   |
| 95°    | 27.2   | 26.9   | 26.7   | 26.6   | 26.0   | 24.7   | 23.4   | 22.2   | 20.9   | 20.7   | 20.5   |
| 97.5°  | 26.2   | 26.0   | 25.8   | 25.7   | 25.2   | 24.1   | 23.0   | 22.0   | 20.9   | 43.1   | 65.3   |
| 100°   | 26.2   | 26.0   | 25.8   | 25.7   | 27.5   | 31.1   | 34.6   | 38.2   | 41.8   | 70.9   | 100.1  |
| 102.5° | 27.6   | 27.6   | 27.6   | 27.6   | 51.4   | 98.9   | 146.4  | 193.9  | 241.4  | 238.9  | 236.3  |
| 105°   | 286.0  | 293.6  | 301.2  | 305.0  | 304.1  | 302.2  | 300.3  | 298.4  | 296.5  | 295.4  | 294.4  |
| 107.5° | 364.2  | 363.3  | 362.4  | 362.0  | 361.5  | 360.4  | 359.4  | 358.3  | 357.3  | 355.8  | 354.3  |
| 110°   | 422.6  | 421.9  | 421.3  | 421.0  | 420.8  | 420.4  | 419.9  | 419.5  | 419.1  | 417.8  | 416.6  |

