

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: P1013265

Luminaire Tested: S124RDIP-B1195D1205UB2750-4F0-XX-W2A-A\_4000K

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1013265  
REPORT IS A COMBINATION OF REPORTS P999068 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S124RDIP-B1195D1205UB2750-4F0-XX-W2A-A\_4000K  
Description: Define 4 Regressed Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865}  
{m-EER=0.951}  
Light Source: -  
Ballast/Driver: -

**Summary**

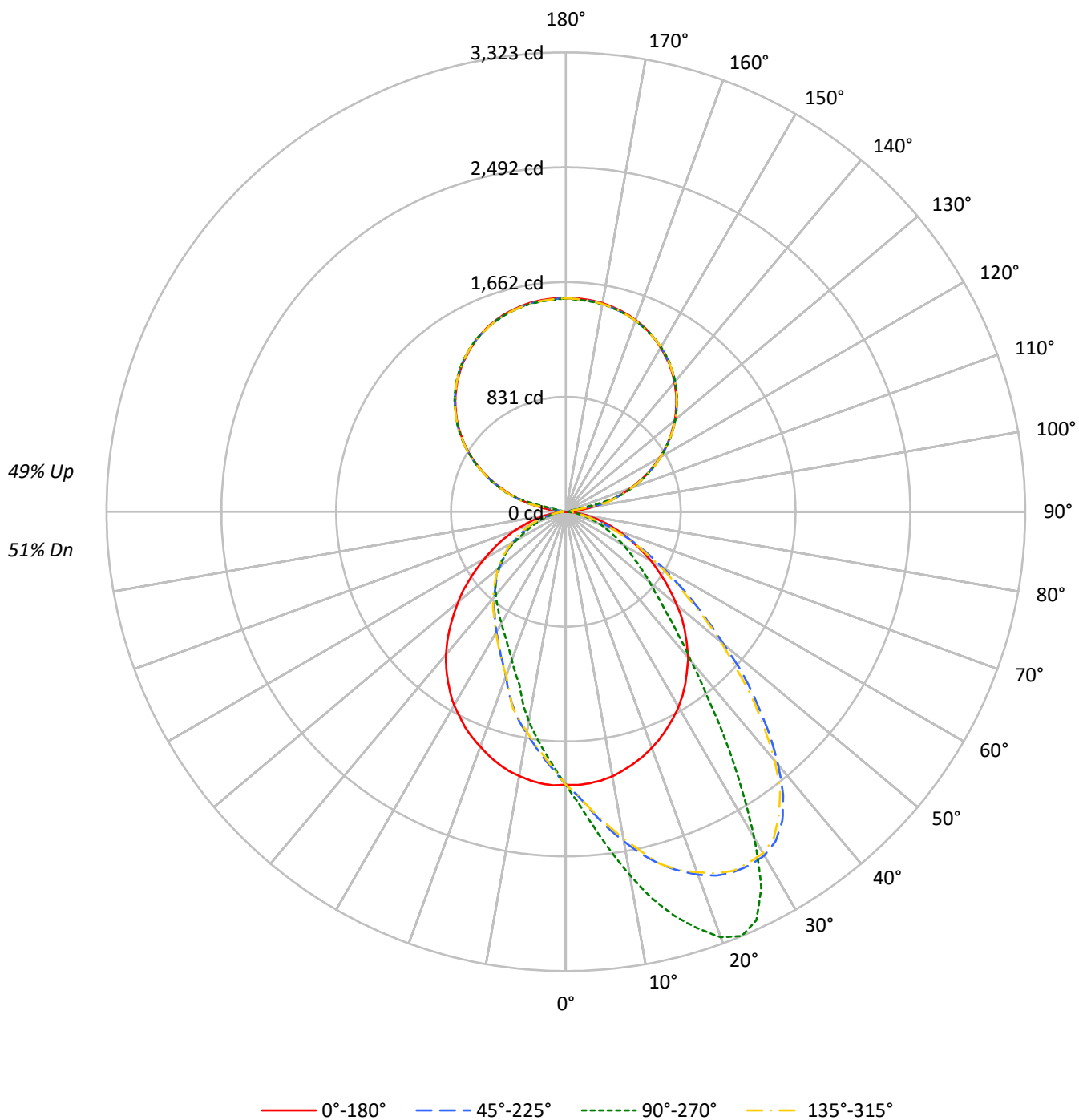
Lumens per Lamp: N/A  
Luminaire Lumens: 9772.0 lumens  
Efficiency: N/A  
Efficacy: 101.5 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 96.3  
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: P1013265

