

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: P1008454

Luminaire Tested: S122RDIP-B675D330UB2750-4F0-XX-W2A-A\_2700K

Issue Date: 5/6/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1008454  
REPORT IS A COMBINATION OF REPORTS P988464 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/6/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S122RDIP-B675D330UB2750-4F0-XX-W2A-A\_2700K  
Description: Define 2 Regressed Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473}  
{m-EER=0.52}  
Light Source: -  
Ballast/Driver: -

**Summary**

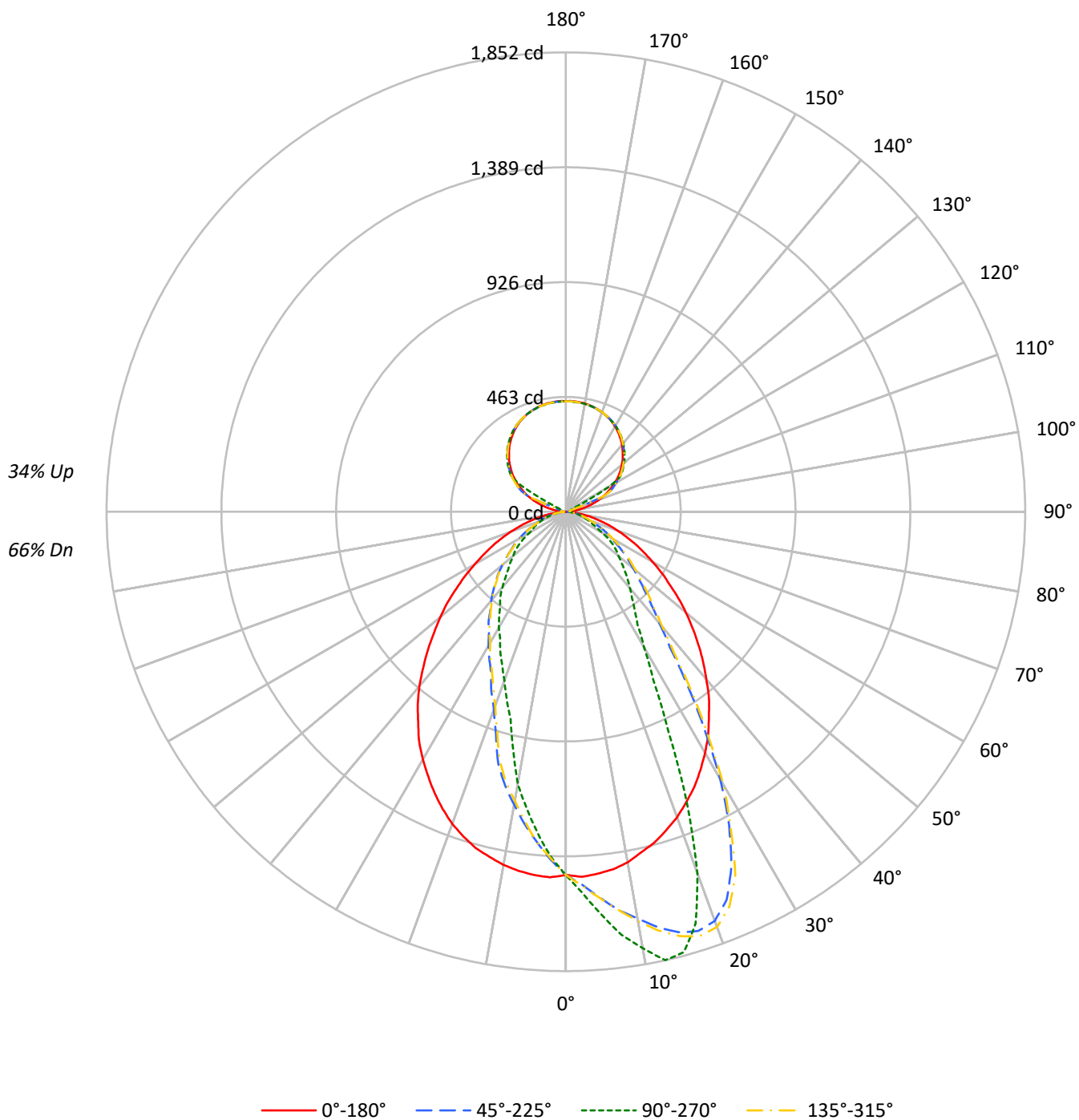
Lumens per Lamp: N/A  
Luminaire Lumens: 3837.0 lumens  
Efficiency: N/A  
Efficacy: 84.9 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 45.2  
Input Voltage (V): 120  
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

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CATALOG NUMBER: S122RDIP-B675D330UB2750-4F0-XX-W2A-A\_2700K