TEST NUMBER: P1012920

CATALOG NUMBER: S124DIP-B1195D1035UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 480.1  | 479.3  | 478.4  | 478.0  | 478.1  | 478.3  | 478.5  | 478.7  | 478.9  | 478.5  | 478.1  |
| 115°   | 537.8  | 537.8  | 537.8  | 537.8  | 537.6  | 537.2  | 536.7  | 536.3  | 535.9  | 536.1  | 536.3  |
| 117.5° | 595.8  | 595.8  | 595.8  | 595.8  | 595.9  | 596.1  | 596.4  | 596.6  | 596.8  | 596.2  | 595.5  |
| 120°   | 650.8  | 651.3  | 651.7  | 651.9  | 651.7  | 651.3  | 650.8  | 650.4  | 650.0  | 650.2  | 650.4  |
| 122.5° | 704.0  | 704.5  | 704.9  | 705.1  | 705.0  | 704.8  | 704.5  | 704.3  | 704.1  | 703.7  | 703.3  |
| 125°   | 756.0  | 755.8  | 755.6  | 755.5  | 755.2  | 754.5  | 753.9  | 753.2  | 752.6  | 753.0  | 753.4  |
| 127.5° | 803.4  | 803.6  | 803.8  | 803.9  | 804.0  | 804.2  | 804.5  | 804.7  | 804.9  | 803.8  | 802.8  |
| 130°   | 850.5  | 850.5  | 850.5  | 850.5  | 850.4  | 850.2  | 849.9  | 849.7  | 849.5  | 848.9  | 848.3  |
| 132.5° | 894.6  | 894.8  | 895.0  | 895.1  | 895.0  | 894.8  | 894.6  | 894.4  | 894.2  | 893.4  | 892.5  |
| 135°   | 937.1  | 936.6  | 936.2  | 936.0  | 935.8  | 935.4  | 934.9  | 934.5  | 934.1  | 933.3  | 932.4  |
| 137.5° | 975.4  | 975.6  | 975.8  | 975.9  | 975.7  | 975.3  | 974.8  | 974.4  | 974.0  | 973.0  | 971.9  |
| 140°   | 1013.5 | 1013.3 | 1013.1 | 1013.0 | 1012.7 | 1012.0 | 1011.4 | 1010.7 | 1010.1 | 1009.7 | 1009.3 |
| 142.5° | 1046.2 | 1046.2 | 1046.2 | 1046.2 | 1046.0 | 1045.6 | 1045.1 | 1044.7 | 1044.3 | 1044.1 | 1043.9 |
| 145°   | 1078.7 | 1078.2 | 1077.8 | 1077.6 | 1077.5 | 1077.3 | 1077.0 | 1076.8 | 1076.6 | 1076.6 | 1076.6 |
| 147.5° | 1106.7 | 1106.4 | 1106.2 | 1106.1 | 1106.0 | 1105.8 | 1105.6 | 1105.4 | 1105.2 | 1105.4 | 1105.6 |
| 150°   | 1133.3 | 1133.0 | 1132.8 | 1132.7 | 1132.7 | 1132.7 | 1132.7 | 1132.7 | 1132.7 | 1132.9 | 1133.1 |
| 152.5° | 1156.9 | 1157.1 | 1157.3 | 1157.4 | 1157.2 | 1156.8 | 1156.3 | 1155.9 | 1155.5 | 1155.9 | 1156.3 |
| 155°   | 1177.7 | 1178.3 | 1179.0 | 1179.3 | 1178.9 | 1178.0 | 1177.2 | 1176.3 | 1175.5 | 1176.1 | 1176.7 |
| 157.5° | 1195.6 | 1196.7 | 1197.8 | 1198.3 | 1197.8 | 1196.7 | 1195.6 | 1194.6 | 1193.5 | 1194.3 | 1195.2 |
| 160°   | 1213.1 | 1214.4 | 1215.7 | 1216.3 | 1215.7 | 1214.4 | 1213.1 | 1211.9 | 1210.6 | 1210.8 | 1211.0 |
| 162.5° | 1226.9 | 1228.4 | 1229.9 | 1230.6 | 1230.0 | 1228.7 | 1227.4 | 1226.2 | 1224.9 | 1225.1 | 1225.3 |
| 165°   | 1240.1 | 1242.0 | 1243.9 | 1244.8 | 1244.0 | 1242.3 | 1240.6 | 1238.9 | 1237.2 | 1237.2 | 1237.2 |
| 167.5° | 1250.0 | 1252.1 | 1254.2 | 1255.3 | 1254.3 | 1252.4 | 1250.5 | 1248.6 | 1246.7 | 1246.9 | 1247.1 |
| 170°   | 1258.5 | 1260.6 | 1262.7 | 1263.8 | 1263.0 | 1261.3 | 1259.6 | 1257.9 | 1256.2 | 1256.0 | 1255.8 |
| 172.5° | 1263.8 | 1266.1 | 1268.4 | 1269.6 | 1268.7 | 1267.0 | 1265.3 | 1263.6 | 1261.9 | 1261.7 | 1261.5 |
| 175°   | 1268.0 | 1270.5 | 1273.0 | 1274.3 | 1273.3 | 1271.4 | 1269.5 | 1267.6 | 1265.7 | 1265.5 | 1265.3 |
| 177.5° | 1269.9 | 1272.4 | 1274.9 | 1276.2 | 1275.4 | 1273.7 | 1272.0 | 1270.3 | 1268.6 | 1268.2 | 1267.8 |
| 180°   | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 |
| 2.5°   | 1915.7 | 1909.6 | 1905.0 | 1905.0 | 1891.1 | 1877.3 | 1869.6 | 1866.5 | 1863.4 | 1851.1 | 1834.2 |
| 5°     | 1994.2 | 1974.2 | 1960.4 | 1946.5 | 1923.4 | 1898.8 | 1874.2 | 1860.3 | 1840.3 | 1812.6 | 1792.6 |
| 7.5°   | 2081.9 | 2034.2 | 2018.8 | 2001.9 | 1955.7 | 1914.2 | 1880.4 | 1851.1 | 1818.8 | 1783.4 | 1748.0 |
| 10°    | 2155.8 | 2105.0 | 2071.2 | 2041.9 | 1981.9 | 1926.5 | 1875.7 | 1832.6 | 1791.1 | 1744.9 | 1701.9 |
| 12.5°  | 2226.6 | 2154.2 | 2118.9 | 2075.8 | 2012.7 | 1932.7 | 1866.5 | 1812.6 | 1751.1 | 1703.4 | 1651.1 |
| 15°    | 2325.0 | 2203.5 | 2145.0 | 2117.3 | 2032.7 | 1938.8 | 1858.8 | 1778.8 | 1728.0 | 1655.7 | 1609.5 |
| 17.5°  | 2340.4 | 2242.0 | 2203.5 | 2132.7 | 2031.1 | 1925.0 | 1832.6 | 1752.6 | 1675.7 | 1611.1 | 1551.1 |
| 20°    | 2394.3 | 2265.0 | 2203.5 | 2158.9 | 2025.0 | 1917.3 | 1815.7 | 1712.6 | 1638.8 | 1569.5 | 1501.8 |
| 22.5°  | 2428.1 | 2282.0 | 2217.3 | 2146.6 | 2018.8 | 1889.6 | 1769.6 | 1680.3 | 1589.5 | 1518.7 | 1464.9 |
| 25°    | 2418.9 | 2272.7 | 2200.4 | 2134.2 | 1978.8 | 1849.6 | 1741.9 | 1628.0 | 1543.4 | 1466.4 | 1395.6 |
| 27.5°  | 2414.3 | 2249.6 | 2172.7 | 2098.9 | 1952.7 | 1817.3 | 1681.9 | 1589.5 | 1495.7 | 1406.4 | 1354.1 |
| 30°    | 2402.0 | 2220.4 | 2131.2 | 2051.2 | 1898.8 | 1757.3 | 1641.8 | 1534.1 | 1440.3 | 1358.7 | 1289.5 |
| 32.5°  | 2360.4 | 2171.2 | 2085.0 | 1998.8 | 1840.3 | 1698.8 | 1581.8 | 1481.8 | 1388.0 | 1303.3 | 1237.2 |
| 35°    | 2305.0 | 2112.7 | 2018.8 | 1928.1 | 1769.6 | 1626.5 | 1518.7 | 1414.1 | 1326.4 | 1244.8 | 1181.8 |
| 37.5°  | 2249.6 | 2045.0 | 1957.3 | 1852.7 | 1706.5 | 1557.2 | 1446.4 | 1352.6 | 1271.0 | 1186.4 | 1117.1 |
| 40°    | 2169.6 | 1965.0 | 1868.0 | 1778.8 | 1608.0 | 1468.0 | 1366.4 | 1281.8 | 1201.8 | 1121.7 | 1063.3 |
| 42.5°  | 2060.4 | 1877.3 | 1777.3 | 1678.8 | 1518.7 | 1380.3 | 1281.8 | 1206.4 | 1131.0 | 1064.8 | 1000.2 |
| 45°    | 1949.6 | 1771.1 | 1681.9 | 1594.1 | 1420.3 | 1289.5 | 1198.7 | 1129.4 | 1066.4 | 994.0  | 941.7  |
| 47.5°  | 1815.7 | 1664.9 | 1575.7 | 1489.5 | 1324.9 | 1194.1 | 1111.0 | 1046.3 | 987.9  | 927.9  | 878.6  |
| 50°    | 1678.8 | 1548.0 | 1466.4 | 1377.2 | 1220.2 | 1101.7 | 1020.2 | 966.3  | 918.6  | 861.7  | 821.7  |
| 52.5°  | 1531.1 | 1417.2 | 1347.9 | 1261.8 | 1123.3 | 1014.0 | 930.9  | 877.1  | 837.1  | 795.5  | 760.1  |
| 55°    | 1374.1 | 1291.0 | 1217.1 | 1147.9 | 1017.1 | 918.6  | 844.8  | 797.1  | 769.4  | 730.9  | 700.1  |
| 57.5°  | 1232.5 | 1152.5 | 1107.9 | 1029.4 | 915.6  | 818.6  | 760.1  | 720.1  | 687.8  | 664.7  | 640.1  |
| 60°    | 1084.8 | 1020.2 | 971.0  | 914.0  | 814.0  | 732.4  | 670.9  | 647.8  | 614.0  | 597.0  | 586.3  |
| 62.5°  | 943.3  | 897.1  | 850.9  | 807.8  | 718.6  | 641.7  | 595.5  | 566.3  | 546.3  | 529.3  | 520.1  |
| 65°    | 809.4  | 766.3  | 734.0  | 695.5  | 621.7  | 560.1  | 517.0  | 493.9  | 473.9  | 469.3  | 458.5  |
| 67.5°  | 678.6  | 660.1  | 624.7  | 594.0  | 530.9  | 483.2  | 450.9  | 421.6  | 410.8  | 406.2  | 397.0  |
| 70°    | 567.8  | 546.3  | 518.6  | 492.4  | 444.7  | 403.2  | 373.9  | 363.1  | 347.8  | 346.2  | 335.4  |
| 72.5°  | 467.8  | 441.6  | 421.6  | 401.6  | 366.2  | 329.3  | 313.9  | 298.5  | 290.8  | 284.7  | 280.1  |
| 75°    | 370.8  | 352.4  | 338.5  | 321.6  | 290.8  | 266.2  | 244.7  | 238.5  | 233.9  | 232.4  | 229.3  |
| 77.5°  | 277.0  | 264.7  | 258.5  | 241.6  | 220.0  | 198.5  | 189.3  | 180.0  | 180.0  | 177.0  | 178.5  |
| 80°    | 197.0  | 189.3  | 181.6  | 172.3  | 153.9  | 144.6  | 136.9  | 130.8  | 127.7  | 126.2  | 127.7  |
| 82.5°  | 124.6  | 120.0  | 118.5  | 112.3  | 100.0  | 95.4   | 89.2   | 84.6   | 84.6   | 84.6   | 84.6   |
| 85°    | 69.2   | 69.2   | 69.2   | 60.0   | 55.4   | 50.8   | 47.7   | 46.2   | 46.2   | 46.2   | 47.7   |
| 87.5°  | 29.2   | 29.2   | 24.6   | 24.6   | 23.1   | 20.0   | 18.5   | 18.5   | 20.0   | 20.0   | 21.5   |
| 90°    | 15.8   | 14.1   | 13.3   | 12.1   | 9.8    | 7.5    | 5.2    | 2.9    | 5.2    | 7.5    | 9.8    |
| 92.5°  | 14.9   | 13.2   | 12.4   | 12.6   | 13.0   | 13.5   | 13.9   | 14.3   | 13.9   | 13.5   | 13.0   |
| 95°    | 20.3   | 20.1   | 20.0   | 23.6   | 30.8   | 37.9   | 45.1   | 52.3   | 45.1   | 37.9   | 30.8   |
| 97.5°  | 87.4   | 109.6  | 120.7  | 118.4  | 113.7  | 109.1  | 104.4  | 99.8   | 104.4  | 109.1  | 113.7  |
| 100°   | 129.2  | 158.3  | 172.9  | 171.0  | 167.2  | 163.4  | 159.6  | 155.8  | 159.6  | 163.4  | 167.2  |
| 102.5° | 233.8  | 231.3  | 230.0  | 228.7  | 226.2  | 223.7  | 221.1  | 218.6  | 221.1  | 223.7  | 226.2  |
| 105°   | 293.3  | 292.2  | 291.7  | 291.1  | 289.8  | 288.5  | 287.3  | 286.0  | 287.3  | 288.5  | 289.8  |
| 107.5° | 352.8  | 351.3  | 350.6  | 350.3  | 349.7  | 349.0  | 348.4  | 347.8  | 348.4  | 349.0  | 349.7  |
| 110°   | 415.3  | 414.0  | 413.4  | 413.1  | 412.4  | 411.8  | 411.1  | 410.5  | 411.1  | 411.8  | 412.4  |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 477.6  | 477.2  | 477.0  | 476.4  | 475.1  | 473.8  | 472.6  | 471.3  | 472.6  | 473.8  | 475.1  |
| 115°   | 536.6  | 536.8  | 536.9  | 536.6  | 535.9  | 535.3  | 534.6  | 534.0  | 534.6  | 535.3  | 535.9  |
| 117.5° | 594.9  | 594.2  | 593.9  | 593.5  | 592.6  | 591.8  | 590.9  | 590.1  | 590.9  | 591.8  | 592.6  |
| 120°   | 650.6  | 650.8  | 650.9  | 650.5  | 649.6  | 648.8  | 647.9  | 647.1  | 647.9  | 648.8  | 649.6  |
| 122.5° | 702.8  | 702.4  | 702.2  | 702.0  | 701.6  | 701.1  | 700.7  | 700.3  | 700.7  | 701.1  | 701.6  |
| 125°   | 753.9  | 754.3  | 754.5  | 754.1  | 753.2  | 752.4  | 751.5  | 750.7  | 751.5  | 752.4  | 753.2  |
| 127.5° | 801.7  | 800.6  | 800.1  | 800.0  | 799.8  | 799.6  | 799.4  | 799.2  | 799.4  | 799.6  | 799.8  |
| 130°   | 847.6  | 847.0  | 846.7  | 846.6  | 846.4  | 846.1  | 845.9  | 845.7  | 845.9  | 846.1  | 846.4  |
| 132.5° | 891.7  | 890.8  | 890.4  | 890.2  | 889.8  | 889.3  | 888.9  | 888.5  | 888.9  | 889.3  | 889.8  |
| 135°   | 931.6  | 930.7  | 930.3  | 930.4  | 930.6  | 930.9  | 931.1  | 931.3  | 931.1  | 930.9  | 930.6  |
| 137.5° | 970.9  | 969.8  | 969.3  | 969.3  | 969.3  | 969.3  | 969.3  | 969.3  | 969.3  | 969.3  | 969.3  |
| 140°   | 1008.8 | 1008.4 | 1008.2 | 1008.0 | 1007.6 | 1007.1 | 1006.7 | 1006.3 | 1006.7 | 1007.1 | 1007.6 |
| 142.5° | 1043.7 | 1043.5 | 1043.4 | 1043.0 | 1042.1 | 1041.3 | 1040.4 | 1039.6 | 1040.4 | 1041.3 | 1042.1 |
| 145°   | 1076.6 | 1076.6 | 1076.6 | 1076.3 | 1075.7 | 1075.0 | 1074.4 | 1073.8 | 1074.4 | 1075.0 | 1075.7 |
| 147.5° | 1105.8 | 1106.0 | 1106.1 | 1105.5 | 1104.2 | 1102.9 | 1101.7 | 1100.4 | 1101.7 | 1102.9 | 1104.2 |
| 150°   | 1133.4 | 1133.6 | 1133.7 | 1133.3 | 1132.4 | 1131.6 | 1130.7 | 1129.9 | 1130.7 | 1131.6 | 1132.4 |
| 152.5° | 1156.8 | 1157.2 | 1157.4 | 1157.1 | 1156.5 | 1155.8 | 1155.2 | 1154.6 | 1155.2 | 1155.8 | 1156.5 |
| 155°   | 1177.4 | 1178.0 | 1178.3 | 1178.2 | 1178.0 | 1177.8 | 1177.6 | 1177.4 | 1177.6 | 1177.8 | 1178.0 |
| 157.5° | 1196.0 | 1196.9 | 1197.3 | 1197.3 | 1197.3 | 1197.3 | 1197.3 | 1197.3 | 1197.3 | 1197.3 | 1197.3 |
| 160°   | 1211.3 | 1211.5 | 1211.6 | 1211.9 | 1212.5 | 1213.2 | 1213.8 | 1214.4 | 1213.8 | 1213.2 | 1212.5 |
| 162.5° | 1225.5 | 1225.7 | 1225.8 | 1226.2 | 1227.1 | 1227.9 | 1228.8 | 1229.6 | 1228.8 | 1227.9 | 1227.1 |
| 165°   | 1237.2 | 1237.2 | 1237.2 | 1237.7 | 1238.8 | 1239.9 | 1240.9 | 1242.0 | 1240.9 | 1239.9 | 1238.8 |
| 167.5° | 1247.4 | 1247.6 | 1247.7 | 1248.2 | 1249.3 | 1250.3 | 1251.4 | 1252.4 | 1251.4 | 1250.3 | 1249.3 |
| 170°   | 1255.6 | 1255.4 | 1255.3 | 1255.9 | 1257.2 | 1258.5 | 1259.7 | 1261.0 | 1259.7 | 1258.5 | 1257.2 |
| 172.5° | 1261.3 | 1261.1 | 1261.0 | 1261.6 | 1262.9 | 1264.2 | 1265.4 | 1266.7 | 1265.4 | 1264.2 | 1262.9 |
| 175°   | 1265.1 | 1264.9 | 1264.8 | 1265.4 | 1266.7 | 1268.0 | 1269.2 | 1270.5 | 1269.2 | 1268.0 | 1266.7 |
| 177.5° | 1267.3 | 1266.9 | 1266.7 | 1267.4 | 1268.9 | 1270.4 | 1271.9 | 1273.4 | 1271.9 | 1270.4 | 1268.9 |
| 180°   | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 |