CATALOG NUMBER: S124RDIP-B1195D1205UB2750-4F0-XX-W2A-A\_4000K

### Luminous Intensity Polar Plot



TEST NUMBER: P1013265

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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    |    | 20 |    |    |    |    | 20 |    |    |    |    | 20 |
| RC  | 80  |     |     |     | 70 |    |    |    |    | 50 |    |    |    |    | 30 |    |    |    |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 70 | 70 | 70 | 57 | 57 | 57 | 51 | 51 | 51 |
| 1   | 99  | 94  | 91  | 87  | 91 | 87 | 84 | 81 | 74 | 72 | 70 | 62 | 61 | 59 | 51 | 50 | 49 | 44 | 44 | 44 |
| 2   | 90  | 83  | 77  | 72  | 83 | 77 | 72 | 67 | 66 | 62 | 59 | 55 | 53 | 50 | 46 | 44 | 42 | 38 | 38 | 38 |
| 3   | 82  | 73  | 66  | 61  | 76 | 68 | 62 | 57 | 58 | 54 | 50 | 49 | 46 | 43 | 41 | 38 | 36 | 32 | 32 | 32 |
| 4   | 76  | 65  | 57  | 52  | 70 | 61 | 54 | 49 | 52 | 47 | 43 | 44 | 40 | 37 | 37 | 34 | 32 | 28 | 28 | 28 |
| 5   | 70  | 58  | 50  | 44  | 64 | 54 | 47 | 42 | 47 | 41 | 37 | 40 | 36 | 32 | 33 | 30 | 28 | 25 | 25 | 25 |
| 6   | 64  | 52  | 44  | 39  | 59 | 49 | 42 | 37 | 42 | 37 | 33 | 36 | 32 | 29 | 30 | 27 | 25 | 22 | 22 | 22 |
| 7   | 59  | 47  | 40  | 34  | 55 | 44 | 37 | 32 | 38 | 33 | 29 | 33 | 29 | 25 | 28 | 25 | 22 | 20 | 20 | 20 |
| 8   | 55  | 43  | 35  | 30  | 51 | 40 | 34 | 29 | 35 | 30 | 26 | 30 | 26 | 23 | 26 | 22 | 20 | 18 | 18 | 18 |
| 9   | 51  | 39  | 32  | 27  | 48 | 37 | 30 | 26 | 32 | 27 | 23 | 28 | 24 | 21 | 24 | 20 | 18 | 16 | 16 | 16 |
| 10  | 48  | 36  | 29  | 24  | 45 | 34 | 28 | 23 | 30 | 25 | 21 | 26 | 22 | 19 | 22 | 19 | 16 | 14 | 14 | 14 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 16103 | 16103 | 16103 | 16103 |
| 5°  | 16104 | 18196 | 16130 | 13907 |
| 10° | 16017 | 20976 | 16005 | 12095 |
| 15° | 15827 | 23607 | 15827 | 10126 |
| 20° | 15627 | 25595 | 15545 | 8917  |
| 25° | 15384 | 25704 | 15313 | 8054  |
| 30° | 15125 | 21857 | 15006 | 7460  |
| 35° | 14758 | 16492 | 14572 | 7017  |
| 40° | 14352 | 11952 | 14069 | 6672  |
| 45° | 13678 | 9084  | 13338 | 6366  |
| 50° | 12880 | 7342  | 12526 | 5917  |
| 55° | 12014 | 6079  | 11621 | 5322  |
| 60° | 11144 | 5140  | 10647 | 4425  |
| 65° | 10054 | 4187  | 9734  | 3518  |
| 70° | 9053  | 3396  | 8627  | 2857  |
| 75° | 7934  | 2447  | 7383  | 2094  |
| 80° | 6544  | 1622  | 5955  | 1539  |
| 85° | 4745  | 834   | 3937  | 834   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 20160 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 191.2  | 2.0       |
| 10°-20°   | 577.5  | 5.9       |
| 20°-30°   | 904.5  | 9.3       |
| 30°-40°   | 1004.5 | 10.3      |
| 40°-50°   | 890.1  | 9.1       |
| 50°-60°   | 693.7  | 7.1       |
| 60°-70°   | 453.7  | 4.6       |
| 70°-80°   | 222.6  | 2.3       |
| 80°-90°   | 57.4   | 0.6       |
| 90°-100°  | 51.2   | 0.5       |
| 100°-110° | 337.5  | 3.5       |
| 110°-120° | 644.4  | 6.6       |
| 120°-130° | 818.1  | 8.4       |
| 130°-140° | 875.1  | 9.0       |
| 140°-150° | 818.3  | 8.4       |
| 150°-160° | 659.9  | 6.8       |
| 160°-170° | 425.6  | 4.4       |
| 170°-180° | 146.7  | 1.5       |
| 0°-30°    | 1673.2 | 17.1      |
| 0°-40°    | 2677.7 | 27.4      |
| 0°-60°    | 4261.4 | 43.6      |
| 0°-90°    | 4995.2 | 51.1      |
| 90°-120°  | 1033.1 | 10.6      |
| 90°-150°  | 3544.6 | 36.3      |
| 90°-180°  | 4777.0 | 48.9      |
| 0°-180°   | 9772.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1975 | 1975 | 1975 | 1975 | 1975 |      |
| 5°   | 1972 | 2282 | 1975 | 1744 | 1972 | 187  |
| 15°  | 1887 | 3023 | 1887 | 1297 | 1887 | 532  |
| 25°  | 1730 | 3260 | 1722 | 1022 | 1730 | 797  |
| 35°  | 1508 | 2008 | 1489 | 854  | 1508 | 943  |
| 45°  | 1216 | 1026 | 1186 | 719  | 1216 | 937  |
| 55°  | 875  | 613  | 847  | 536  | 875  | 783  |
| 65°  | 549  | 358  | 532  | 301  | 549  | 548  |
| 75°  | 275  | 166  | 256  | 142  | 275  | 292  |
| 85°  | 65   | 40   | 54   | 40   | 65   | 74   |
| 90°  | 4    | 35   | 4    | 35   | 4    | 8    |
| 95°  | 64   | 34   | 64   | 34   | 64   | 78   |
| 105° | 348  | 329  | 348  | 329  | 348  | 364  |
| 115° | 649  | 654  | 649  | 654  | 649  | 639  |
| 125° | 912  | 919  | 912  | 919  | 912  | 815  |
| 135° | 1132 | 1140 | 1132 | 1140 | 1132 | 872  |
| 145° | 1305 | 1312 | 1305 | 1312 | 1305 | 815  |
| 155° | 1431 | 1429 | 1431 | 1429 | 1431 | 660  |
| 165° | 1509 | 1502 | 1509 | 1502 | 1509 | 426  |
| 175° | 1544 | 1534 | 1544 | 1534 | 1544 | 147  |
| 180° | 1544 | 1544 | 1544 | 1544 | 1544 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 |
| 2.5°   | 1978.0 | 1995.5 | 2005.0 | 2013.0 | 2028.9 | 2035.2 | 2048.0 | 2051.2 | 2063.9 | 2062.3 | 2057.5 |
| 5°     | 1971.6 | 2001.8 | 2024.1 | 2048.0 | 2076.6 | 2092.5 | 2110.0 | 2135.5 | 2148.2 | 2165.7 | 2176.9 |
| 7.5°   | 1960.5 | 2001.8 | 2038.4 | 2075.0 | 2121.2 | 2146.6 | 2168.9 | 2208.7 | 2242.1 | 2270.8 | 2302.6 |
| 10°    | 1942.9 | 1995.5 | 2049.6 | 2098.9 | 2162.5 | 2192.8 | 2226.2 | 2285.1 | 2331.2 | 2371.0 | 2421.9 |
| 12.5°  | 1915.9 | 1989.1 | 2049.6 | 2116.4 | 2197.6 | 2238.9 | 2283.5 | 2353.5 | 2407.6 | 2472.8 | 2536.5 |
| 15°    | 1887.3 | 1968.4 | 2048.0 | 2135.5 | 2227.8 | 2275.5 | 2320.1 | 2414.0 | 2496.7 | 2571.5 | 2641.5 |
| 17.5°  | 1855.4 | 1944.5 | 2032.1 | 2129.1 | 2240.5 | 2299.4 | 2351.9 | 2464.9 | 2555.6 | 2652.7 | 2722.7 |
| 20°    | 1817.2 | 1914.3 | 2014.6 | 2122.8 | 2248.5 | 2313.7 | 2372.6 | 2501.5 | 2601.7 | 2706.8 | 2794.3 |
| 22.5°  | 1775.9 | 1880.9 | 1990.7 | 2108.4 | 2238.9 | 2310.5 | 2379.0 | 2517.4 | 2633.6 | 2730.6 | 2848.4 |
| 25°    | 1729.7 | 1841.1 | 1954.1 | 2078.2 | 2224.6 | 2302.6 | 2372.6 | 2509.4 | 2633.6 | 2760.9 | 2875.4 |
| 27.5°  | 1682.0 | 1796.6 | 1914.3 | 2044.8 | 2194.4 | 2270.8 | 2350.3 | 2482.4 | 2627.2 | 2765.6 | 2881.8 |
| 30°    | 1629.5 | 1740.9 | 1865.0 | 1989.1 | 2148.2 | 2224.6 | 2305.8 | 2449.0 | 2606.5 | 2745.0 | 2870.7 |
| 32.5°  | 1572.2 | 1686.8 | 1804.5 | 1933.4 | 2089.3 | 2172.1 | 2246.9 | 2409.2 | 2569.9 | 2706.8 | 2824.5 |
| 35°    | 1508.5 | 1616.7 | 1728.1 | 1860.2 | 2014.6 | 2089.3 | 2178.5 | 2347.1 | 2509.4 | 2654.3 | 2730.6 |
| 37.5°  | 1440.1 | 1543.5 | 1647.0 | 1777.5 | 1925.4 | 2016.1 | 2103.7 | 2273.9 | 2445.8 | 2542.9 | 2582.6 |
| 40°    | 1376.5 | 1467.2 | 1557.9 | 1683.6 | 1833.2 | 1927.0 | 2016.1 | 2192.8 | 2344.0 | 2418.7 | 2388.5 |
| 42.5°  | 1295.3 | 1389.2 | 1470.3 | 1586.5 | 1737.7 | 1825.2 | 1915.9 | 2098.9 | 2221.4 | 2251.7 | 2176.9 |
| 45°    | 1215.7 | 1293.7 | 1371.7 | 1484.7 | 1643.8 | 1718.6 | 1815.6 | 1985.9 | 2087.8 | 2060.7 | 1950.9 |
| 47.5°  | 1137.8 | 1201.4 | 1274.6 | 1384.4 | 1527.6 | 1616.7 | 1707.4 | 1855.4 | 1927.0 | 1888.8 | 1736.1 |
| 50°    | 1045.5 | 1109.1 | 1185.5 | 1281.0 | 1419.4 | 1505.3 | 1577.0 | 1713.8 | 1767.9 | 1674.0 | 1489.4 |
| 52.5°  | 957.9  | 1013.6 | 1078.9 | 1168.0 | 1300.1 | 1378.0 | 1456.0 | 1573.8 | 1591.3 | 1483.1 | 1288.9 |
| 55°    | 875.2  | 919.8  | 988.2  | 1059.8 | 1180.7 | 1263.5 | 1317.6 | 1417.8 | 1413.1 | 1277.8 | 1110.7 |
| 57.5°  | 789.3  | 830.6  | 876.8  | 951.6  | 1066.2 | 1128.2 | 1187.1 | 1274.6 | 1228.5 | 1113.9 | 948.4  |
| 60°    | 712.9  | 736.8  | 782.9  | 854.5  | 951.6  | 1005.7 | 1051.8 | 1099.6 | 1059.8 | 935.7  | 808.4  |
| 62.5°  | 628.6  | 655.6  | 689.0  | 746.3  | 832.2  | 883.2  | 916.6  | 937.3  | 895.9  | 800.4  | 684.2  |
| 65°    | 549.0  | 572.9  | 607.9  | 658.8  | 724.0  | 762.2  | 779.7  | 794.0  | 771.8  | 663.6  | 571.3  |
| 67.5°  | 477.4  | 493.3  | 525.1  | 558.5  | 628.6  | 638.1  | 662.0  | 668.3  | 623.8  | 541.0  | 467.8  |
| 70°    | 405.8  | 421.7  | 436.0  | 475.8  | 507.6  | 525.1  | 529.9  | 529.9  | 485.3  | 431.2  | 370.8  |
| 72.5°  | 338.9  | 348.5  | 362.8  | 389.9  | 407.4  | 420.1  | 426.5  | 418.5  | 377.1  | 332.6  | 288.0  |
| 75°    | 275.3  | 280.1  | 292.8  | 310.3  | 324.6  | 319.8  | 318.3  | 308.7  | 278.5  | 246.6  | 221.2  |
| 77.5°  | 211.6  | 214.8  | 229.1  | 233.9  | 233.9  | 238.7  | 232.3  | 222.8  | 197.3  | 173.4  | 162.3  |
| 80°    | 159.1  | 163.9  | 165.5  | 168.7  | 165.5  | 165.5  | 160.7  | 144.8  | 132.1  | 120.9  | 113.0  |
| 82.5°  | 109.8  | 113.0  | 114.6  | 109.8  | 113.0  | 108.2  | 100.3  | 89.1   | 81.2   | 79.6   | 76.4   |
| 85°    | 65.2   | 66.8   | 65.2   | 65.2   | 60.5   | 58.9   | 52.5   | 50.9   | 47.7   | 47.7   | 46.1   |
| 87.5°  | 31.8   | 30.2   | 27.1   | 23.9   | 23.9   | 22.3   | 23.9   | 20.7   | 23.9   | 22.3   | 20.7   |
| 90°    | 3.5    | 6.3    | 9.1    | 12.0   | 14.8   | 16.2   | 17.2   | 19.3   | 21.3   | 23.4   | 25.4   |
| 92.5°  | 17.3   | 16.8   | 16.3   | 15.8   | 15.3   | 15.0   | 16.0   | 18.1   | 20.1   | 22.2   | 24.2   |
| 95°    | 63.5   | 54.8   | 46.0   | 37.3   | 28.6   | 24.2   | 24.3   | 24.6   | 24.9   | 25.1   | 25.4   |
| 97.5°  | 121.2  | 126.8  | 132.5  | 138.1  | 143.8  | 146.6  | 133.1  | 106.2  | 79.3   | 52.3   | 25.4   |
| 100°   | 189.4  | 194.0  | 198.6  | 203.2  | 207.8  | 210.1  | 192.4  | 157.0  | 121.6  | 86.2   | 50.8   |
| 102.5° | 265.6  | 268.7  | 271.7  | 274.8  | 277.9  | 279.4  | 280.9  | 284.0  | 287.1  | 290.2  | 293.3  |
| 105°   | 347.5  | 349.1  | 350.6  | 352.2  | 353.7  | 354.5  | 355.1  | 356.4  | 357.7  | 358.9  | 360.2  |
| 107.5° | 422.6  | 423.4  | 424.2  | 424.9  | 425.7  | 426.1  | 427.0  | 428.8  | 430.5  | 432.3  | 434.1  |
| 110°   | 498.8  | 499.6  | 500.4  | 501.1  | 501.9  | 502.3  | 503.1  | 504.6  | 506.1  | 507.7  | 509.2  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 572.7  | 574.2  | 575.8  | 577.3  | 578.8  | 579.6  | 579.9  | 580.4  | 580.9  | 581.4  | 581.9  |
| 115°   | 648.9  | 649.7  | 650.5  | 651.2  | 652.0  | 652.4  | 652.3  | 652.0  | 651.7  | 651.5  | 651.2  |
| 117.5° | 717.0  | 718.0  | 719.0  | 720.1  | 721.1  | 721.6  | 722.0  | 722.8  | 723.5  | 724.3  | 725.1  |
| 120°   | 786.3  | 787.3  | 788.3  | 789.4  | 790.4  | 790.9  | 790.8  | 790.5  | 790.3  | 790.0  | 789.8  |
| 122.5° | 851.0  | 851.5  | 852.0  | 852.5  | 853.0  | 853.3  | 853.6  | 854.1  | 854.6  | 855.1  | 855.6  |
| 125°   | 912.1  | 913.1  | 914.2  | 915.2  | 916.3  | 916.8  | 916.5  | 916.0  | 915.5  | 915.0  | 914.5  |
| 127.5° | 971.0  | 971.3  | 971.5  | 971.8  | 972.1  | 972.2  | 972.8  | 974.1  | 975.4  | 976.7  | 978.0  |
| 130°   | 1027.6 | 1027.9 | 1028.1 | 1028.4 | 1028.7 | 1028.8 | 1029.2 | 1029.9 | 1030.7 | 1031.4 | 1032.2 |
| 132.5° | 1079.6 | 1080.1 | 1080.6 | 1081.1 | 1081.6 | 1081.9 | 1082.4 | 1083.4 | 1084.5 | 1085.5 | 1086.5 |
| 135°   | 1131.5 | 1131.3 | 1131.0 | 1130.8 | 1130.5 | 1130.4 | 1130.9 | 1131.9 | 1133.0 | 1134.0 | 1135.0 |
| 137.5° | 1177.7 | 1177.7 | 1177.7 | 1177.7 | 1177.7 | 1177.7 | 1178.3 | 1179.6 | 1180.9 | 1182.2 | 1183.5 |
| 140°   | 1222.7 | 1223.2 | 1223.7 | 1224.2 | 1224.7 | 1225.0 | 1225.3 | 1225.8 | 1226.3 | 1226.9 | 1227.4 |
| 142.5° | 1263.1 | 1264.1 | 1265.2 | 1266.2 | 1267.3 | 1267.8 | 1267.9 | 1268.2 | 1268.4 | 1268.7 | 1268.9 |
| 145°   | 1304.7 | 1305.5 | 1306.3 | 1307.0 | 1307.8 | 1308.2 | 1308.2 | 1308.2 | 1308.2 | 1308.2 | 1308.2 |
| 147.5° | 1337.0 | 1338.6 | 1340.1 | 1341.7 | 1343.2 | 1344.0 | 1343.9 | 1343.6 | 1343.3 | 1343.1 | 1342.8 |
| 150°   | 1372.8 | 1373.8 | 1374.9 | 1375.9 | 1377.0 | 1377.5 | 1377.4 | 1377.1 | 1376.8 | 1376.6 | 1376.3 |
| 152.5° | 1402.9 | 1403.7 | 1404.4 | 1405.2 | 1405.9 | 1406.3 | 1406.0 | 1405.5 | 1405.0 | 1404.5 | 1404.0 |
| 155°   | 1430.6 | 1430.8 | 1431.1 | 1431.3 | 1431.6 | 1431.7 | 1431.3 | 1430.6 | 1429.8 | 1429.1 | 1428.3 |
| 157.5° | 1454.8 | 1454.8 | 1454.8 | 1454.8 | 1454.8 | 1454.8 | 1454.3 | 1453.3 | 1452.2 | 1451.2 | 1450.2 |
| 160°   | 1475.6 | 1474.8 | 1474.0 | 1473.3 | 1472.5 | 1472.1 | 1472.0 | 1471.7 | 1471.5 | 1471.2 | 1471.0 |
| 162.5° | 1494.1 | 1493.1 | 1492.1 | 1491.0 | 1490.0 | 1489.5 | 1489.4 | 1489.1 | 1488.8 | 1488.6 | 1488.3 |
| 165°   | 1509.1 | 1507.8 | 1506.5 | 1505.2 | 1503.9 | 1503.3 | 1503.3 | 1503.3 | 1503.3 | 1503.3 | 1503.3 |
| 167.5° | 1521.8 | 1520.5 | 1519.2 | 1517.9 | 1516.6 | 1516.0 | 1515.9 | 1515.6 | 1515.4 | 1515.1 | 1514.9 |
| 170°   | 1532.2 | 1530.6 | 1529.1 | 1527.5 | 1526.0 | 1525.2 | 1525.3 | 1525.6 | 1525.9 | 1526.1 | 1526.4 |
| 172.5° | 1539.1 | 1537.6 | 1536.0 | 1534.5 | 1533.0 | 1532.2 | 1532.3 | 1532.6 | 1532.8 | 1533.1 | 1533.3 |
| 175°   | 1543.7 | 1542.2 | 1540.6 | 1539.1 | 1537.6 | 1536.8 | 1536.9 | 1537.2 | 1537.4 | 1537.7 | 1537.9 |
| 177.5° | 1547.2 | 1545.4 | 1543.6 | 1541.8 | 1540.0 | 1539.1 | 1539.4 | 1539.9 | 1540.4 | 1540.9 | 1541.4 |
| 180°   | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 |

