

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: P1010455

Luminaire Tested: S123DIP-B1000D805UB2750-4F0-XX-W2A-A\_3000K

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1010455  
REPORT IS A COMBINATION OF REPORTS P989269 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S123DIP-B1000D805UB2750-4F0-XX-W2A-A\_3000K  
Description: Define 3 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}  
Light Source: -  
Ballast/Driver: -

**Summary**

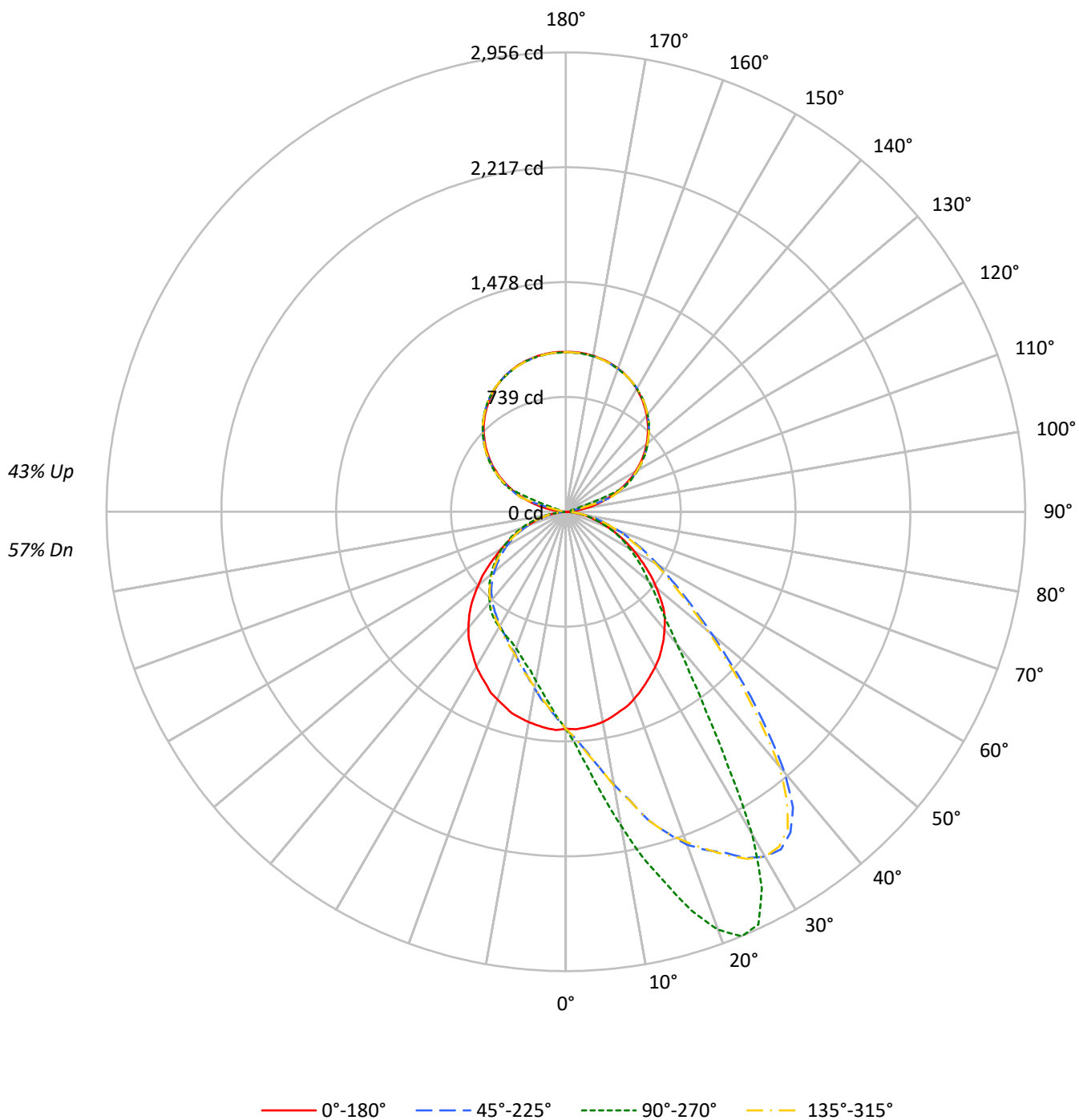
Lumens per Lamp: N/A  
Luminaire Lumens: 7349.0 lumens  
Efficiency: N/A  
Efficacy: 108.2 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 67.9  
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: P1010455

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### Luminous Intensity Polar Plot



TEST NUMBER: P1010455

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

|     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |
| RC  | 80  |     |     |     | 70  |     |     |     | 50 |    |    |    | 30 |    |    |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |
| 0   | 109 | 109 | 109 | 109 | 101 | 101 | 101 | 101 | 87 | 87 | 87 | 75 | 75 | 75 | 63 | 63 | 63 |
| 1   | 100 | 96  | 92  | 88  | 93  | 89  | 86  | 83  | 77 | 75 | 73 | 66 | 64 | 63 | 56 | 55 | 54 |
| 2   | 91  | 84  | 78  | 73  | 85  | 78  | 73  | 68  | 68 | 64 | 61 | 59 | 56 | 53 | 50 | 48 | 46 |
| 3   | 83  | 74  | 67  | 61  | 77  | 69  | 63  | 58  | 60 | 55 | 51 | 52 | 48 | 45 | 44 | 42 | 39 |
| 4   | 76  | 66  | 58  | 52  | 71  | 61  | 54  | 49  | 54 | 48 | 44 | 46 | 42 | 39 | 40 | 37 | 34 |
| 5   | 70  | 59  | 50  | 44  | 65  | 55  | 48  | 42  | 48 | 42 | 38 | 42 | 37 | 34 | 36 | 33 | 30 |
| 6   | 65  | 53  | 45  | 39  | 60  | 49  | 42  | 37  | 43 | 38 | 33 | 38 | 33 | 30 | 33 | 29 | 26 |
| 7   | 60  | 48  | 40  | 34  | 56  | 45  | 38  | 32  | 39 | 34 | 29 | 34 | 30 | 26 | 30 | 26 | 23 |
| 8   | 56  | 43  | 35  | 30  | 52  | 41  | 34  | 29  | 36 | 30 | 26 | 32 | 27 | 24 | 27 | 24 | 21 |
| 9   | 52  | 40  | 32  | 27  | 48  | 37  | 30  | 26  | 33 | 27 | 23 | 29 | 24 | 21 | 25 | 22 | 19 |
| 10  | 48  | 36  | 29  | 24  | 45  | 34  | 28  | 23  | 30 | 25 | 21 | 27 | 22 | 19 | 23 | 20 | 17 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 15029 | 15029 | 15029 | 15029 |
| 5°  | 15039 | 17316 | 15082 | 12923 |
| 10° | 14943 | 20955 | 14958 | 11285 |
| 15° | 14737 | 24851 | 14856 | 10158 |
| 20° | 14559 | 28611 | 14590 | 9348  |
| 25° | 14294 | 29332 | 14326 | 8925  |
| 30° | 14106 | 24234 | 14106 | 8647  |
| 35° | 13872 | 16208 | 13786 | 8402  |
| 40° | 13592 | 11700 | 13425 | 8027  |
| 45° | 13241 | 9267  | 12860 | 7561  |
| 50° | 12386 | 7870  | 11945 | 7103  |
| 55° | 11448 | 6916  | 10982 | 6593  |
| 60° | 10497 | 6022  | 9937  | 6056  |
| 65° | 9452  | 5156  | 8995  | 5341  |
| 70° | 8366  | 4281  | 7810  | 4503  |
| 75° | 7155  | 3228  | 6691  | 3475  |
| 80° | 5657  | 2154  | 5217  | 2283  |
| 85° | 3900  | 989   | 3122  | 900   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 24237 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 137.3  | 1.9       |
| 10°-20°   | 441.0  | 6.0       |
| 20°-30°   | 742.1  | 10.1      |
| 30°-40°   | 838.6  | 11.4      |
| 40°-50°   | 751.1  | 10.2      |
| 50°-60°   | 606.3  | 8.3       |
| 60°-70°   | 422.5  | 5.7       |
| 70°-80°   | 221.8  | 3.0       |
| 80°-90°   | 55.2   | 0.8       |
| 90°-100°  | 36.3   | 0.5       |
| 100°-110° | 175.2  | 2.4       |
| 110°-120° | 429.3  | 5.8       |
| 120°-130° | 545.1  | 7.4       |
| 130°-140° | 582.3  | 7.9       |
| 140°-150° | 544.5  | 7.4       |
| 150°-160° | 439.2  | 6.0       |