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**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 |
| 2.5°   | 1829.6 | 1823.4 | 1826.5 | 1811.1 | 1797.3 | 1777.3 | 1760.3 | 1757.3 | 1754.2 | 1763.4 | 1757.3 |
| 5°     | 1777.3 | 1769.6 | 1761.9 | 1743.4 | 1715.7 | 1698.8 | 1674.2 | 1672.6 | 1663.4 | 1649.5 | 1652.6 |
| 7.5°   | 1720.3 | 1715.7 | 1704.9 | 1675.7 | 1651.1 | 1621.8 | 1601.8 | 1584.9 | 1577.2 | 1564.9 | 1560.3 |
| 10°    | 1674.2 | 1657.2 | 1648.0 | 1615.7 | 1586.4 | 1555.7 | 1529.5 | 1517.2 | 1503.4 | 1492.6 | 1484.9 |
| 12.5°  | 1611.1 | 1606.5 | 1580.3 | 1554.1 | 1529.5 | 1494.1 | 1474.1 | 1438.7 | 1420.3 | 1429.5 | 1426.4 |
| 15°    | 1569.5 | 1548.0 | 1541.8 | 1504.9 | 1463.3 | 1440.3 | 1403.3 | 1380.3 | 1372.6 | 1358.7 | 1341.8 |
| 17.5°  | 1514.1 | 1500.3 | 1478.7 | 1444.9 | 1397.2 | 1364.9 | 1338.7 | 1317.2 | 1307.9 | 1289.5 | 1275.6 |
| 20°    | 1461.8 | 1438.7 | 1421.8 | 1391.0 | 1344.9 | 1303.3 | 1271.0 | 1257.2 | 1234.1 | 1218.7 | 1211.0 |
| 22.5°  | 1414.1 | 1397.2 | 1372.6 | 1326.4 | 1286.4 | 1246.4 | 1207.9 | 1187.9 | 1166.4 | 1157.1 | 1144.8 |
| 25°    | 1355.6 | 1327.9 | 1311.0 | 1260.2 | 1217.1 | 1184.8 | 1149.4 | 1123.3 | 1111.0 | 1095.6 | 1092.5 |
| 27.5°  | 1298.7 | 1272.5 | 1252.5 | 1207.9 | 1155.6 | 1114.1 | 1092.5 | 1074.0 | 1052.5 | 1052.5 | 1044.8 |
| 30°    | 1241.8 | 1223.3 | 1192.5 | 1149.4 | 1100.2 | 1060.2 | 1035.6 | 1018.7 | 1011.0 | 1004.8 | 1003.3 |
| 32.5°  | 1184.8 | 1160.2 | 1141.8 | 1083.3 | 1046.3 | 1009.4 | 991.0  | 977.1  | 967.9  | 966.3  | 967.9  |
| 35°    | 1126.4 | 1098.7 | 1080.2 | 1027.9 | 991.0  | 957.1  | 949.4  | 937.1  | 932.5  | 930.9  | 938.6  |
| 37.5°  | 1064.8 | 1043.3 | 1020.2 | 977.1  | 935.6  | 915.6  | 900.2  | 895.6  | 894.0  | 903.2  | 906.3  |
| 40°    | 1007.9 | 989.4  | 967.9  | 921.7  | 890.9  | 869.4  | 861.7  | 857.1  | 863.2  | 872.5  | 877.1  |
| 42.5°  | 954.0  | 927.9  | 910.9  | 869.4  | 841.7  | 829.4  | 820.2  | 820.2  | 826.3  | 837.1  | 844.8  |
| 45°    | 897.1  | 877.1  | 860.2  | 823.2  | 798.6  | 784.8  | 783.2  | 784.8  | 792.5  | 800.1  | 809.4  |
| 47.5°  | 841.7  | 821.7  | 803.2  | 772.5  | 750.9  | 743.2  | 741.7  | 743.2  | 755.5  | 766.3  | 777.1  |
| 50°    | 790.9  | 769.4  | 752.4  | 723.2  | 706.3  | 697.1  | 698.6  | 706.3  | 715.5  | 730.9  | 744.8  |
| 52.5°  | 730.9  | 715.5  | 700.1  | 674.0  | 658.6  | 652.4  | 657.0  | 663.2  | 680.1  | 690.9  | 707.8  |
| 55°    | 672.4  | 658.6  | 646.3  | 626.3  | 614.0  | 609.3  | 612.4  | 621.7  | 635.5  | 654.0  | 674.0  |
| 57.5°  | 618.6  | 603.2  | 590.9  | 577.0  | 563.2  | 564.7  | 566.3  | 578.6  | 595.5  | 612.4  | 635.5  |
| 60°    | 558.6  | 549.3  | 538.6  | 521.6  | 515.5  | 515.5  | 520.1  | 533.9  | 549.3  | 577.0  | 597.0  |
| 62.5°  | 504.7  | 492.4  | 484.7  | 473.9  | 464.7  | 466.2  | 477.0  | 489.3  | 507.8  | 530.9  | 557.0  |
| 65°    | 449.3  | 435.5  | 429.3  | 420.1  | 417.0  | 418.5  | 426.2  | 444.7  | 464.7  | 484.7  | 509.3  |
| 67.5°  | 387.8  | 383.1  | 377.0  | 367.8  | 370.8  | 372.4  | 380.1  | 395.5  | 417.0  | 437.0  | 464.7  |
| 70°    | 335.4  | 326.2  | 324.7  | 317.0  | 317.0  | 321.6  | 337.0  | 347.8  | 367.8  | 389.3  | 418.5  |
| 72.5°  | 280.1  | 272.4  | 272.4  | 266.2  | 270.8  | 275.4  | 283.1  | 298.5  | 317.0  | 338.5  | 363.1  |
| 75°    | 223.1  | 220.0  | 223.1  | 220.0  | 220.0  | 227.7  | 237.0  | 249.3  | 269.3  | 292.4  | 312.4  |
| 77.5°  | 172.3  | 172.3  | 170.8  | 175.4  | 175.4  | 180.0  | 192.3  | 204.7  | 220.0  | 238.5  | 260.0  |
| 80°    | 126.2  | 126.2  | 126.2  | 130.8  | 135.4  | 135.4  | 143.1  | 158.5  | 172.3  | 184.6  | 204.7  |
| 82.5°  | 86.2   | 86.2   | 86.2   | 89.2   | 95.4   | 95.4   | 104.6  | 113.9  | 129.3  | 140.0  | 149.3  |
| 85°    | 52.3   | 52.3   | 50.8   | 53.9   | 55.4   | 60.0   | 67.7   | 73.9   | 81.6   | 90.8   | 100.0  |
| 87.5°  | 23.1   | 23.1   | 24.6   | 26.2   | 27.7   | 30.8   | 33.9   | 36.9   | 44.6   | 47.7   | 52.3   |
| 90°    | 12.1   | 13.3   | 14.1   | 15.8   | 17.5   | 19.2   | 20.9   | 22.2   | 23.4   | 24.7   | 26.0   |
| 92.5°  | 12.6   | 12.4   | 13.2   | 14.9   | 16.6   | 18.3   | 20.0   | 21.3   | 22.5   | 23.8   | 25.1   |
| 95°    | 23.6   | 20.0   | 20.1   | 20.3   | 20.5   | 20.7   | 20.9   | 22.2   | 23.4   | 24.7   | 26.0   |
| 97.5°  | 118.4  | 120.7  | 109.6  | 87.4   | 65.3   | 43.1   | 20.9   | 22.0   | 23.0   | 24.1   | 25.2   |
| 100°   | 171.0  | 172.9  | 158.3  | 129.2  | 100.1  | 70.9   | 41.8   | 38.2   | 34.6   | 31.1   | 27.5   |
| 102.5° | 228.7  | 230.0  | 231.3  | 233.8  | 236.3  | 238.9  | 241.4  | 193.9  | 146.4  | 98.9   | 51.4   |
| 105°   | 291.1  | 291.7  | 292.2  | 293.3  | 294.4  | 295.4  | 296.5  | 298.4  | 300.3  | 302.2  | 304.1  |
| 107.5° | 350.3  | 350.6  | 351.3  | 352.8  | 354.3  | 355.8  | 357.3  | 358.3  | 359.4  | 360.4  | 361.5  |
| 110°   | 413.1  | 413.4  | 414.0  | 415.3  | 416.6  | 417.8  | 419.1  | 419.5  | 419.9  | 420.4  | 420.8  |