### Luminous Intensity Polar Plot



TEST NUMBER: P1008454

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

|     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    |
| RC  | 80  |     |     |     | 70  |     |     |     | 50 |    |    |    | 30 |    |    |    | 10 |    |    | 0  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 111 | 111 | 111 | 111 | 104 | 104 | 104 | 104 | 92 | 92 | 92 | 81 | 81 | 81 | 71 | 71 | 71 | 66 |    |    |
| 1   | 102 | 98  | 95  | 91  | 96  | 93  | 90  | 87  | 82 | 80 | 78 | 73 | 71 | 70 | 64 | 63 | 62 | 58 |    |    |
| 2   | 94  | 87  | 81  | 77  | 89  | 82  | 77  | 73  | 74 | 70 | 66 | 65 | 62 | 60 | 58 | 56 | 54 | 50 |    |    |
| 3   | 87  | 78  | 71  | 65  | 81  | 74  | 67  | 62  | 66 | 61 | 57 | 59 | 55 | 52 | 52 | 49 | 47 | 44 |    |    |
| 4   | 80  | 70  | 62  | 56  | 75  | 66  | 59  | 54  | 59 | 54 | 50 | 53 | 49 | 46 | 48 | 44 | 42 | 39 |    |    |
| 5   | 74  | 63  | 55  | 49  | 70  | 60  | 53  | 47  | 54 | 48 | 44 | 49 | 44 | 40 | 43 | 40 | 37 | 34 |    |    |
| 6   | 69  | 57  | 49  | 44  | 65  | 54  | 47  | 42  | 49 | 43 | 39 | 44 | 40 | 36 | 40 | 36 | 33 | 31 |    |    |
| 7   | 64  | 52  | 44  | 39  | 60  | 50  | 43  | 38  | 45 | 39 | 35 | 41 | 36 | 33 | 37 | 33 | 30 | 28 |    |    |
| 8   | 60  | 48  | 40  | 35  | 56  | 46  | 39  | 34  | 42 | 36 | 32 | 38 | 33 | 30 | 34 | 30 | 28 | 25 |    |    |
| 9   | 56  | 44  | 37  | 32  | 53  | 42  | 35  | 31  | 38 | 33 | 29 | 35 | 30 | 27 | 32 | 28 | 25 | 23 |    |    |
| 10  | 52  | 41  | 34  | 29  | 50  | 39  | 32  | 28  | 36 | 30 | 26 | 33 | 28 | 25 | 30 | 26 | 23 | 21 |    |    |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 23174 | 23174 | 23174 | 23174 |
| 5°  | 23228 | 24614 | 23309 | 19664 |
| 10° | 22972 | 26017 | 23135 | 16239 |
| 15° | 22474 | 26025 | 22855 | 12199 |
| 20° | 21875 | 21513 | 22351 | 10065 |
| 25° | 21147 | 13443 | 21605 | 8562  |
| 30° | 20220 | 8607  | 20769 | 7371  |
| 35° | 19090 | 6615  | 19708 | 6308  |
| 40° | 17833 | 5560  | 18594 | 5517  |
| 45° | 16487 | 4732  | 17175 | 4632  |
| 50° | 15109 | 4020  | 15814 | 4006  |
| 55° | 13582 | 3495  | 14314 | 3448  |
| 60° | 12226 | 2664  | 12872 | 2633  |
| 65° | 10960 | 2006  | 11610 | 2274  |
| 70° | 9562  | 1601  | 10311 | 1854  |
| 75° | 8083  | 1227  | 8822  | 1403  |
| 80° | 6419  | 835   | 6906  | 919   |
| 85° | 4450  | 430   | 4887  | 454   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 21199 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 138.9  | 3.6       |
| 10°-20°   | 387.6  | 10.1      |
| 20°-30°   | 498.8  | 13.0      |
| 30°-40°   | 473.3  | 12.3      |
| 40°-50°   | 405.6  | 10.6      |
| 50°-60°   | 308.9  | 8.0       |
| 60°-70°   | 194.8  | 5.1       |
| 70°-80°   | 97.2   | 2.5       |
| 80°-90°   | 25.8   | 0.7       |
| 90°-100°  | 14.7   | 0.4       |
| 100°-110° | 54.8   | 1.4       |
| 110°-120° | 145.3  | 3.8       |
| 120°-130° | 240.9  | 6.3       |
| 130°-140° | 255.9  | 6.7       |
| 140°-150° | 237.8  | 6.2       |
| 150°-160° | 191.2  | 5.0       |
| 160°-170° | 123.2  | 3.2       |
| 170°-180° | 42.4   | 1.1       |
| 0°-30°    | 1025.3 | 26.7      |
| 0°-40°    | 1498.6 | 39.1      |
| 0°-60°    | 2213.0 | 57.7      |
| 0°-90°    | 2530.8 | 66.0      |
| 90°-120°  | 214.7  | 5.6       |
| 90°-150°  | 949.4  | 24.7      |
| 90°-180°  | 1306.0 | 34.0      |
| 0°-180°   | 3837.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1464 | 1464 | 1464 | 1464 | 1464 |      |
| 5°   | 1465 | 1629 | 1470 | 1301 | 1465 | 139  |
| 15°  | 1381 | 1838 | 1404 | 862  | 1381 | 388  |
| 25°  | 1225 | 981  | 1251 | 625  | 1225 | 562  |
| 35°  | 1005 | 483  | 1038 | 461  | 1005 | 629  |
| 45°  | 755  | 336  | 786  | 329  | 755  | 583  |
| 55°  | 510  | 233  | 537  | 230  | 510  | 459  |
| 65°  | 308  | 121  | 327  | 137  | 308  | 306  |
| 75°  | 144  | 64   | 158  | 73   | 144  | 156  |
| 85°  | 32   | 18   | 35   | 19   | 32   | 36   |
| 90°  | 0    | 9    | 0    | 9    | 0    | 3    |
| 95°  | 21   | 14   | 21   | 14   | 21   | 25   |
| 105° | 98   | 24   | 98   | 24   | 98   | 105  |
| 115° | 185  | 26   | 185  | 26   | 185  | 183  |
| 125° | 262  | 276  | 262  | 276  | 262  | 234  |
| 135° | 324  | 335  | 324  | 335  | 324  | 251  |
| 145° | 376  | 382  | 376  | 382  | 376  | 235  |
| 155° | 414  | 415  | 414  | 415  | 414  | 191  |
| 165° | 436  | 436  | 436  | 436  | 436  | 123  |
| 175° | 446  | 444  | 446  | 444  | 446  | 42   |
| 180° | 446  | 446  | 446  | 446  | 446  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 |
| 2.5°   | 1473.2 | 1479.3 | 1482.3 | 1486.4 | 1495.6 | 1501.7 | 1510.8 | 1512.8 | 1511.8 | 1515.9 | 1504.7 |
| 5°     | 1465.0 | 1478.3 | 1490.5 | 1500.6 | 1516.9 | 1527.1 | 1538.3 | 1551.5 | 1554.6 | 1569.8 | 1560.7 |
| 7.5°   | 1453.8 | 1473.2 | 1490.5 | 1510.8 | 1535.2 | 1548.5 | 1565.8 | 1586.1 | 1595.3 | 1613.6 | 1618.7 |
| 10°    | 1435.5 | 1463.0 | 1492.5 | 1513.9 | 1547.4 | 1570.8 | 1587.1 | 1619.7 | 1641.0 | 1668.5 | 1664.4 |
| 12.5°  | 1406.0 | 1441.6 | 1481.3 | 1516.9 | 1560.7 | 1575.9 | 1606.4 | 1640.0 | 1667.5 | 1692.9 | 1715.3 |
| 15°    | 1380.6 | 1421.3 | 1465.0 | 1508.8 | 1558.6 | 1587.1 | 1617.6 | 1661.4 | 1690.9 | 1735.7 | 1755.0 |
| 17.5°  | 1346.0 | 1397.9 | 1449.8 | 1498.6 | 1557.6 | 1590.2 | 1627.8 | 1670.5 | 1714.3 | 1757.0 | 1772.3 |
| 20°    | 1310.4 | 1366.3 | 1422.3 | 1488.4 | 1555.6 | 1587.1 | 1625.8 | 1678.7 | 1721.4 | 1755.0 | 1755.0 |
| 22.5°  | 1267.7 | 1335.8 | 1399.9 | 1463.0 | 1536.2 | 1582.0 | 1621.7 | 1683.8 | 1714.3 | 1721.4 | 1693.9 |
| 25°    | 1224.9 | 1293.1 | 1363.3 | 1441.6 | 1525.1 | 1565.8 | 1610.5 | 1668.5 | 1678.7 | 1650.2 | 1579.0 |
| 27.5°  | 1174.1 | 1250.4 | 1329.7 | 1414.2 | 1501.7 | 1552.5 | 1593.2 | 1631.9 | 1612.6 | 1536.2 | 1425.4 |
| 30°    | 1122.2 | 1204.6 | 1294.1 | 1374.5 | 1480.3 | 1527.1 | 1561.7 | 1572.9 | 1511.8 | 1387.7 | 1244.3 |
| 32.5°  | 1068.3 | 1148.6 | 1243.2 | 1339.9 | 1446.7 | 1491.5 | 1513.9 | 1484.4 | 1372.5 | 1215.8 | 1040.8 |
| 35°    | 1005.2 | 1095.7 | 1194.4 | 1295.1 | 1400.9 | 1434.5 | 1447.7 | 1375.5 | 1232.1 | 1029.6 | 855.6  |
| 37.5°  | 948.2  | 1038.7 | 1144.6 | 1247.3 | 1350.1 | 1368.4 | 1355.2 | 1242.2 | 1060.1 | 859.7  | 689.8  |
| 40°    | 881.1  | 977.7  | 1081.5 | 1196.4 | 1280.9 | 1286.0 | 1253.4 | 1106.9 | 881.1  | 692.8  | 588.0  |
| 42.5°  | 819.0  | 916.7  | 1020.4 | 1137.4 | 1201.5 | 1184.2 | 1140.5 | 948.2  | 735.6  | 597.2  | 512.8  |
| 45°    | 754.9  | 847.5  | 959.4  | 1063.2 | 1108.9 | 1068.3 | 1002.1 | 797.6  | 617.6  | 513.8  | 448.7  |
| 47.5°  | 692.8  | 779.3  | 890.2  | 989.9  | 998.1  | 952.3  | 873.9  | 668.4  | 535.1  | 451.7  | 398.8  |
| 50°    | 631.8  | 718.3  | 822.0  | 904.5  | 896.3  | 833.2  | 744.7  | 580.9  | 464.9  | 398.8  | 355.1  |
| 52.5°  | 570.8  | 649.1  | 749.8  | 814.9  | 780.3  | 719.3  | 631.8  | 492.4  | 405.9  | 347.9  | 314.4  |
| 55°    | 509.7  | 583.0  | 669.4  | 723.4  | 668.4  | 598.2  | 536.2  | 422.2  | 352.0  | 305.2  | 279.8  |
| 57.5°  | 458.8  | 516.8  | 596.2  | 628.7  | 562.6  | 507.7  | 453.8  | 363.2  | 305.2  | 271.6  | 242.1  |
| 60°    | 402.9  | 455.8  | 520.9  | 540.2  | 472.1  | 427.3  | 381.5  | 307.2  | 261.5  | 232.0  | 212.6  |
| 62.5°  | 355.1  | 398.8  | 448.7  | 448.7  | 388.6  | 355.1  | 320.5  | 257.4  | 219.8  | 196.4  | 187.2  |
| 65°    | 308.3  | 339.8  | 375.4  | 371.3  | 320.5  | 291.0  | 263.5  | 212.6  | 184.1  | 167.9  | 158.7  |
| 67.5°  | 262.5  | 286.9  | 310.3  | 296.1  | 259.4  | 234.0  | 208.6  | 171.9  | 152.6  | 141.4  | 129.2  |
| 70°    | 220.8  | 240.1  | 252.3  | 239.1  | 202.5  | 181.1  | 162.8  | 138.4  | 123.1  | 108.9  | 101.7  |
| 72.5°  | 185.2  | 193.3  | 197.4  | 181.1  | 150.6  | 138.4  | 125.1  | 107.8  | 94.6   | 87.5   | 85.5   |
| 75°    | 144.5  | 151.6  | 148.5  | 136.3  | 110.9  | 101.7  | 91.6   | 79.4   | 76.3   | 72.2   | 70.2   |
| 77.5°  | 112.9  | 112.9  | 107.8  | 96.7   | 79.4   | 72.2   | 68.2   | 62.1   | 59.0   | 58.0   | 56.0   |
| 80°    | 80.4   | 79.4   | 76.3   | 64.1   | 53.9   | 49.9   | 49.9   | 45.8   | 44.8   | 42.7   | 42.7   |
| 82.5°  | 52.9   | 52.9   | 48.8   | 38.7   | 35.6   | 34.6   | 33.6   | 31.5   | 31.5   | 30.5   | 30.5   |
| 85°    | 31.5   | 29.5   | 24.4   | 21.4   | 20.3   | 20.3   | 19.3   | 18.3   | 19.3   | 18.3   | 18.3   |
| 87.5°  | 14.2   | 11.2   | 8.1    | 8.1    | 8.1    | 8.1    | 8.1    | 8.1    | 8.1    | 8.1    | 8.1    |
| 90°    | 0.3    | 1.1    | 1.9    | 2.7    | 3.5    | 3.9    | 4.2    | 4.7    | 5.3    | 5.8    | 6.4    |
| 92.5°  | 8.1    | 7.8    | 7.5    | 7.2    | 6.9    | 6.8    | 6.9    | 7.1    | 7.3    | 7.5    | 7.7    |
| 95°    | 21.0   | 18.6   | 16.2   | 13.9   | 11.5   | 10.3   | 10.6   | 11.1   | 11.6   | 12.1   | 12.6   |
| 97.5°  | 37.7   | 31.8   | 26.0   | 20.1   | 14.2   | 11.3   | 11.9   | 13.0   | 14.1   | 15.3   | 16.4   |
| 100°   | 57.1   | 47.3   | 37.5   | 27.6   | 17.8   | 12.9   | 13.5   | 14.7   | 16.0   | 17.2   | 18.4   |
| 102.5° | 78.3   | 78.2   | 78.0   | 77.9   | 77.8   | 77.7   | 71.2   | 58.1   | 45.1   | 32.0   | 19.0   |
| 105°   | 98.0   | 100.2  | 102.3  | 104.5  | 106.6  | 107.7  | 97.9   | 78.4   | 58.8   | 39.3   | 19.7   |
| 107.5° | 120.9  | 122.7  | 124.5  | 126.3  | 128.1  | 129.0  | 116.9  | 92.8   | 68.6   | 44.5   | 20.3   |
| 110°   | 142.8  | 144.3  | 145.8  | 147.3  | 148.8  | 149.6  | 139.2  | 118.5  | 97.8   | 77.1   | 56.4   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 163.5 | 164.8 | 166.1 | 167.4 | 168.7 | 169.3 | 168.7 | 167.5 | 166.2 | 165.0 | 163.8 |
| 115°   | 185.4 | 186.6 | 187.8 | 189.1 | 190.3 | 190.9 | 191.8 | 193.6 | 195.3 | 197.1 | 198.9 |
| 117.5° | 204.4 | 205.8 | 207.2 | 208.7 | 210.1 | 210.8 | 211.4 | 212.6 | 213.9 | 215.1 | 216.3 |
| 120°   | 225.7 | 226.8 | 227.8 | 228.9 | 230.0 | 230.5 | 231.1 | 232.4 | 233.7 | 235.0 | 236.3 |
| 122.5° | 243.7 | 244.9 | 246.0 | 247.2 | 248.3 | 248.9 | 249.6 | 251.0 | 252.5 | 253.9 | 255.3 |