| 160°-170° | 283.4  | 3.9       |
| 170°-180° | 97.7   | 1.3       |
| 0°-30°    | 1320.4 | 18.0      |
| 0°-40°    | 2159.1 | 29.4      |
| 0°-60°    | 3516.5 | 47.9      |
| 0°-90°    | 4216.1 | 57.4      |
| 90°-120°  | 640.8  | 8.7       |
| 90°-150°  | 2312.6 | 31.5      |
| 90°-180°  | 3133.0 | 42.6      |
| 0°-180°   | 7349.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1396 | 1396 | 1396 | 1396 | 1396 |      |
| 5°   | 1395 | 1659 | 1399 | 1238 | 1395 | 132  |
| 15°  | 1331 | 2469 | 1342 | 1009 | 1331 | 376  |
| 25°  | 1218 | 2930 | 1220 | 892  | 1218 | 562  |
| 35°  | 1074 | 1579 | 1068 | 818  | 1074 | 672  |
| 45°  | 892  | 852  | 866  | 695  | 892  | 682  |
| 55°  | 632  | 579  | 606  | 552  | 632  | 566  |
| 65°  | 391  | 376  | 372  | 390  | 391  | 389  |
| 75°  | 188  | 194  | 176  | 208  | 188  | 202  |
| 85°  | 41   | 45   | 32   | 41   | 41   | 47   |
| 90°  | 1    | 23   | 1    | 23   | 1    | 5    |
| 95°  | 47   | 29   | 47   | 29   | 47   | 56   |
| 105° | 228  | 34   | 228  | 34   | 228  | 241  |
| 115° | 427  | 449  | 427  | 449  | 427  | 422  |
| 125° | 602  | 614  | 602  | 614  | 602  | 538  |
| 135° | 749  | 757  | 749  | 757  | 749  | 577  |
| 145° | 864  | 873  | 864  | 873  | 864  | 541  |
| 155° | 952  | 951  | 952  | 951  | 952  | 439  |
| 165° | 1004 | 1002 | 1004 | 1002 | 1004 | 284  |
| 175° | 1028 | 1024 | 1028 | 1024 | 1028 | 98   |
| 180° | 1028 | 1028 | 1028 | 1028 | 1028 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 |
| 2.5°   | 1400.3 | 1411.1 | 1416.5 | 1424.6 | 1432.7 | 1444.9 | 1449.0 | 1455.7 | 1453.0 | 1458.4 | 1461.2 |
| 5°     | 1394.9 | 1413.8 | 1430.0 | 1450.3 | 1469.3 | 1482.8 | 1496.3 | 1518.0 | 1534.2 | 1536.9 | 1549.1 |
| 7.5°   | 1385.4 | 1412.4 | 1440.9 | 1469.3 | 1505.8 | 1527.4 | 1551.8 | 1581.6 | 1605.9 | 1645.2 | 1660.0 |
| 10°    | 1373.2 | 1411.1 | 1451.7 | 1490.9 | 1541.0 | 1574.8 | 1604.6 | 1654.6 | 1704.7 | 1745.3 | 1783.2 |
| 12.5°  | 1354.3 | 1401.6 | 1454.4 | 1512.6 | 1577.5 | 1616.7 | 1657.3 | 1723.6 | 1799.4 | 1861.6 | 1902.2 |
| 15°    | 1331.3 | 1390.8 | 1458.4 | 1520.7 | 1592.4 | 1665.4 | 1708.7 | 1783.2 | 1891.4 | 1949.6 | 2053.7 |
| 17.5°  | 1312.3 | 1373.2 | 1440.9 | 1538.3 | 1635.7 | 1708.7 | 1739.9 | 1876.5 | 1950.9 | 2048.3 | 2166.0 |
| 20°    | 1282.6 | 1359.7 | 1446.3 | 1543.7 | 1669.5 | 1714.2 | 1777.7 | 1915.7 | 2007.7 | 2134.9 | 2279.7 |
| 22.5°  | 1251.5 | 1334.0 | 1438.2 | 1539.6 | 1680.3 | 1727.7 | 1814.3 | 1923.9 | 2070.0 | 2195.8 | 2355.4 |
| 25°    | 1217.6 | 1306.9 | 1412.4 | 1532.9 | 1670.9 | 1739.9 | 1821.0 | 1956.3 | 2114.6 | 2272.9 | 2420.4 |
| 27.5°  | 1183.8 | 1281.2 | 1390.8 | 1511.2 | 1645.2 | 1726.3 | 1807.5 | 1948.2 | 2151.1 | 2323.0 | 2511.0 |
| 30°    | 1151.3 | 1248.7 | 1358.3 | 1481.4 | 1622.2 | 1700.6 | 1777.7 | 1953.6 | 2179.6 | 2373.0 | 2562.4 |
| 32.5°  | 1116.2 | 1216.3 | 1331.3 | 1434.1 | 1576.2 | 1660.0 | 1746.6 | 1953.6 | 2197.1 | 2402.8 | 2576.0 |
| 35°    | 1074.2 | 1177.0 | 1275.8 | 1378.6 | 1519.3 | 1612.7 | 1710.1 | 1940.1 | 2213.4 | 2412.3 | 2519.1 |
| 37.5°  | 1033.6 | 1124.3 | 1209.5 | 1309.6 | 1457.1 | 1557.2 | 1669.5 | 1923.9 | 2205.3 | 2371.7 | 2401.4 |
| 40°    | 987.6  | 1078.3 | 1147.3 | 1240.6 | 1396.2 | 1512.6 | 1626.2 | 1902.2 | 2170.1 | 2275.6 | 2189.0 |
| 42.5°  | 943.0  | 1014.7 | 1074.2 | 1164.9 | 1334.0 | 1447.6 | 1570.7 | 1863.0 | 2101.1 | 2122.7 | 1927.9 |
| 45°    | 891.6  | 943.0  | 995.7  | 1098.6 | 1266.3 | 1382.7 | 1519.3 | 1806.1 | 1990.1 | 1927.9 | 1681.7 |
| 47.5°  | 825.3  | 871.3  | 929.5  | 1024.2 | 1194.6 | 1315.0 | 1444.9 | 1733.1 | 1829.1 | 1699.3 | 1430.0 |
| 50°    | 761.7  | 800.9  | 855.0  | 947.0  | 1118.9 | 1236.6 | 1374.6 | 1618.1 | 1665.4 | 1461.2 | 1232.5 |