TEST NUMBER: P1012920

CATALOG NUMBER: S124DIP-B1195D1035UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 476.4  | 477.0  | 477.2  | 477.6  | 478.1  | 478.5  | 478.9  | 478.7  | 478.5  | 478.3  | 478.1  |
| 115°   | 536.6  | 536.9  | 536.8  | 536.6  | 536.3  | 536.1  | 535.9  | 536.3  | 536.7  | 537.2  | 537.6  |
| 117.5° | 593.5  | 593.9  | 594.2  | 594.9  | 595.5  | 596.2  | 596.8  | 596.6  | 596.4  | 596.1  | 595.9  |
| 120°   | 650.5  | 650.9  | 650.8  | 650.6  | 650.4  | 650.2  | 650.0  | 650.4  | 650.8  | 651.3  | 651.7  |
| 122.5° | 702.0  | 702.2  | 702.4  | 702.8  | 703.3  | 703.7  | 704.1  | 704.3  | 704.5  | 704.8  | 705.0  |
| 125°   | 754.1  | 754.5  | 754.3  | 753.9  | 753.4  | 753.0  | 752.6  | 753.2  | 753.9  | 754.5  | 755.2  |
| 127.5° | 800.0  | 800.1  | 800.6  | 801.7  | 802.8  | 803.8  | 804.9  | 804.7  | 804.5  | 804.2  | 804.0  |
| 130°   | 846.6  | 846.7  | 847.0  | 847.6  | 848.3  | 848.9  | 849.5  | 849.7  | 849.9  | 850.2  | 850.4  |
| 132.5° | 890.2  | 890.4  | 890.8  | 891.7  | 892.5  | 893.4  | 894.2  | 894.4  | 894.6  | 894.8  | 895.0  |
| 135°   | 930.4  | 930.3  | 930.7  | 931.6  | 932.4  | 933.3  | 934.1  | 934.5  | 934.9  | 935.4  | 935.8  |
| 137.5° | 969.3  | 969.3  | 969.8  | 970.9  | 971.9  | 973.0  | 974.0  | 974.4  | 974.8  | 975.3  | 975.7  |
| 140°   | 1008.0 | 1008.2 | 1008.4 | 1008.8 | 1009.3 | 1009.7 | 1010.1 | 1010.7 | 1011.4 | 1012.0 | 1012.7 |
| 142.5° | 1043.0 | 1043.4 | 1043.5 | 1043.7 | 1043.9 | 1044.1 | 1044.3 | 1044.7 | 1045.1 | 1045.6 | 1046.0 |
| 145°   | 1076.3 | 1076.6 | 1076.6 | 1076.6 | 1076.6 | 1076.6 | 1076.6 | 1076.8 | 1077.0 | 1077.3 | 1077.5 |
| 147.5° | 1105.5 | 1106.1 | 1106.0 | 1105.8 | 1105.6 | 1105.4 | 1105.2 | 1105.4 | 1105.6 | 1105.8 | 1106.0 |
| 150°   | 1133.3 | 1133.7 | 1133.6 | 1133.4 | 1133.1 | 1132.9 | 1132.7 | 1132.7 | 1132.7 | 1132.7 | 1132.7 |
| 152.5° | 1157.1 | 1157.4 | 1157.2 | 1156.8 | 1156.3 | 1155.9 | 1155.5 | 1155.9 | 1156.3 | 1156.8 | 1157.2 |
| 155°   | 1178.2 | 1178.3 | 1178.0 | 1177.4 | 1176.7 | 1176.1 | 1175.5 | 1176.3 | 1177.2 | 1178.0 | 1178.9 |
| 157.5° | 1197.3 | 1197.3 | 1196.9 | 1196.0 | 1195.2 | 1194.3 | 1193.5 | 1194.6 | 1195.6 | 1196.7 | 1197.8 |
| 160°   | 1211.9 | 1211.6 | 1211.5 | 1211.3 | 1211.0 | 1210.8 | 1210.6 | 1211.9 | 1213.1 | 1214.4 | 1215.7 |
| 162.5° | 1226.2 | 1225.8 | 1225.7 | 1225.5 | 1225.3 | 1225.1 | 1224.9 | 1226.2 | 1227.4 | 1228.7 | 1230.0 |
| 165°   | 1237.7 | 1237.2 | 1237.2 | 1237.2 | 1237.2 | 1237.2 | 1237.2 | 1238.9 | 1240.6 | 1242.3 | 1244.0 |
| 167.5° | 1248.2 | 1247.7 | 1247.6 | 1247.4 | 1247.1 | 1246.9 | 1246.7 | 1248.6 | 1250.5 | 1252.4 | 1254.3 |
| 170°   | 1255.9 | 1255.3 | 1255.4 | 1255.6 | 1255.8 | 1256.0 | 1256.2 | 1257.9 | 1259.6 | 1261.3 | 1263.0 |
| 172.5° | 1261.6 | 1261.0 | 1261.1 | 1261.3 | 1261.5 | 1261.7 | 1261.9 | 1263.6 | 1265.3 | 1267.0 | 1268.7 |
| 175°   | 1265.4 | 1264.8 | 1264.9 | 1265.1 | 1265.3 | 1265.5 | 1265.7 | 1267.6 | 1269.5 | 1271.4 | 1273.3 |
| 177.5° | 1267.4 | 1266.7 | 1266.9 | 1267.3 | 1267.8 | 1268.2 | 1268.6 | 1270.3 | 1272.0 | 1273.7 | 1275.4 |
| 180°   | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 |