| 125°   | 262.1 | 263.0 | 264.0 | 264.9 | 265.8 | 266.3 | 267.0 | 268.3 | 269.7 | 271.0 | 272.4 |
| 127.5° | 278.9 | 279.9 | 280.9 | 281.9 | 282.9 | 283.4 | 283.9 | 285.0 | 286.1 | 287.1 | 288.2 |
| 130°   | 294.7 | 295.8 | 297.0 | 298.1 | 299.2 | 299.8 | 300.2 | 301.0 | 301.8 | 302.6 | 303.4 |
| 132.5° | 310.8 | 311.7 | 312.7 | 313.6 | 314.5 | 315.0 | 315.4 | 316.2 | 316.9 | 317.7 | 318.5 |
| 135°   | 324.3 | 325.5 | 326.6 | 327.8 | 328.9 | 329.5 | 329.8 | 330.5 | 331.1 | 331.8 | 332.4 |
| 137.5° | 338.5 | 339.4 | 340.2 | 341.1 | 342.0 | 342.4 | 342.8 | 343.5 | 344.2 | 344.9 | 345.6 |
| 140°   | 352.4 | 353.0 | 353.6 | 354.1 | 354.7 | 355.0 | 355.4 | 356.2 | 356.9 | 357.7 | 358.5 |
| 142.5° | 364.0 | 364.5 | 365.0 | 365.5 | 366.0 | 366.2 | 366.7 | 367.6 | 368.5 | 369.5 | 370.4 |
| 145°   | 376.2 | 376.1 | 376.1 | 376.0 | 375.9 | 375.9 | 376.5 | 377.7 | 379.0 | 380.2 | 381.4 |
| 147.5° | 386.9 | 386.7 | 386.5 | 386.2 | 386.0 | 385.9 | 386.5 | 387.7 | 389.0 | 390.2 | 391.4 |
| 150°   | 397.2 | 396.7 | 396.2 | 395.7 | 395.2 | 394.9 | 395.5 | 396.6 | 397.8 | 398.9 | 400.1 |
| 152.5° | 405.9 | 405.3 | 404.7 | 404.2 | 403.6 | 403.3 | 403.8 | 404.9 | 406.0 | 407.1 | 408.2 |
| 155°   | 414.3 | 413.7 | 413.0 | 412.4 | 411.7 | 411.4 | 411.8 | 412.7 | 413.6 | 414.4 | 415.3 |
| 157.5° | 421.1 | 420.5 | 419.9 | 419.4 | 418.8 | 418.5 | 418.8 | 419.5 | 420.1 | 420.8 | 421.4 |
| 160°   | 426.9 | 426.5 | 426.0 | 425.6 | 425.1 | 424.9 | 425.1 | 425.6 | 426.0 | 426.5 | 426.9 |
| 162.5° | 432.0 | 431.6 | 431.2 | 430.7 | 430.3 | 430.1 | 430.3 | 430.6 | 431.0 | 431.3 | 431.7 |
| 165°   | 436.5 | 436.1 | 435.7 | 435.2 | 434.8 | 434.6 | 434.7 | 434.9 | 435.2 | 435.4 | 435.6 |
| 167.5° | 440.1 | 439.7 | 439.2 | 438.8 | 438.3 | 438.1 | 438.2 | 438.4 | 438.7 | 438.9 | 439.1 |
| 170°   | 443.0 | 442.6 | 442.1 | 441.7 | 441.2 | 441.0 | 441.1 | 441.2 | 441.4 | 441.5 | 441.7 |
| 172.5° | 444.9 | 444.5 | 444.1 | 443.6 | 443.2 | 443.0 | 443.1 | 443.2 | 443.3 | 443.5 | 443.6 |
| 175°   | 446.5 | 446.0 | 445.5 | 445.0 | 444.5 | 444.3 | 444.4 | 444.5 | 444.6 | 444.8 | 444.9 |
| 177.5° | 447.2 | 446.7 | 446.2 | 445.7 | 445.2 | 444.9 | 444.9 | 445.0 | 445.1 | 445.1 | 445.2 |
| 180°   | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 |
| 2.5°   | 1515.9 | 1517.9 | 1521.0 | 1535.2 | 1537.3 | 1541.3 | 1539.3 | 1539.3 | 1540.3 | 1538.3 | 1539.3 |
| 5°     | 1581.0 | 1584.1 | 1599.3 | 1616.6 | 1620.7 | 1616.6 | 1621.7 | 1628.8 | 1628.8 | 1628.8 | 1626.8 |
| 7.5°   | 1642.1 | 1653.2 | 1670.5 | 1696.0 | 1701.1 | 1706.2 | 1715.3 | 1709.2 | 1711.2 | 1720.4 | 1717.3 |
| 10°    | 1701.1 | 1717.3 | 1736.7 | 1758.0 | 1769.2 | 1776.4 | 1780.4 | 1789.6 | 1810.9 | 1786.5 | 1795.7 |
| 12.5°  | 1757.0 | 1780.4 | 1800.8 | 1824.2 | 1832.3 | 1841.5 | 1844.5 | 1852.7 | 1852.7 | 1851.6 | 1858.8 |
| 15°    | 1793.6 | 1815.0 | 1833.3 | 1848.6 | 1850.6 | 1848.6 | 1846.6 | 1847.6 | 1850.6 | 1838.4 | 1845.5 |
| 17.5°  | 1801.8 | 1803.8 | 1809.9 | 1803.8 | 1804.8 | 1783.5 | 1771.3 | 1768.2 | 1739.7 | 1740.7 | 1764.1 |
| 20°    | 1762.1 | 1727.5 | 1718.4 | 1684.8 | 1664.4 | 1609.5 | 1607.5 | 1592.2 | 1532.2 | 1550.5 | 1546.4 |
| 22.5°  | 1653.2 | 1594.2 | 1515.9 | 1477.2 | 1457.9 | 1399.9 | 1355.2 | 1323.6 | 1302.3 | 1280.9 | 1271.7 |
| 25°    | 1509.8 | 1414.2 | 1303.3 | 1227.0 | 1215.8 | 1161.9 | 1079.4 | 1040.8 | 995.0  | 980.8  | 1005.2 |
| 27.5°  | 1324.6 | 1200.5 | 1075.4 | 958.4  | 937.0  | 888.2  | 846.5  | 819.0  | 766.1  | 763.0  | 765.1  |
| 30°    | 1073.3 | 948.2  | 843.4  | 767.1  | 714.2  | 691.8  | 664.4  | 644.0  | 622.6  | 630.8  | 632.8  |
| 32.5°  | 882.1  | 763.0  | 665.4  | 624.7  | 600.3  | 586.0  | 562.6  | 549.4  | 540.2  | 537.2  | 536.2  |
| 35°    | 701.0  | 621.6  | 577.9  | 538.2  | 524.0  | 513.8  | 496.5  | 490.4  | 482.2  | 483.3  | 483.3  |
| 37.5°  | 600.3  | 534.1  | 501.6  | 481.2  | 468.0  | 462.9  | 451.7  | 445.6  | 440.5  | 438.5  | 441.5  |
| 40°    | 517.8  | 472.1  | 451.7  | 433.4  | 422.2  | 420.2  | 414.1  | 407.0  | 400.8  | 401.9  | 404.9  |
| 42.5°  | 457.8  | 431.4  | 407.0  | 392.7  | 384.6  | 381.5  | 376.4  | 371.3  | 371.3  | 368.3  | 367.3  |
| 45°    | 410.0  | 388.6  | 368.3  | 355.1  | 350.0  | 345.9  | 339.8  | 338.8  | 334.7  | 335.7  | 336.8  |
| 47.5°  | 367.3  | 350.0  | 334.7  | 321.5  | 316.4  | 315.4  | 309.3  | 305.2  | 305.2  | 304.2  | 303.2  |
| 50°    | 328.6  | 311.3  | 298.1  | 291.0  | 283.9  | 281.8  | 280.8  | 279.8  | 277.7  | 277.7  | 278.8  |
| 52.5°  | 297.1  | 279.8  | 269.6  | 263.5  | 259.4  | 257.4  | 257.4  | 256.4  | 256.4  | 256.4  | 255.4  |
| 55°    | 262.5  | 248.2  | 240.1  | 238.1  | 236.0  | 235.0  | 234.0  | 232.0  | 230.9  | 233.0  | 230.9  |
| 57.5°  | 229.9  | 224.8  | 217.7  | 215.7  | 210.6  | 210.6  | 207.5  | 205.5  | 203.5  | 205.5  | 205.5  |
| 60°    | 204.5  | 197.4  | 193.3  | 187.2  | 183.1  | 179.1  | 174.0  | 173.0  | 170.9  | 169.9  | 168.9  |
| 62.5°  | 178.0  | 171.9  | 161.8  | 152.6  | 146.5  | 142.4  | 140.4  | 139.4  | 139.4  | 138.4  | 138.4  |
| 65°    | 148.5  | 134.3  | 129.2  | 126.2  | 125.1  | 124.1  | 122.1  | 121.1  | 122.1  | 121.1  | 122.1  |
| 67.5°  | 116.0  | 113.9  | 110.9  | 108.9  | 107.8  | 106.8  | 106.8  | 105.8  | 105.8  | 105.8  | 105.8  |
| 70°    | 100.7  | 95.6   | 94.6   | 92.6   | 92.6   | 91.6   | 91.6   | 91.6   | 91.6   | 90.5   | 92.6   |
| 72.5°  | 83.4   | 80.4   | 79.4   | 78.3   | 78.3   | 78.3   | 77.3   | 77.3   | 77.3   | 76.3   | 77.3   |
| 75°    | 68.2   | 67.1   | 65.1   | 65.1   | 64.1   | 65.1   | 64.1   | 64.1   | 63.1   | 64.1   | 64.1   |
| 77.5°  | 54.9   | 53.9   | 52.9   | 52.9   | 51.9   | 51.9   | 51.9   | 51.9   | 51.9   | 51.9   | 52.9   |
| 80°    | 41.7   | 40.7   | 39.7   | 40.7   | 39.7   | 40.7   | 39.7   | 39.7   | 40.7   | 39.7   | 39.7   |
| 82.5°  | 30.5   | 29.5   | 29.5   | 28.5   | 28.5   | 28.5   | 28.5   | 28.5   | 28.5   | 28.5   | 28.5   |
| 85°    | 18.3   | 17.3   | 17.3   | 18.3   | 17.3   | 18.3   | 17.3   | 17.3   | 17.3   | 18.3   | 18.3   |
| 87.5°  | 8.1    | 9.2    | 8.1    | 8.1    | 8.1    | 8.1    | 8.1    | 8.1    | 8.1    | 8.1    | 9.2    |
| 90°    | 6.8    | 7.2    | 7.5    | 7.9    | 8.1    | 8.2    | 8.3    | 8.4    | 8.6    | 8.7    | 8.6    |
| 92.5°  | 7.9    | 8.0    | 8.2    | 8.3    | 8.4    | 8.4    | 8.5    | 8.6    | 8.6    | 8.7    | 8.6    |
| 95°    | 13.0   | 13.3   | 13.7   | 14.0   | 14.2   | 14.2   | 14.1   | 14.0   | 14.0   | 13.9   | 14.0   |
| 97.5°  | 16.6   | 16.8   | 17.1   | 17.3   | 17.4   | 17.4   | 17.5   | 17.6   | 17.6   | 17.7   | 17.6   |
| 100°   | 19.0   | 19.6   | 20.1   | 20.7   | 21.0   | 21.1   | 21.2   | 21.3   | 21.5   | 21.6   | 21.5   |
| 102.5° | 19.8   | 20.6   | 21.4   | 22.2   | 22.6   | 22.7   | 22.9   | 23.1   | 23.3   | 23.5   | 23.3   |
| 105°   | 20.5   | 21.3   | 22.0   | 22.8   | 23.2   | 23.3   | 23.6   | 23.9   | 24.2   | 24.5   | 24.2   |
| 107.5° | 21.1   | 21.9   | 22.7   | 23.5   | 23.9   | 24.0   | 24.3   | 24.6   | 24.8   | 25.1   | 24.8   |
| 110°   | 49.2   | 42.1   | 34.9   | 27.8   | 24.2   | 24.3   | 24.6   | 24.9   | 25.2   | 25.5   | 25.2   |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 132.9 | 102.0 | 71.1  | 40.2  | 24.8  | 24.9  | 25.1  | 25.4  | 25.6  | 25.8  | 25.6  |
| 115°   | 165.7 | 132.5 | 99.4  | 66.2  | 49.6  | 47.0  | 41.9  | 36.7  | 31.6  | 26.4  | 31.6  |
| 117.5° | 206.1 | 195.8 | 185.6 | 175.3 | 170.2 | 160.8 | 142.1 | 123.3 | 104.6 | 85.8  | 104.6 |
| 120°   | 237.2 | 238.0 | 238.9 | 239.8 | 240.2 | 235.4 | 225.7 | 216.0 | 206.4 | 196.7 | 206.4 |
| 122.5° | 255.7 | 256.2 | 256.6 | 257.1 | 257.3 | 257.3 | 257.4 | 257.5 | 257.5 | 257.6 | 257.5 |
| 125°   | 272.9 | 273.4 | 273.9 | 274.4 | 274.7 | 274.8 | 275.0 | 275.3 | 275.5 | 275.7 | 275.5 |
| 127.5° | 288.9 | 289.6 | 290.3 | 291.0 | 291.4 | 291.4 | 291.5 | 291.6 | 291.7 | 291.8 | 291.7 |
| 130°   | 304.2 | 305.0 | 305.7 | 306.5 | 306.9 | 306.9 | 306.8 | 306.7 | 306.7 | 306.6 | 306.7 |
| 132.5° | 319.1 | 319.8 | 320.4 | 321.1 | 321.4 | 321.4 | 321.3 | 321.2 | 321.2 | 321.1 | 321.2 |
| 135°   | 333.1 | 333.8 | 334.5 | 335.2 | 335.6 | 335.5 | 335.4 | 335.3 | 335.1 | 335.0 | 335.1 |
| 137.5° | 346.3 | 347.0 | 347.7 | 348.4 | 348.8 | 348.7 | 348.5 | 348.3 | 348.1 | 347.9 | 348.1 |
| 140°   | 359.1 | 359.8 | 360.4 | 361.1 | 361.4 | 361.2 | 360.9 | 360.5 | 360.2 | 359.8 | 360.2 |
| 142.5° | 371.0 | 371.6 | 372.1 | 372.7 | 373.0 | 372.8 | 372.5 | 372.1 | 371.8 | 371.4 | 371.8 |
| 145°   | 381.9 | 382.4 | 382.9 | 383.4 | 383.7 | 383.5 | 383.1 | 382.8 | 382.4 | 382.0 | 382.4 |
| 147.5° | 391.8 | 392.1 | 392.5 | 392.8 | 393.0 | 392.9 | 392.6 | 392.3 | 392.0 | 391.7 | 392.0 |
| 150°   | 400.5 | 400.9 | 401.4 | 401.8 | 402.0 | 401.8 | 401.5 | 401.1 | 400.8 | 400.4 | 400.8 |
| 152.5° | 408.6 | 409.0 | 409.5 | 409.9 | 410.1 | 409.8 | 409.3 | 408.8 | 408.3 | 407.8 | 408.3 |
| 155°   | 415.7 | 416.1 | 416.6 | 417.0 | 417.2 | 416.9 | 416.3 | 415.8 | 415.2 | 414.6 | 415.2 |
| 157.5° | 421.9 | 422.4 | 422.9 | 423.4 | 423.6 | 423.3 | 422.8 | 422.2 | 421.7 | 421.1 | 421.7 |
| 160°   | 427.3 | 427.7 | 428.2 | 428.6 | 428.8 | 428.5 | 428.0 | 427.5 | 427.0 | 426.5 | 427.0 |
| 162.5° | 432.2 | 432.7 | 433.2 | 433.7 | 434.0 | 433.7 | 433.0 | 432.3 | 431.7 | 431.0 | 431.7 |
| 165°   | 436.1 | 436.6 | 437.1 | 437.6 | 437.8 | 437.6 | 437.1 | 436.6 | 436.1 | 435.6 | 436.1 |
| 167.5° | 439.6 | 440.1 | 440.6 | 441.1 | 441.4 | 441.1 | 440.4 | 439.8 | 439.1 | 438.5 | 439.1 |
| 170°   | 442.2 | 442.7 | 443.2 | 443.7 | 443.9 | 443.6 | 442.9 | 442.3 | 441.6 | 441.0 | 441.6 |
| 172.5° | 444.1 | 444.6 | 445.1 | 445.6 | 445.9 | 445.6 | 444.9 | 444.3 | 443.6 | 443.0 | 443.6 |
| 175°   | 445.4 | 445.9 | 446.4 | 446.9 | 447.2 | 446.8 | 446.1 | 445.4 | 444.6 | 443.9 | 444.6 |
| 177.5° | 445.7 | 446.2 | 446.7 | 447.2 | 447.5 | 447.2 | 446.5 | 445.9 | 445.2 | 444.6 | 445.2 |
| 180°   | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 |