| 52.5°  | 698.1  | 727.9  | 780.6  | 872.6  | 1044.5 | 1158.1 | 1283.9 | 1500.4 | 1473.3 | 1254.2 | 1051.2 |
| 55°    | 631.8  | 657.5  | 707.6  | 798.2  | 957.9  | 1066.1 | 1186.5 | 1355.6 | 1285.3 | 1076.9 | 914.6  |
| 57.5°  | 566.9  | 593.9  | 645.3  | 721.1  | 871.3  | 976.8  | 1072.9 | 1205.5 | 1099.9 | 933.5  | 790.1  |
| 60°    | 508.7  | 531.7  | 570.9  | 645.3  | 782.0  | 867.2  | 955.2  | 1045.8 | 957.9  | 796.9  | 687.3  |
| 62.5°  | 447.8  | 469.5  | 506.0  | 573.6  | 691.3  | 767.1  | 837.5  | 911.9  | 814.5  | 696.8  | 599.3  |
| 65°    | 391.0  | 408.6  | 442.4  | 504.6  | 600.7  | 662.9  | 719.8  | 771.2  | 692.7  | 584.5  | 511.4  |
| 67.5°  | 339.6  | 354.5  | 382.9  | 438.3  | 519.5  | 564.2  | 610.2  | 653.5  | 587.2  | 500.6  | 438.3  |
| 70°    | 284.1  | 296.3  | 322.0  | 362.6  | 427.5  | 473.5  | 507.3  | 539.8  | 480.3  | 411.3  | 369.3  |
| 72.5°  | 235.4  | 247.6  | 263.8  | 305.8  | 350.4  | 378.8  | 415.3  | 432.9  | 399.1  | 342.3  | 300.3  |
| 75°    | 188.1  | 197.5  | 212.4  | 239.5  | 281.4  | 300.3  | 323.3  | 336.9  | 305.8  | 267.9  | 242.2  |
| 77.5°  | 147.5  | 151.5  | 162.4  | 181.3  | 209.7  | 231.3  | 248.9  | 257.1  | 235.4  | 211.1  | 189.4  |
| 80°    | 104.2  | 109.6  | 117.7  | 133.9  | 155.6  | 162.4  | 173.2  | 182.6  | 169.1  | 147.5  | 133.9  |
| 82.5°  | 69.0   | 75.8   | 79.8   | 86.6   | 100.1  | 108.2  | 110.9  | 119.1  | 106.9  | 98.8   | 93.4   |
| 85°    | 40.6   | 43.3   | 44.6   | 48.7   | 55.5   | 59.5   | 63.6   | 64.9   | 62.2   | 60.9   | 55.5   |
| 87.5°  | 20.3   | 20.3   | 20.3   | 23.0   | 24.4   | 27.1   | 28.4   | 28.4   | 28.4   | 27.1   | 25.7   |
| 90°    | 0.8    | 2.5    | 4.2    | 5.9    | 7.6    | 8.4    | 9.5    | 11.7   | 13.9   | 16.1   | 18.3   |
| 92.5°  | 17.6   | 16.6   | 15.6   | 14.5   | 13.5   | 13.0   | 13.8   | 15.3   | 16.8   | 18.4   | 19.9   |
| 95°    | 46.6   | 39.6   | 32.7   | 25.7   | 18.8   | 15.3   | 16.2   | 18.1   | 20.0   | 21.8   | 23.7   |
| 97.5°  | 84.7   | 80.0   | 75.2   | 70.5   | 65.8   | 63.4   | 59.1   | 50.4   | 41.7   | 33.1   | 24.4   |
| 100°   | 129.0  | 132.4  | 135.8  | 139.2  | 142.6  | 144.3  | 131.1  | 104.6  | 78.1   | 51.7   | 25.2   |
| 102.5° | 179.4  | 181.6  | 183.8  | 186.0  | 188.2  | 189.3  | 174.5  | 145.0  | 115.5  | 86.0   | 56.5   |
| 105°   | 227.5  | 229.4  | 231.2  | 233.1  | 235.0  | 235.9  | 228.3  | 213.0  | 197.7  | 182.5  | 167.2  |
| 107.5° | 278.7  | 280.2  | 281.7  | 283.2  | 284.7  | 285.5  | 286.8  | 289.3  | 291.9  | 294.4  | 297.0  |
| 110°   | 329.8  | 331.2  | 332.5  | 333.9  | 335.2  | 335.9  | 336.8  | 338.7  | 340.6  | 342.4  | 344.3  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 378.7  | 379.9  | 381.1  | 382.2  | 383.4  | 384.0  | 384.9  | 386.8  | 388.7  | 390.5  | 392.4  |
| 115°   | 426.8  | 427.8  | 428.8  | 429.9  | 430.9  | 431.4  | 432.2  | 433.7  | 435.2  | 436.7  | 438.2  |
| 117.5° | 474.1  | 475.3  | 476.5  | 477.7  | 478.9  | 479.5  | 479.9  | 480.8  | 481.6  | 482.5  | 483.3  |
| 120°   | 517.7  | 519.2  | 520.7  | 522.2  | 523.7  | 524.5  | 524.8  | 525.3  | 525.8  | 526.3  | 526.8  |
| 122.5° | 561.9  | 563.1  | 564.3  | 565.5  | 566.7  | 567.3  | 567.6  | 568.3  | 569.0  | 569.6  | 570.3  |
| 125°   | 601.6  | 603.0  | 604.3  | 605.7  | 607.0  | 607.7  | 608.0  | 608.7  | 609.4  | 610.1  | 610.8  |
| 127.5° | 641.3  | 642.7  | 644.0  | 645.4  | 646.7  | 647.4  | 647.8  | 648.7  | 649.6  | 650.4  | 651.3  |
| 130°   | 678.0  | 679.4  | 680.7  | 682.1  | 683.4  | 684.1  | 684.4  | 685.1  | 685.8  | 686.5  | 687.2  |