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CATALOG NUMBER: S124RDIP-B1195D1205UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 |
| 2.5°   | 2070.3 | 2087.8 | 2089.3 | 2105.3 | 2100.5 | 2092.5 | 2106.9 | 2097.3 | 2116.4 | 2110.0 | 2118.0 |
| 5°     | 2191.2 | 2215.1 | 2235.7 | 2248.5 | 2270.8 | 2266.0 | 2289.8 | 2281.9 | 2299.4 | 2281.9 | 2304.2 |
| 7.5°   | 2332.8 | 2372.6 | 2393.3 | 2426.7 | 2436.2 | 2437.8 | 2466.5 | 2472.8 | 2484.0 | 2472.8 | 2485.6 |
| 10°    | 2471.3 | 2519.0 | 2566.7 | 2593.8 | 2611.3 | 2635.2 | 2660.6 | 2671.8 | 2679.7 | 2668.6 | 2676.5 |
| 12.5°  | 2597.0 | 2671.8 | 2724.3 | 2778.4 | 2791.1 | 2811.8 | 2838.8 | 2835.7 | 2867.5 | 2861.1 | 2875.4 |
| 15°    | 2713.1 | 2795.9 | 2859.5 | 2902.5 | 2937.5 | 2955.0 | 3005.9 | 3009.1 | 3007.5 | 3023.4 | 3013.9 |
| 17.5°  | 2816.6 | 2886.6 | 2977.3 | 3033.0 | 3075.9 | 3075.9 | 3104.6 | 3163.5 | 3158.7 | 3157.1 | 3166.6 |
| 20°    | 2900.9 | 2980.5 | 3064.8 | 3158.7 | 3193.7 | 3200.1 | 3239.8 | 3270.1 | 3274.8 | 3274.8 | 3274.8 |
| 22.5°  | 2964.5 | 3058.4 | 3149.1 | 3216.0 | 3243.0 | 3265.3 | 3300.3 | 3319.4 | 3325.8 | 3322.6 | 3325.8 |
| 25°    | 2996.4 | 3085.5 | 3177.8 | 3238.2 | 3254.2 | 3266.9 | 3270.1 | 3281.2 | 3279.6 | 3260.5 | 3271.7 |
| 27.5°  | 3002.7 | 3088.7 | 3149.1 | 3165.1 | 3157.1 | 3149.1 | 3098.2 | 3103.0 | 3088.7 | 3060.0 | 3071.2 |
| 30°    | 2974.1 | 3020.2 | 3018.7 | 2969.3 | 2955.0 | 2921.6 | 2875.4 | 2807.0 | 2751.3 | 2727.4 | 2735.4 |
| 32.5°  | 2870.7 | 2870.7 | 2813.4 | 2702.0 | 2652.7 | 2592.2 | 2509.4 | 2447.4 | 2374.2 | 2358.3 | 2388.5 |
| 35°    | 2727.4 | 2646.3 | 2541.3 | 2394.9 | 2320.1 | 2275.5 | 2132.3 | 2087.8 | 2025.7 | 2008.2 | 2022.5 |
| 37.5°  | 2504.7 | 2369.4 | 2216.6 | 2079.8 | 2016.1 | 1936.6 | 1810.9 | 1747.2 | 1702.7 | 1672.4 | 1686.8 |
| 40°    | 2254.8 | 2090.9 | 1931.8 | 1763.1 | 1693.1 | 1627.9 | 1534.0 | 1476.7 | 1405.1 | 1408.3 | 1413.1 |
| 42.5°  | 2016.1 | 1823.6 | 1645.4 | 1489.4 | 1422.6 | 1368.5 | 1303.3 | 1233.2 | 1207.8 | 1199.8 | 1191.9 |
| 45°    | 1763.1 | 1557.9 | 1390.8 | 1274.6 | 1214.1 | 1163.2 | 1102.8 | 1063.0 | 1032.7 | 1026.4 | 1034.3 |
| 47.5°  | 1524.4 | 1351.0 | 1191.9 | 1083.7 | 1034.3 | 1008.9 | 961.1  | 924.5  | 905.4  | 889.5  | 899.1  |
| 50°    | 1308.0 | 1145.7 | 1018.4 | 927.7  | 892.7  | 875.2  | 830.6  | 811.6  | 792.5  | 787.7  | 786.1  |
| 52.5°  | 1129.8 | 991.4  | 881.6  | 808.4  | 781.3  | 771.8  | 738.4  | 711.3  | 695.4  | 700.2  | 703.3  |
| 55°    | 967.5  | 849.7  | 763.8  | 704.9  | 682.7  | 671.5  | 647.6  | 628.6  | 617.4  | 612.6  | 615.8  |
| 57.5°  | 824.3  | 722.4  | 660.4  | 612.6  | 595.1  | 590.4  | 564.9  | 558.5  | 550.6  | 545.8  | 545.8  |
| 60°    | 693.8  | 622.2  | 564.9  | 537.9  | 518.8  | 514.0  | 494.9  | 486.9  | 485.3  | 480.6  | 477.4  |
| 62.5°  | 584.0  | 525.1  | 485.3  | 456.7  | 448.7  | 447.1  | 434.4  | 424.9  | 420.1  | 416.9  | 416.9  |
| 65°    | 488.5  | 445.6  | 412.1  | 391.5  | 385.1  | 381.9  | 367.6  | 364.4  | 361.2  | 358.0  | 356.4  |
| 67.5°  | 407.4  | 369.2  | 345.3  | 331.0  | 323.0  | 324.6  | 316.7  | 310.3  | 310.3  | 308.7  | 307.1  |
| 70°    | 329.4  | 305.5  | 284.8  | 276.9  | 273.7  | 270.5  | 267.3  | 262.6  | 261.0  | 261.0  | 261.0  |
| 72.5°  | 259.4  | 243.5  | 232.3  | 227.6  | 224.4  | 221.2  | 218.0  | 218.0  | 218.0  | 216.4  | 216.4  |
| 75°    | 198.9  | 192.5  | 184.6  | 179.8  | 179.8  | 183.0  | 178.2  | 173.4  | 168.7  | 165.5  | 167.1  |
| 77.5°  | 149.6  | 146.4  | 141.6  | 133.7  | 135.3  | 132.1  | 132.1  | 128.9  | 130.5  | 130.5  | 127.3  |
| 80°    | 109.8  | 105.0  | 103.4  | 98.7   | 100.3  | 98.7   | 97.1   | 97.1   | 93.9   | 93.9   | 93.9   |
| 82.5°  | 76.4   | 71.6   | 71.6   | 70.0   | 68.4   | 68.4   | 66.8   | 66.8   | 68.4   | 65.2   | 65.2   |
| 85°    | 46.1   | 44.6   | 44.6   | 41.4   | 41.4   | 41.4   | 41.4   | 43.0   | 41.4   | 39.8   | 39.8   |
| 87.5°  | 20.7   | 22.3   | 20.7   | 19.1   | 19.1   | 19.1   | 17.5   | 17.5   | 15.9   | 17.5   | 17.5   |
| 90°    | 26.9   | 28.5   | 30.0   | 31.5   | 32.3   | 32.6   | 33.1   | 33.6   | 34.1   | 34.6   | 34.1   |
| 92.5°  | 25.8   | 27.3   | 28.9   | 30.4   | 31.2   | 31.2   | 31.2   | 31.2   | 31.2   | 31.2   | 31.2   |
| 95°    | 26.9   | 28.5   | 30.0   | 31.5   | 32.3   | 32.4   | 32.7   | 33.0   | 33.2   | 33.5   | 33.2   |
| 97.5°  | 26.7   | 28.0   | 29.3   | 30.6   | 31.2   | 31.3   | 31.6   | 31.8   | 32.1   | 32.3   | 32.1   |
| 100°   | 46.4   | 42.1   | 37.7   | 33.4   | 31.2   | 31.3   | 31.6   | 31.8   | 32.1   | 32.3   | 32.1   |
| 102.5° | 235.6  | 177.8  | 120.1  | 62.4   | 33.5   | 33.5   | 33.5   | 33.5   | 33.5   | 33.5   | 33.5   |
| 105°   | 362.5  | 364.8  | 367.1  | 369.4  | 370.6  | 366.0  | 356.8  | 347.5  | 338.3  | 329.1  | 338.3  |
| 107.5° | 435.4  | 436.7  | 438.0  | 439.3  | 439.9  | 440.4  | 441.4  | 442.5  | 443.5  | 444.5  | 443.5  |
| 110°   | 509.7  | 510.2  | 510.7  | 511.2  | 511.5  | 511.9  | 512.7  | 513.4  | 514.2  | 515.0  | 514.2  |

TEST NUMBER: P1013265

CATALOG NUMBER: S124RDIP-B1195D1205UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 581.7  | 581.4  | 581.2  | 580.9  | 580.8  | 581.3  | 582.3  | 583.4  | 584.4  | 585.4  | 584.4  |
| 115°   | 651.7  | 652.2  | 652.7  | 653.2  | 653.5  | 653.5  | 653.5  | 653.5  | 653.5  | 653.5  | 653.5  |
| 117.5° | 724.8  | 724.6  | 724.3  | 724.0  | 723.9  | 723.9  | 723.9  | 723.9  | 723.9  | 723.9  | 723.9  |
| 120°   | 790.3  | 790.8  | 791.3  | 791.8  | 792.1  | 791.8  | 791.3  | 790.8  | 790.3  | 789.8  | 790.3  |
| 122.5° | 855.8  | 856.1  | 856.3  | 856.6  | 856.7  | 856.4  | 855.9  | 855.4  | 854.9  | 854.4  | 854.9  |
| 125°   | 915.3  | 916.0  | 916.8  | 917.5  | 917.9  | 918.0  | 918.3  | 918.6  | 918.8  | 919.1  | 918.8  |
| 127.5° | 977.7  | 977.5  | 977.2  | 976.9  | 976.8  | 976.7  | 976.4  | 976.1  | 975.9  | 975.6  | 975.9  |
| 130°   | 1032.5 | 1032.7 | 1033.0 | 1033.3 | 1033.4 | 1033.4 | 1033.4 | 1033.4 | 1033.4 | 1033.4 | 1033.4 |
| 132.5° | 1086.7 | 1087.0 | 1087.2 | 1087.5 | 1087.6 | 1087.5 | 1087.2 | 1087.0 | 1086.7 | 1086.5 | 1086.7 |
| 135°   | 1135.5 | 1136.0 | 1136.5 | 1137.0 | 1137.3 | 1137.6 | 1138.1 | 1138.6 | 1139.1 | 1139.6 | 1139.1 |
| 137.5° | 1184.0 | 1184.5 | 1185.0 | 1185.5 | 1185.8 | 1185.7 | 1185.4 | 1185.1 | 1184.9 | 1184.6 | 1184.9 |
| 140°   | 1228.2 | 1228.9 | 1229.7 | 1230.4 | 1230.8 | 1230.9 | 1231.2 | 1231.5 | 1231.7 | 1232.0 | 1231.7 |
| 142.5° | 1269.4 | 1269.9 | 1270.4 | 1270.9 | 1271.2 | 1271.2 | 1271.2 | 1271.2 | 1271.2 | 1271.2 | 1271.2 |
| 145°   | 1308.4 | 1308.7 | 1308.9 | 1309.2 | 1309.3 | 1309.6 | 1310.1 | 1310.6 | 1311.1 | 1311.6 | 1311.1 |
| 147.5° | 1343.1 | 1343.3 | 1343.6 | 1343.9 | 1344.0 | 1344.1 | 1344.4 | 1344.6 | 1344.9 | 1345.1 | 1344.9 |
| 150°   | 1376.3 | 1376.3 | 1376.3 | 1376.3 | 1376.3 | 1376.4 | 1376.7 | 1377.0 | 1377.2 | 1377.5 | 1377.2 |
| 152.5° | 1404.5 | 1405.0 | 1405.5 | 1406.0 | 1406.3 | 1406.2 | 1405.9 | 1405.7 | 1405.4 | 1405.2 | 1405.4 |
| 155°   | 1429.3 | 1430.3 | 1431.4 | 1432.4 | 1432.9 | 1432.5 | 1431.7 | 1431.0 | 1430.2 | 1429.4 | 1430.2 |
| 157.5° | 1451.5 | 1452.8 | 1454.1 | 1455.4 | 1456.0 | 1455.4 | 1454.1 | 1452.8 | 1451.5 | 1450.2 | 1451.5 |
| 160°   | 1472.5 | 1474.1 | 1475.6 | 1477.1 | 1477.9 | 1477.1 | 1475.6 | 1474.1 | 1472.5 | 1471.0 | 1472.5 |
| 162.5° | 1489.8 | 1491.4 | 1492.9 | 1494.4 | 1495.2 | 1494.3 | 1492.5 | 1490.7 | 1488.9 | 1487.1 | 1488.9 |
| 165°   | 1505.3 | 1507.4 | 1509.4 | 1511.5 | 1512.5 | 1511.4 | 1509.1 | 1506.8 | 1504.5 | 1502.2 | 1504.5 |
| 167.5° | 1517.2 | 1519.5 | 1521.8 | 1524.1 | 1525.2 | 1523.9 | 1521.4 | 1518.8 | 1516.3 | 1513.7 | 1516.3 |
| 170°   | 1528.4 | 1530.5 | 1532.5 | 1534.6 | 1535.6 | 1534.3 | 1531.8 | 1529.2 | 1526.7 | 1524.1 | 1526.7 |
| 172.5° | 1535.4 | 1537.4 | 1539.5 | 1541.6 | 1542.6 | 1541.2 | 1538.4 | 1535.5 | 1532.7 | 1529.9 | 1532.7 |
| 175°   | 1540.2 | 1542.5 | 1544.8 | 1547.1 | 1548.3 | 1546.8 | 1543.7 | 1540.6 | 1537.6 | 1534.5 | 1537.6 |
| 177.5° | 1543.4 | 1545.5 | 1547.5 | 1549.6 | 1550.6 | 1549.1 | 1546.0 | 1542.9 | 1539.9 | 1536.8 | 1539.9 |
| 180°   | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 |