TEST NUMBER: P1012920

CATALOG NUMBER: S124DIP-B1195D1035UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 |
| 2.5°   | 1752.6 | 1751.1 | 1743.4 | 1746.5 | 1737.2 | 1740.3 | 1744.9 | 1746.5 | 1752.6 | 1748.0 | 1746.5 |
| 5°     | 1644.9 | 1641.8 | 1637.2 | 1632.6 | 1631.1 | 1637.2 | 1626.5 | 1629.5 | 1632.6 | 1637.2 | 1643.4 |
| 7.5°   | 1557.2 | 1555.7 | 1551.1 | 1543.4 | 1540.3 | 1537.2 | 1538.7 | 1549.5 | 1548.0 | 1546.4 | 1557.2 |
| 10°    | 1477.2 | 1478.7 | 1469.5 | 1468.0 | 1458.7 | 1457.2 | 1458.7 | 1461.8 | 1466.4 | 1472.6 | 1474.1 |
| 12.5°  | 1394.1 | 1414.1 | 1397.2 | 1391.0 | 1377.2 | 1384.9 | 1388.0 | 1374.1 | 1381.8 | 1386.4 | 1409.5 |
| 15°    | 1341.8 | 1332.6 | 1321.8 | 1321.8 | 1315.6 | 1312.6 | 1304.9 | 1315.6 | 1321.8 | 1331.0 | 1327.9 |
| 17.5°  | 1269.5 | 1254.1 | 1247.9 | 1241.8 | 1243.3 | 1249.5 | 1232.5 | 1257.2 | 1257.2 | 1261.8 | 1254.1 |
| 20°    | 1206.4 | 1194.1 | 1186.4 | 1183.3 | 1178.7 | 1175.6 | 1174.1 | 1180.2 | 1189.5 | 1192.5 | 1200.2 |
| 22.5°  | 1140.2 | 1140.2 | 1127.9 | 1123.3 | 1120.2 | 1115.6 | 1123.3 | 1118.7 | 1124.8 | 1131.0 | 1143.3 |
| 25°    | 1084.8 | 1084.8 | 1080.2 | 1074.0 | 1069.4 | 1066.4 | 1071.0 | 1069.4 | 1074.0 | 1081.7 | 1084.8 |
| 27.5°  | 1040.2 | 1035.6 | 1034.0 | 1032.5 | 1031.0 | 1032.5 | 1031.0 | 1035.6 | 1040.2 | 1041.7 | 1038.7 |
| 30°    | 1001.7 | 997.1  | 998.6  | 998.6  | 1000.2 | 998.6  | 997.1  | 1001.7 | 1003.3 | 1000.2 | 1001.7 |
| 32.5°  | 966.3  | 966.3  | 969.4  | 971.0  | 971.0  | 972.5  | 974.0  | 971.0  | 972.5  | 967.9  | 969.4  |
| 35°    | 937.1  | 940.2  | 943.3  | 944.8  | 946.3  | 944.8  | 947.9  | 946.3  | 943.3  | 940.2  | 938.6  |
| 37.5°  | 907.9  | 910.9  | 917.1  | 918.6  | 923.2  | 924.8  | 921.7  | 921.7  | 920.2  | 914.0  | 910.9  |
| 40°    | 877.1  | 880.2  | 887.9  | 892.5  | 895.6  | 900.2  | 897.1  | 897.1  | 890.9  | 884.8  | 880.2  |
| 42.5°  | 847.9  | 854.0  | 861.7  | 866.3  | 872.5  | 872.5  | 872.5  | 869.4  | 861.7  | 855.5  | 850.9  |
| 45°    | 818.6  | 820.2  | 830.9  | 838.6  | 844.8  | 844.8  | 844.8  | 840.2  | 835.5  | 823.2  | 817.1  |
| 47.5°  | 786.3  | 790.9  | 803.2  | 810.9  | 817.1  | 818.6  | 818.6  | 814.0  | 804.8  | 794.0  | 786.3  |
| 50°    | 750.9  | 758.6  | 772.5  | 783.2  | 790.9  | 794.0  | 789.4  | 786.3  | 775.5  | 763.2  | 754.0  |
| 52.5°  | 717.1  | 726.3  | 743.2  | 752.4  | 763.2  | 764.8  | 763.2  | 758.6  | 746.3  | 729.4  | 721.7  |
| 55°    | 683.2  | 690.9  | 709.4  | 724.8  | 734.0  | 737.1  | 734.0  | 726.3  | 710.9  | 694.0  | 686.3  |
| 57.5°  | 646.3  | 657.0  | 677.0  | 692.4  | 703.2  | 704.7  | 701.7  | 694.0  | 681.7  | 660.1  | 649.4  |
| 60°    | 607.8  | 621.7  | 641.7  | 657.0  | 670.9  | 672.4  | 669.4  | 658.6  | 643.2  | 621.7  | 612.4  |
| 62.5°  | 569.3  | 580.1  | 603.2  | 620.1  | 630.9  | 638.6  | 632.4  | 621.7  | 606.3  | 584.7  | 570.9  |
| 65°    | 524.7  | 540.1  | 560.1  | 575.5  | 587.8  | 589.3  | 586.3  | 577.0  | 560.1  | 537.0  | 526.3  |
| 67.5°  | 481.6  | 492.4  | 512.4  | 532.4  | 537.0  | 541.6  | 537.0  | 527.8  | 513.9  | 493.9  | 478.6  |
| 70°    | 429.3  | 438.5  | 463.2  | 477.0  | 483.2  | 487.8  | 484.7  | 475.5  | 463.2  | 444.7  | 432.4  |
| 72.5°  | 377.0  | 384.7  | 407.8  | 418.5  | 430.8  | 429.3  | 427.8  | 421.6  | 404.7  | 392.4  | 384.7  |
| 75°    | 321.6  | 330.8  | 346.2  | 360.1  | 364.7  | 364.7  | 364.7  | 360.1  | 349.3  | 329.3  | 321.6  |
| 77.5°  | 270.8  | 275.4  | 287.7  | 295.4  | 300.1  | 301.6  | 300.1  | 292.4  | 286.2  | 272.4  | 267.7  |
| 80°    | 207.7  | 220.0  | 229.3  | 230.8  | 237.0  | 237.0  | 237.0  | 233.9  | 227.7  | 213.9  | 212.3  |
| 82.5°  | 157.0  | 160.0  | 169.3  | 173.9  | 177.0  | 175.4  | 175.4  | 169.3  | 167.7  | 160.0  | 157.0  |
| 85°    | 106.2  | 110.8  | 109.3  | 115.4  | 116.9  | 113.9  | 113.9  | 116.9  | 109.3  | 110.8  | 106.2  |
| 87.5°  | 58.5   | 58.5   | 61.5   | 60.0   | 66.2   | 66.2   | 63.1   | 64.6   | 61.5   | 60.0   | 58.5   |
| 90°    | 26.6   | 26.8   | 27.2   | 27.7   | 28.1   | 28.5   | 28.1   | 27.7   | 27.2   | 26.8   | 26.6   |
| 92.5°  | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   |
| 95°    | 26.6   | 26.7   | 26.9   | 27.2   | 27.4   | 27.6   | 27.4   | 27.2   | 26.9   | 26.7   | 26.6   |
| 97.5°  | 25.7   | 25.8   | 26.0   | 26.2   | 26.4   | 26.6   | 26.4   | 26.2   | 26.0   | 25.8   | 25.7   |
| 100°   | 25.7   | 25.8   | 26.0   | 26.2   | 26.4   | 26.6   | 26.4   | 26.2   | 26.0   | 25.8   | 25.7   |
| 102.5° | 27.6   | 27.6   | 27.6   | 27.6   | 27.6   | 27.6   | 27.6   | 27.6   | 27.6   | 27.6   | 27.6   |
| 105°   | 305.0  | 301.2  | 293.6  | 286.0  | 278.4  | 270.8  | 278.4  | 286.0  | 293.6  | 301.2  | 305.0  |
| 107.5° | 362.0  | 362.4  | 363.3  | 364.2  | 365.0  | 365.9  | 365.0  | 364.2  | 363.3  | 362.4  | 362.0  |
| 110°   | 421.0  | 421.3  | 421.9  | 422.6  | 423.2  | 423.8  | 423.2  | 422.6  | 421.9  | 421.3  | 421.0  |