TEST NUMBER: P1008454

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**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 |
| 2.5°   | 1543.4 | 1536.2 | 1534.2 | 1536.2 | 1534.2 | 1535.2 | 1528.1 | 1501.7 | 1508.8 | 1497.6 | 1503.7 |
| 5°     | 1630.9 | 1624.8 | 1611.5 | 1609.5 | 1607.5 | 1605.4 | 1595.3 | 1571.9 | 1562.7 | 1547.4 | 1546.4 |
| 7.5°   | 1714.3 | 1714.3 | 1704.1 | 1697.0 | 1687.8 | 1680.7 | 1667.5 | 1632.9 | 1618.7 | 1600.3 | 1590.2 |
| 10°    | 1796.7 | 1770.2 | 1781.4 | 1774.3 | 1751.9 | 1747.9 | 1723.4 | 1703.1 | 1675.6 | 1657.3 | 1641.0 |
| 12.5°  | 1855.7 | 1847.6 | 1837.4 | 1831.3 | 1825.2 | 1812.0 | 1795.7 | 1743.8 | 1729.6 | 1692.9 | 1674.6 |
| 15°    | 1853.7 | 1848.6 | 1851.6 | 1851.6 | 1849.6 | 1846.6 | 1833.3 | 1795.7 | 1771.3 | 1735.7 | 1704.1 |
| 17.5°  | 1754.0 | 1767.2 | 1780.4 | 1789.6 | 1809.9 | 1819.1 | 1831.3 | 1808.9 | 1793.6 | 1763.1 | 1729.6 |
| 20°    | 1580.0 | 1612.6 | 1651.2 | 1659.4 | 1677.7 | 1731.6 | 1756.0 | 1775.3 | 1781.4 | 1771.3 | 1743.8 |
| 22.5°  | 1337.9 | 1365.3 | 1458.9 | 1456.9 | 1483.3 | 1547.4 | 1618.7 | 1676.6 | 1722.4 | 1747.9 | 1737.7 |
| 25°    | 1047.9 | 1086.6 | 1136.4 | 1174.1 | 1260.5 | 1356.2 | 1444.7 | 1537.3 | 1616.6 | 1686.8 | 1704.1 |
| 27.5°  | 792.5  | 843.4  | 883.1  | 932.9  | 976.7  | 1089.6 | 1203.6 | 1348.0 | 1440.6 | 1573.9 | 1643.1 |
| 30°    | 641.0  | 664.4  | 704.0  | 727.4  | 748.8  | 835.3  | 964.5  | 1106.9 | 1269.7 | 1423.3 | 1542.4 |
| 32.5°  | 547.4  | 563.6  | 593.1  | 603.3  | 625.7  | 683.7  | 765.1  | 895.3  | 1063.2 | 1249.3 | 1406.0 |
| 35°    | 491.4  | 508.7  | 514.8  | 524.0  | 542.3  | 578.9  | 634.8  | 729.5  | 881.1  | 1063.2 | 1250.4 |
| 37.5°  | 443.6  | 452.7  | 470.0  | 476.1  | 482.2  | 509.7  | 547.4  | 613.5  | 714.2  | 863.8  | 1071.3 |
| 40°    | 410.0  | 415.1  | 424.2  | 429.3  | 433.4  | 452.7  | 486.3  | 531.1  | 605.3  | 719.3  | 910.6  |
| 42.5°  | 374.4  | 380.5  | 386.6  | 392.7  | 397.8  | 413.1  | 433.4  | 476.1  | 526.0  | 612.5  | 750.8  |
| 45°    | 339.8  | 343.9  | 351.0  | 355.1  | 362.2  | 374.4  | 392.7  | 422.2  | 467.0  | 521.9  | 633.8  |
| 47.5°  | 308.3  | 313.4  | 316.4  | 321.5  | 326.6  | 339.8  | 357.1  | 376.4  | 413.1  | 467.0  | 548.4  |
| 50°    | 279.8  | 285.9  | 290.0  | 291.0  | 295.0  | 307.2  | 321.5  | 342.9  | 366.3  | 408.0  | 479.2  |
| 52.5°  | 259.4  | 260.5  | 263.5  | 267.6  | 266.6  | 273.7  | 286.9  | 303.2  | 327.6  | 361.2  | 413.1  |
| 55°    | 236.0  | 239.1  | 241.1  | 242.1  | 242.1  | 248.2  | 255.4  | 270.6  | 290.0  | 317.4  | 361.2  |
| 57.5°  | 206.5  | 209.6  | 215.7  | 217.7  | 220.8  | 223.8  | 226.9  | 237.1  | 253.3  | 279.8  | 315.4  |
| 60°    | 176.0  | 178.0  | 184.1  | 188.2  | 190.3  | 198.4  | 202.5  | 210.6  | 219.8  | 239.1  | 272.7  |
| 62.5°  | 141.4  | 143.5  | 146.5  | 150.6  | 154.6  | 166.9  | 177.0  | 185.2  | 192.3  | 205.5  | 233.0  |
| 65°    | 123.1  | 124.1  | 126.2  | 127.2  | 128.2  | 133.3  | 142.4  | 153.6  | 166.9  | 177.0  | 193.3  |
| 67.5°  | 106.8  | 107.8  | 108.9  | 110.9  | 111.9  | 112.9  | 117.0  | 120.1  | 133.3  | 147.5  | 159.7  |
| 70°    | 91.6   | 93.6   | 94.6   | 94.6   | 95.6   | 97.7   | 99.7   | 103.8  | 107.8  | 115.0  | 130.2  |
| 72.5°  | 77.3   | 78.3   | 80.4   | 80.4   | 80.4   | 82.4   | 84.4   | 86.5   | 88.5   | 92.6   | 98.7   |
| 75°    | 64.1   | 66.1   | 66.1   | 66.1   | 67.1   | 67.1   | 69.2   | 71.2   | 73.3   | 76.3   | 78.3   |
| 77.5°  | 52.9   | 52.9   | 52.9   | 52.9   | 53.9   | 53.9   | 54.9   | 57.0   | 58.0   | 59.0   | 61.0   |
| 80°    | 39.7   | 40.7   | 40.7   | 40.7   | 41.7   | 41.7   | 41.7   | 43.7   | 44.8   | 44.8   | 46.8   |
| 82.5°  | 29.5   | 29.5   | 29.5   | 30.5   | 29.5   | 30.5   | 30.5   | 31.5   | 30.5   | 31.5   | 32.6   |
| 85°    | 18.3   | 18.3   | 18.3   | 19.3   | 19.3   | 19.3   | 19.3   | 19.3   | 19.3   | 19.3   | 20.3   |
| 87.5°  | 9.2    | 9.2    | 9.2    | 9.2    | 9.2    | 9.2    | 9.2    | 9.2    | 10.2   | 9.2    | 9.2    |
| 90°    | 8.4    | 8.3    | 8.2    | 8.1    | 7.9    | 7.5    | 7.2    | 6.8    | 6.4    | 5.8    | 5.3    |
| 92.5°  | 8.6    | 8.5    | 8.4    | 8.4    | 8.3    | 8.2    | 8.0    | 7.9    | 7.7    | 7.5    | 7.3    |
| 95°    | 14.0   | 14.1   | 14.2   | 14.2   | 14.0   | 13.7   | 13.3   | 13.0   | 12.6   | 12.1   | 11.6   |
| 97.5°  | 17.6   | 17.5   | 17.4   | 17.4   | 17.3   | 17.1   | 16.8   | 16.6   | 16.4   | 15.3   | 14.1   |
| 100°   | 21.3   | 21.2   | 21.1   | 21.0   | 20.7   | 20.1   | 19.6   | 19.0   | 18.4   | 17.2   | 16.0   |
| 102.5° | 23.1   | 22.9   | 22.7   | 22.6   | 22.2   | 21.4   | 20.6   | 19.8   | 19.0   | 32.0   | 45.1   |
| 105°   | 23.9   | 23.6   | 23.3   | 23.2   | 22.8   | 22.0   | 21.3   | 20.5   | 19.7   | 39.3   | 58.8   |
| 107.5° | 24.6   | 24.3   | 24.0   | 23.9   | 23.5   | 22.7   | 21.9   | 21.1   | 20.3   | 44.5   | 68.6   |
| 110°   | 24.9   | 24.6   | 24.3   | 24.2   | 27.8   | 34.9   | 42.1   | 49.2   | 56.4   | 77.1   | 97.8   |

TEST NUMBER: P1008454

CATALOG NUMBER: S122RDIP-B675D330UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 25.4  | 25.1  | 24.9  | 24.8   | 40.2  | 71.1  | 102.0 | 132.9 | 163.8 | 165.0 | 166.2 |
| 115°   | 36.7  | 41.9  | 47.0  | 49.6   | 66.2  | 99.4  | 132.5 | 165.7 | 198.9 | 197.1 | 195.3 |
| 117.5° | 123.3 | 142.1 | 160.8 | 170.2  | 175.3 | 185.6 | 195.8 | 206.1 | 216.3 | 215.1 | 213.9 |
| 120°   | 216.0 | 225.7 | 235.4 | 240.2  | 239.8 | 238.9 | 238.0 | 237.2 | 236.3 | 235.0 | 233.7 |
| 122.5° | 257.5 | 257.4 | 257.3 | 257.3  | 257.1 | 256.6 | 256.2 | 255.7 | 255.3 | 253.9 | 252.5 |
| 125°   | 275.3 | 275.0 | 274.8 | 274.7  | 274.4 | 273.9 | 273.4 | 272.9 | 272.4 | 271.0 | 269.7 |
| 127.5° | 291.6 | 291.5 | 291.4 | 291.4  | 291.0 | 290.3 | 289.6 | 288.9 | 288.2 | 287.1 | 286.1 |
| 130°   | 306.7 | 306.8 | 306.9 | 306.9  | 306.5 | 305.7 | 305.0 | 304.2 | 303.4 | 302.6 | 301.8 |
| 132.5° | 321.2 | 321.3 | 321.4 | 321.4  | 321.1 | 320.4 | 319.8 | 319.1 | 318.5 | 317.7 | 316.9 |
| 135°   | 335.3 | 335.4 | 335.5 | 335.6  | 335.2 | 334.5 | 333.8 | 333.1 | 332.4 | 331.8 | 331.1 |
| 137.5° | 348.3 | 348.5 | 348.7 | 348.8  | 348.4 | 347.7 | 347.0 | 346.3 | 345.6 | 344.9 | 344.2 |
| 140°   | 360.5 | 360.9 | 361.2 | 361.4  | 361.1 | 360.4 | 359.8 | 359.1 | 358.5 | 357.7 | 356.9 |
| 142.5° | 372.1 | 372.5 | 372.8 | 373.0  | 372.7 | 372.1 | 371.6 | 371.0 | 370.4 | 369.5 | 368.5 |
| 145°   | 382.8 | 383.1 | 383.5 | 383.7  | 383.4 | 382.9 | 382.4 | 381.9 | 381.4 | 380.2 | 379.0 |
| 147.5° | 392.3 | 392.6 | 392.9 | 393.0  | 392.8 | 392.5 | 392.1 | 391.8 | 391.4 | 390.2 | 389.0 |
| 150°   | 401.1 | 401.5 | 401.8 | 402.0  | 401.8 | 401.4 | 400.9 | 400.5 | 400.1 | 398.9 | 397.8 |
| 152.5° | 408.8 | 409.3 | 409.8 | 410.1  | 409.9 | 409.5 | 409.0 | 408.6 | 408.2 | 407.1 | 406.0 |
| 155°   | 415.8 | 416.3 | 416.9 | 417.2  | 417.0 | 416.6 | 416.1 | 415.7 | 415.3 | 414.4 | 413.6 |
| 157.5° | 422.2 | 422.8 | 423.3 | 423.6  | 423.4 | 422.9 | 422.4 | 421.9 | 421.4 | 420.8 | 420.1 |
| 160°   | 427.5 | 428.0 | 428.5 | 428.8  | 428.6 | 428.2 | 427.7 | 427.3 | 426.9 | 426.5 | 426.0 |
| 162.5° | 432.3 | 433.0 | 433.7 | 434.0  | 433.7 | 433.2 | 432.7 | 432.2 | 431.7 | 431.3 | 431.0 |
| 165°   | 436.6 | 437.1 | 437.6 | 437.8  | 437.6 | 437.1 | 436.6 | 436.1 | 435.6 | 435.4 | 435.2 |
| 167.5° | 439.8 | 440.4 | 441.1 | 441.4  | 441.1 | 440.6 | 440.1 | 439.6 | 439.1 | 438.9 | 438.7 |
| 170°   | 442.3 | 442.9 | 443.6 | 443.9  | 443.7 | 443.2 | 442.7 | 442.2 | 441.7 | 441.5 | 441.4 |
| 172.5° | 444.3 | 444.9 | 445.6 | 445.9  | 445.6 | 445.1 | 444.6 | 444.1 | 443.6 | 443.5 | 443.3 |
| 175°   | 445.4 | 446.1 | 446.8 | 447.2  | 446.9 | 446.4 | 445.9 | 445.4 | 444.9 | 444.8 | 444.6 |
| 177.5° | 445.9 | 446.5 | 447.2 | 447.5  | 447.2 | 446.7 | 446.2 | 445.7 | 445.2 | 445.1 | 445.1 |
| 180°   | 445.6 | 445.6 | 445.6 | 445.6  | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 |