TEST NUMBER: P1013265

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**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 |
| 2.5°   | 2122.8 | 2111.6 | 2110.0 | 2110.0 | 2092.5 | 2102.1 | 2083.0 | 2062.3 | 2052.7 | 2052.7 | 2035.2 |
| 5°     | 2299.4 | 2288.3 | 2277.1 | 2259.6 | 2259.6 | 2250.1 | 2219.8 | 2189.6 | 2167.3 | 2148.2 | 2127.5 |
| 7.5°   | 2480.8 | 2469.7 | 2437.8 | 2420.3 | 2429.9 | 2410.8 | 2371.0 | 2320.1 | 2281.9 | 2251.7 | 2208.7 |
| 10°    | 2678.1 | 2647.9 | 2632.0 | 2622.4 | 2589.0 | 2568.3 | 2522.2 | 2447.4 | 2399.6 | 2359.9 | 2304.2 |
| 12.5°  | 2838.8 | 2848.4 | 2787.9 | 2792.7 | 2759.3 | 2730.6 | 2659.0 | 2587.4 | 2515.8 | 2460.1 | 2377.4 |
| 15°    | 3012.3 | 2983.6 | 2947.0 | 2918.4 | 2907.3 | 2872.3 | 2811.8 | 2716.3 | 2638.3 | 2550.8 | 2456.9 |
| 17.5°  | 3149.1 | 3126.9 | 3091.9 | 3064.8 | 3040.9 | 2956.6 | 2905.7 | 2821.3 | 2714.7 | 2628.8 | 2514.2 |
| 20°    | 3265.3 | 3244.6 | 3195.3 | 3177.8 | 3134.8 | 3074.3 | 3001.1 | 2870.7 | 2775.2 | 2681.3 | 2569.9 |
| 22.5°  | 3314.6 | 3293.9 | 3251.0 | 3228.7 | 3201.7 | 3142.8 | 3072.8 | 2948.6 | 2830.9 | 2713.1 | 2595.4 |
| 25°    | 3273.3 | 3273.3 | 3252.6 | 3244.6 | 3220.7 | 3168.2 | 3096.6 | 2991.6 | 2865.9 | 2738.6 | 2598.6 |
| 27.5°  | 3072.8 | 3112.5 | 3126.9 | 3134.8 | 3134.8 | 3136.4 | 3087.1 | 2985.2 | 2862.7 | 2738.6 | 2592.2 |
| 30°    | 2783.1 | 2850.0 | 2908.9 | 2926.4 | 2956.6 | 2990.0 | 3010.7 | 2961.4 | 2851.6 | 2721.1 | 2574.7 |
| 32.5°  | 2418.7 | 2504.7 | 2614.5 | 2641.5 | 2682.9 | 2783.1 | 2838.8 | 2859.5 | 2799.1 | 2684.5 | 2528.5 |
| 35°    | 2055.9 | 2164.1 | 2231.0 | 2313.7 | 2351.9 | 2499.9 | 2624.0 | 2698.8 | 2684.5 | 2616.1 | 2474.4 |
| 37.5°  | 1739.3 | 1801.3 | 1882.5 | 1970.0 | 2046.4 | 2188.0 | 2342.4 | 2487.2 | 2546.0 | 2512.6 | 2406.0 |
| 40°    | 1435.3 | 1508.5 | 1605.6 | 1677.2 | 1729.7 | 1871.3 | 2062.3 | 2219.8 | 2348.7 | 2369.4 | 2304.2 |
| 42.5°  | 1220.5 | 1293.7 | 1352.6 | 1430.6 | 1471.9 | 1608.8 | 1777.5 | 1974.8 | 2127.5 | 2208.7 | 2180.0 |
| 45°    | 1055.0 | 1099.6 | 1147.3 | 1191.9 | 1242.8 | 1363.7 | 1519.7 | 1736.1 | 1907.9 | 2022.5 | 2033.7 |
| 47.5°  | 910.2  | 950.0  | 991.4  | 1032.7 | 1061.4 | 1155.3 | 1298.5 | 1475.1 | 1662.9 | 1820.4 | 1882.5 |
| 50°    | 808.4  | 827.5  | 857.7  | 881.6  | 915.0  | 996.1  | 1110.7 | 1263.5 | 1462.4 | 1632.7 | 1713.8 |
| 52.5°  | 708.1  | 732.0  | 755.9  | 776.5  | 798.8  | 856.1  | 961.1  | 1093.2 | 1265.1 | 1440.1 | 1540.4 |
| 55°    | 623.8  | 642.9  | 665.2  | 679.5  | 692.2  | 743.1  | 822.7  | 924.5  | 1072.5 | 1238.0 | 1362.1 |
| 57.5°  | 555.4  | 563.3  | 582.4  | 590.4  | 604.7  | 646.1  | 703.3  | 794.0  | 913.4  | 1074.1 | 1176.0 |
| 60°    | 480.6  | 496.5  | 510.8  | 517.2  | 528.3  | 556.9  | 596.7  | 681.1  | 784.5  | 902.3  | 1018.4 |
| 62.5°  | 420.1  | 426.5  | 437.6  | 445.6  | 453.5  | 483.7  | 517.2  | 580.8  | 658.8  | 757.4  | 864.1  |
| 65°    | 364.4  | 367.6  | 374.0  | 385.1  | 389.9  | 412.1  | 431.2  | 477.4  | 550.6  | 625.4  | 732.0  |
| 67.5°  | 307.1  | 310.3  | 318.3  | 324.6  | 329.4  | 343.7  | 364.4  | 397.8  | 437.6  | 520.3  | 579.2  |
| 70°    | 262.6  | 262.6  | 267.3  | 270.5  | 275.3  | 281.7  | 292.8  | 318.3  | 354.9  | 407.4  | 461.5  |
| 72.5°  | 219.6  | 219.6  | 219.6  | 224.4  | 224.4  | 229.1  | 235.5  | 253.0  | 278.5  | 319.8  | 354.9  |
| 75°    | 170.3  | 171.9  | 175.0  | 175.0  | 176.6  | 183.0  | 187.8  | 192.5  | 205.3  | 232.3  | 264.2  |
| 77.5°  | 128.9  | 132.1  | 133.7  | 130.5  | 133.7  | 133.7  | 140.0  | 146.4  | 152.8  | 160.7  | 184.6  |
| 80°    | 95.5   | 97.1   | 93.9   | 95.5   | 95.5   | 98.7   | 101.8  | 100.3  | 103.4  | 113.0  | 119.3  |
| 82.5°  | 63.7   | 65.2   | 65.2   | 65.2   | 65.2   | 70.0   | 70.0   | 68.4   | 70.0   | 71.6   | 73.2   |
| 85°    | 39.8   | 38.2   | 38.2   | 39.8   | 38.2   | 38.2   | 39.8   | 41.4   | 39.8   | 41.4   | 43.0   |
| 87.5°  | 17.5   | 17.5   | 17.5   | 17.5   | 15.9   | 15.9   | 17.5   | 15.9   | 17.5   | 15.9   | 14.3   |
| 90°    | 33.6   | 33.1   | 32.6   | 32.3   | 31.5   | 30.0   | 28.5   | 26.9   | 25.4   | 23.4   | 21.3   |
| 92.5°  | 31.2   | 31.2   | 31.2   | 31.2   | 30.4   | 28.9   | 27.3   | 25.8   | 24.2   | 22.2   | 20.1   |
| 95°    | 33.0   | 32.7   | 32.4   | 32.3   | 31.5   | 30.0   | 28.5   | 26.9   | 25.4   | 25.1   | 24.9   |
| 97.5°  | 31.8   | 31.6   | 31.3   | 31.2   | 30.6   | 29.3   | 28.0   | 26.7   | 25.4   | 52.3   | 79.3   |
| 100°   | 31.8   | 31.6   | 31.3   | 31.2   | 33.4   | 37.7   | 42.1   | 46.4   | 50.8   | 86.2   | 121.6  |
| 102.5° | 33.5   | 33.5   | 33.5   | 33.5   | 62.4   | 120.1  | 177.8  | 235.6  | 293.3  | 290.2  | 287.1  |
| 105°   | 347.5  | 356.8  | 366.0  | 370.6  | 369.4  | 367.1  | 364.8  | 362.5  | 360.2  | 358.9  | 357.7  |
| 107.5° | 442.5  | 441.4  | 440.4  | 439.9  | 439.3  | 438.0  | 436.7  | 435.4  | 434.1  | 432.3  | 430.5  |
| 110°   | 513.4  | 512.7  | 511.9  | 511.5  | 511.2  | 510.7  | 510.2  | 509.7  | 509.2  | 507.7  | 506.1  |