TEST NUMBER: P1012920

CATALOG NUMBER: S124DIP-B1195D1035UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 478.0  | 478.4  | 479.3  | 480.1  | 481.0  | 481.8  | 481.0  | 480.1  | 479.3  | 478.4  | 478.0  |
| 115°   | 537.8  | 537.8  | 537.8  | 537.8  | 537.8  | 537.8  | 537.8  | 537.8  | 537.8  | 537.8  | 537.8  |
| 117.5° | 595.8  | 595.8  | 595.8  | 595.8  | 595.8  | 595.8  | 595.8  | 595.8  | 595.8  | 595.8  | 595.8  |
| 120°   | 651.9  | 651.7  | 651.3  | 650.8  | 650.4  | 650.0  | 650.4  | 650.8  | 651.3  | 651.7  | 651.9  |
| 122.5° | 705.1  | 704.9  | 704.5  | 704.0  | 703.6  | 703.2  | 703.6  | 704.0  | 704.5  | 704.9  | 705.1  |
| 125°   | 755.5  | 755.6  | 755.8  | 756.0  | 756.2  | 756.4  | 756.2  | 756.0  | 755.8  | 755.6  | 755.5  |
| 127.5° | 803.9  | 803.8  | 803.6  | 803.4  | 803.2  | 803.0  | 803.2  | 803.4  | 803.6  | 803.8  | 803.9  |
| 130°   | 850.5  | 850.5  | 850.5  | 850.5  | 850.5  | 850.5  | 850.5  | 850.5  | 850.5  | 850.5  | 850.5  |
| 132.5° | 895.1  | 895.0  | 894.8  | 894.6  | 894.4  | 894.2  | 894.4  | 894.6  | 894.8  | 895.0  | 895.1  |
| 135°   | 936.0  | 936.2  | 936.6  | 937.1  | 937.5  | 937.9  | 937.5  | 937.1  | 936.6  | 936.2  | 936.0  |
| 137.5° | 975.9  | 975.8  | 975.6  | 975.4  | 975.2  | 975.0  | 975.2  | 975.4  | 975.6  | 975.8  | 975.9  |
| 140°   | 1013.0 | 1013.1 | 1013.3 | 1013.5 | 1013.7 | 1013.9 | 1013.7 | 1013.5 | 1013.3 | 1013.1 | 1013.0 |
| 142.5° | 1046.2 | 1046.2 | 1046.2 | 1046.2 | 1046.2 | 1046.2 | 1046.2 | 1046.2 | 1046.2 | 1046.2 | 1046.2 |
| 145°   | 1077.6 | 1077.8 | 1078.2 | 1078.7 | 1079.1 | 1079.5 | 1079.1 | 1078.7 | 1078.2 | 1077.8 | 1077.6 |
| 147.5° | 1106.1 | 1106.2 | 1106.4 | 1106.7 | 1106.9 | 1107.1 | 1106.9 | 1106.7 | 1106.4 | 1106.2 | 1106.1 |
| 150°   | 1132.7 | 1132.8 | 1133.0 | 1133.3 | 1133.5 | 1133.7 | 1133.5 | 1133.3 | 1133.0 | 1132.8 | 1132.7 |
| 152.5° | 1157.4 | 1157.3 | 1157.1 | 1156.9 | 1156.7 | 1156.5 | 1156.7 | 1156.9 | 1157.1 | 1157.3 | 1157.4 |
| 155°   | 1179.3 | 1179.0 | 1178.3 | 1177.7 | 1177.0 | 1176.4 | 1177.0 | 1177.7 | 1178.3 | 1179.0 | 1179.3 |
| 157.5° | 1198.3 | 1197.8 | 1196.7 | 1195.6 | 1194.6 | 1193.5 | 1194.6 | 1195.6 | 1196.7 | 1197.8 | 1198.3 |
| 160°   | 1216.3 | 1215.7 | 1214.4 | 1213.1 | 1211.9 | 1210.6 | 1211.9 | 1213.1 | 1214.4 | 1215.7 | 1216.3 |
| 162.5° | 1230.6 | 1229.9 | 1228.4 | 1226.9 | 1225.4 | 1223.9 | 1225.4 | 1226.9 | 1228.4 | 1229.9 | 1230.6 |
| 165°   | 1244.8 | 1243.9 | 1242.0 | 1240.1 | 1238.2 | 1236.3 | 1238.2 | 1240.1 | 1242.0 | 1243.9 | 1244.8 |
| 167.5° | 1255.3 | 1254.2 | 1252.1 | 1250.0 | 1247.9 | 1245.8 | 1247.9 | 1250.0 | 1252.1 | 1254.2 | 1255.3 |
| 170°   | 1263.8 | 1262.7 | 1260.6 | 1258.5 | 1256.4 | 1254.3 | 1256.4 | 1258.5 | 1260.6 | 1262.7 | 1263.8 |
| 172.5° | 1269.6 | 1268.4 | 1266.1 | 1263.8 | 1261.4 | 1259.1 | 1261.4 | 1263.8 | 1266.1 | 1268.4 | 1269.6 |
| 175°   | 1274.3 | 1273.0 | 1270.5 | 1268.0 | 1265.4 | 1262.9 | 1265.4 | 1268.0 | 1270.5 | 1273.0 | 1274.3 |
| 177.5° | 1276.2 | 1274.9 | 1272.4 | 1269.9 | 1267.3 | 1264.8 | 1267.3 | 1269.9 | 1272.4 | 1274.9 | 1276.2 |
| 180°   | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 |