| 132.5° | 713.1  | 714.5  | 715.8  | 717.2  | 718.5  | 719.2  | 719.5  | 720.0  | 720.5  | 721.0  | 721.5  |
| 135°   | 749.0  | 750.0  | 751.0  | 752.1  | 753.1  | 753.6  | 753.9  | 754.6  | 755.3  | 755.9  | 756.6  |
| 137.5° | 779.5  | 780.9  | 782.2  | 783.6  | 784.9  | 785.6  | 785.8  | 786.1  | 786.5  | 786.8  | 787.2  |
| 140°   | 810.1  | 811.1  | 812.1  | 813.2  | 814.2  | 814.7  | 814.9  | 815.4  | 815.9  | 816.4  | 816.9  |
| 142.5° | 838.3  | 839.3  | 840.3  | 841.4  | 842.4  | 842.9  | 843.2  | 843.7  | 844.2  | 844.7  | 845.2  |
| 145°   | 864.3  | 865.5  | 866.7  | 867.8  | 869.0  | 869.6  | 869.8  | 870.1  | 870.5  | 870.8  | 871.2  |
| 147.5° | 889.5  | 890.3  | 891.2  | 892.0  | 892.9  | 893.3  | 893.5  | 893.8  | 894.1  | 894.5  | 894.8  |
| 150°   | 912.4  | 912.9  | 913.4  | 913.9  | 914.4  | 914.7  | 914.9  | 915.2  | 915.5  | 915.9  | 916.2  |
| 152.5° | 933.0  | 933.2  | 933.4  | 933.5  | 933.7  | 933.8  | 933.9  | 934.0  | 934.2  | 934.3  | 934.5  |
| 155°   | 952.1  | 951.8  | 951.4  | 951.1  | 950.8  | 950.6  | 950.7  | 950.8  | 951.0  | 951.1  | 951.3  |
| 157.5° | 967.4  | 967.4  | 967.4  | 967.4  | 967.4  | 967.4  | 967.3  | 967.1  | 967.0  | 966.8  | 966.6  |
| 160°   | 981.1  | 980.9  | 980.7  | 980.6  | 980.4  | 980.3  | 980.2  | 980.1  | 979.9  | 979.8  | 979.6  |
| 162.5° | 994.1  | 993.6  | 993.1  | 992.6  | 992.1  | 991.8  | 991.7  | 991.5  | 991.4  | 991.2  | 991.0  |
| 165°   | 1004.0 | 1003.5 | 1003.0 | 1002.5 | 1002.0 | 1001.7 | 1001.6 | 1001.5 | 1001.3 | 1001.2 | 1001.0 |
| 167.5° | 1012.4 | 1011.7 | 1011.0 | 1010.3 | 1009.6 | 1009.3 | 1009.3 | 1009.3 | 1009.3 | 1009.3 | 1009.3 |
| 170°   | 1019.3 | 1018.6 | 1017.9 | 1017.2 | 1016.5 | 1016.2 | 1016.2 | 1016.2 | 1016.2 | 1016.2 | 1016.2 |
| 172.5° | 1023.9 | 1023.0 | 1022.2 | 1021.3 | 1020.4 | 1020.0 | 1020.1 | 1020.3 | 1020.4 | 1020.6 | 1020.8 |
| 175°   | 1027.7 | 1026.9 | 1026.0 | 1025.2 | 1024.3 | 1023.9 | 1024.0 | 1024.1 | 1024.3 | 1024.4 | 1024.6 |
| 177.5° | 1029.2 | 1028.4 | 1027.5 | 1026.7 | 1025.8 | 1025.4 | 1025.5 | 1025.6 | 1025.8 | 1025.9 | 1026.1 |
| 180°   | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 |

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CATALOG NUMBER: S123DIP-B1000D805UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 |
| 2.5°   | 1470.6 | 1473.3 | 1482.8 | 1489.6 | 1503.1 | 1501.7 | 1501.7 | 1500.4 | 1496.3 | 1503.1 | 1507.2 |
| 5°     | 1573.4 | 1596.4 | 1599.2 | 1628.9 | 1630.3 | 1642.4 | 1650.6 | 1643.8 | 1660.0 | 1658.7 | 1646.5 |
| 7.5°   | 1700.6 | 1731.7 | 1746.6 | 1775.0 | 1807.5 | 1799.4 | 1830.5 | 1835.9 | 1833.2 | 1846.7 | 1856.2 |
| 10°    | 1840.0 | 1894.1 | 1932.0 | 1984.7 | 1998.3 | 2006.4 | 2026.7 | 2044.3 | 2079.4 | 2052.4 | 2070.0 |
| 12.5°  | 1999.6 | 2038.9 | 2088.9 | 2172.8 | 2214.7 | 2241.8 | 2251.3 | 2263.4 | 2287.8 | 2272.9 | 2274.3 |
| 15°    | 2133.6 | 2186.3 | 2271.6 | 2375.7 | 2387.9 | 2421.7 | 2413.6 | 2486.7 | 2521.8 | 2469.1 | 2498.8 |
| 17.5°  | 2272.9 | 2343.3 | 2444.7 | 2535.4 | 2586.8 | 2609.8 | 2631.4 | 2701.8 | 2699.1 | 2691.0 | 2697.7 |
| 20°    | 2362.2 | 2477.2 | 2603.0 | 2723.4 | 2738.3 | 2755.9 | 2814.1 | 2843.8 | 2838.4 | 2861.4 | 2876.3 |
| 22.5°  | 2488.0 | 2609.8 | 2743.7 | 2823.5 | 2857.4 | 2877.7 | 2923.7 | 2942.6 | 2950.7 | 2956.1 | 2946.7 |
| 25°    | 2593.5 | 2723.4 | 2822.2 | 2892.5 | 2912.8 | 2923.7 | 2938.5 | 2944.0 | 2939.9 | 2930.4 | 2938.5 |
| 27.5°  | 2665.3 | 2769.4 | 2837.1 | 2869.5 | 2858.7 | 2841.1 | 2812.7 | 2793.8 | 2751.8 | 2731.5 | 2755.9 |
| 30°    | 2695.0 | 2741.0 | 2761.3 | 2707.2 | 2653.1 | 2609.8 | 2555.7 | 2455.6 | 2377.1 | 2400.1 | 2369.0 |