TEST NUMBER: P1008454

CATALOG NUMBER: S122RDIP-B675D330UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 |
| 2.5°   | 1494.5 | 1489.4 | 1489.4 | 1486.4 | 1486.4 | 1470.1 | 1470.1 | 1475.2 | 1469.1 | 1462.0 | 1451.8 |
| 5°     | 1533.2 | 1522.0 | 1519.0 | 1514.9 | 1501.7 | 1481.3 | 1473.2 | 1470.1 | 1457.9 | 1442.7 | 1425.4 |
| 7.5°   | 1569.8 | 1551.5 | 1542.4 | 1533.2 | 1515.9 | 1487.4 | 1471.1 | 1459.9 | 1441.6 | 1418.2 | 1395.9 |
| 10°    | 1605.4 | 1582.0 | 1558.6 | 1547.4 | 1523.0 | 1487.4 | 1464.0 | 1445.7 | 1419.3 | 1387.7 | 1356.2 |
| 12.5°  | 1638.0 | 1589.2 | 1585.1 | 1562.7 | 1527.1 | 1486.4 | 1450.8 | 1424.3 | 1390.8 | 1354.1 | 1317.5 |
| 15°    | 1666.5 | 1616.6 | 1592.2 | 1571.9 | 1525.1 | 1474.2 | 1436.5 | 1404.0 | 1359.2 | 1317.5 | 1272.7 |
| 17.5°  | 1680.7 | 1626.8 | 1610.5 | 1576.9 | 1529.1 | 1463.0 | 1412.1 | 1372.5 | 1323.6 | 1273.8 | 1222.9 |
| 20°    | 1695.0 | 1631.9 | 1605.4 | 1582.0 | 1516.9 | 1441.6 | 1384.7 | 1338.9 | 1285.0 | 1225.9 | 1170.0 |
| 22.5°  | 1702.1 | 1631.9 | 1600.3 | 1567.8 | 1504.7 | 1418.2 | 1351.1 | 1297.2 | 1234.1 | 1174.1 | 1106.9 |
| 25°    | 1689.9 | 1625.8 | 1588.1 | 1554.6 | 1483.3 | 1389.7 | 1312.4 | 1251.4 | 1184.2 | 1116.1 | 1047.9 |
| 27.5°  | 1659.4 | 1611.5 | 1567.8 | 1533.2 | 1453.8 | 1353.1 | 1271.7 | 1202.5 | 1133.4 | 1057.1 | 987.9  |
| 30°    | 1602.4 | 1581.0 | 1546.4 | 1507.8 | 1421.3 | 1320.6 | 1223.9 | 1152.7 | 1076.4 | 1000.1 | 927.9  |
| 32.5°  | 1513.9 | 1532.2 | 1509.8 | 1476.2 | 1382.6 | 1275.8 | 1173.0 | 1100.8 | 1017.4 | 935.0  | 868.8  |
| 35°    | 1406.0 | 1471.1 | 1458.9 | 1435.5 | 1341.9 | 1228.0 | 1125.2 | 1037.7 | 954.3  | 870.9  | 804.8  |
| 37.5°  | 1288.0 | 1386.7 | 1396.9 | 1382.6 | 1295.1 | 1179.1 | 1066.2 | 980.8  | 895.3  | 810.9  | 743.7  |
| 40°    | 1126.2 | 1277.8 | 1310.4 | 1316.5 | 1246.3 | 1120.1 | 1002.1 | 918.7  | 834.3  | 751.8  | 670.5  |
| 42.5°  | 977.7  | 1169.0 | 1209.7 | 1235.1 | 1184.2 | 1062.1 | 943.1  | 850.5  | 767.1  | 692.8  | 611.4  |
| 45°    | 838.3  | 1037.7 | 1103.9 | 1136.4 | 1114.0 | 996.0  | 872.9  | 786.4  | 710.1  | 642.0  | 563.6  |
| 47.5°  | 694.9  | 895.3  | 987.9  | 1039.8 | 1039.8 | 928.9  | 805.8  | 720.3  | 647.1  | 589.1  | 519.9  |
| 50°    | 599.2  | 766.1  | 861.7  | 929.9  | 948.2  | 860.7  | 744.7  | 661.3  | 592.1  | 529.0  | 476.1  |
| 52.5°  | 510.7  | 660.3  | 739.6  | 810.9  | 863.8  | 787.5  | 676.6  | 601.3  | 533.1  | 474.1  | 432.4  |
| 55°    | 441.5  | 553.5  | 625.7  | 704.0  | 763.0  | 713.2  | 610.4  | 537.2  | 478.2  | 429.3  | 393.7  |
| 57.5°  | 375.4  | 473.1  | 532.1  | 601.3  | 664.4  | 626.7  | 544.3  | 481.2  | 429.3  | 386.6  | 355.1  |
| 60°    | 319.5  | 398.8  | 444.6  | 498.5  | 576.9  | 550.4  | 482.2  | 424.2  | 382.5  | 343.9  | 317.4  |
| 62.5°  | 271.6  | 334.7  | 373.4  | 412.0  | 483.3  | 471.0  | 418.1  | 373.4  | 337.8  | 305.2  | 282.8  |
| 65°    | 222.8  | 274.7  | 305.2  | 338.8  | 395.8  | 400.8  | 358.1  | 326.6  | 294.0  | 265.5  | 245.2  |
| 67.5°  | 180.1  | 220.8  | 248.2  | 276.7  | 322.5  | 336.8  | 307.2  | 280.8  | 253.3  | 229.9  | 211.6  |
| 70°    | 145.5  | 174.0  | 194.3  | 216.7  | 254.3  | 271.6  | 256.4  | 238.1  | 215.7  | 196.4  | 180.1  |
| 72.5°  | 115.0  | 133.3  | 145.5  | 162.8  | 193.3  | 210.6  | 209.6  | 193.3  | 177.0  | 163.8  | 150.6  |
| 75°    | 84.4   | 98.7   | 108.9  | 120.1  | 144.5  | 160.7  | 164.8  | 157.7  | 141.4  | 131.2  | 121.1  |
| 77.5°  | 64.1   | 72.2   | 77.3   | 85.5   | 102.8  | 117.0  | 123.1  | 121.1  | 109.9  | 101.7  | 94.6   |
| 80°    | 48.8   | 50.9   | 52.9   | 56.0   | 70.2   | 83.4   | 87.5   | 86.5   | 80.4   | 77.3   | 69.2   |
| 82.5°  | 34.6   | 35.6   | 36.6   | 37.6   | 42.7   | 53.9   | 58.0   | 60.0   | 54.9   | 51.9   | 44.8   |
| 85°    | 20.3   | 21.4   | 21.4   | 23.4   | 24.4   | 27.5   | 34.6   | 34.6   | 33.6   | 29.5   | 28.5   |
| 87.5°  | 10.2   | 10.2   | 9.2    | 9.2    | 10.2   | 11.2   | 13.2   | 15.3   | 13.2   | 12.2   | 11.2   |
| 90°    | 4.7    | 4.2    | 3.9    | 3.5    | 2.7    | 1.9    | 1.1    | 0.3    | 1.1    | 1.9    | 2.7    |
| 92.5°  | 7.1    | 6.9    | 6.8    | 6.9    | 7.2    | 7.5    | 7.8    | 8.1    | 7.8    | 7.5    | 7.2    |
| 95°    | 11.1   | 10.6   | 10.3   | 11.5   | 13.9   | 16.2   | 18.6   | 21.0   | 18.6   | 16.2   | 13.9   |
| 97.5°  | 13.0   | 11.9   | 11.3   | 14.2   | 20.1   | 26.0   | 31.8   | 37.7   | 31.8   | 26.0   | 20.1   |
| 100°   | 14.7   | 13.5   | 12.9   | 17.8   | 27.6   | 37.5   | 47.3   | 57.1   | 47.3   | 37.5   | 27.6   |
| 102.5° | 58.1   | 71.2   | 77.7   | 77.8   | 77.9   | 78.0   | 78.2   | 78.3   | 78.2   | 78.0   | 77.9   |
| 105°   | 78.4   | 97.9   | 107.7  | 106.6  | 104.5  | 102.3  | 100.2  | 98.0   | 100.2  | 102.3  | 104.5  |
| 107.5° | 92.8   | 116.9  | 129.0  | 128.1  | 126.3  | 124.5  | 122.7  | 120.9  | 122.7  | 124.5  | 126.3  |
| 110°   | 118.5  | 139.2  | 149.6  | 148.8  | 147.3  | 145.8  | 144.3  | 142.8  | 144.3  | 145.8  | 147.3  |

TEST NUMBER: P1008454

CATALOG NUMBER: S122RDIP-B675D330UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 167.5 | 168.7 | 169.3  | 168.7 | 167.4 | 166.1 | 164.8 | 163.5 | 164.8 | 166.1 | 167.4 |
| 115°   | 193.6 | 191.8 | 190.9  | 190.3 | 189.1 | 187.8 | 186.6 | 185.4 | 186.6 | 187.8 | 189.1 |
| 117.5° | 212.6 | 211.4 | 210.8  | 210.1 | 208.7 | 207.2 | 205.8 | 204.4 | 205.8 | 207.2 | 208.7 |
| 120°   | 232.4 | 231.1 | 230.5  | 230.0 | 228.9 | 227.8 | 226.8 | 225.7 | 226.8 | 227.8 | 228.9 |
| 122.5° | 251.0 | 249.6 | 248.9  | 248.3 | 247.2 | 246.0 | 244.9 | 243.7 | 244.9 | 246.0 | 247.2 |
| 125°   | 268.3 | 267.0 | 266.3  | 265.8 | 264.9 | 264.0 | 263.0 | 262.1 | 263.0 | 264.0 | 264.9 |
| 127.5° | 285.0 | 283.9 | 283.4  | 282.9 | 281.9 | 280.9 | 279.9 | 278.9 | 279.9 | 280.9 | 281.9 |
| 130°   | 301.0 | 300.2 | 299.8  | 299.2 | 298.1 | 297.0 | 295.8 | 294.7 | 295.8 | 297.0 | 298.1 |
| 132.5° | 316.2 | 315.4 | 315.0  | 314.5 | 313.6 | 312.7 | 311.7 | 310.8 | 311.7 | 312.7 | 313.6 |
| 135°   | 330.5 | 329.8 | 329.5  | 328.9 | 327.8 | 326.6 | 325.5 | 324.3 | 325.5 | 326.6 | 327.8 |
| 137.5° | 343.5 | 342.8 | 342.4  | 342.0 | 341.1 | 340.2 | 339.4 | 338.5 | 339.4 | 340.2 | 341.1 |
| 140°   | 356.2 | 355.4 | 355.0  | 354.7 | 354.1 | 353.6 | 353.0 | 352.4 | 353.0 | 353.6 | 354.1 |
| 142.5° | 367.6 | 366.7 | 366.2  | 366.0 | 365.5 | 365.0 | 364.5 | 364.0 | 364.5 | 365.0 | 365.5 |
| 145°   | 377.7 | 376.5 | 375.9  | 375.9 | 376.0 | 376.1 | 376.1 | 376.2 | 376.1 | 376.1 | 376.0 |
| 147.5° | 387.7 | 386.5 | 385.9  | 386.0 | 386.2 | 386.5 | 386.7 | 386.9 | 386.7 | 386.5 | 386.2 |
| 150°   | 396.6 | 395.5 | 394.9  | 395.2 | 395.7 | 396.2 | 396.7 | 397.2 | 396.7 | 396.2 | 395.7 |
| 152.5° | 404.9 | 403.8 | 403.3  | 403.6 | 404.2 | 404.7 | 405.3 | 405.9 | 405.3 | 404.7 | 404.2 |
| 155°   | 412.7 | 411.8 | 411.4  | 411.7 | 412.4 | 413.0 | 413.7 | 414.3 | 413.7 | 413.0 | 412.4 |
| 157.5° | 419.5 | 418.8 | 418.5  | 418.8 | 419.4 | 419.9 | 420.5 | 421.1 | 420.5 | 419.9 | 419.4 |
| 160°   | 425.6 | 425.1 | 424.9  | 425.1 | 425.6 | 426.0 | 426.5 | 426.9 | 426.5 | 426.0 | 425.6 |
| 162.5° | 430.6 | 430.3 | 430.1  | 430.3 | 430.7 | 431.2 | 431.6 | 432.0 | 431.6 | 431.2 | 430.7 |
| 165°   | 434.9 | 434.7 | 434.6  | 434.8 | 435.2 | 435.7 | 436.1 | 436.5 | 436.1 | 435.7 | 435.2 |
| 167.5° | 438.4 | 438.2 | 438.1  | 438.3 | 438.8 | 439.2 | 439.7 | 440.1 | 439.7 | 439.2 | 438.8 |
| 170°   | 441.2 | 441.1 | 441.0  | 441.2 | 441.7 | 442.1 | 442.6 | 443.0 | 442.6 | 442.1 | 441.7 |
| 172.5° | 443.2 | 443.1 | 443.0  | 443.2 | 443.6 | 444.1 | 444.5 | 444.9 | 444.5 | 444.1 | 443.6 |
| 175°   | 444.5 | 444.4 | 444.3  | 444.5 | 445.0 | 445.5 | 446.0 | 446.5 | 446.0 | 445.5 | 445.0 |
| 177.5° | 445.0 | 444.9 | 444.9  | 445.2 | 445.7 | 446.2 | 446.7 | 447.2 | 446.7 | 446.2 | 445.7 |
| 180°   | 445.6 | 445.6 | 445.6  | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 |

TEST NUMBER: P1008454

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**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 |
| 2.5°   | 1447.7 | 1448.8 | 1451.8 | 1442.7 | 1428.4 | 1422.3 | 1404.0 | 1400.9 | 1397.9 | 1397.9 | 1400.9 |
| 5°     | 1415.2 | 1411.1 | 1412.1 | 1394.8 | 1374.5 | 1362.3 | 1336.8 | 1340.9 | 1327.7 | 1319.5 | 1321.6 |
| 7.5°   | 1379.6 | 1368.4 | 1367.4 | 1345.0 | 1319.5 | 1297.2 | 1270.7 | 1264.6 | 1252.4 | 1238.2 | 1232.1 |
| 10°    | 1334.8 | 1326.7 | 1311.4 | 1286.0 | 1253.4 | 1235.1 | 1199.5 | 1178.1 | 1175.1 | 1153.7 | 1145.6 |
| 12.5°  | 1289.0 | 1274.8 | 1259.5 | 1223.9 | 1187.3 | 1157.8 | 1131.3 | 1107.9 | 1091.7 | 1073.3 | 1061.1 |
| 15°    | 1236.1 | 1218.8 | 1201.5 | 1163.9 | 1121.2 | 1091.7 | 1052.0 | 1017.4 | 969.6  | 931.9  | 910.6  |
| 17.5°  | 1178.1 | 1158.8 | 1135.4 | 1093.7 | 1052.0 | 1011.3 | 938.0  | 897.3  | 863.8  | 841.4  | 828.2  |
| 20°    | 1118.1 | 1096.7 | 1073.3 | 1031.6 | 959.4  | 888.2  | 847.5  | 815.9  | 795.6  | 773.2  | 756.9  |
| 22.5°  | 1055.0 | 1032.6 | 1007.2 | 942.1  | 865.8  | 815.9  | 784.4  | 754.9  | 725.4  | 713.2  | 705.0  |
| 25°    | 996.0  | 975.7  | 943.1  | 854.6  | 794.6  | 748.8  | 713.2  | 693.9  | 678.6  | 662.3  | 647.1  |
| 27.5°  | 935.0  | 897.3  | 851.6  | 777.3  | 739.6  | 692.8  | 667.4  | 653.2  | 626.7  | 615.5  | 608.4  |
| 30°    | 861.7  | 820.0  | 776.3  | 723.4  | 679.6  | 647.1  | 623.7  | 600.3  | 585.0  | 573.8  | 561.6  |
| 32.5°  | 787.5  | 747.8  | 720.3  | 665.4  | 632.8  | 599.2  | 576.9  | 562.6  | 540.2  | 533.1  | 528.0  |
| 35°    | 723.4  | 689.8  | 665.4  | 620.6  | 590.1  | 559.6  | 543.3  | 521.9  | 507.7  | 494.4  | 486.3  |
| 37.5°  | 660.3  | 642.0  | 616.5  | 578.9  | 546.3  | 521.9  | 499.5  | 492.4  | 473.1  | 466.0  | 457.8  |
| 40°    | 616.5  | 589.1  | 567.7  | 535.1  | 507.7  | 481.2  | 467.0  | 450.7  | 437.5  | 426.3  | 423.2  |
| 42.5°  | 563.6  | 543.3  | 531.1  | 495.5  | 467.0  | 451.7  | 434.4  | 416.1  | 405.9  | 396.8  | 385.6  |
| 45°    | 524.0  | 505.6  | 488.3  | 459.9  | 434.4  | 415.1  | 399.8  | 387.6  | 370.3  | 366.3  | 349.0  |
| 47.5°  | 482.2  | 463.9  | 450.7  | 422.2  | 398.8  | 380.5  | 369.3  | 353.0  | 338.8  | 329.6  | 321.5  |
| 50°    | 440.5  | 425.3  | 413.1  | 388.6  | 368.3  | 349.0  | 333.7  | 317.4  | 311.3  | 296.1  | 291.0  |
| 52.5°  | 400.8  | 390.7  | 377.4  | 354.0  | 333.7  | 317.4  | 301.1  | 287.9  | 278.8  | 270.6  | 264.5  |
| 55°    | 367.3  | 351.0  | 344.9  | 319.5  | 302.2  | 284.9  | 270.6  | 262.5  | 251.3  | 246.2  | 241.1  |
| 57.5°  | 329.6  | 320.5  | 310.3  | 291.0  | 271.6  | 255.4  | 245.2  | 233.0  | 226.9  | 220.8  | 216.7  |
| 60°    | 297.1  | 283.9  | 275.7  | 259.4  | 242.1  | 226.9  | 217.7  | 208.6  | 200.4  | 195.3  | 187.2  |
| 62.5°  | 259.4  | 249.3  | 244.2  | 226.9  | 212.6  | 198.4  | 190.3  | 181.1  | 175.0  | 165.8  | 155.7  |
| 65°    | 226.9  | 218.7  | 212.6  | 198.4  | 185.2  | 171.9  | 163.8  | 152.6  | 144.5  | 139.4  | 138.4  |
| 67.5°  | 198.4  | 192.3  | 183.1  | 169.9  | 156.7  | 146.5  | 137.3  | 128.2  | 127.2  | 125.1  | 125.1  |
| 70°    | 166.9  | 160.7  | 155.7  | 141.4  | 130.2  | 119.0  | 117.0  | 113.9  | 110.9  | 109.9  | 107.8  |
| 72.5°  | 139.4  | 134.3  | 128.2  | 116.0  | 104.8  | 101.7  | 99.7   | 97.7   | 94.6   | 93.6   | 92.6   |
| 75°    | 112.9  | 105.8  | 101.7  | 90.5   | 87.5   | 85.5   | 83.4   | 80.4   | 78.3   | 77.3   | 75.3   |
| 77.5°  | 86.5   | 79.4   | 79.4   | 73.3   | 71.2   | 68.2   | 66.1   | 64.1   | 63.1   | 61.0   | 61.0   |
| 80°    | 61.0   | 61.0   | 59.0   | 56.0   | 52.9   | 51.9   | 48.8   | 47.8   | 46.8   | 47.8   | 45.8   |
| 82.5°  | 44.8   | 40.7   | 40.7   | 38.7   | 36.6   | 35.6   | 33.6   | 33.6   | 32.6   | 32.6   | 32.6   |
| 85°    | 25.4   | 25.4   | 24.4   | 22.4   | 21.4   | 21.4   | 20.3   | 20.3   | 19.3   | 19.3   | 18.3   |
| 87.5°  | 10.2   | 9.2    | 10.2   | 9.2    | 9.2    | 8.1    | 8.1    | 8.1    | 7.1    | 8.1    | 7.1    |
| 90°    | 3.5    | 3.9    | 4.2    | 4.7    | 5.3    | 5.8    | 6.4    | 6.8    | 7.2    | 7.5    | 7.9    |
| 92.5°  | 6.9    | 6.8    | 6.9    | 7.1    | 7.3    | 7.5    | 7.7    | 7.9    | 8.0    | 8.2    | 8.3    |
| 95°    | 11.5   | 10.3   | 10.6   | 11.1   | 11.6   | 12.1   | 12.6   | 13.0   | 13.3   | 13.7   | 14.0   |
| 97.5°  | 14.2   | 11.3   | 11.9   | 13.0   | 14.1   | 15.3   | 16.4   | 16.6   | 16.8   | 17.1   | 17.3   |
| 100°   | 17.8   | 12.9   | 13.5   | 14.7   | 16.0   | 17.2   | 18.4   | 19.0   | 19.6   | 20.1   | 20.7   |
| 102.5° | 77.8   | 77.7   | 71.2   | 58.1   | 45.1   | 32.0   | 19.0   | 19.8   | 20.6   | 21.4   | 22.2   |
| 105°   | 106.6  | 107.7  | 97.9   | 78.4   | 58.8   | 39.3   | 19.7   | 20.5   | 21.3   | 22.0   | 22.8   |
| 107.5° | 128.1  | 129.0  | 116.9  | 92.8   | 68.6   | 44.5   | 20.3   | 21.1   | 21.9   | 22.7   | 23.5   |
| 110°   | 148.8  | 149.6  | 139.2  | 118.5  | 97.8   | 77.1   | 56.4   | 49.2   | 42.1   | 34.9   | 27.8   |