TEST NUMBER: P1013265

CATALOG NUMBER: S124RDIP-B1195D1205UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 583.4  | 582.3  | 581.3  | 580.8  | 580.9  | 581.2  | 581.4  | 581.7  | 581.9  | 581.4  | 580.9  |
| 115°   | 653.5  | 653.5  | 653.5  | 653.5  | 653.2  | 652.7  | 652.2  | 651.7  | 651.2  | 651.5  | 651.7  |
| 117.5° | 723.9  | 723.9  | 723.9  | 723.9  | 724.0  | 724.3  | 724.6  | 724.8  | 725.1  | 724.3  | 723.5  |
| 120°   | 790.8  | 791.3  | 791.8  | 792.1  | 791.8  | 791.3  | 790.8  | 790.3  | 789.8  | 790.0  | 790.3  |
| 122.5° | 855.4  | 855.9  | 856.4  | 856.7  | 856.6  | 856.3  | 856.1  | 855.8  | 855.6  | 855.1  | 854.6  |
| 125°   | 918.6  | 918.3  | 918.0  | 917.9  | 917.5  | 916.8  | 916.0  | 915.3  | 914.5  | 915.0  | 915.5  |
| 127.5° | 976.1  | 976.4  | 976.7  | 976.8  | 976.9  | 977.2  | 977.5  | 977.7  | 978.0  | 976.7  | 975.4  |
| 130°   | 1033.4 | 1033.4 | 1033.4 | 1033.4 | 1033.3 | 1033.0 | 1032.7 | 1032.5 | 1032.2 | 1031.4 | 1030.7 |
| 132.5° | 1087.0 | 1087.2 | 1087.5 | 1087.6 | 1087.5 | 1087.2 | 1087.0 | 1086.7 | 1086.5 | 1085.5 | 1084.5 |
| 135°   | 1138.6 | 1138.1 | 1137.6 | 1137.3 | 1137.0 | 1136.5 | 1136.0 | 1135.5 | 1135.0 | 1134.0 | 1133.0 |
| 137.5° | 1185.1 | 1185.4 | 1185.7 | 1185.8 | 1185.5 | 1185.0 | 1184.5 | 1184.0 | 1183.5 | 1182.2 | 1180.9 |
| 140°   | 1231.5 | 1231.2 | 1230.9 | 1230.8 | 1230.4 | 1229.7 | 1228.9 | 1228.2 | 1227.4 | 1226.9 | 1226.3 |
| 142.5° | 1271.2 | 1271.2 | 1271.2 | 1271.2 | 1270.9 | 1270.4 | 1269.9 | 1269.4 | 1268.9 | 1268.7 | 1268.4 |
| 145°   | 1310.6 | 1310.1 | 1309.6 | 1309.3 | 1309.2 | 1308.9 | 1308.7 | 1308.4 | 1308.2 | 1308.2 | 1308.2 |
| 147.5° | 1344.6 | 1344.4 | 1344.1 | 1344.0 | 1343.9 | 1343.6 | 1343.3 | 1343.1 | 1342.8 | 1343.1 | 1343.3 |
| 150°   | 1377.0 | 1376.7 | 1376.4 | 1376.3 | 1376.3 | 1376.3 | 1376.3 | 1376.3 | 1376.3 | 1376.6 | 1376.8 |
| 152.5° | 1405.7 | 1405.9 | 1406.2 | 1406.3 | 1406.0 | 1405.5 | 1405.0 | 1404.5 | 1404.0 | 1404.5 | 1405.0 |
| 155°   | 1431.0 | 1431.7 | 1432.5 | 1432.9 | 1432.4 | 1431.4 | 1430.3 | 1429.3 | 1428.3 | 1429.1 | 1429.8 |
| 157.5° | 1452.8 | 1454.1 | 1455.4 | 1456.0 | 1455.4 | 1454.1 | 1452.8 | 1451.5 | 1450.2 | 1451.2 | 1452.2 |
| 160°   | 1474.1 | 1475.6 | 1477.1 | 1477.9 | 1477.1 | 1475.6 | 1474.1 | 1472.5 | 1471.0 | 1471.2 | 1471.5 |
| 162.5° | 1490.7 | 1492.5 | 1494.3 | 1495.2 | 1494.4 | 1492.9 | 1491.4 | 1489.8 | 1488.3 | 1488.6 | 1488.8 |
| 165°   | 1506.8 | 1509.1 | 1511.4 | 1512.5 | 1511.5 | 1509.4 | 1507.4 | 1505.3 | 1503.3 | 1503.3 | 1503.3 |
| 167.5° | 1518.8 | 1521.4 | 1523.9 | 1525.2 | 1524.1 | 1521.8 | 1519.5 | 1517.2 | 1514.9 | 1515.1 | 1515.4 |
| 170°   | 1529.2 | 1531.8 | 1534.3 | 1535.6 | 1534.6 | 1532.5 | 1530.5 | 1528.4 | 1526.4 | 1526.1 | 1525.9 |
| 172.5° | 1535.5 | 1538.4 | 1541.2 | 1542.6 | 1541.6 | 1539.5 | 1537.4 | 1535.4 | 1533.3 | 1533.1 | 1532.8 |
| 175°   | 1540.6 | 1543.7 | 1546.8 | 1548.3 | 1547.1 | 1544.8 | 1542.5 | 1540.2 | 1537.9 | 1537.7 | 1537.4 |
| 177.5° | 1542.9 | 1546.0 | 1549.1 | 1550.6 | 1549.6 | 1547.5 | 1545.5 | 1543.4 | 1541.4 | 1540.9 | 1540.4 |
| 180°   | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 |
| 2.5°   | 2025.7 | 2017.7 | 2013.0 | 2011.4 | 1997.1 | 1989.1 | 1984.3 | 1981.1 | 1976.4 | 1963.6 | 1952.5 |
| 5°     | 2102.1 | 2079.8 | 2068.7 | 2055.9 | 2033.7 | 2008.2 | 1987.5 | 1974.8 | 1958.9 | 1933.4 | 1909.5 |
| 7.5°   | 2173.7 | 2140.3 | 2118.0 | 2100.5 | 2062.3 | 2020.9 | 1987.5 | 1960.5 | 1930.2 | 1895.2 | 1861.8 |
| 10°    | 2248.5 | 2194.4 | 2165.7 | 2138.7 | 2083.0 | 2028.9 | 1981.1 | 1941.4 | 1898.4 | 1852.2 | 1815.6 |
| 12.5°  | 2307.4 | 2235.7 | 2203.9 | 2165.7 | 2097.3 | 2033.7 | 1973.2 | 1919.1 | 1863.4 | 1814.1 | 1761.5 |
| 15°    | 2375.8 | 2286.7 | 2250.1 | 2200.7 | 2106.9 | 2024.1 | 1946.1 | 1887.3 | 1830.0 | 1756.8 | 1701.1 |
| 17.5°  | 2415.6 | 2312.1 | 2259.6 | 2216.6 | 2114.8 | 2014.6 | 1923.9 | 1850.7 | 1783.8 | 1710.6 | 1651.7 |
| 20°    | 2455.3 | 2337.6 | 2278.7 | 2218.2 | 2097.3 | 1990.7 | 1895.2 | 1807.7 | 1737.7 | 1658.1 | 1597.6 |
| 22.5°  | 2468.1 | 2331.2 | 2269.2 | 2213.5 | 2086.2 | 1966.8 | 1857.0 | 1767.9 | 1686.8 | 1607.2 | 1538.8 |
| 25°    | 2468.1 | 2329.6 | 2256.4 | 2184.8 | 2051.2 | 1928.6 | 1818.8 | 1721.8 | 1631.1 | 1551.5 | 1483.1 |
| 27.5°  | 2442.6 | 2297.8 | 2221.4 | 2156.2 | 2017.7 | 1885.7 | 1772.7 | 1666.1 | 1578.5 | 1499.0 | 1421.0 |
| 30°    | 2410.8 | 2251.7 | 2175.3 | 2097.3 | 1963.6 | 1837.9 | 1715.4 | 1616.7 | 1524.4 | 1433.7 | 1363.7 |
| 32.5°  | 2371.0 | 2202.3 | 2118.0 | 2038.4 | 1896.8 | 1766.3 | 1653.3 | 1556.3 | 1468.7 | 1374.9 | 1296.9 |
| 35°    | 2313.7 | 2129.1 | 2035.2 | 1965.2 | 1828.4 | 1693.1 | 1584.9 | 1489.4 | 1405.1 | 1308.0 | 1223.7 |
| 37.5°  | 2240.5 | 2062.3 | 1966.8 | 1880.9 | 1739.3 | 1615.1 | 1513.3 | 1421.0 | 1338.3 | 1249.2 | 1155.3 |
| 40°    | 2154.6 | 1968.4 | 1885.7 | 1795.0 | 1645.4 | 1527.6 | 1432.1 | 1349.4 | 1266.7 | 1182.3 | 1091.6 |
| 42.5°  | 2057.5 | 1872.9 | 1780.6 | 1693.1 | 1549.9 | 1433.7 | 1344.6 | 1269.8 | 1193.5 | 1115.5 | 1018.4 |
| 45°    | 1941.4 | 1767.9 | 1678.8 | 1596.1 | 1457.6 | 1338.3 | 1257.1 | 1185.5 | 1120.3 | 1040.7 | 954.8  |
| 47.5°  | 1810.9 | 1659.7 | 1569.0 | 1479.9 | 1344.6 | 1241.2 | 1161.6 | 1101.2 | 1045.5 | 965.9  | 887.9  |
| 50°    | 1683.6 | 1534.0 | 1460.8 | 1370.1 | 1246.0 | 1148.9 | 1067.7 | 1016.8 | 973.9  | 895.9  | 825.9  |
| 52.5°  | 1522.9 | 1409.9 | 1339.9 | 1261.9 | 1142.5 | 1043.9 | 980.2  | 935.7  | 884.8  | 824.3  | 762.2  |
| 55°    | 1381.2 | 1276.2 | 1220.5 | 1147.3 | 1029.6 | 942.0  | 887.9  | 846.6  | 806.8  | 752.7  | 703.3  |
| 57.5°  | 1220.5 | 1155.3 | 1099.6 | 1035.9 | 919.8  | 845.0  | 797.2  | 762.2  | 725.6  | 681.1  | 641.3  |
| 60°    | 1051.8 | 1021.6 | 967.5  | 916.6  | 817.9  | 752.7  | 712.9  | 681.1  | 646.1  | 609.5  | 576.0  |
| 62.5°  | 902.3  | 884.8  | 852.9  | 813.1  | 720.8  | 665.2  | 625.4  | 601.5  | 576.0  | 542.6  | 510.8  |
| 65°    | 760.6  | 752.7  | 722.4  | 693.8  | 630.1  | 580.8  | 545.8  | 531.5  | 502.8  | 477.4  | 448.7  |
| 67.5°  | 634.9  | 625.4  | 607.9  | 595.1  | 541.0  | 494.9  | 477.4  | 458.3  | 434.4  | 415.3  | 391.5  |
| 70°    | 507.6  | 506.0  | 494.9  | 479.0  | 450.3  | 416.9  | 399.4  | 386.7  | 362.8  | 348.5  | 331.0  |
| 72.5°  | 394.6  | 402.6  | 393.0  | 386.7  | 367.6  | 343.7  | 327.8  | 319.8  | 300.8  | 289.6  | 276.9  |
| 75°    | 294.4  | 300.8  | 305.5  | 294.4  | 289.6  | 278.5  | 264.2  | 256.2  | 246.6  | 230.7  | 226.0  |
| 77.5°  | 200.5  | 214.8  | 214.8  | 218.0  | 219.6  | 213.2  | 202.1  | 195.7  | 184.6  | 181.4  | 175.0  |
| 80°    | 132.1  | 144.8  | 146.4  | 149.6  | 154.4  | 154.4  | 146.4  | 144.8  | 133.7  | 132.1  | 127.3  |
| 82.5°  | 76.4   | 87.5   | 93.9   | 98.7   | 97.1   | 103.4  | 97.1   | 95.5   | 89.1   | 89.1   | 85.9   |
| 85°    | 41.4   | 43.0   | 46.1   | 49.3   | 52.5   | 55.7   | 55.7   | 54.1   | 52.5   | 50.9   | 47.7   |
| 87.5°  | 15.9   | 15.9   | 17.5   | 15.9   | 17.5   | 20.7   | 22.3   | 22.3   | 20.7   | 19.1   | 15.9   |
| 90°    | 19.3   | 17.2   | 16.2   | 14.8   | 12.0   | 9.1    | 6.3    | 3.5    | 6.3    | 9.1    | 12.0   |
| 92.5°  | 18.1   | 16.0   | 15.0   | 15.3   | 15.8   | 16.3   | 16.8   | 17.3   | 16.8   | 16.3   | 15.8   |
| 95°    | 24.6   | 24.3   | 24.2   | 28.6   | 37.3   | 46.0   | 54.8   | 63.5   | 54.8   | 46.0   | 37.3   |
| 97.5°  | 106.2  | 133.1  | 146.6  | 143.8  | 138.1  | 132.5  | 126.8  | 121.2  | 126.8  | 132.5  | 138.1  |
| 100°   | 157.0  | 192.4  | 210.1  | 207.8  | 203.2  | 198.6  | 194.0  | 189.4  | 194.0  | 198.6  | 203.2  |
| 102.5° | 284.0  | 280.9  | 279.4  | 277.9  | 274.8  | 271.7  | 268.7  | 265.6  | 268.7  | 271.7  | 274.8  |
| 105°   | 356.4  | 355.1  | 354.5  | 353.7  | 352.2  | 350.6  | 349.1  | 347.5  | 349.1  | 350.6  | 352.2  |
| 107.5° | 428.8  | 427.0  | 426.1  | 425.7  | 424.9  | 424.2  | 423.4  | 422.6  | 423.4  | 424.2  | 424.9  |
| 110°   | 504.6  | 503.1  | 502.3  | 501.9  | 501.1  | 500.4  | 499.6  | 498.8  | 499.6  | 500.4  | 501.1  |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 580.4  | 579.9  | 579.6  | 578.8  | 577.3  | 575.8  | 574.2  | 572.7  | 574.2  | 575.8  | 577.3  |
| 115°   | 652.0  | 652.3  | 652.4  | 652.0  | 651.2  | 650.5  | 649.7  | 648.9  | 649.7  | 650.5  | 651.2  |
| 117.5° | 722.8  | 722.0  | 721.6  | 721.1  | 720.1  | 719.0  | 718.0  | 717.0  | 718.0  | 719.0  | 720.1  |
| 120°   | 790.5  | 790.8  | 790.9  | 790.4  | 789.4  | 788.3  | 787.3  | 786.3  | 787.3  | 788.3  | 789.4  |
| 122.5° | 854.1  | 853.6  | 853.3  | 853.0  | 852.5  | 852.0  | 851.5  | 851.0  | 851.5  | 852.0  | 852.5  |
| 125°   | 916.0  | 916.5  | 916.8  | 916.3  | 915.2  | 914.2  | 913.1  | 912.1  | 913.1  | 914.2  | 915.2  |
| 127.5° | 974.1  | 972.8  | 972.2  | 972.1  | 971.8  | 971.5  | 971.3  | 971.0  | 971.3  | 971.5  | 971.8  |
| 130°   | 1029.9 | 1029.2 | 1028.8 | 1028.7 | 1028.4 | 1028.1 | 1027.9 | 1027.6 | 1027.9 | 1028.1 | 1028.4 |
| 132.5° | 1083.4 | 1082.4 | 1081.9 | 1081.6 | 1081.1 | 1080.6 | 1080.1 | 1079.6 | 1080.1 | 1080.6 | 1081.1 |
| 135°   | 1131.9 | 1130.9 | 1130.4 | 1130.5 | 1130.8 | 1131.0 | 1131.3 | 1131.5 | 1131.3 | 1131.0 | 1130.8 |
| 137.5° | 1179.6 | 1178.3 | 1177.7 | 1177.7 | 1177.7 | 1177.7 | 1177.7 | 1177.7 | 1177.7 | 1177.7 | 1177.7 |
| 140°   | 1225.8 | 1225.3 | 1225.0 | 1224.7 | 1224.2 | 1223.7 | 1223.2 | 1222.7 | 1223.2 | 1223.7 | 1224.2 |
| 142.5° | 1268.2 | 1267.9 | 1267.8 | 1267.3 | 1266.2 | 1265.2 | 1264.1 | 1263.1 | 1264.1 | 1265.2 | 1266.2 |
| 145°   | 1308.2 | 1308.2 | 1308.2 | 1307.8 | 1307.0 | 1306.3 | 1305.5 | 1304.7 | 1305.5 | 1306.3 | 1307.0 |
| 147.5° | 1343.6 | 1343.9 | 1344.0 | 1343.2 | 1341.7 | 1340.1 | 1338.6 | 1337.0 | 1338.6 | 1340.1 | 1341.7 |
| 150°   | 1377.1 | 1377.4 | 1377.5 | 1377.0 | 1375.9 | 1374.9 | 1373.8 | 1372.8 | 1373.8 | 1374.9 | 1375.9 |
| 152.5° | 1405.5 | 1406.0 | 1406.3 | 1405.9 | 1405.2 | 1404.4 | 1403.7 | 1402.9 | 1403.7 | 1404.4 | 1405.2 |
| 155°   | 1430.6 | 1431.3 | 1431.7 | 1431.6 | 1431.3 | 1431.1 | 1430.8 | 1430.6 | 1430.8 | 1431.1 | 1431.3 |
| 157.5° | 1453.3 | 1454.3 | 1454.8 | 1454.8 | 1454.8 | 1454.8 | 1454.8 | 1454.8 | 1454.8 | 1454.8 | 1454.8 |
| 160°   | 1471.7 | 1472.0 | 1472.1 | 1472.5 | 1473.3 | 1474.0 | 1474.8 | 1475.6 | 1474.8 | 1474.0 | 1473.3 |
| 162.5° | 1489.1 | 1489.4 | 1489.5 | 1490.0 | 1491.0 | 1492.1 | 1493.1 | 1494.1 | 1493.1 | 1492.1 | 1491.0 |
| 165°   | 1503.3 | 1503.3 | 1503.3 | 1503.9 | 1505.2 | 1506.5 | 1507.8 | 1509.1 | 1507.8 | 1506.5 | 1505.2 |
| 167.5° | 1515.6 | 1515.9 | 1516.0 | 1516.6 | 1517.9 | 1519.2 | 1520.5 | 1521.8 | 1520.5 | 1519.2 | 1517.9 |
| 170°   | 1525.6 | 1525.3 | 1525.2 | 1526.0 | 1527.5 | 1529.1 | 1530.6 | 1532.2 | 1530.6 | 1529.1 | 1527.5 |
| 172.5° | 1532.6 | 1532.3 | 1532.2 | 1533.0 | 1534.5 | 1536.0 | 1537.6 | 1539.1 | 1537.6 | 1536.0 | 1534.5 |
| 175°   | 1537.2 | 1536.9 | 1536.8 | 1537.6 | 1539.1 | 1540.6 | 1542.2 | 1543.7 | 1542.2 | 1540.6 | 1539.1 |
| 177.5° | 1539.9 | 1539.4 | 1539.1 | 1540.0 | 1541.8 | 1543.6 | 1545.4 | 1547.2 | 1545.4 | 1543.6 | 1541.8 |
| 180°   | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 |
| 2.5°   | 1942.9 | 1939.8 | 1936.6 | 1923.9 | 1912.7 | 1893.6 | 1877.7 | 1871.3 | 1869.8 | 1871.3 | 1866.6 |
| 5°     | 1887.3 | 1885.7 | 1874.5 | 1852.2 | 1831.6 | 1809.3 | 1793.4 | 1777.5 | 1767.9 | 1767.9 | 1756.8 |
| 7.5°   | 1834.7 | 1823.6 | 1814.1 | 1785.4 | 1761.5 | 1731.3 | 1707.4 | 1693.1 | 1685.2 | 1667.7 | 1667.7 |
| 10°    | 1779.0 | 1763.1 | 1750.4 | 1723.4 | 1688.3 | 1658.1 | 1627.9 | 1610.4 | 1596.1 | 1583.3 | 1578.5 |
| 12.5°  | 1723.4 | 1710.6 | 1686.8 | 1658.1 | 1623.1 | 1584.9 | 1553.1 | 1540.4 | 1506.9 | 1479.9 | 1481.5 |
| 15°    | 1670.8 | 1642.2 | 1631.1 | 1589.7 | 1548.3 | 1511.7 | 1465.6 | 1429.0 | 1401.9 | 1384.4 | 1362.1 |
| 17.5°  | 1612.0 | 1583.3 | 1562.6 | 1527.6 | 1473.5 | 1416.2 | 1371.7 | 1322.4 | 1295.3 | 1265.1 | 1250.7 |
| 20°    | 1546.7 | 1522.9 | 1506.9 | 1451.2 | 1386.0 | 1317.6 | 1268.2 | 1238.0 | 1207.8 | 1185.5 | 1172.8 |
| 22.5°  | 1491.0 | 1460.8 | 1441.7 | 1366.9 | 1295.3 | 1226.9 | 1188.7 | 1163.2 | 1137.8 | 1118.7 | 1112.3 |
| 25°    | 1419.4 | 1401.9 | 1355.8 | 1290.5 | 1203.0 | 1156.9 | 1123.4 | 1090.0 | 1075.7 | 1063.0 | 1048.7 |
| 27.5°  | 1360.5 | 1317.6 | 1285.8 | 1199.8 | 1145.7 | 1093.2 | 1059.8 | 1034.3 | 1016.8 | 1004.1 | 993.0  |
| 30°    | 1287.3 | 1247.6 | 1203.0 | 1131.4 | 1082.1 | 1032.7 | 1002.5 | 981.8  | 962.7  | 954.8  | 945.2  |
| 32.5°  | 1211.0 | 1174.4 | 1131.4 | 1074.1 | 1013.6 | 975.5  | 951.6  | 929.3  | 916.6  | 908.6  | 897.5  |
| 35°    | 1142.5 | 1096.4 | 1067.7 | 1013.6 | 964.3  | 921.3  | 899.1  | 880.0  | 865.7  | 862.5  | 860.9  |
| 37.5°  | 1069.3 | 1034.3 | 1007.3 | 951.6  | 910.2  | 873.6  | 852.9  | 832.2  | 824.3  | 822.7  | 816.3  |
| 40°    | 1005.7 | 975.5  | 950.0  | 897.5  | 852.9  | 819.5  | 803.6  | 790.9  | 782.9  | 782.9  | 781.3  |
| 42.5°  | 950.0  | 918.2  | 892.7  | 845.0  | 805.2  | 775.0  | 757.4  | 744.7  | 741.5  | 743.1  | 741.5  |
| 45°    | 887.9  | 860.9  | 835.4  | 786.1  | 752.7  | 730.4  | 711.3  | 704.9  | 700.2  | 701.8  | 703.3  |
| 47.5°  | 829.1  | 806.8  | 781.3  | 741.5  | 703.3  | 679.5  | 668.3  | 662.0  | 662.0  | 662.0  | 665.2  |
| 50°    | 776.5  | 751.1  | 728.8  | 687.4  | 652.4  | 633.3  | 623.8  | 615.8  | 617.4  | 619.0  | 620.6  |
| 52.5°  | 714.5  | 692.2  | 676.3  | 634.9  | 609.5  | 585.6  | 574.5  | 576.0  | 574.5  | 574.5  | 577.6  |
| 55°    | 660.4  | 638.1  | 622.2  | 584.0  | 558.5  | 542.6  | 533.1  | 528.3  | 529.9  | 526.7  | 533.1  |
| 57.5°  | 599.9  | 580.8  | 569.7  | 533.1  | 510.8  | 496.5  | 488.5  | 480.6  | 483.7  | 482.2  | 480.6  |
| 60°    | 547.4  | 525.1  | 507.6  | 482.2  | 463.1  | 445.6  | 440.8  | 432.8  | 436.0  | 432.8  | 431.2  |
| 62.5°  | 486.9  | 469.4  | 456.7  | 431.2  | 415.3  | 401.0  | 389.9  | 385.1  | 383.5  | 378.7  | 374.0  |
| 65°    | 426.5  | 416.9  | 404.2  | 378.7  | 362.8  | 351.7  | 345.3  | 340.5  | 338.9  | 326.2  | 311.9  |
| 67.5°  | 370.8  | 364.4  | 351.7  | 332.6  | 318.3  | 307.1  | 297.6  | 289.6  | 280.1  | 270.5  | 262.6  |
| 70°    | 318.3  | 308.7  | 300.8  | 283.2  | 270.5  | 259.4  | 249.8  | 240.3  | 235.5  | 226.0  | 222.8  |
| 72.5°  | 267.3  | 257.8  | 249.8  | 233.9  | 222.8  | 211.6  | 208.5  | 197.3  | 192.5  | 191.0  | 191.0  |
| 75°    | 214.8  | 206.9  | 202.1  | 187.8  | 178.2  | 170.3  | 165.5  | 162.3  | 159.1  | 155.9  | 151.2  |
| 77.5°  | 163.9  | 159.1  | 155.9  | 146.4  | 138.4  | 133.7  | 132.1  | 120.9  | 117.8  | 114.6  | 111.4  |
| 80°    | 119.3  | 117.8  | 114.6  | 106.6  | 103.4  | 92.3   | 92.3   | 89.1   | 87.5   | 87.5   | 87.5   |
| 82.5°  | 81.2   | 78.0   | 76.4   | 68.4   | 66.8   | 65.2   | 63.7   | 62.1   | 63.7   | 62.1   | 63.7   |
| 85°    | 43.0   | 41.4   | 39.8   | 39.8   | 39.8   | 39.8   | 39.8   | 39.8   | 39.8   | 38.2   | 39.8   |
| 87.5°  | 15.9   | 15.9   | 15.9   | 15.9   | 14.3   | 15.9   | 15.9   | 14.3   | 15.9   | 15.9   | 15.9   |
| 90°    | 14.8   | 16.2   | 17.2   | 19.3   | 21.3   | 23.4   | 25.4   | 26.9   | 28.5   | 30.0   | 31.5   |
| 92.5°  | 15.3   | 15.0   | 16.0   | 18.1   | 20.1   | 22.2   | 24.2   | 25.8   | 27.3   | 28.9   | 30.4   |
| 95°    | 28.6   | 24.2   | 24.3   | 24.6   | 24.9   | 25.1   | 25.4   | 26.9   | 28.5   | 30.0   | 31.5   |
| 97.5°  | 143.8  | 146.6  | 133.1  | 106.2  | 79.3   | 52.3   | 25.4   | 26.7   | 28.0   | 29.3   | 30.6   |
| 100°   | 207.8  | 210.1  | 192.4  | 157.0  | 121.6  | 86.2   | 50.8   | 46.4   | 42.1   | 37.7   | 33.4   |
| 102.5° | 277.9  | 279.4  | 280.9  | 284.0  | 287.1  | 290.2  | 293.3  | 235.6  | 177.8  | 120.1  | 62.4   |
| 105°   | 353.7  | 354.5  | 355.1  | 356.4  | 357.7  | 358.9  | 360.2  | 362.5  | 364.8  | 367.1  | 369.4  |
| 107.5° | 425.7  | 426.1  | 427.0  | 428.8  | 430.5  | 432.3  | 434.1  | 435.4  | 436.7  | 438.0  | 439.3  |
| 110°   | 501.9  | 502.3  | 503.1  | 504.6  | 506.1  | 507.7  | 509.2  | 509.7  | 510.2  | 510.7  | 511.2  |