TEST NUMBER: P1012920

CATALOG NUMBER: S124DIP-B1195D1035UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 |
| 2.5°   | 1746.5 | 1755.7 | 1746.5 | 1752.6 | 1755.7 | 1763.4 | 1766.5 | 1780.3 | 1784.9 | 1795.7 | 1795.7 |
| 5°     | 1641.8 | 1646.5 | 1648.0 | 1654.2 | 1660.3 | 1675.7 | 1686.5 | 1706.5 | 1729.6 | 1732.6 | 1746.5 |
| 7.5°   | 1557.2 | 1564.9 | 1577.2 | 1572.6 | 1583.4 | 1606.5 | 1620.3 | 1644.9 | 1668.0 | 1680.3 | 1697.2 |
| 10°    | 1481.8 | 1491.0 | 1495.7 | 1500.3 | 1520.3 | 1540.3 | 1561.8 | 1578.8 | 1609.5 | 1628.0 | 1641.8 |
| 12.5°  | 1420.3 | 1412.6 | 1421.8 | 1438.7 | 1461.8 | 1474.1 | 1503.4 | 1529.5 | 1552.6 | 1572.6 | 1584.9 |
| 15°    | 1340.2 | 1346.4 | 1355.6 | 1384.9 | 1391.0 | 1421.8 | 1432.6 | 1461.8 | 1504.9 | 1523.4 | 1538.7 |
| 17.5°  | 1263.3 | 1283.3 | 1301.8 | 1312.6 | 1331.0 | 1355.6 | 1386.4 | 1418.7 | 1446.4 | 1468.0 | 1486.4 |
| 20°    | 1201.8 | 1221.8 | 1232.5 | 1240.2 | 1258.7 | 1292.5 | 1321.8 | 1361.8 | 1397.2 | 1414.1 | 1438.7 |
| 22.5°  | 1152.5 | 1152.5 | 1167.9 | 1191.0 | 1201.8 | 1234.1 | 1258.7 | 1301.8 | 1340.2 | 1361.8 | 1384.9 |
| 25°    | 1091.0 | 1100.2 | 1112.5 | 1132.5 | 1147.9 | 1174.1 | 1209.5 | 1246.4 | 1287.9 | 1306.4 | 1335.6 |
| 27.5°  | 1040.2 | 1051.0 | 1067.9 | 1072.5 | 1087.9 | 1111.0 | 1147.9 | 1187.9 | 1231.0 | 1251.0 | 1275.6 |
| 30°    | 1001.7 | 1007.9 | 1014.0 | 1023.3 | 1037.1 | 1057.1 | 1087.9 | 1123.3 | 1175.6 | 1191.0 | 1221.8 |
| 32.5°  | 967.9  | 971.0  | 974.0  | 981.7  | 989.4  | 1009.4 | 1034.0 | 1072.5 | 1115.6 | 1138.7 | 1166.4 |
| 35°    | 937.1  | 934.0  | 935.6  | 940.2  | 947.9  | 955.6  | 981.7  | 1014.0 | 1054.0 | 1081.7 | 1103.3 |
| 37.5°  | 907.9  | 901.7  | 900.2  | 900.2  | 903.2  | 912.5  | 932.5  | 960.2  | 1003.3 | 1026.3 | 1047.9 |
| 40°    | 875.5  | 869.4  | 866.3  | 864.8  | 863.2  | 869.4  | 884.8  | 912.5  | 946.3  | 967.9  | 992.5  |
| 42.5°  | 844.8  | 838.6  | 830.9  | 829.4  | 826.3  | 829.4  | 840.2  | 866.3  | 895.6  | 917.1  | 937.1  |
| 45°    | 814.0  | 803.2  | 794.0  | 787.8  | 789.4  | 784.8  | 792.5  | 812.5  | 846.3  | 860.2  | 880.2  |
| 47.5°  | 780.1  | 767.8  | 755.5  | 749.4  | 743.2  | 746.3  | 749.4  | 766.3  | 795.5  | 809.4  | 829.4  |
| 50°    | 747.8  | 730.9  | 717.1  | 709.4  | 704.7  | 701.7  | 704.7  | 721.7  | 743.2  | 755.5  | 772.5  |
| 52.5°  | 710.9  | 694.0  | 680.1  | 667.8  | 661.7  | 657.0  | 658.6  | 674.0  | 694.0  | 706.3  | 723.2  |
| 55°    | 677.0  | 655.5  | 637.0  | 621.7  | 617.0  | 615.5  | 614.0  | 624.7  | 641.7  | 654.0  | 667.8  |
| 57.5°  | 638.6  | 617.0  | 597.0  | 578.6  | 569.3  | 567.8  | 567.8  | 570.9  | 592.4  | 601.7  | 609.3  |
| 60°    | 600.1  | 577.0  | 555.5  | 538.6  | 524.7  | 520.1  | 518.6  | 524.7  | 535.5  | 544.7  | 555.5  |
| 62.5°  | 557.0  | 533.9  | 507.8  | 492.4  | 478.6  | 466.2  | 470.9  | 472.4  | 487.8  | 492.4  | 501.6  |
| 65°    | 515.5  | 489.3  | 467.8  | 443.2  | 427.8  | 420.1  | 417.0  | 420.1  | 432.4  | 433.9  | 440.1  |
| 67.5°  | 467.8  | 443.2  | 417.0  | 400.1  | 386.2  | 372.4  | 369.3  | 369.3  | 375.5  | 380.1  | 387.8  |
| 70°    | 421.6  | 397.0  | 367.8  | 349.3  | 335.4  | 323.1  | 318.5  | 317.0  | 321.6  | 324.7  | 332.4  |
| 72.5°  | 367.8  | 343.1  | 321.6  | 301.6  | 284.7  | 275.4  | 270.8  | 267.7  | 272.4  | 275.4  | 277.0  |
| 75°    | 310.8  | 290.8  | 269.3  | 249.3  | 238.5  | 229.3  | 223.1  | 218.5  | 221.6  | 221.6  | 221.6  |
| 77.5°  | 257.0  | 237.0  | 220.0  | 206.2  | 192.3  | 181.6  | 177.0  | 172.3  | 173.9  | 173.9  | 177.0  |
| 80°    | 200.0  | 186.2  | 172.3  | 160.0  | 147.7  | 138.5  | 135.4  | 130.8  | 127.7  | 126.2  | 126.2  |
| 82.5°  | 147.7  | 136.9  | 124.6  | 113.9  | 107.7  | 98.5   | 95.4   | 89.2   | 89.2   | 87.7   | 87.7   |
| 85°    | 98.5   | 92.3   | 80.0   | 72.3   | 67.7   | 63.1   | 60.0   | 56.9   | 52.3   | 52.3   | 50.8   |
| 87.5°  | 52.3   | 49.2   | 46.2   | 36.9   | 36.9   | 32.3   | 30.8   | 29.2   | 24.6   | 26.2   | 26.2   |
| 90°    | 26.0   | 24.7   | 23.4   | 22.2   | 20.9   | 19.2   | 17.5   | 15.8   | 14.1   | 13.3   | 12.1   |
| 92.5°  | 25.1   | 23.8   | 22.5   | 21.3   | 20.0   | 18.3   | 16.6   | 14.9   | 13.2   | 12.4   | 12.6   |
| 95°    | 26.0   | 24.7   | 23.4   | 22.2   | 20.9   | 20.7   | 20.5   | 20.3   | 20.1   | 20.0   | 23.6   |
| 97.5°  | 25.2   | 24.1   | 23.0   | 22.0   | 20.9   | 43.1   | 65.3   | 87.4   | 109.6  | 120.7  | 118.4  |
| 100°   | 27.5   | 31.1   | 34.6   | 38.2   | 41.8   | 70.9   | 100.1  | 129.2  | 158.3  | 172.9  | 171.0  |
| 102.5° | 51.4   | 98.9   | 146.4  | 193.9  | 241.4  | 238.9  | 236.3  | 233.8  | 231.3  | 230.0  | 228.7  |
| 105°   | 304.1  | 302.2  | 300.3  | 298.4  | 296.5  | 295.4  | 294.4  | 293.3  | 292.2  | 291.7  | 291.1  |
| 107.5° | 361.5  | 360.4  | 359.4  | 358.3  | 357.3  | 355.8  | 354.3  | 352.8  | 351.3  | 350.6  | 350.3  |
| 110°   | 420.8  | 420.4  | 419.9  | 419.5  | 419.1  | 417.8  | 416.6  | 415.3  | 414.0  | 413.4  | 413.1  |

TEST NUMBER: P1012920

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**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 478.1  | 478.3  | 478.5  | 478.7  | 478.9  | 478.5  | 478.1  | 477.6  | 477.2  | 477.0  | 476.4  |
| 115°   | 537.6  | 537.2  | 536.7  | 536.3  | 535.9  | 536.1  | 536.3  | 536.6  | 536.8  | 536.9  | 536.6  |
| 117.5° | 595.9  | 596.1  | 596.4  | 596.6  | 596.8  | 596.2  | 595.5  | 594.9  | 594.2  | 593.9  | 593.5  |
| 120°   | 651.7  | 651.3  | 650.8  | 650.4  | 650.0  | 650.2  | 650.4  | 650.6  | 650.8  | 650.9  | 650.5  |
| 122.5° | 705.0  | 704.8  | 704.5  | 704.3  | 704.1  | 703.7  | 703.3  | 702.8  | 702.4  | 702.2  | 702.0  |
| 125°   | 755.2  | 754.5  | 753.9  | 753.2  | 752.6  | 753.0  | 753.4  | 753.9  | 754.3  | 754.5  | 754.1  |
| 127.5° | 804.0  | 804.2  | 804.5  | 804.7  | 804.9  | 803.8  | 802.8  | 801.7  | 800.6  | 800.1  | 800.0  |
| 130°   | 850.4  | 850.2  | 849.9  | 849.7  | 849.5  | 848.9  | 848.3  | 847.6  | 847.0  | 846.7  | 846.6  |
| 132.5° | 895.0  | 894.8  | 894.6  | 894.4  | 894.2  | 893.4  | 892.5  | 891.7  | 890.8  | 890.4  | 890.2  |
| 135°   | 935.8  | 935.4  | 934.9  | 934.5  | 934.1  | 933.3  | 932.4  | 931.6  | 930.7  | 930.3  | 930.4  |
| 137.5° | 975.7  | 975.3  | 974.8  | 974.4  | 974.0  | 973.0  | 971.9  | 970.9  | 969.8  | 969.3  | 969.3  |
| 140°   | 1012.7 | 1012.0 | 1011.4 | 1010.7 | 1010.1 | 1009.7 | 1009.3 | 1008.8 | 1008.4 | 1008.2 | 1008.0 |
| 142.5° | 1046.0 | 1045.6 | 1045.1 | 1044.7 | 1044.3 | 1044.1 | 1043.9 | 1043.7 | 1043.5 | 1043.4 | 1043.0 |
| 145°   | 1077.5 | 1077.3 | 1077.0 | 1076.8 | 1076.6 | 1076.6 | 1076.6 | 1076.6 | 1076.6 | 1076.6 | 1076.3 |
| 147.5° | 1106.0 | 1105.8 | 1105.6 | 1105.4 | 1105.2 | 1105.4 | 1105.6 | 1105.8 | 1106.0 | 1106.1 | 1105.5 |
| 150°   | 1132.7 | 1132.7 | 1132.7 | 1132.7 | 1132.7 | 1132.9 | 1133.1 | 1133.4 | 1133.6 | 1133.7 | 1133.3 |
| 152.5° | 1157.2 | 1156.8 | 1156.3 | 1155.9 | 1155.5 | 1155.9 | 1156.3 | 1156.8 | 1157.2 | 1157.4 | 1157.1 |
| 155°   | 1178.9 | 1178.0 | 1177.2 | 1176.3 | 1175.5 | 1176.1 | 1176.7 | 1177.4 | 1178.0 | 1178.3 | 1178.2 |
| 157.5° | 1197.8 | 1196.7 | 1195.6 | 1194.6 | 1193.5 | 1194.3 | 1195.2 | 1196.0 | 1196.9 | 1197.3 | 1197.3 |
| 160°   | 1215.7 | 1214.4 | 1213.1 | 1211.9 | 1210.6 | 1210.8 | 1211.0 | 1211.3 | 1211.5 | 1211.6 | 1211.9 |
| 162.5° | 1230.0 | 1228.7 | 1227.4 | 1226.2 | 1224.9 | 1225.1 | 1225.3 | 1225.5 | 1225.7 | 1225.8 | 1226.2 |
| 165°   | 1244.0 | 1242.3 | 1240.6 | 1238.9 | 1237.2 | 1237.2 | 1237.2 | 1237.2 | 1237.2 | 1237.2 | 1237.7 |
| 167.5° | 1254.3 | 1252.4 | 1250.5 | 1248.6 | 1246.7 | 1246.9 | 1247.1 | 1247.4 | 1247.6 | 1247.7 | 1248.2 |
| 170°   | 1263.0 | 1261.3 | 1259.6 | 1257.9 | 1256.2 | 1256.0 | 1255.8 | 1255.6 | 1255.4 | 1255.3 | 1255.9 |
| 172.5° | 1268.7 | 1267.0 | 1265.3 | 1263.6 | 1261.9 | 1261.7 | 1261.5 | 1261.3 | 1261.1 | 1261.0 | 1261.6 |
| 175°   | 1273.3 | 1271.4 | 1269.5 | 1267.6 | 1265.7 | 1265.5 | 1265.3 | 1265.1 | 1264.9 | 1264.8 | 1265.4 |
| 177.5° | 1275.4 | 1273.7 | 1272.0 | 1270.3 | 1268.6 | 1268.2 | 1267.8 | 1267.3 | 1266.9 | 1266.7 | 1267.4 |
| 180°   | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 | 1270.5 |