| 32.5°  | 2647.7 | 2617.9 | 2520.5 | 2381.1 | 2339.2 | 2268.8 | 2116.0 | 1998.3 | 2002.3 | 1940.1 | 1965.8 |
| 35°    | 2508.3 | 2373.0 | 2189.0 | 1978.0 | 1922.5 | 1884.6 | 1716.9 | 1691.2 | 1637.0 | 1578.9 | 1595.1 |
| 37.5°  | 2262.1 | 2064.6 | 1841.3 | 1685.7 | 1603.2 | 1520.7 | 1426.0 | 1369.2 | 1336.7 | 1312.3 | 1331.3 |
| 40°    | 1961.7 | 1720.9 | 1536.9 | 1397.6 | 1327.2 | 1274.5 | 1209.5 | 1152.7 | 1116.2 | 1112.1 | 1118.9 |
| 42.5°  | 1666.8 | 1463.9 | 1294.7 | 1162.2 | 1139.2 | 1076.9 | 1035.0 | 990.3  | 979.5  | 961.9  | 971.4  |
| 45°    | 1411.1 | 1246.0 | 1106.7 | 998.5  | 971.4  | 955.2  | 903.8  | 875.3  | 863.2  | 852.3  | 868.6  |
| 47.5°  | 1225.7 | 1052.6 | 951.1  | 886.2  | 859.1  | 832.0  | 803.6  | 784.7  | 775.2  | 776.6  | 775.2  |
| 50°    | 1047.2 | 920.0  | 830.7  | 780.6  | 764.4  | 745.5  | 722.5  | 710.3  | 706.2  | 694.0  | 703.5  |
| 52.5°  | 901.0  | 809.0  | 746.8  | 699.5  | 687.3  | 673.8  | 654.8  | 648.0  | 638.6  | 635.9  | 635.9  |
| 55°    | 783.3  | 711.6  | 661.6  | 630.5  | 615.6  | 604.8  | 593.9  | 585.8  | 579.1  | 579.1  | 579.1  |
| 57.5°  | 691.3  | 629.1  | 592.6  | 565.5  | 560.1  | 549.3  | 537.1  | 537.1  | 527.6  | 526.3  | 530.3  |
| 60°    | 612.9  | 557.4  | 529.0  | 506.0  | 497.9  | 495.2  | 483.0  | 483.0  | 480.3  | 473.5  | 478.9  |
| 62.5°  | 533.1  | 492.5  | 468.1  | 450.5  | 442.4  | 442.4  | 432.9  | 426.2  | 426.2  | 427.5  | 424.8  |
| 65°    | 460.0  | 430.2  | 408.6  | 395.1  | 391.0  | 385.6  | 384.2  | 378.8  | 374.8  | 376.1  | 374.8  |
| 67.5°  | 395.1  | 372.1  | 357.2  | 346.3  | 339.6  | 336.9  | 332.8  | 332.8  | 330.1  | 331.5  | 324.7  |
| 70°    | 336.9  | 313.9  | 301.7  | 290.9  | 288.2  | 288.2  | 282.8  | 284.1  | 281.4  | 285.5  | 282.8  |
| 72.5°  | 277.3  | 259.8  | 250.3  | 246.2  | 243.5  | 242.2  | 239.5  | 236.8  | 235.4  | 238.1  | 236.8  |
| 75°    | 224.6  | 209.7  | 202.9  | 200.2  | 197.5  | 197.5  | 196.2  | 194.8  | 193.5  | 193.5  | 193.5  |
| 77.5°  | 174.5  | 165.1  | 156.9  | 159.6  | 155.6  | 156.9  | 152.9  | 152.9  | 154.2  | 152.9  | 152.9  |
| 80°    | 128.5  | 121.8  | 121.8  | 119.1  | 113.6  | 116.4  | 116.4  | 112.3  | 110.9  | 113.6  | 109.6  |
| 82.5°  | 85.2   | 83.9   | 81.2   | 79.8   | 77.1   | 78.5   | 77.1   | 75.8   | 74.4   | 77.1   | 74.4   |
| 85°    | 50.1   | 50.1   | 48.7   | 46.0   | 48.7   | 47.4   | 46.0   | 46.0   | 44.6   | 44.6   | 44.6   |
| 87.5°  | 25.7   | 23.0   | 23.0   | 21.6   | 23.0   | 20.3   | 21.6   | 20.3   | 18.9   | 20.3   | 18.9   |
| 90°    | 19.0   | 19.7   | 20.4   | 21.1   | 21.4   | 21.6   | 21.9   | 22.2   | 22.6   | 22.9   | 22.6   |
| 92.5°  | 21.1   | 22.3   | 23.4   | 24.6   | 25.2   | 25.3   | 25.5   | 25.6   | 25.8   | 26.0   | 25.8   |
| 95°    | 24.9   | 26.1   | 27.2   | 28.4   | 29.0   | 29.0   | 29.0   | 29.0   | 29.0   | 29.0   | 29.0   |
| 97.5°  | 25.8   | 27.1   | 28.5   | 29.8   | 30.5   | 30.6   | 30.8   | 30.9   | 31.1   | 31.3   | 31.1   |
| 100°   | 26.6   | 27.9   | 29.3   | 30.6   | 31.3   | 31.4   | 31.6   | 31.7   | 31.9   | 32.1   | 31.9   |
| 102.5° | 50.9   | 45.3   | 39.7   | 34.1   | 31.3   | 31.5   | 31.8   | 32.1   | 32.5   | 32.8   | 32.5   |
| 105°   | 137.2  | 107.2  | 77.1   | 47.1   | 32.1   | 32.3   | 32.6   | 32.9   | 33.3   | 33.6   | 33.3   |
| 107.5° | 270.9  | 244.7  | 218.6  | 192.5  | 179.4  | 168.3  | 146.1  | 123.8  | 101.6  | 79.4   | 101.6  |
| 110°   | 338.7  | 333.1  | 327.5  | 321.9  | 319.1  | 307.0  | 282.7  | 258.5  | 234.2  | 210.0  | 234.2  |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 393.9  | 395.5  | 397.0  | 398.5  | 399.3  | 399.1  | 398.8  | 398.5  | 398.1  | 397.8  | 398.1  |