TEST NUMBER: P1013265

CATALOG NUMBER: S124RDIP-B1195D1205UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 578.8  | 579.6  | 579.9  | 580.4  | 580.9  | 581.4  | 581.9  | 581.7  | 581.4  | 581.2  | 580.9  |
| 115°   | 652.0  | 652.4  | 652.3  | 652.0  | 651.7  | 651.5  | 651.2  | 651.7  | 652.2  | 652.7  | 653.2  |
| 117.5° | 721.1  | 721.6  | 722.0  | 722.8  | 723.5  | 724.3  | 725.1  | 724.8  | 724.6  | 724.3  | 724.0  |
| 120°   | 790.4  | 790.9  | 790.8  | 790.5  | 790.3  | 790.0  | 789.8  | 790.3  | 790.8  | 791.3  | 791.8  |
| 122.5° | 853.0  | 853.3  | 853.6  | 854.1  | 854.6  | 855.1  | 855.6  | 855.8  | 856.1  | 856.3  | 856.6  |
| 125°   | 916.3  | 916.8  | 916.5  | 916.0  | 915.5  | 915.0  | 914.5  | 915.3  | 916.0  | 916.8  | 917.5  |
| 127.5° | 972.1  | 972.2  | 972.8  | 974.1  | 975.4  | 976.7  | 978.0  | 977.7  | 977.5  | 977.2  | 976.9  |
| 130°   | 1028.7 | 1028.8 | 1029.2 | 1029.9 | 1030.7 | 1031.4 | 1032.2 | 1032.5 | 1032.7 | 1033.0 | 1033.3 |
| 132.5° | 1081.6 | 1081.9 | 1082.4 | 1083.4 | 1084.5 | 1085.5 | 1086.5 | 1086.7 | 1087.0 | 1087.2 | 1087.5 |
| 135°   | 1130.5 | 1130.4 | 1130.9 | 1131.9 | 1133.0 | 1134.0 | 1135.0 | 1135.5 | 1136.0 | 1136.5 | 1137.0 |
| 137.5° | 1177.7 | 1177.7 | 1178.3 | 1179.6 | 1180.9 | 1182.2 | 1183.5 | 1184.0 | 1184.5 | 1185.0 | 1185.5 |
| 140°   | 1224.7 | 1225.0 | 1225.3 | 1225.8 | 1226.3 | 1226.9 | 1227.4 | 1228.2 | 1228.9 | 1229.7 | 1230.4 |
| 142.5° | 1267.3 | 1267.8 | 1267.9 | 1268.2 | 1268.4 | 1268.7 | 1268.9 | 1269.4 | 1269.9 | 1270.4 | 1270.9 |
| 145°   | 1307.8 | 1308.2 | 1308.2 | 1308.2 | 1308.2 | 1308.2 | 1308.2 | 1308.4 | 1308.7 | 1308.9 | 1309.2 |
| 147.5° | 1343.2 | 1344.0 | 1343.9 | 1343.6 | 1343.3 | 1343.1 | 1342.8 | 1343.1 | 1343.3 | 1343.6 | 1343.9 |
| 150°   | 1377.0 | 1377.5 | 1377.4 | 1377.1 | 1376.8 | 1376.6 | 1376.3 | 1376.3 | 1376.3 | 1376.3 | 1376.3 |
| 152.5° | 1405.9 | 1406.3 | 1406.0 | 1405.5 | 1405.0 | 1404.5 | 1404.0 | 1404.5 | 1405.0 | 1405.5 | 1406.0 |
| 155°   | 1431.6 | 1431.7 | 1431.3 | 1430.6 | 1429.8 | 1429.1 | 1428.3 | 1429.3 | 1430.3 | 1431.4 | 1432.4 |
| 157.5° | 1454.8 | 1454.8 | 1454.3 | 1453.3 | 1452.2 | 1451.2 | 1450.2 | 1451.5 | 1452.8 | 1454.1 | 1455.4 |
| 160°   | 1472.5 | 1472.1 | 1472.0 | 1471.7 | 1471.5 | 1471.2 | 1471.0 | 1472.5 | 1474.1 | 1475.6 | 1477.1 |
| 162.5° | 1490.0 | 1489.5 | 1489.4 | 1489.1 | 1488.8 | 1488.6 | 1488.3 | 1489.8 | 1491.4 | 1492.9 | 1494.4 |
| 165°   | 1503.9 | 1503.3 | 1503.3 | 1503.3 | 1503.3 | 1503.3 | 1503.3 | 1505.3 | 1507.4 | 1509.4 | 1511.5 |
| 167.5° | 1516.6 | 1516.0 | 1515.9 | 1515.6 | 1515.4 | 1515.1 | 1514.9 | 1517.2 | 1519.5 | 1521.8 | 1524.1 |
| 170°   | 1526.0 | 1525.2 | 1525.3 | 1525.6 | 1525.9 | 1526.1 | 1526.4 | 1528.4 | 1530.5 | 1532.5 | 1534.6 |
| 172.5° | 1533.0 | 1532.2 | 1532.3 | 1532.6 | 1532.8 | 1533.1 | 1533.3 | 1535.4 | 1537.4 | 1539.5 | 1541.6 |
| 175°   | 1537.6 | 1536.8 | 1536.9 | 1537.2 | 1537.4 | 1537.7 | 1537.9 | 1540.2 | 1542.5 | 1544.8 | 1547.1 |
| 177.5° | 1540.0 | 1539.1 | 1539.4 | 1539.9 | 1540.4 | 1540.9 | 1541.4 | 1543.4 | 1545.5 | 1547.5 | 1549.6 |
| 180°   | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 |

TEST NUMBER: P1013265

CATALOG NUMBER: S124RDIP-B1195D1205UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 |
| 2.5°   | 1866.6 | 1872.9 | 1865.0 | 1869.8 | 1858.6 | 1857.0 | 1858.6 | 1858.6 | 1860.2 | 1861.8 | 1863.4 |
| 5°     | 1761.5 | 1760.0 | 1750.4 | 1744.0 | 1739.3 | 1744.0 | 1747.2 | 1750.4 | 1747.2 | 1750.4 | 1752.0 |
| 7.5°   | 1662.9 | 1658.1 | 1653.3 | 1642.2 | 1645.4 | 1642.2 | 1651.7 | 1647.0 | 1647.0 | 1654.9 | 1661.3 |
| 10°    | 1575.4 | 1565.8 | 1562.6 | 1549.9 | 1540.4 | 1538.8 | 1549.9 | 1554.7 | 1559.5 | 1562.6 | 1575.4 |
| 12.5°  | 1462.4 | 1448.1 | 1436.9 | 1441.7 | 1414.6 | 1425.8 | 1429.0 | 1422.6 | 1441.7 | 1464.0 | 1451.2 |
| 15°    | 1341.4 | 1343.0 | 1320.8 | 1312.8 | 1290.5 | 1296.9 | 1298.5 | 1314.4 | 1330.3 | 1328.7 | 1347.8 |
| 17.5°  | 1252.3 | 1242.8 | 1223.7 | 1222.1 | 1212.6 | 1217.3 | 1215.7 | 1228.5 | 1223.7 | 1231.6 | 1247.6 |
| 20°    | 1169.6 | 1163.2 | 1147.3 | 1140.9 | 1144.1 | 1140.9 | 1142.5 | 1144.1 | 1148.9 | 1166.4 | 1163.2 |
| 22.5°  | 1104.3 | 1096.4 | 1096.4 | 1088.4 | 1078.9 | 1075.7 | 1083.7 | 1088.4 | 1094.8 | 1098.0 | 1105.9 |
| 25°    | 1047.1 | 1040.7 | 1032.7 | 1028.0 | 1020.0 | 1021.6 | 1026.4 | 1032.7 | 1037.5 | 1043.9 | 1050.2 |
| 27.5°  | 988.2  | 988.2  | 980.2  | 978.6  | 975.5  | 973.9  | 980.2  | 983.4  | 983.4  | 988.2  | 994.5  |
| 30°    | 942.0  | 942.0  | 934.1  | 932.5  | 930.9  | 930.9  | 935.7  | 937.3  | 938.9  | 943.6  | 946.8  |
| 32.5°  | 897.5  | 895.9  | 892.7  | 894.3  | 892.7  | 894.3  | 894.3  | 895.9  | 899.1  | 900.7  | 907.0  |
| 35°    | 856.1  | 857.7  | 854.5  | 854.5  | 852.9  | 854.5  | 857.7  | 859.3  | 860.9  | 864.1  | 864.1  |
| 37.5°  | 816.3  | 819.5  | 817.9  | 822.7  | 822.7  | 822.7  | 822.7  | 825.9  | 825.9  | 825.9  | 824.3  |
| 40°    | 781.3  | 781.3  | 779.7  | 782.9  | 786.1  | 786.1  | 787.7  | 787.7  | 789.3  | 789.3  | 787.7  |
| 42.5°  | 741.5  | 744.7  | 749.5  | 751.1  | 754.3  | 752.7  | 757.4  | 755.9  | 757.4  | 754.3  | 751.1  |
| 45°    | 704.9  | 704.9  | 711.3  | 717.7  | 719.3  | 719.3  | 719.3  | 722.4  | 719.3  | 714.5  | 712.9  |
| 47.5°  | 665.2  | 668.3  | 671.5  | 679.5  | 681.1  | 681.1  | 681.1  | 681.1  | 677.9  | 677.9  | 677.9  |
| 50°    | 625.4  | 627.0  | 628.6  | 631.7  | 636.5  | 634.9  | 634.9  | 634.9  | 641.3  | 634.9  | 636.5  |
| 52.5°  | 577.6  | 579.2  | 580.8  | 587.2  | 585.6  | 585.6  | 587.2  | 587.2  | 592.0  | 590.4  | 587.2  |
| 55°    | 529.9  | 529.9  | 533.1  | 533.1  | 533.1  | 536.3  | 537.9  | 541.0  | 539.4  | 541.0  | 542.6  |
| 57.5°  | 482.2  | 479.0  | 477.4  | 477.4  | 482.2  | 480.6  | 482.2  | 482.2  | 488.5  | 491.7  | 493.3  |
| 60°    | 426.5  | 426.5  | 424.9  | 415.3  | 415.3  | 413.7  | 418.5  | 421.7  | 424.9  | 439.2  | 437.6  |
| 62.5°  | 369.2  | 362.8  | 356.4  | 358.0  | 348.5  | 353.3  | 350.1  | 353.3  | 362.8  | 374.0  | 375.5  |
| 65°    | 311.9  | 307.1  | 300.8  | 299.2  | 296.0  | 300.8  | 299.2  | 300.8  | 305.5  | 311.9  | 319.8  |
| 67.5°  | 261.0  | 259.4  | 256.2  | 254.6  | 254.6  | 254.6  | 257.8  | 257.8  | 259.4  | 264.2  | 268.9  |
| 70°    | 222.8  | 221.2  | 222.8  | 219.6  | 221.2  | 219.6  | 221.2  | 222.8  | 224.4  | 226.0  | 230.7  |
| 72.5°  | 187.8  | 187.8  | 187.8  | 184.6  | 187.8  | 186.2  | 186.2  | 187.8  | 189.4  | 191.0  | 194.1  |
| 75°    | 149.6  | 146.4  | 143.2  | 140.0  | 138.4  | 141.6  | 143.2  | 141.6  | 146.4  | 152.8  | 152.8  |
| 77.5°  | 113.0  | 111.4  | 111.4  | 111.4  | 113.0  | 111.4  | 114.6  | 113.0  | 114.6  | 114.6  | 117.8  |
| 80°    | 87.5   | 85.9   | 87.5   | 87.5   | 85.9   | 89.1   | 87.5   | 87.5   | 89.1   | 90.7   | 89.1   |
| 82.5°  | 63.7   | 65.2   | 63.7   | 63.7   | 63.7   | 66.8   | 63.7   | 63.7   | 63.7   | 65.2   | 65.2   |
| 85°    | 39.8   | 39.8   | 39.8   | 39.8   | 41.4   | 39.8   | 41.4   | 39.8   | 43.0   | 41.4   | 41.4   |
| 87.5°  | 14.3   | 15.9   | 17.5   | 17.5   | 17.5   | 17.5   | 15.9   | 17.5   | 19.1   | 17.5   | 19.1   |
| 90°    | 32.3   | 32.6   | 33.1   | 33.6   | 34.1   | 34.6   | 34.1   | 33.6   | 33.1   | 32.6   | 32.3   |
| 92.5°  | 31.2   | 31.2   | 31.2   | 31.2   | 31.2   | 31.2   | 31.2   | 31.2   | 31.2   | 31.2   | 31.2   |
| 95°    | 32.3   | 32.4   | 32.7   | 33.0   | 33.2   | 33.5   | 33.2   | 33.0   | 32.7   | 32.4   | 32.3   |
| 97.5°  | 31.2   | 31.3   | 31.6   | 31.8   | 32.1   | 32.3   | 32.1   | 31.8   | 31.6   | 31.3   | 31.2   |
| 100°   | 31.2   | 31.3   | 31.6   | 31.8   | 32.1   | 32.3   | 32.1   | 31.8   | 31.6   | 31.3   | 31.2   |
| 102.5° | 33.5   | 33.5   | 33.5   | 33.5   | 33.5   | 33.5   | 33.5   | 33.5   | 33.5   | 33.5   | 33.5   |
| 105°   | 370.6  | 366.0  | 356.8  | 347.5  | 338.3  | 329.1  | 338.3  | 347.5  | 356.8  | 366.0  | 370.6  |
| 107.5° | 439.9  | 440.4  | 441.4  | 442.5  | 443.5  | 444.5  | 443.5  | 442.5  | 441.4  | 440.4  | 439.9  |
| 110°   | 511.5  | 511.9  | 512.7  | 513.4  | 514.2  | 515.0  | 514.2  | 513.4  | 512.7  | 511.9  | 511.5  |