TEST NUMBER: P1008454

CATALOG NUMBER: S122RDIP-B675D330UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 168.7 | 169.3  | 168.7 | 167.5 | 166.2 | 165.0 | 163.8 | 132.9 | 102.0 | 71.1  | 40.2  |
| 115°   | 190.3 | 190.9  | 191.8 | 193.6 | 195.3 | 197.1 | 198.9 | 165.7 | 132.5 | 99.4  | 66.2  |
| 117.5° | 210.1 | 210.8  | 211.4 | 212.6 | 213.9 | 215.1 | 216.3 | 206.1 | 195.8 | 185.6 | 175.3 |
| 120°   | 230.0 | 230.5  | 231.1 | 232.4 | 233.7 | 235.0 | 236.3 | 237.2 | 238.0 | 238.9 | 239.8 |
| 122.5° | 248.3 | 248.9  | 249.6 | 251.0 | 252.5 | 253.9 | 255.3 | 255.7 | 256.2 | 256.6 | 257.1 |
| 125°   | 265.8 | 266.3  | 267.0 | 268.3 | 269.7 | 271.0 | 272.4 | 272.9 | 273.4 | 273.9 | 274.4 |
| 127.5° | 282.9 | 283.4  | 283.9 | 285.0 | 286.1 | 287.1 | 288.2 | 288.9 | 289.6 | 290.3 | 291.0 |
| 130°   | 299.2 | 299.8  | 300.2 | 301.0 | 301.8 | 302.6 | 303.4 | 304.2 | 305.0 | 305.7 | 306.5 |
| 132.5° | 314.5 | 315.0  | 315.4 | 316.2 | 316.9 | 317.7 | 318.5 | 319.1 | 319.8 | 320.4 | 321.1 |
| 135°   | 328.9 | 329.5  | 329.8 | 330.5 | 331.1 | 331.8 | 332.4 | 333.1 | 333.8 | 334.5 | 335.2 |
| 137.5° | 342.0 | 342.4  | 342.8 | 343.5 | 344.2 | 344.9 | 345.6 | 346.3 | 347.0 | 347.7 | 348.4 |
| 140°   | 354.7 | 355.0  | 355.4 | 356.2 | 356.9 | 357.7 | 358.5 | 359.1 | 359.8 | 360.4 | 361.1 |
| 142.5° | 366.0 | 366.2  | 366.7 | 367.6 | 368.5 | 369.5 | 370.4 | 371.0 | 371.6 | 372.1 | 372.7 |
| 145°   | 375.9 | 375.9  | 376.5 | 377.7 | 379.0 | 380.2 | 381.4 | 381.9 | 382.4 | 382.9 | 383.4 |
| 147.5° | 386.0 | 385.9  | 386.5 | 387.7 | 389.0 | 390.2 | 391.4 | 391.8 | 392.1 | 392.5 | 392.8 |
| 150°   | 395.2 | 394.9  | 395.5 | 396.6 | 397.8 | 398.9 | 400.1 | 400.5 | 400.9 | 401.4 | 401.8 |
| 152.5° | 403.6 | 403.3  | 403.8 | 404.9 | 406.0 | 407.1 | 408.2 | 408.6 | 409.0 | 409.5 | 409.9 |
| 155°   | 411.7 | 411.4  | 411.8 | 412.7 | 413.6 | 414.4 | 415.3 | 415.7 | 416.1 | 416.6 | 417.0 |
| 157.5° | 418.8 | 418.5  | 418.8 | 419.5 | 420.1 | 420.8 | 421.4 | 421.9 | 422.4 | 422.9 | 423.4 |
| 160°   | 425.1 | 424.9  | 425.1 | 425.6 | 426.0 | 426.5 | 426.9 | 427.3 | 427.7 | 428.2 | 428.6 |
| 162.5° | 430.3 | 430.1  | 430.3 | 430.6 | 431.0 | 431.3 | 431.7 | 432.2 | 432.7 | 433.2 | 433.7 |
| 165°   | 434.8 | 434.6  | 434.7 | 434.9 | 435.2 | 435.4 | 435.6 | 436.1 | 436.6 | 437.1 | 437.6 |
| 167.5° | 438.3 | 438.1  | 438.2 | 438.4 | 438.7 | 438.9 | 439.1 | 439.6 | 440.1 | 440.6 | 441.1 |
| 170°   | 441.2 | 441.0  | 441.1 | 441.2 | 441.4 | 441.5 | 441.7 | 442.2 | 442.7 | 443.2 | 443.7 |
| 172.5° | 443.2 | 443.0  | 443.1 | 443.2 | 443.3 | 443.5 | 443.6 | 444.1 | 444.6 | 445.1 | 445.6 |
| 175°   | 444.5 | 444.3  | 444.4 | 444.5 | 444.6 | 444.8 | 444.9 | 445.4 | 445.9 | 446.4 | 446.9 |
| 177.5° | 445.2 | 444.9  | 444.9 | 445.0 | 445.1 | 445.1 | 445.2 | 445.7 | 446.2 | 446.7 | 447.2 |
| 180°   | 445.6 | 445.6  | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 |

TEST NUMBER: P1008454

CATALOG NUMBER: S122RDIP-B675D330UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 |
| 2.5°   | 1400.9 | 1398.9 | 1392.8 | 1394.8 | 1391.8 | 1391.8 | 1389.7 | 1389.7 | 1389.7 | 1394.8 | 1391.8 |
| 5°     | 1324.6 | 1317.5 | 1310.4 | 1307.3 | 1304.3 | 1301.2 | 1301.2 | 1300.2 | 1309.4 | 1307.3 | 1315.5 |
| 7.5°   | 1230.0 | 1228.0 | 1213.7 | 1213.7 | 1208.7 | 1206.6 | 1211.7 | 1212.7 | 1213.7 | 1215.8 | 1220.9 |
| 10°    | 1145.6 | 1140.5 | 1120.1 | 1122.2 | 1119.1 | 1115.1 | 1118.1 | 1116.1 | 1123.2 | 1125.2 | 1123.2 |
| 12.5°  | 1045.9 | 1036.7 | 1014.3 | 1003.1 | 990.9  | 981.8  | 993.0  | 984.8  | 1013.3 | 1021.5 | 1043.8 |
| 15°    | 913.6  | 896.3  | 881.1  | 881.1  | 869.9  | 861.7  | 866.8  | 876.0  | 882.1  | 891.2  | 895.3  |
| 17.5°  | 825.1  | 818.0  | 805.8  | 798.6  | 795.6  | 792.5  | 792.5  | 796.6  | 809.8  | 808.8  | 817.0  |
| 20°    | 749.8  | 745.7  | 739.6  | 730.5  | 727.4  | 725.4  | 725.4  | 725.4  | 734.6  | 742.7  | 747.8  |
| 22.5°  | 697.9  | 694.9  | 690.8  | 678.6  | 672.5  | 670.5  | 675.5  | 678.6  | 685.7  | 691.8  | 696.9  |
| 25°    | 646.0  | 638.9  | 631.8  | 627.7  | 624.7  | 624.7  | 626.7  | 627.7  | 630.8  | 633.8  | 639.9  |
| 27.5°  | 603.3  | 598.2  | 588.0  | 576.9  | 576.9  | 573.8  | 575.8  | 577.9  | 585.0  | 595.2  | 600.3  |
| 30°    | 555.5  | 554.5  | 550.4  | 546.3  | 542.3  | 540.2  | 544.3  | 547.4  | 548.4  | 553.5  | 553.5  |
| 32.5°  | 520.9  | 513.8  | 506.7  | 502.6  | 500.6  | 499.5  | 500.6  | 504.6  | 504.6  | 510.7  | 517.8  |
| 35°    | 486.3  | 482.2  | 475.1  | 468.0  | 466.0  | 460.9  | 464.9  | 469.0  | 476.1  | 479.2  | 482.2  |
| 37.5°  | 448.7  | 443.6  | 440.5  | 438.5  | 434.4  | 435.4  | 432.4  | 438.5  | 444.6  | 443.6  | 445.6  |
| 40°    | 420.2  | 411.0  | 401.9  | 400.8  | 399.8  | 398.8  | 398.8  | 399.8  | 403.9  | 408.0  | 414.1  |
| 42.5°  | 383.6  | 380.5  | 372.4  | 364.2  | 362.2  | 360.2  | 358.1  | 362.2  | 370.3  | 377.4  | 380.5  |
| 45°    | 345.9  | 341.8  | 339.8  | 333.7  | 329.6  | 328.6  | 326.6  | 331.7  | 338.8  | 341.8  | 343.9  |
| 47.5°  | 311.3  | 310.3  | 304.2  | 305.2  | 302.2  | 303.2  | 302.2  | 305.2  | 305.2  | 308.3  | 310.3  |
| 50°    | 287.9  | 284.9  | 281.8  | 279.8  | 276.7  | 276.7  | 275.7  | 276.7  | 280.8  | 284.9  | 283.9  |
| 52.5°  | 264.5  | 259.4  | 258.4  | 257.4  | 255.4  | 257.4  | 254.3  | 255.4  | 259.4  | 261.5  | 260.5  |
| 55°    | 237.1  | 236.0  | 234.0  | 232.0  | 230.9  | 229.9  | 229.9  | 229.9  | 234.0  | 237.1  | 238.1  |
| 57.5°  | 215.7  | 210.6  | 206.5  | 206.5  | 202.5  | 201.4  | 203.5  | 204.5  | 207.5  | 209.6  | 211.6  |
| 60°    | 186.2  | 184.1  | 178.0  | 175.0  | 168.9  | 167.9  | 167.9  | 171.9  | 177.0  | 184.1  | 186.2  |
| 62.5°  | 154.6  | 151.6  | 150.6  | 150.6  | 150.6  | 150.6  | 150.6  | 150.6  | 150.6  | 151.6  | 151.6  |
| 65°    | 137.3  | 138.4  | 137.3  | 136.3  | 137.3  | 137.3  | 136.3  | 136.3  | 136.3  | 137.3  | 138.4  |
| 67.5°  | 123.1  | 122.1  | 123.1  | 122.1  | 121.1  | 121.1  | 120.1  | 121.1  | 122.1  | 123.1  | 123.1  |
| 70°    | 106.8  | 106.8  | 105.8  | 106.8  | 105.8  | 104.8  | 103.8  | 103.8  | 105.8  | 106.8  | 106.8  |
| 72.5°  | 91.6   | 91.6   | 90.5   | 90.5   | 88.5   | 88.5   | 89.5   | 88.5   | 88.5   | 91.6   | 91.6   |
| 75°    | 76.3   | 75.3   | 74.3   | 74.3   | 73.3   | 73.3   | 73.3   | 72.2   | 74.3   | 74.3   | 75.3   |
| 77.5°  | 60.0   | 60.0   | 60.0   | 59.0   | 59.0   | 58.0   | 58.0   | 59.0   | 59.0   | 59.0   | 60.0   |
| 80°    | 45.8   | 45.8   | 45.8   | 44.8   | 43.7   | 43.7   | 43.7   | 43.7   | 43.7   | 44.8   | 43.7   |
| 82.5°  | 31.5   | 31.5   | 31.5   | 31.5   | 31.5   | 30.5   | 30.5   | 30.5   | 31.5   | 31.5   | 30.5   |
| 85°    | 19.3   | 18.3   | 19.3   | 19.3   | 18.3   | 19.3   | 18.3   | 18.3   | 17.3   | 17.3   | 18.3   |
| 87.5°  | 8.1    | 7.1    | 6.1    | 6.1    | 7.1    | 6.1    | 6.1    | 6.1    | 7.1    | 6.1    | 6.1    |
| 90°    | 8.1    | 8.2    | 8.3    | 8.4    | 8.6    | 8.7    | 8.6    | 8.4    | 8.3    | 8.2    | 8.1    |
| 92.5°  | 8.4    | 8.4    | 8.5    | 8.6    | 8.6    | 8.7    | 8.6    | 8.6    | 8.5    | 8.4    | 8.4    |
| 95°    | 14.2   | 14.2   | 14.1   | 14.0   | 14.0   | 13.9   | 14.0   | 14.0   | 14.1   | 14.2   | 14.2   |
| 97.5°  | 17.4   | 17.4   | 17.5   | 17.6   | 17.6   | 17.7   | 17.6   | 17.6   | 17.5   | 17.4   | 17.4   |
| 100°   | 21.0   | 21.1   | 21.2   | 21.3   | 21.5   | 21.6   | 21.5   | 21.3   | 21.2   | 21.1   | 21.0   |
| 102.5° | 22.6   | 22.7   | 22.9   | 23.1   | 23.3   | 23.5   | 23.3   | 23.1   | 22.9   | 22.7   | 22.6   |
| 105°   | 23.2   | 23.3   | 23.6   | 23.9   | 24.2   | 24.5   | 24.2   | 23.9   | 23.6   | 23.3   | 23.2   |
| 107.5° | 23.9   | 24.0   | 24.3   | 24.6   | 24.8   | 25.1   | 24.8   | 24.6   | 24.3   | 24.0   | 23.9   |
| 110°   | 24.2   | 24.3   | 24.6   | 24.9   | 25.2   | 25.5   | 25.2   | 24.9   | 24.6   | 24.3   | 24.2   |