| 115°   | 439.9  | 441.6  | 443.3  | 445.0  | 445.9  | 446.2  | 446.9  | 447.6  | 448.2  | 448.9  | 448.2  |
| 117.5° | 484.7  | 486.0  | 487.4  | 488.7  | 489.4  | 489.5  | 489.7  | 489.8  | 490.0  | 490.2  | 490.0  |
| 120°   | 528.2  | 529.5  | 530.9  | 532.2  | 532.9  | 532.9  | 532.9  | 532.9  | 532.9  | 532.9  | 532.9  |
| 122.5° | 571.2  | 572.0  | 572.9  | 573.8  | 574.2  | 574.3  | 574.4  | 574.6  | 574.7  | 574.9  | 574.7  |
| 125°   | 611.1  | 611.5  | 611.8  | 612.1  | 612.3  | 612.5  | 612.8  | 613.2  | 613.5  | 613.9  | 613.5  |
| 127.5° | 651.8  | 652.3  | 652.8  | 653.3  | 653.6  | 653.4  | 653.1  | 652.7  | 652.4  | 652.0  | 652.4  |
| 130°   | 687.9  | 688.5  | 689.2  | 689.9  | 690.2  | 690.0  | 689.7  | 689.4  | 689.0  | 688.7  | 689.0  |
| 132.5° | 722.2  | 722.9  | 723.6  | 724.3  | 724.6  | 724.3  | 723.8  | 723.3  | 722.8  | 722.3  | 722.8  |
| 135°   | 757.1  | 757.6  | 758.1  | 758.6  | 758.9  | 758.6  | 758.1  | 757.6  | 757.1  | 756.6  | 757.1  |
| 137.5° | 788.0  | 788.9  | 789.7  | 790.6  | 791.0  | 790.8  | 790.5  | 790.2  | 789.8  | 789.5  | 789.8  |
| 140°   | 817.6  | 818.3  | 819.0  | 819.7  | 820.0  | 819.8  | 819.5  | 819.2  | 818.8  | 818.5  | 818.8  |
| 142.5° | 845.7  | 846.2  | 846.7  | 847.2  | 847.5  | 847.2  | 846.7  | 846.2  | 845.7  | 845.2  | 845.7  |
| 145°   | 871.5  | 871.9  | 872.2  | 872.5  | 872.7  | 872.7  | 872.7  | 872.7  | 872.7  | 872.7  | 872.7  |
| 147.5° | 895.2  | 895.5  | 895.9  | 896.2  | 896.4  | 896.0  | 895.1  | 894.2  | 893.4  | 892.5  | 893.4  |
| 150°   | 916.5  | 916.9  | 917.2  | 917.5  | 917.7  | 917.4  | 916.9  | 916.4  | 915.9  | 915.4  | 915.9  |
| 152.5° | 935.2  | 935.9  | 936.6  | 937.3  | 937.6  | 937.2  | 936.3  | 935.5  | 934.6  | 933.8  | 934.6  |
| 155°   | 952.1  | 953.0  | 953.8  | 954.7  | 955.1  | 954.6  | 953.6  | 952.6  | 951.6  | 950.6  | 951.6  |
| 157.5° | 967.6  | 968.6  | 969.7  | 970.7  | 971.2  | 970.5  | 969.2  | 967.8  | 966.5  | 965.1  | 966.5  |
| 160°   | 980.6  | 981.6  | 982.7  | 983.7  | 984.2  | 983.6  | 982.4  | 981.2  | 980.0  | 978.8  | 980.0  |
| 162.5° | 992.2  | 993.4  | 994.6  | 995.8  | 996.4  | 995.9  | 994.9  | 993.8  | 992.8  | 991.8  | 992.8  |
| 165°   | 1002.4 | 1003.7 | 1005.1 | 1006.4 | 1007.1 | 1006.5 | 1005.3 | 1004.1 | 1002.9 | 1001.7 | 1002.9 |
| 167.5° | 1010.7 | 1012.1 | 1013.4 | 1014.8 | 1015.5 | 1014.8 | 1013.4 | 1012.1 | 1010.7 | 1009.3 | 1010.7 |
| 170°   | 1017.6 | 1018.9 | 1020.3 | 1021.6 | 1022.3 | 1021.6 | 1020.3 | 1018.9 | 1017.6 | 1016.2 | 1017.6 |
| 172.5° | 1022.2 | 1023.5 | 1024.9 | 1026.2 | 1026.9 | 1026.1 | 1024.6 | 1023.1 | 1021.5 | 1020.0 | 1021.5 |
| 175°   | 1025.8 | 1027.0 | 1028.2 | 1029.4 | 1030.0 | 1029.3 | 1028.0 | 1026.6 | 1025.3 | 1023.9 | 1025.3 |
| 177.5° | 1027.5 | 1028.9 | 1030.2 | 1031.6 | 1032.3 | 1031.4 | 1029.7 | 1028.0 | 1026.3 | 1024.6 | 1026.3 |
| 180°   | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 |

TEST NUMBER: P1010455

CATALOG NUMBER: S123DIP-B1000D805UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 |
| 2.5°   | 1496.3 | 1500.4 | 1489.6 | 1486.9 | 1486.9 | 1492.3 | 1488.2 | 1451.7 | 1458.4 | 1450.3 | 1447.6 |
| 5°     | 1661.4 | 1653.3 | 1642.4 | 1637.0 | 1630.3 | 1611.3 | 1610.0 | 1568.0 | 1559.9 | 1532.9 | 1520.7 |
| 7.5°   | 1842.7 | 1835.9 | 1803.4 | 1799.4 | 1796.7 | 1779.1 | 1734.4 | 1689.8 | 1657.3 | 1626.2 | 1596.4 |
| 10°    | 2049.7 | 2029.4 | 2014.5 | 1984.7 | 1969.9 | 1945.5 | 1887.3 | 1845.4 | 1789.9 | 1742.6 | 1680.3 |
| 12.5°  | 2298.6 | 2275.6 | 2225.6 | 2203.9 | 2185.0 | 2117.3 | 2059.1 | 2011.8 | 1903.6 | 1871.1 | 1794.0 |
| 15°    | 2481.3 | 2432.6 | 2427.1 | 2379.8 | 2377.1 | 2302.7 | 2191.7 | 2140.3 | 2056.4 | 1937.4 | 1857.6 |