TEST NUMBER: P1013265

CATALOG NUMBER: S124RDIP-B1195D1205UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 580.8  | 581.3  | 582.3  | 583.4  | 584.4  | 585.4  | 584.4  | 583.4  | 582.3  | 581.3  | 580.8  |
| 115°   | 653.5  | 653.5  | 653.5  | 653.5  | 653.5  | 653.5  | 653.5  | 653.5  | 653.5  | 653.5  | 653.5  |
| 117.5° | 723.9  | 723.9  | 723.9  | 723.9  | 723.9  | 723.9  | 723.9  | 723.9  | 723.9  | 723.9  | 723.9  |
| 120°   | 792.1  | 791.8  | 791.3  | 790.8  | 790.3  | 789.8  | 790.3  | 790.8  | 791.3  | 791.8  | 792.1  |
| 122.5° | 856.7  | 856.4  | 855.9  | 855.4  | 854.9  | 854.4  | 854.9  | 855.4  | 855.9  | 856.4  | 856.7  |
| 125°   | 917.9  | 918.0  | 918.3  | 918.6  | 918.8  | 919.1  | 918.8  | 918.6  | 918.3  | 918.0  | 917.9  |
| 127.5° | 976.8  | 976.7  | 976.4  | 976.1  | 975.9  | 975.6  | 975.9  | 976.1  | 976.4  | 976.7  | 976.8  |
| 130°   | 1033.4 | 1033.4 | 1033.4 | 1033.4 | 1033.4 | 1033.4 | 1033.4 | 1033.4 | 1033.4 | 1033.4 | 1033.4 |
| 132.5° | 1087.6 | 1087.5 | 1087.2 | 1087.0 | 1086.7 | 1086.5 | 1086.7 | 1087.0 | 1087.2 | 1087.5 | 1087.6 |
| 135°   | 1137.3 | 1137.6 | 1138.1 | 1138.6 | 1139.1 | 1139.6 | 1139.1 | 1138.6 | 1138.1 | 1137.6 | 1137.3 |
| 137.5° | 1185.8 | 1185.7 | 1185.4 | 1185.1 | 1184.9 | 1184.6 | 1184.9 | 1185.1 | 1185.4 | 1185.7 | 1185.8 |
| 140°   | 1230.8 | 1230.9 | 1231.2 | 1231.5 | 1231.7 | 1232.0 | 1231.7 | 1231.5 | 1231.2 | 1230.9 | 1230.8 |
| 142.5° | 1271.2 | 1271.2 | 1271.2 | 1271.2 | 1271.2 | 1271.2 | 1271.2 | 1271.2 | 1271.2 | 1271.2 | 1271.2 |
| 145°   | 1309.3 | 1309.6 | 1310.1 | 1310.6 | 1311.1 | 1311.6 | 1311.1 | 1310.6 | 1310.1 | 1309.6 | 1309.3 |
| 147.5° | 1344.0 | 1344.1 | 1344.4 | 1344.6 | 1344.9 | 1345.1 | 1344.9 | 1344.6 | 1344.4 | 1344.1 | 1344.0 |
| 150°   | 1376.3 | 1376.4 | 1376.7 | 1377.0 | 1377.2 | 1377.5 | 1377.2 | 1377.0 | 1376.7 | 1376.4 | 1376.3 |
| 152.5° | 1406.3 | 1406.2 | 1405.9 | 1405.7 | 1405.4 | 1405.2 | 1405.4 | 1405.7 | 1405.9 | 1406.2 | 1406.3 |
| 155°   | 1432.9 | 1432.5 | 1431.7 | 1431.0 | 1430.2 | 1429.4 | 1430.2 | 1431.0 | 1431.7 | 1432.5 | 1432.9 |
| 157.5° | 1456.0 | 1455.4 | 1454.1 | 1452.8 | 1451.5 | 1450.2 | 1451.5 | 1452.8 | 1454.1 | 1455.4 | 1456.0 |
| 160°   | 1477.9 | 1477.1 | 1475.6 | 1474.1 | 1472.5 | 1471.0 | 1472.5 | 1474.1 | 1475.6 | 1477.1 | 1477.9 |
| 162.5° | 1495.2 | 1494.3 | 1492.5 | 1490.7 | 1488.9 | 1487.1 | 1488.9 | 1490.7 | 1492.5 | 1494.3 | 1495.2 |
| 165°   | 1512.5 | 1511.4 | 1509.1 | 1506.8 | 1504.5 | 1502.2 | 1504.5 | 1506.8 | 1509.1 | 1511.4 | 1512.5 |
| 167.5° | 1525.2 | 1523.9 | 1521.4 | 1518.8 | 1516.3 | 1513.7 | 1516.3 | 1518.8 | 1521.4 | 1523.9 | 1525.2 |
| 170°   | 1535.6 | 1534.3 | 1531.8 | 1529.2 | 1526.7 | 1524.1 | 1526.7 | 1529.2 | 1531.8 | 1534.3 | 1535.6 |
| 172.5° | 1542.6 | 1541.2 | 1538.4 | 1535.5 | 1532.7 | 1529.9 | 1532.7 | 1535.5 | 1538.4 | 1541.2 | 1542.6 |
| 175°   | 1548.3 | 1546.8 | 1543.7 | 1540.6 | 1537.6 | 1534.5 | 1537.6 | 1540.6 | 1543.7 | 1546.8 | 1548.3 |
| 177.5° | 1550.6 | 1549.1 | 1546.0 | 1542.9 | 1539.9 | 1536.8 | 1539.9 | 1542.9 | 1546.0 | 1549.1 | 1550.6 |
| 180°   | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 |

TEST NUMBER: P1013265

CATALOG NUMBER: S124RDIP-B1195D1205UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 | 1974.8 |
| 2.5°   | 1869.8 | 1877.7 | 1874.5 | 1863.4 | 1868.2 | 1877.7 | 1887.3 | 1900.0 | 1907.9 | 1914.3 | 1917.5 |
| 5°     | 1760.0 | 1774.3 | 1771.1 | 1771.1 | 1777.5 | 1793.4 | 1809.3 | 1836.3 | 1845.9 | 1857.0 | 1872.9 |
| 7.5°   | 1662.9 | 1674.0 | 1683.6 | 1686.8 | 1696.3 | 1717.0 | 1737.7 | 1767.9 | 1791.8 | 1804.5 | 1814.1 |
| 10°    | 1577.0 | 1584.9 | 1599.2 | 1607.2 | 1616.7 | 1642.2 | 1672.4 | 1704.3 | 1728.1 | 1750.4 | 1763.1 |
| 12.5°  | 1467.2 | 1499.0 | 1518.1 | 1530.8 | 1543.5 | 1581.7 | 1605.6 | 1640.6 | 1669.2 | 1689.9 | 1709.0 |
| 15°    | 1344.6 | 1382.8 | 1394.0 | 1443.3 | 1475.1 | 1505.3 | 1541.9 | 1583.3 | 1610.4 | 1634.2 | 1659.7 |
| 17.5°  | 1241.2 | 1268.2 | 1281.0 | 1333.5 | 1360.5 | 1408.3 | 1460.8 | 1513.3 | 1554.7 | 1572.2 | 1597.6 |
| 20°    | 1176.0 | 1190.3 | 1215.7 | 1233.2 | 1261.9 | 1317.6 | 1374.9 | 1438.5 | 1500.6 | 1518.1 | 1543.5 |
| 22.5°  | 1109.1 | 1128.2 | 1145.7 | 1169.6 | 1191.9 | 1230.1 | 1287.3 | 1357.4 | 1424.2 | 1456.0 | 1486.3 |
| 25°    | 1048.7 | 1067.7 | 1078.9 | 1104.3 | 1125.0 | 1163.2 | 1203.0 | 1274.6 | 1354.2 | 1381.2 | 1429.0 |
| 27.5°  | 1000.9 | 1012.1 | 1031.1 | 1042.3 | 1066.2 | 1101.2 | 1137.8 | 1191.9 | 1269.8 | 1316.0 | 1362.1 |
| 30°    | 953.2  | 961.1  | 977.0  | 993.0  | 1010.5 | 1034.3 | 1075.7 | 1128.2 | 1199.8 | 1239.6 | 1285.8 |
| 32.5°  | 905.4  | 918.2  | 927.7  | 938.9  | 957.9  | 986.6  | 1015.2 | 1066.2 | 1123.4 | 1168.0 | 1214.1 |
| 35°    | 865.7  | 870.4  | 883.2  | 895.9  | 908.6  | 934.1  | 964.3  | 1013.6 | 1064.6 | 1099.6 | 1140.9 |
| 37.5°  | 822.7  | 830.6  | 840.2  | 845.0  | 865.7  | 881.6  | 913.4  | 951.6  | 1012.1 | 1034.3 | 1075.7 |
| 40°    | 789.3  | 787.7  | 797.2  | 805.2  | 814.7  | 840.2  | 859.3  | 900.7  | 948.4  | 983.4  | 1008.9 |
| 42.5°  | 747.9  | 747.9  | 751.1  | 760.6  | 773.4  | 789.3  | 811.6  | 846.6  | 895.9  | 921.3  | 951.6  |
| 45°    | 714.5  | 709.7  | 711.3  | 717.7  | 725.6  | 741.5  | 763.8  | 794.0  | 843.4  | 864.1  | 895.9  |
| 47.5°  | 674.7  | 669.9  | 669.9  | 676.3  | 682.7  | 693.8  | 711.3  | 746.3  | 786.1  | 813.1  | 837.0  |
| 50°    | 630.1  | 631.7  | 630.1  | 634.9  | 638.1  | 649.2  | 668.3  | 697.0  | 733.6  | 755.9  | 782.9  |
| 52.5°  | 588.8  | 585.6  | 584.0  | 587.2  | 593.5  | 601.5  | 622.2  | 647.6  | 682.7  | 704.9  | 728.8  |
| 55°    | 537.9  | 541.0  | 541.0  | 541.0  | 550.6  | 553.8  | 569.7  | 595.1  | 630.1  | 647.6  | 669.9  |
| 57.5°  | 491.7  | 490.1  | 493.3  | 491.7  | 499.7  | 510.8  | 523.5  | 542.6  | 577.6  | 595.1  | 615.8  |
| 60°    | 440.8  | 442.4  | 444.0  | 444.0  | 450.3  | 461.5  | 475.8  | 493.3  | 521.9  | 539.4  | 558.5  |
| 62.5°  | 378.7  | 386.7  | 394.6  | 397.8  | 407.4  | 415.3  | 424.9  | 444.0  | 469.4  | 482.2  | 499.7  |
| 65°    | 319.8  | 331.0  | 342.1  | 350.1  | 356.4  | 364.4  | 377.1  | 394.6  | 415.3  | 428.1  | 445.6  |
| 67.5°  | 268.9  | 276.9  | 291.2  | 299.2  | 311.9  | 321.4  | 329.4  | 343.7  | 369.2  | 374.0  | 388.3  |
| 70°    | 232.3  | 235.5  | 241.9  | 248.2  | 262.6  | 270.5  | 280.1  | 294.4  | 313.5  | 324.6  | 332.6  |
| 72.5°  | 195.7  | 197.3  | 200.5  | 206.9  | 213.2  | 222.8  | 233.9  | 246.6  | 264.2  | 268.9  | 280.1  |
| 75°    | 155.9  | 165.5  | 165.5  | 170.3  | 175.0  | 179.8  | 189.4  | 202.1  | 213.2  | 221.2  | 227.6  |
| 77.5°  | 116.2  | 120.9  | 124.1  | 132.1  | 138.4  | 143.2  | 149.6  | 159.1  | 165.5  | 171.9  | 176.6  |
| 80°    | 90.7   | 92.3   | 93.9   | 93.9   | 97.1   | 103.4  | 109.8  | 116.2  | 124.1  | 127.3  | 132.1  |
| 82.5°  | 66.8   | 66.8   | 66.8   | 70.0   | 71.6   | 73.2   | 73.2   | 76.4   | 84.3   | 87.5   | 92.3   |
| 85°    | 43.0   | 43.0   | 43.0   | 43.0   | 44.6   | 46.1   | 47.7   | 49.3   | 49.3   | 49.3   | 52.5   |
| 87.5°  | 17.5   | 20.7   | 19.1   | 20.7   | 20.7   | 20.7   | 20.7   | 22.3   | 22.3   | 23.9   | 23.9   |
| 90°    | 31.5   | 30.0   | 28.5   | 26.9   | 25.4   | 23.4   | 21.3   | 19.3   | 17.2   | 16.2   | 14.8   |
| 92.5°  | 30.4   | 28.9   | 27.3   | 25.8   | 24.2   | 22.2   | 20.1   | 18.1   | 16.0   | 15.0   | 15.3   |
| 95°    | 31.5   | 30.0   | 28.5   | 26.9   | 25.4   | 25.1   | 24.9   | 24.6   | 24.3   | 24.2   | 28.6   |
| 97.5°  | 30.6   | 29.3   | 28.0   | 26.7   | 25.4   | 52.3   | 79.3   | 106.2  | 133.1  | 146.6  | 143.8  |
| 100°   | 33.4   | 37.7   | 42.1   | 46.4   | 50.8   | 86.2   | 121.6  | 157.0  | 192.4  | 210.1  | 207.8  |
| 102.5° | 62.4   | 120.1  | 177.8  | 235.6  | 293.3  | 290.2  | 287.1  | 284.0  | 280.9  | 279.4  | 277.9  |
| 105°   | 369.4  | 367.1  | 364.8  | 362.5  | 360.2  | 358.9  | 357.7  | 356.4  | 355.1  | 354.5  | 353.7  |
| 107.5° | 439.3  | 438.0  | 436.7  | 435.4  | 434.1  | 432.3  | 430.5  | 428.8  | 427.0  | 426.1  | 425.7  |
| 110°   | 511.2  | 510.7  | 510.2  | 509.7  | 509.2  | 507.7  | 506.1  | 504.6  | 503.1  | 502.3  | 501.9  |