TEST NUMBER: P1008454

CATALOG NUMBER: S122RDIP-B675D330UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 24.8   | 24.9  | 25.1  | 25.4  | 25.6  | 25.8  | 25.6  | 25.4  | 25.1  | 24.9  | 24.8   |
| 115°   | 49.6   | 47.0  | 41.9  | 36.7  | 31.6  | 26.4  | 31.6  | 36.7  | 41.9  | 47.0  | 49.6   |
| 117.5° | 170.2  | 160.8 | 142.1 | 123.3 | 104.6 | 85.8  | 104.6 | 123.3 | 142.1 | 160.8 | 170.2  |
| 120°   | 240.2  | 235.4 | 225.7 | 216.0 | 206.4 | 196.7 | 206.4 | 216.0 | 225.7 | 235.4 | 240.2  |
| 122.5° | 257.3  | 257.3 | 257.4 | 257.5 | 257.5 | 257.6 | 257.5 | 257.5 | 257.4 | 257.3 | 257.3  |
| 125°   | 274.7  | 274.8 | 275.0 | 275.3 | 275.5 | 275.7 | 275.5 | 275.3 | 275.0 | 274.8 | 274.7  |
| 127.5° | 291.4  | 291.4 | 291.5 | 291.6 | 291.7 | 291.8 | 291.7 | 291.6 | 291.5 | 291.4 | 291.4  |
| 130°   | 306.9  | 306.9 | 306.8 | 306.7 | 306.7 | 306.6 | 306.7 | 306.7 | 306.8 | 306.9 | 306.9  |
| 132.5° | 321.4  | 321.4 | 321.3 | 321.2 | 321.2 | 321.1 | 321.2 | 321.2 | 321.3 | 321.4 | 321.4  |
| 135°   | 335.6  | 335.5 | 335.4 | 335.3 | 335.1 | 335.0 | 335.1 | 335.3 | 335.4 | 335.5 | 335.6  |
| 137.5° | 348.8  | 348.7 | 348.5 | 348.3 | 348.1 | 347.9 | 348.1 | 348.3 | 348.5 | 348.7 | 348.8  |
| 140°   | 361.4  | 361.2 | 360.9 | 360.5 | 360.2 | 359.8 | 360.2 | 360.5 | 360.9 | 361.2 | 361.4  |
| 142.5° | 373.0  | 372.8 | 372.5 | 372.1 | 371.8 | 371.4 | 371.8 | 372.1 | 372.5 | 372.8 | 373.0  |
| 145°   | 383.7  | 383.5 | 383.1 | 382.8 | 382.4 | 382.0 | 382.4 | 382.8 | 383.1 | 383.5 | 383.7  |
| 147.5° | 393.0  | 392.9 | 392.6 | 392.3 | 392.0 | 391.7 | 392.0 | 392.3 | 392.6 | 392.9 | 393.0  |
| 150°   | 402.0  | 401.8 | 401.5 | 401.1 | 400.8 | 400.4 | 400.8 | 401.1 | 401.5 | 401.8 | 402.0  |
| 152.5° | 410.1  | 409.8 | 409.3 | 408.8 | 408.3 | 407.8 | 408.3 | 408.8 | 409.3 | 409.8 | 410.1  |
| 155°   | 417.2  | 416.9 | 416.3 | 415.8 | 415.2 | 414.6 | 415.2 | 415.8 | 416.3 | 416.9 | 417.2  |
| 157.5° | 423.6  | 423.3 | 422.8 | 422.2 | 421.7 | 421.1 | 421.7 | 422.2 | 422.8 | 423.3 | 423.6  |
| 160°   | 428.8  | 428.5 | 428.0 | 427.5 | 427.0 | 426.5 | 427.0 | 427.5 | 428.0 | 428.5 | 428.8  |
| 162.5° | 434.0  | 433.7 | 433.0 | 432.3 | 431.7 | 431.0 | 431.7 | 432.3 | 433.0 | 433.7 | 434.0  |
| 165°   | 437.8  | 437.6 | 437.1 | 436.6 | 436.1 | 435.6 | 436.1 | 436.6 | 437.1 | 437.6 | 437.8  |
| 167.5° | 441.4  | 441.1 | 440.4 | 439.8 | 439.1 | 438.5 | 439.1 | 439.8 | 440.4 | 441.1 | 441.4  |
| 170°   | 443.9  | 443.6 | 442.9 | 442.3 | 441.6 | 441.0 | 441.6 | 442.3 | 442.9 | 443.6 | 443.9  |
| 172.5° | 445.9  | 445.6 | 444.9 | 444.3 | 443.6 | 443.0 | 443.6 | 444.3 | 444.9 | 445.6 | 445.9  |
| 175°   | 447.2  | 446.8 | 446.1 | 445.4 | 444.6 | 443.9 | 444.6 | 445.4 | 446.1 | 446.8 | 447.2  |
| 177.5° | 447.5  | 447.2 | 446.5 | 445.9 | 445.2 | 444.6 | 445.2 | 445.9 | 446.5 | 447.2 | 447.5  |
| 180°   | 445.6  | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6  |

TEST NUMBER: P1008454

CATALOG NUMBER: S122RDIP-B675D330UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 | 1464.0 |
| 2.5°   | 1394.8 | 1399.9 | 1397.9 | 1386.7 | 1397.9 | 1400.9 | 1407.0 | 1413.1 | 1417.2 | 1423.3 | 1428.4 |
| 5°     | 1307.3 | 1317.5 | 1323.6 | 1317.5 | 1337.9 | 1340.9 | 1355.2 | 1363.3 | 1375.5 | 1385.7 | 1393.8 |
| 7.5°   | 1224.9 | 1233.1 | 1245.3 | 1247.3 | 1259.5 | 1273.8 | 1294.1 | 1314.5 | 1333.8 | 1344.0 | 1353.1 |
| 10°    | 1136.4 | 1150.7 | 1169.0 | 1164.9 | 1183.2 | 1205.6 | 1227.0 | 1259.5 | 1275.8 | 1294.1 | 1310.4 |
| 12.5°  | 1047.9 | 1057.1 | 1081.5 | 1089.6 | 1116.1 | 1133.4 | 1162.9 | 1183.2 | 1223.9 | 1245.3 | 1259.5 |
| 15°    | 893.3  | 930.9  | 961.4  | 998.1  | 1032.6 | 1065.2 | 1091.7 | 1128.3 | 1163.9 | 1180.2 | 1203.6 |
| 17.5°  | 823.1  | 840.4  | 858.7  | 877.0  | 921.7  | 979.7  | 1026.5 | 1066.2 | 1096.7 | 1118.1 | 1145.6 |
| 20°    | 749.8  | 767.1  | 787.5  | 804.8  | 832.2  | 873.9  | 931.9  | 1000.1 | 1036.7 | 1059.1 | 1085.5 |
| 22.5°  | 697.9  | 714.2  | 727.4  | 742.7  | 764.1  | 794.6  | 838.3  | 922.8  | 971.6  | 999.1  | 1022.5 |
| 25°    | 642.0  | 662.3  | 676.6  | 687.8  | 705.0  | 738.6  | 774.2  | 822.0  | 909.5  | 930.9  | 963.5  |
| 27.5°  | 603.3  | 609.4  | 625.7  | 643.0  | 660.3  | 678.6  | 715.2  | 755.9  | 814.9  | 861.7  | 901.4  |
| 30°    | 557.5  | 572.8  | 588.0  | 595.2  | 610.4  | 636.9  | 659.3  | 703.0  | 748.8  | 785.4  | 833.2  |
| 32.5°  | 522.9  | 532.1  | 542.3  | 559.6  | 573.8  | 592.1  | 614.5  | 651.1  | 689.8  | 713.2  | 749.8  |
| 35°    | 484.3  | 490.4  | 511.7  | 518.9  | 533.1  | 551.4  | 573.8  | 602.3  | 644.0  | 662.3  | 688.8  |
| 37.5°  | 447.6  | 461.9  | 468.0  | 484.3  | 497.5  | 515.8  | 532.1  | 564.6  | 592.1  | 613.5  | 637.9  |
| 40°    | 419.2  | 425.3  | 436.5  | 450.7  | 461.9  | 476.1  | 496.5  | 519.9  | 549.4  | 566.7  | 588.0  |
| 42.5°  | 384.6  | 389.7  | 403.9  | 412.0  | 430.4  | 443.6  | 455.8  | 484.3  | 510.7  | 524.0  | 545.3  |
| 45°    | 346.9  | 359.1  | 368.3  | 384.6  | 394.7  | 411.0  | 426.3  | 446.6  | 471.0  | 486.3  | 498.5  |
| 47.5°  | 314.4  | 326.6  | 335.7  | 351.0  | 367.3  | 374.4  | 390.7  | 412.0  | 434.4  | 446.6  | 463.9  |
| 50°    | 287.9  | 292.0  | 309.3  | 316.4  | 333.7  | 347.9  | 359.1  | 377.4  | 401.9  | 409.0  | 423.2  |
| 52.5°  | 262.5  | 265.5  | 276.7  | 285.9  | 301.1  | 313.4  | 327.6  | 344.9  | 365.2  | 376.4  | 387.6  |
| 55°    | 240.1  | 242.1  | 247.2  | 257.4  | 267.6  | 282.8  | 296.1  | 312.3  | 329.6  | 341.8  | 352.0  |
| 57.5°  | 214.7  | 218.7  | 222.8  | 228.9  | 239.1  | 253.3  | 267.6  | 282.8  | 297.1  | 305.2  | 318.4  |
| 60°    | 185.2  | 191.3  | 198.4  | 205.5  | 212.6  | 222.8  | 239.1  | 253.3  | 266.6  | 273.7  | 283.9  |
| 62.5°  | 153.6  | 165.8  | 171.9  | 180.1  | 186.2  | 195.3  | 207.5  | 223.8  | 233.0  | 242.1  | 250.3  |
| 65°    | 138.4  | 139.4  | 140.4  | 148.5  | 159.7  | 168.9  | 180.1  | 192.3  | 206.5  | 212.6  | 218.7  |
| 67.5°  | 123.1  | 124.1  | 126.2  | 127.2  | 131.2  | 141.4  | 153.6  | 166.9  | 178.0  | 182.1  | 188.2  |
| 70°    | 107.8  | 107.8  | 111.9  | 112.9  | 113.9  | 115.0  | 125.1  | 138.4  | 148.5  | 153.6  | 160.7  |
| 72.5°  | 91.6   | 92.6   | 94.6   | 95.6   | 97.7   | 99.7   | 102.8  | 109.9  | 122.1  | 127.2  | 135.3  |
| 75°    | 75.3   | 76.3   | 77.3   | 78.3   | 81.4   | 82.4   | 85.5   | 89.5   | 94.6   | 100.7  | 105.8  |
| 77.5°  | 60.0   | 60.0   | 61.0   | 63.1   | 65.1   | 66.1   | 69.2   | 71.2   | 73.3   | 76.3   | 80.4   |
| 80°    | 44.8   | 45.8   | 45.8   | 47.8   | 47.8   | 48.8   | 49.9   | 52.9   | 54.9   | 57.0   | 59.0   |
| 82.5°  | 30.5   | 32.6   | 32.6   | 32.6   | 33.6   | 34.6   | 35.6   | 35.6   | 37.6   | 38.7   | 41.7   |
| 85°    | 18.3   | 19.3   | 19.3   | 19.3   | 18.3   | 20.3   | 20.3   | 21.4   | 21.4   | 21.4   | 22.4   |
| 87.5°  | 7.1    | 6.1    | 7.1    | 7.1    | 7.1    | 8.1    | 7.1    | 7.1    | 8.1    | 9.2    | 9.2    |
| 90°    | 7.9    | 7.5    | 7.2    | 6.8    | 6.4    | 5.8    | 5.3    | 4.7    | 4.2    | 3.9    | 3.5    |
| 92.5°  | 8.3    | 8.2    | 8.0    | 7.9    | 7.7    | 7.5    | 7.3    | 7.1    | 6.9    | 6.8    | 6.9    |
| 95°    | 14.0   | 13.7   | 13.3   | 13.0   | 12.6   | 12.1   | 11.6   | 11.1   | 10.6   | 10.3   | 11.5   |
| 97.5°  | 17.3   | 17.1   | 16.8   | 16.6   | 16.4   | 15.3   | 14.1   | 13.0   | 11.9   | 11.3   | 14.2   |
| 100°   | 20.7   | 20.1   | 19.6   | 19.0   | 18.4   | 17.2   | 16.0   | 14.7   | 13.5   | 12.9   | 17.8   |
| 102.5° | 22.2   | 21.4   | 20.6   | 19.8   | 19.0   | 32.0   | 45.1   | 58.1   | 71.2   | 77.7   | 77.8   |
| 105°   | 22.8   | 22.0   | 21.3   | 20.5   | 19.7   | 39.3   | 58.8   | 78.4   | 97.9   | 107.7  | 106.6  |
| 107.5° | 23.5   | 22.7   | 21.9   | 21.1   | 20.3   | 44.5   | 68.6   | 92.8   | 116.9  | 129.0  | 128.1  |
| 110°   | 27.8   | 34.9   | 42.1   | 49.2   | 56.4   | 77.1   | 97.8   | 118.5  | 139.2  | 149.6  | 148.8  |