TEST NUMBER: P1012920

CATALOG NUMBER: S124DIP-B1195D1035UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1857.3 | 1857.3 | 1857.3 | 1857.3 |
| 2.5°   | 1806.5 | 1821.9 | 1835.7 | 1857.3 |
| 5°     | 1766.5 | 1788.0 | 1817.3 | 1849.6 |
| 7.5°   | 1720.3 | 1754.2 | 1792.6 | 1837.3 |
| 10°    | 1677.2 | 1715.7 | 1764.9 | 1818.8 |
| 12.5°  | 1632.6 | 1678.8 | 1732.6 | 1791.1 |
| 15°    | 1581.8 | 1628.0 | 1688.0 | 1766.5 |
| 17.5°  | 1535.7 | 1591.1 | 1655.7 | 1738.8 |
| 20°    | 1481.8 | 1534.1 | 1604.9 | 1700.3 |
| 22.5°  | 1434.1 | 1494.1 | 1572.6 | 1655.7 |
| 25°    | 1381.8 | 1434.1 | 1512.6 | 1612.6 |
| 27.5°  | 1329.5 | 1394.1 | 1469.5 | 1566.4 |
| 30°    | 1278.7 | 1332.6 | 1414.1 | 1515.7 |
| 32.5°  | 1223.3 | 1287.9 | 1363.3 | 1458.7 |
| 35°    | 1163.3 | 1224.8 | 1295.6 | 1398.7 |
| 37.5°  | 1109.4 | 1169.4 | 1241.8 | 1332.6 |
| 40°    | 1049.4 | 1112.5 | 1178.7 | 1269.5 |
| 42.5°  | 991.0  | 1047.9 | 1114.1 | 1197.1 |
| 45°    | 934.0  | 983.3  | 1043.3 | 1115.6 |
| 47.5°  | 875.5  | 917.1  | 972.5  | 1037.1 |
| 50°    | 812.5  | 857.1  | 898.6  | 952.5  |
| 52.5°  | 754.0  | 792.5  | 826.3  | 870.9  |
| 55°    | 697.1  | 723.2  | 750.9  | 784.8  |
| 57.5°  | 637.0  | 657.0  | 677.0  | 712.4  |
| 60°    | 577.0  | 595.5  | 606.3  | 629.3  |
| 62.5°  | 518.6  | 526.3  | 540.1  | 553.9  |
| 65°    | 453.9  | 464.7  | 472.4  | 489.3  |
| 67.5°  | 395.5  | 400.1  | 407.8  | 418.5  |
| 70°    | 333.9  | 344.7  | 347.8  | 355.5  |
| 72.5°  | 281.6  | 286.2  | 289.3  | 290.8  |
| 75°    | 223.1  | 227.7  | 230.8  | 240.0  |
| 77.5°  | 175.4  | 173.9  | 180.0  | 181.6  |
| 80°    | 129.3  | 124.6  | 126.2  | 132.3  |
| 82.5°  | 84.6   | 86.2   | 84.6   | 84.6   |
| 85°    | 52.3   | 50.8   | 47.7   | 49.2   |
| 87.5°  | 23.1   | 23.1   | 21.5   | 21.5   |
| 90°    | 9.8    | 7.5    | 5.2    | 2.9    |
| 92.5°  | 13.0   | 13.5   | 13.9   | 14.3   |
| 95°    | 30.8   | 37.9   | 45.1   | 52.3   |
| 97.5°  | 113.7  | 109.1  | 104.4  | 99.8   |
| 100°   | 167.2  | 163.4  | 159.6  | 155.8  |
| 102.5° | 226.2  | 223.7  | 221.1  | 218.6  |
| 105°   | 289.8  | 288.5  | 287.3  | 286.0  |
| 107.5° | 349.7  | 349.0  | 348.4  | 347.8  |
| 110°   | 412.4  | 411.8  | 411.1  | 410.5  |

TEST NUMBER: P1012920

CATALOG NUMBER: S124DIP-B1195D1035UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 112.5° | 475.1  | 473.8  | 472.6  | 471.3  |
| 115°   | 535.9  | 535.3  | 534.6  | 534.0  |
| 117.5° | 592.6  | 591.8  | 590.9  | 590.1  |
| 120°   | 649.6  | 648.8  | 647.9  | 647.1  |
| 122.5° | 701.6  | 701.1  | 700.7  | 700.3  |
| 125°   | 753.2  | 752.4  | 751.5  | 750.7  |
| 127.5° | 799.8  | 799.6  | 799.4  | 799.2  |
| 130°   | 846.4  | 846.1  | 845.9  | 845.7  |
| 132.5° | 889.8  | 889.3  | 888.9  | 888.5  |
| 135°   | 930.6  | 930.9  | 931.1  | 931.3  |
| 137.5° | 969.3  | 969.3  | 969.3  | 969.3  |
| 140°   | 1007.6 | 1007.1 | 1006.7 | 1006.3 |
| 142.5° | 1042.1 | 1041.3 | 1040.4 | 1039.6 |
| 145°   | 1075.7 | 1075.0 | 1074.4 | 1073.8 |
| 147.5° | 1104.2 | 1102.9 | 1101.7 | 1100.4 |
| 150°   | 1132.4 | 1131.6 | 1130.7 | 1129.9 |
| 152.5° | 1156.5 | 1155.8 | 1155.2 | 1154.6 |
| 155°   | 1178.0 | 1177.8 | 1177.6 | 1177.4 |
| 157.5° | 1197.3 | 1197.3 | 1197.3 | 1197.3 |
| 160°   | 1212.5 | 1213.2 | 1213.8 | 1214.4 |
| 162.5° | 1227.1 | 1227.9 | 1228.8 | 1229.6 |
| 165°   | 1238.8 | 1239.9 | 1240.9 | 1242.0 |
| 167.5° | 1249.3 | 1250.3 | 1251.4 | 1252.4 |
| 170°   | 1257.2 | 1258.5 | 1259.7 | 1261.0 |
| 172.5° | 1262.9 | 1264.2 | 1265.4 | 1266.7 |
| 175°   | 1266.7 | 1268.0 | 1269.2 | 1270.5 |
| 177.5° | 1268.9 | 1270.4 | 1271.9 | 1273.4 |
| 180°   | 1270.5 | 1270.5 | 1270.5 | 1270.5 |

(END OF REPORT)