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**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 580.9  | 581.2  | 581.4  | 581.7  | 581.9  | 581.4  | 580.9  | 580.4  | 579.9  | 579.6  | 578.8  |
| 115°   | 653.2  | 652.7  | 652.2  | 651.7  | 651.2  | 651.5  | 651.7  | 652.0  | 652.3  | 652.4  | 652.0  |
| 117.5° | 724.0  | 724.3  | 724.6  | 724.8  | 725.1  | 724.3  | 723.5  | 722.8  | 722.0  | 721.6  | 721.1  |
| 120°   | 791.8  | 791.3  | 790.8  | 790.3  | 789.8  | 790.0  | 790.3  | 790.5  | 790.8  | 790.9  | 790.4  |
| 122.5° | 856.6  | 856.3  | 856.1  | 855.8  | 855.6  | 855.1  | 854.6  | 854.1  | 853.6  | 853.3  | 853.0  |
| 125°   | 917.5  | 916.8  | 916.0  | 915.3  | 914.5  | 915.0  | 915.5  | 916.0  | 916.5  | 916.8  | 916.3  |
| 127.5° | 976.9  | 977.2  | 977.5  | 977.7  | 978.0  | 976.7  | 975.4  | 974.1  | 972.8  | 972.2  | 972.1  |
| 130°   | 1033.3 | 1033.0 | 1032.7 | 1032.5 | 1032.2 | 1031.4 | 1030.7 | 1029.9 | 1029.2 | 1028.8 | 1028.7 |
| 132.5° | 1087.5 | 1087.2 | 1087.0 | 1086.7 | 1086.5 | 1085.5 | 1084.5 | 1083.4 | 1082.4 | 1081.9 | 1081.6 |
| 135°   | 1137.0 | 1136.5 | 1136.0 | 1135.5 | 1135.0 | 1134.0 | 1133.0 | 1131.9 | 1130.9 | 1130.4 | 1130.5 |
| 137.5° | 1185.5 | 1185.0 | 1184.5 | 1184.0 | 1183.5 | 1182.2 | 1180.9 | 1179.6 | 1178.3 | 1177.7 | 1177.7 |
| 140°   | 1230.4 | 1229.7 | 1228.9 | 1228.2 | 1227.4 | 1226.9 | 1226.3 | 1225.8 | 1225.3 | 1225.0 | 1224.7 |
| 142.5° | 1270.9 | 1270.4 | 1269.9 | 1269.4 | 1268.9 | 1268.7 | 1268.4 | 1268.2 | 1267.9 | 1267.8 | 1267.3 |
| 145°   | 1309.2 | 1308.9 | 1308.7 | 1308.4 | 1308.2 | 1308.2 | 1308.2 | 1308.2 | 1308.2 | 1308.2 | 1307.8 |
| 147.5° | 1343.9 | 1343.6 | 1343.3 | 1343.1 | 1342.8 | 1343.1 | 1343.3 | 1343.6 | 1343.9 | 1344.0 | 1343.2 |
| 150°   | 1376.3 | 1376.3 | 1376.3 | 1376.3 | 1376.3 | 1376.6 | 1376.8 | 1377.1 | 1377.4 | 1377.5 | 1377.0 |
| 152.5° | 1406.0 | 1405.5 | 1405.0 | 1404.5 | 1404.0 | 1404.5 | 1405.0 | 1405.5 | 1406.0 | 1406.3 | 1405.9 |
| 155°   | 1432.4 | 1431.4 | 1430.3 | 1429.3 | 1428.3 | 1429.1 | 1429.8 | 1430.6 | 1431.3 | 1431.7 | 1431.6 |
| 157.5° | 1455.4 | 1454.1 | 1452.8 | 1451.5 | 1450.2 | 1451.2 | 1452.2 | 1453.3 | 1454.3 | 1454.8 | 1454.8 |
| 160°   | 1477.1 | 1475.6 | 1474.1 | 1472.5 | 1471.0 | 1471.2 | 1471.5 | 1471.7 | 1472.0 | 1472.1 | 1472.5 |
| 162.5° | 1494.4 | 1492.9 | 1491.4 | 1489.8 | 1488.3 | 1488.6 | 1488.8 | 1489.1 | 1489.4 | 1489.5 | 1490.0 |
| 165°   | 1511.5 | 1509.4 | 1507.4 | 1505.3 | 1503.3 | 1503.3 | 1503.3 | 1503.3 | 1503.3 | 1503.3 | 1503.9 |
| 167.5° | 1524.1 | 1521.8 | 1519.5 | 1517.2 | 1514.9 | 1515.1 | 1515.4 | 1515.6 | 1515.9 | 1516.0 | 1516.6 |
| 170°   | 1534.6 | 1532.5 | 1530.5 | 1528.4 | 1526.4 | 1526.1 | 1525.9 | 1525.6 | 1525.3 | 1525.2 | 1526.0 |
| 172.5° | 1541.6 | 1539.5 | 1537.4 | 1535.4 | 1533.3 | 1533.1 | 1532.8 | 1532.6 | 1532.3 | 1532.2 | 1533.0 |
| 175°   | 1547.1 | 1544.8 | 1542.5 | 1540.2 | 1537.9 | 1537.7 | 1537.4 | 1537.2 | 1536.9 | 1536.8 | 1537.6 |
| 177.5° | 1549.6 | 1547.5 | 1545.5 | 1543.4 | 1541.4 | 1540.9 | 1540.4 | 1539.9 | 1539.4 | 1539.1 | 1540.0 |
| 180°   | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 | 1543.7 |

TEST NUMBER: P1013265

CATALOG NUMBER: S124RDIP-B1195D1205UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1974.8 | 1974.8 | 1974.8 | 1974.8 |
| 2.5°   | 1930.2 | 1939.8 | 1955.7 | 1978.0 |
| 5°     | 1885.7 | 1912.7 | 1938.2 | 1971.6 |
| 7.5°   | 1845.9 | 1877.7 | 1912.7 | 1960.5 |
| 10°    | 1799.7 | 1839.5 | 1884.1 | 1942.9 |
| 12.5°  | 1745.6 | 1801.3 | 1852.2 | 1915.9 |
| 15°    | 1705.8 | 1747.2 | 1812.5 | 1887.3 |
| 17.5°  | 1650.2 | 1705.8 | 1771.1 | 1855.4 |
| 20°    | 1597.6 | 1656.5 | 1729.7 | 1817.2 |
| 22.5°  | 1541.9 | 1608.8 | 1682.0 | 1775.9 |
| 25°    | 1484.7 | 1556.3 | 1629.5 | 1729.7 |
| 27.5°  | 1432.1 | 1497.4 | 1580.1 | 1682.0 |
| 30°    | 1368.5 | 1443.3 | 1522.9 | 1629.5 |
| 32.5°  | 1306.4 | 1384.4 | 1465.6 | 1572.2 |
| 35°    | 1239.6 | 1317.6 | 1406.7 | 1508.5 |
| 37.5°  | 1174.4 | 1260.3 | 1341.4 | 1440.1 |
| 40°    | 1102.8 | 1191.9 | 1276.2 | 1376.5 |
| 42.5°  | 1032.7 | 1125.0 | 1209.4 | 1295.3 |
| 45°    | 967.5  | 1058.2 | 1134.6 | 1215.7 |
| 47.5°  | 905.4  | 986.6  | 1064.6 | 1137.8 |
| 50°    | 845.0  | 913.4  | 985.0  | 1045.5 |
| 52.5°  | 781.3  | 846.6  | 903.8  | 957.9  |
| 55°    | 724.0  | 775.0  | 825.9  | 875.2  |
| 57.5°  | 655.6  | 706.5  | 751.1  | 789.3  |
| 60°    | 598.3  | 630.1  | 673.1  | 712.9  |
| 62.5°  | 533.1  | 569.7  | 603.1  | 628.6  |
| 65°    | 469.4  | 501.3  | 526.7  | 549.0  |
| 67.5°  | 415.3  | 434.4  | 453.5  | 477.4  |
| 70°    | 350.1  | 366.0  | 388.3  | 405.8  |
| 72.5°  | 294.4  | 307.1  | 318.3  | 338.9  |
| 75°    | 238.7  | 249.8  | 256.2  | 275.3  |
| 77.5°  | 184.6  | 195.7  | 200.5  | 211.6  |
| 80°    | 141.6  | 143.2  | 149.6  | 159.1  |
| 82.5°  | 97.1   | 100.3  | 101.8  | 109.8  |
| 85°    | 55.7   | 63.7   | 62.1   | 65.2   |
| 87.5°  | 23.9   | 25.5   | 28.6   | 31.8   |
| 90°    | 12.0   | 9.1    | 6.3    | 3.5    |
| 92.5°  | 15.8   | 16.3   | 16.8   | 17.3   |
| 95°    | 37.3   | 46.0   | 54.8   | 63.5   |
| 97.5°  | 138.1  | 132.5  | 126.8  | 121.2  |
| 100°   | 203.2  | 198.6  | 194.0  | 189.4  |
| 102.5° | 274.8  | 271.7  | 268.7  | 265.6  |
| 105°   | 352.2  | 350.6  | 349.1  | 347.5  |
| 107.5° | 424.9  | 424.2  | 423.4  | 422.6  |
| 110°   | 501.1  | 500.4  | 499.6  | 498.8  |

TEST NUMBER: P1013265

CATALOG NUMBER: S124RDIP-B1195D1205UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 112.5° | 577.3  | 575.8  | 574.2  | 572.7  |
| 115°   | 651.2  | 650.5  | 649.7  | 648.9  |
| 117.5° | 720.1  | 719.0  | 718.0  | 717.0  |
| 120°   | 789.4  | 788.3  | 787.3  | 786.3  |
| 122.5° | 852.5  | 852.0  | 851.5  | 851.0  |
| 125°   | 915.2  | 914.2  | 913.1  | 912.1  |
| 127.5° | 971.8  | 971.5  | 971.3  | 971.0  |
| 130°   | 1028.4 | 1028.1 | 1027.9 | 1027.6 |
| 132.5° | 1081.1 | 1080.6 | 1080.1 | 1079.6 |
| 135°   | 1130.8 | 1131.0 | 1131.3 | 1131.5 |
| 137.5° | 1177.7 | 1177.7 | 1177.7 | 1177.7 |
| 140°   | 1224.2 | 1223.7 | 1223.2 | 1222.7 |
| 142.5° | 1266.2 | 1265.2 | 1264.1 | 1263.1 |
| 145°   | 1307.0 | 1306.3 | 1305.5 | 1304.7 |
| 147.5° | 1341.7 | 1340.1 | 1338.6 | 1337.0 |
| 150°   | 1375.9 | 1374.9 | 1373.8 | 1372.8 |
| 152.5° | 1405.2 | 1404.4 | 1403.7 | 1402.9 |
| 155°   | 1431.3 | 1431.1 | 1430.8 | 1430.6 |
| 157.5° | 1454.8 | 1454.8 | 1454.8 | 1454.8 |
| 160°   | 1473.3 | 1474.0 | 1474.8 | 1475.6 |
| 162.5° | 1491.0 | 1492.1 | 1493.1 | 1494.1 |
| 165°   | 1505.2 | 1506.5 | 1507.8 | 1509.1 |
| 167.5° | 1517.9 | 1519.2 | 1520.5 | 1521.8 |
| 170°   | 1527.5 | 1529.1 | 1530.6 | 1532.2 |
| 172.5° | 1534.5 | 1536.0 | 1537.6 | 1539.1 |
| 175°   | 1539.1 | 1540.6 | 1542.2 | 1543.7 |
| 177.5° | 1541.8 | 1543.6 | 1545.4 | 1547.2 |
| 180°   | 1543.7 | 1543.7 | 1543.7 | 1543.7 |

(END OF REPORT)