TEST NUMBER: P1008454

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**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 40.2  | 71.1  | 102.0 | 132.9 | 163.8 | 165.0 | 166.2 | 167.5 | 168.7 | 169.3  | 168.7 |
| 115°   | 66.2  | 99.4  | 132.5 | 165.7 | 198.9 | 197.1 | 195.3 | 193.6 | 191.8 | 190.9  | 190.3 |
| 117.5° | 175.3 | 185.6 | 195.8 | 206.1 | 216.3 | 215.1 | 213.9 | 212.6 | 211.4 | 210.8  | 210.1 |
| 120°   | 239.8 | 238.9 | 238.0 | 237.2 | 236.3 | 235.0 | 233.7 | 232.4 | 231.1 | 230.5  | 230.0 |
| 122.5° | 257.1 | 256.6 | 256.2 | 255.7 | 255.3 | 253.9 | 252.5 | 251.0 | 249.6 | 248.9  | 248.3 |
| 125°   | 274.4 | 273.9 | 273.4 | 272.9 | 272.4 | 271.0 | 269.7 | 268.3 | 267.0 | 266.3  | 265.8 |
| 127.5° | 291.0 | 290.3 | 289.6 | 288.9 | 288.2 | 287.1 | 286.1 | 285.0 | 283.9 | 283.4  | 282.9 |
| 130°   | 306.5 | 305.7 | 305.0 | 304.2 | 303.4 | 302.6 | 301.8 | 301.0 | 300.2 | 299.8  | 299.2 |
| 132.5° | 321.1 | 320.4 | 319.8 | 319.1 | 318.5 | 317.7 | 316.9 | 316.2 | 315.4 | 315.0  | 314.5 |
| 135°   | 335.2 | 334.5 | 333.8 | 333.1 | 332.4 | 331.8 | 331.1 | 330.5 | 329.8 | 329.5  | 328.9 |
| 137.5° | 348.4 | 347.7 | 347.0 | 346.3 | 345.6 | 344.9 | 344.2 | 343.5 | 342.8 | 342.4  | 342.0 |
| 140°   | 361.1 | 360.4 | 359.8 | 359.1 | 358.5 | 357.7 | 356.9 | 356.2 | 355.4 | 355.0  | 354.7 |
| 142.5° | 372.7 | 372.1 | 371.6 | 371.0 | 370.4 | 369.5 | 368.5 | 367.6 | 366.7 | 366.2  | 366.0 |
| 145°   | 383.4 | 382.9 | 382.4 | 381.9 | 381.4 | 380.2 | 379.0 | 377.7 | 376.5 | 375.9  | 375.9 |
| 147.5° | 392.8 | 392.5 | 392.1 | 391.8 | 391.4 | 390.2 | 389.0 | 387.7 | 386.5 | 385.9  | 386.0 |
| 150°   | 401.8 | 401.4 | 400.9 | 400.5 | 400.1 | 398.9 | 397.8 | 396.6 | 395.5 | 394.9  | 395.2 |
| 152.5° | 409.9 | 409.5 | 409.0 | 408.6 | 408.2 | 407.1 | 406.0 | 404.9 | 403.8 | 403.3  | 403.6 |
| 155°   | 417.0 | 416.6 | 416.1 | 415.7 | 415.3 | 414.4 | 413.6 | 412.7 | 411.8 | 411.4  | 411.7 |
| 157.5° | 423.4 | 422.9 | 422.4 | 421.9 | 421.4 | 420.8 | 420.1 | 419.5 | 418.8 | 418.5  | 418.8 |
| 160°   | 428.6 | 428.2 | 427.7 | 427.3 | 426.9 | 426.5 | 426.0 | 425.6 | 425.1 | 424.9  | 425.1 |
| 162.5° | 433.7 | 433.2 | 432.7 | 432.2 | 431.7 | 431.3 | 431.0 | 430.6 | 430.3 | 430.1  | 430.3 |
| 165°   | 437.6 | 437.1 | 436.6 | 436.1 | 435.6 | 435.4 | 435.2 | 434.9 | 434.7 | 434.6  | 434.8 |
| 167.5° | 441.1 | 440.6 | 440.1 | 439.6 | 439.1 | 438.9 | 438.7 | 438.4 | 438.2 | 438.1  | 438.3 |
| 170°   | 443.7 | 443.2 | 442.7 | 442.2 | 441.7 | 441.5 | 441.4 | 441.2 | 441.1 | 441.0  | 441.2 |
| 172.5° | 445.6 | 445.1 | 444.6 | 444.1 | 443.6 | 443.5 | 443.3 | 443.2 | 443.1 | 443.0  | 443.2 |
| 175°   | 446.9 | 446.4 | 445.9 | 445.4 | 444.9 | 444.8 | 444.6 | 444.5 | 444.4 | 444.3  | 444.5 |
| 177.5° | 447.2 | 446.7 | 446.2 | 445.7 | 445.2 | 445.1 | 445.1 | 445.0 | 444.9 | 444.9  | 445.2 |
| 180°   | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6  | 445.6 |

TEST NUMBER: P1008454

CATALOG NUMBER: S122RDIP-B675D330UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1464.0 | 1464.0 | 1464.0 | 1464.0 |
| 2.5°   | 1437.6 | 1434.5 | 1452.8 | 1473.2 |
| 5°     | 1408.1 | 1413.1 | 1436.5 | 1465.0 |
| 7.5°   | 1377.5 | 1388.7 | 1416.2 | 1453.8 |
| 10°    | 1334.8 | 1355.2 | 1396.9 | 1435.5 |
| 12.5°  | 1293.1 | 1320.6 | 1360.2 | 1406.0 |
| 15°    | 1246.3 | 1276.8 | 1325.7 | 1380.6 |
| 17.5°  | 1194.4 | 1229.0 | 1286.0 | 1346.0 |
| 20°    | 1139.5 | 1185.3 | 1245.3 | 1310.4 |
| 22.5°  | 1078.4 | 1133.4 | 1195.4 | 1267.7 |
| 25°    | 1019.4 | 1079.4 | 1141.5 | 1224.9 |
| 27.5°  | 961.4  | 1020.4 | 1089.6 | 1174.1 |
| 30°    | 903.4  | 957.4  | 1031.6 | 1122.2 |
| 32.5°  | 841.4  | 897.3  | 975.7  | 1068.3 |
| 35°    | 784.4  | 840.4  | 913.6  | 1005.2 |
| 37.5°  | 723.4  | 783.4  | 853.6  | 948.2  |
| 40°    | 652.1  | 722.3  | 790.5  | 881.1  |
| 42.5°  | 593.1  | 667.4  | 733.5  | 819.0  |
| 45°    | 546.3  | 616.5  | 671.5  | 754.9  |
| 47.5°  | 502.6  | 559.6  | 615.5  | 692.8  |
| 50°    | 460.9  | 504.6  | 562.6  | 631.8  |
| 52.5°  | 418.1  | 455.8  | 505.6  | 570.8  |
| 55°    | 379.5  | 415.1  | 459.9  | 509.7  |
| 57.5°  | 343.9  | 369.3  | 414.1  | 458.8  |
| 60°    | 304.2  | 330.6  | 365.2  | 402.9  |
| 62.5°  | 270.6  | 291.0  | 323.5  | 355.1  |
| 65°    | 235.0  | 254.3  | 278.8  | 308.3  |
| 67.5°  | 202.5  | 219.8  | 239.1  | 262.5  |
| 70°    | 173.0  | 186.2  | 200.4  | 220.8  |
| 72.5°  | 141.4  | 155.7  | 168.9  | 185.2  |
| 75°    | 116.0  | 122.1  | 133.3  | 144.5  |
| 77.5°  | 89.5   | 97.7   | 103.8  | 112.9  |
| 80°    | 64.1   | 71.2   | 73.3   | 80.4   |
| 82.5°  | 42.7   | 46.8   | 50.9   | 52.9   |
| 85°    | 24.4   | 26.5   | 30.5   | 31.5   |
| 87.5°  | 9.2    | 10.2   | 12.2   | 14.2   |
| 90°    | 2.7    | 1.9    | 1.1    | 0.3    |
| 92.5°  | 7.2    | 7.5    | 7.8    | 8.1    |
| 95°    | 13.9   | 16.2   | 18.6   | 21.0   |
| 97.5°  | 20.1   | 26.0   | 31.8   | 37.7   |
| 100°   | 27.6   | 37.5   | 47.3   | 57.1   |
| 102.5° | 77.9   | 78.0   | 78.2   | 78.3   |
| 105°   | 104.5  | 102.3  | 100.2  | 98.0   |
| 107.5° | 126.3  | 124.5  | 122.7  | 120.9  |
| 110°   | 147.3  | 145.8  | 144.3  | 142.8  |



TEST NUMBER: P1008454

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**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 167.4 | 166.1 | 164.8 | 163.5 |
| 115°   | 189.1 | 187.8 | 186.6 | 185.4 |
| 117.5° | 208.7 | 207.2 | 205.8 | 204.4 |
| 120°   | 228.9 | 227.8 | 226.8 | 225.7 |
| 122.5° | 247.2 | 246.0 | 244.9 | 243.7 |
| 125°   | 264.9 | 264.0 | 263.0 | 262.1 |
| 127.5° | 281.9 | 280.9 | 279.9 | 278.9 |
| 130°   | 298.1 | 297.0 | 295.8 | 294.7 |
| 132.5° | 313.6 | 312.7 | 311.7 | 310.8 |
| 135°   | 327.8 | 326.6 | 325.5 | 324.3 |
| 137.5° | 341.1 | 340.2 | 339.4 | 338.5 |
| 140°   | 354.1 | 353.6 | 353.0 | 352.4 |
| 142.5° | 365.5 | 365.0 | 364.5 | 364.0 |
| 145°   | 376.0 | 376.1 | 376.1 | 376.2 |
| 147.5° | 386.2 | 386.5 | 386.7 | 386.9 |
| 150°   | 395.7 | 396.2 | 396.7 | 397.2 |
| 152.5° | 404.2 | 404.7 | 405.3 | 405.9 |
| 155°   | 412.4 | 413.0 | 413.7 | 414.3 |
| 157.5° | 419.4 | 419.9 | 420.5 | 421.1 |
| 160°   | 425.6 | 426.0 | 426.5 | 426.9 |
| 162.5° | 430.7 | 431.2 | 431.6 | 432.0 |
| 165°   | 435.2 | 435.7 | 436.1 | 436.5 |
| 167.5° | 438.8 | 439.2 | 439.7 | 440.1 |
| 170°   | 441.7 | 442.1 | 442.6 | 443.0 |
| 172.5° | 443.6 | 444.1 | 444.5 | 444.9 |
| 175°   | 445.0 | 445.5 | 446.0 | 446.5 |
| 177.5° | 445.7 | 446.2 | 446.7 | 447.2 |
| 180°   | 445.6 | 445.6 | 445.6 | 445.6 |

(END OF REPORT)