| 17.5°  | 2678.8 | 2635.5 | 2601.7 | 2544.8 | 2536.7 | 2466.4 | 2385.2 | 2259.4 | 2167.4 | 2053.7 | 1952.3 |
| 20°    | 2823.5 | 2800.5 | 2742.4 | 2719.4 | 2672.0 | 2612.5 | 2528.6 | 2373.0 | 2260.7 | 2147.1 | 2022.6 |
| 22.5°  | 2938.5 | 2915.5 | 2869.5 | 2838.4 | 2811.4 | 2734.3 | 2634.1 | 2501.6 | 2347.3 | 2198.5 | 2070.0 |
| 25°    | 2937.2 | 2930.4 | 2911.5 | 2896.6 | 2876.3 | 2819.5 | 2735.6 | 2608.4 | 2436.6 | 2272.9 | 2094.3 |
| 27.5°  | 2770.8 | 2789.7 | 2822.2 | 2838.4 | 2834.4 | 2826.3 | 2778.9 | 2672.0 | 2517.8 | 2323.0 | 2122.7 |
| 30°    | 2424.4 | 2493.4 | 2554.3 | 2635.5 | 2659.8 | 2719.4 | 2746.4 | 2685.5 | 2562.4 | 2381.1 | 2159.3 |
| 32.5°  | 2010.4 | 2110.6 | 2243.1 | 2287.8 | 2364.9 | 2479.9 | 2608.4 | 2631.4 | 2554.3 | 2415.0 | 2182.3 |
| 35°    | 1649.2 | 1731.7 | 1834.6 | 1904.9 | 1973.9 | 2160.6 | 2323.0 | 2463.7 | 2489.4 | 2397.4 | 2176.9 |
| 37.5°  | 1365.1 | 1423.3 | 1513.9 | 1573.4 | 1637.0 | 1796.7 | 2024.0 | 2206.6 | 2335.1 | 2337.8 | 2162.0 |
| 40°    | 1159.5 | 1185.2 | 1263.6 | 1306.9 | 1367.8 | 1505.8 | 1708.7 | 1946.9 | 2134.9 | 2221.5 | 2122.7 |
| 42.5°  | 982.2  | 1016.0 | 1081.0 | 1113.5 | 1152.7 | 1273.1 | 1407.0 | 1633.0 | 1865.7 | 2051.0 | 2049.7 |
| 45°    | 876.7  | 901.0  | 930.8  | 957.9  | 1002.5 | 1074.2 | 1227.1 | 1396.2 | 1619.4 | 1829.1 | 1911.7 |
| 47.5°  | 783.3  | 806.3  | 836.1  | 844.2  | 874.0  | 941.6  | 1035.0 | 1182.5 | 1390.8 | 1599.2 | 1754.7 |
| 50°    | 704.9  | 723.8  | 744.1  | 759.0  | 772.5  | 828.0  | 898.3  | 1022.8 | 1189.2 | 1390.8 | 1584.3 |
| 52.5°  | 644.0  | 657.5  | 675.1  | 683.2  | 695.4  | 736.0  | 790.1  | 882.1  | 1018.7 | 1202.7 | 1390.8 |
| 55°    | 587.2  | 596.6  | 607.5  | 621.0  | 626.4  | 656.2  | 698.1  | 776.6  | 878.0  | 1043.1 | 1221.7 |
| 57.5°  | 534.4  | 538.5  | 545.2  | 553.3  | 560.1  | 585.8  | 622.3  | 675.1  | 764.4  | 891.6  | 1060.7 |
| 60°    | 474.9  | 485.7  | 489.8  | 497.9  | 501.9  | 522.2  | 550.6  | 595.3  | 664.3  | 773.9  | 901.0  |
| 62.5°  | 424.8  | 431.6  | 438.3  | 442.4  | 451.9  | 458.6  | 481.6  | 522.2  | 579.1  | 660.2  | 775.2  |
| 65°    | 380.2  | 382.9  | 386.9  | 391.0  | 393.7  | 401.8  | 423.5  | 450.5  | 493.8  | 565.5  | 654.8  |
| 67.5°  | 328.8  | 331.5  | 336.9  | 338.2  | 340.9  | 351.8  | 363.9  | 386.9  | 423.5  | 477.6  | 550.6  |
| 70°    | 278.7  | 282.8  | 285.5  | 288.2  | 292.2  | 296.3  | 309.8  | 328.8  | 357.2  | 395.1  | 451.9  |
| 72.5°  | 235.4  | 239.5  | 239.5  | 242.2  | 240.8  | 246.2  | 259.8  | 273.3  | 292.2  | 323.3  | 373.4  |
| 75°    | 192.1  | 192.1  | 194.8  | 196.2  | 197.5  | 202.9  | 208.3  | 219.2  | 234.1  | 258.4  | 289.5  |
| 77.5°  | 151.5  | 150.2  | 152.9  | 152.9  | 152.9  | 156.9  | 162.4  | 167.8  | 177.2  | 194.8  | 219.2  |
| 80°    | 110.9  | 110.9  | 113.6  | 115.0  | 112.3  | 113.6  | 116.4  | 121.8  | 128.5  | 140.7  | 154.2  |
| 82.5°  | 73.1   | 78.5   | 77.1   | 78.5   | 77.1   | 79.8   | 81.2   | 82.5   | 85.2   | 90.6   | 100.1  |
| 85°    | 44.6   | 44.6   | 44.6   | 46.0   | 44.6   | 46.0   | 46.0   | 46.0   | 47.4   | 50.1   | 54.1   |
| 87.5°  | 18.9   | 18.9   | 18.9   | 20.3   | 18.9   | 18.9   | 20.3   | 18.9   | 20.3   | 20.3   | 21.6   |
| 90°    | 22.2   | 21.9   | 21.6   | 21.4   | 21.1   | 20.4   | 19.7   | 19.0   | 18.3   | 16.1   | 13.9   |
| 92.5°  | 25.6   | 25.5   | 25.3   | 25.2   | 24.6   | 23.4   | 22.3   | 21.1   | 19.9   | 18.4   | 16.8   |
| 95°    | 29.0   | 29.0   | 29.0   | 29.0   | 28.4   | 27.2   | 26.1   | 24.9   | 23.7   | 21.8   | 20.0   |
| 97.5°  | 30.9   | 30.8   | 30.6   | 30.5   | 29.8   | 28.5   | 27.1   | 25.8   | 24.4   | 33.1   | 41.7   |
| 100°   | 31.7   | 31.6   | 31.4   | 31.3   | 30.6   | 29.3   | 27.9   | 26.6   | 25.2   | 51.7   | 78.1   |
| 102.5° | 32.1   | 31.8   | 31.5   | 31.3   | 34.1   | 39.7   | 45.3   | 50.9   | 56.5   | 86.0   | 115.5  |
| 105°   | 32.9   | 32.6   | 32.3   | 32.1   | 47.1   | 77.1   | 107.2  | 137.2  | 167.2  | 182.5  | 197.7  |
| 107.5° | 123.8  | 146.1  | 168.3  | 179.4  | 192.5  | 218.6  | 244.7  | 270.9  | 297.0  | 294.4  | 291.9  |
| 110°   | 258.5  | 282.7  | 307.0  | 319.1  | 321.9  | 327.5  | 333.1  | 338.7  | 344.3  | 342.4  | 340.6  |



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**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 398.5  | 398.8  | 399.1  | 399.3  | 398.5  | 397.0  | 395.5  | 393.9  | 392.4  | 390.5  | 388.7  |
| 115°   | 447.6  | 446.9  | 446.2  | 445.9  | 445.0  | 443.3  | 441.6  | 439.9  | 438.2  | 436.7  | 435.2  |
| 117.5° | 489.8  | 489.7  | 489.5  | 489.4  | 488.7  | 487.4  | 486.0  | 484.7  | 483.3  | 482.5  | 481.6  |
| 120°   | 532.9  | 532.9  | 532.9  | 532.9  | 532.2  | 530.9  | 529.5  | 528.2  | 526.8  | 526.3  | 525.8  |
| 122.5° | 574.6  | 574.4  | 574.3  | 574.2  | 573.8  | 572.9  | 572.0  | 571.2  | 570.3  | 569.6  | 569.0  |
| 125°   | 613.2  | 612.8  | 612.5  | 612.3  | 612.1  | 611.8  | 611.5  | 611.1  | 610.8  | 610.1  | 609.4  |
| 127.5° | 652.7  | 653.1  | 653.4  | 653.6  | 653.3  | 652.8  | 652.3  | 651.8  | 651.3  | 650.4  | 649.6  |
| 130°   | 689.4  | 689.7  | 690.0  | 690.2  | 689.9  | 689.2  | 688.5  | 687.9  | 687.2  | 686.5  | 685.8  |
| 132.5° | 723.3  | 723.8  | 724.3  | 724.6  | 724.3  | 723.6  | 722.9  | 722.2  | 721.5  | 721.0  | 720.5  |
| 135°   | 757.6  | 758.1  | 758.6  | 758.9  | 758.6  | 758.1  | 757.6  | 757.1  | 756.6  | 755.9  | 755.3  |
| 137.5° | 790.2  | 790.5  | 790.8  | 791.0  | 790.6  | 789.7  | 788.9  | 788.0  | 787.2  | 786.8  | 786.5  |
| 140°   | 819.2  | 819.5  | 819.8  | 820.0  | 819.7  | 819.0  | 818.3  | 817.6  | 816.9  | 816.4  | 815.9  |
| 142.5° | 846.2  | 846.7  | 847.2  | 847.5  | 847.2  | 846.7  | 846.2  | 845.7  | 845.2  | 844.7  | 844.2  |
| 145°   | 872.7  | 872.7  | 872.7  | 872.7  | 872.5  | 872.2  | 871.9  | 871.5  | 871.2  | 870.8  | 870.5  |
| 147.5° | 894.2  | 895.1  | 896.0  | 896.4  | 896.2  | 895.9  | 895.5  | 895.2  | 894.8  | 894.5  | 894.1  |
| 150°   | 916.4  | 916.9  | 917.4  | 917.7  | 917.5  | 917.2  | 916.9  | 916.5  | 916.2  | 915.9  | 915.5  |
| 152.5° | 935.5  | 936.3  | 937.2  | 937.6  | 937.3  | 936.6  | 935.9  | 935.2  | 934.5  | 934.3  | 934.2  |
| 155°   | 952.6  | 953.6  | 954.6  | 955.1  | 954.7  | 953.8  | 953.0  | 952.1  | 951.3  | 951.1  | 951.0  |
| 157.5° | 967.8  | 969.2  | 970.5  | 971.2  | 970.7  | 969.7  | 968.6  | 967.6  | 966.6  | 966.8  | 967.0  |
| 160°   | 981.2  | 982.4  | 983.6  | 984.2  | 983.7  | 982.7  | 981.6  | 980.6  | 979.6  | 979.8  | 979.9  |
| 162.5° | 993.8  | 994.9  | 995.9  | 996.4  | 995.8  | 994.6  | 993.4  | 992.2  | 991.0  | 991.2  | 991.4  |
| 165°   | 1004.1 | 1005.3 | 1006.5 | 1007.1 | 1006.4 | 1005.1 | 1003.7 | 1002.4 | 1001.0 | 1001.2 | 1001.3 |
| 167.5° | 1012.1 | 1013.4 | 1014.8 | 1015.5 | 1014.8 | 1013.4 | 1012.1 | 1010.7 | 1009.3 | 1009.3 | 1009.3 |
| 170°   | 1018.9 | 1020.3 | 1021.6 | 1022.3 | 1021.6 | 1020.3 | 1018.9 | 1017.6 | 1016.2 | 1016.2 | 1016.2 |
| 172.5° | 1023.1 | 1024.6 | 1026.1 | 1026.9 | 1026.2 | 1024.9 | 1023.5 | 1022.2 | 1020.8 | 1020.6 | 1020.4 |
| 175°   | 1026.6 | 1028.0 | 1029.3 | 1030.0 | 1029.4 | 1028.2 | 1027.0 | 1025.8 | 1024.6 | 1024.4 | 1024.3 |
| 177.5° | 1028.0 | 1029.7 | 1031.4 | 1032.3 | 1031.6 | 1030.2 | 1028.9 | 1027.5 | 1026.1 | 1025.9 | 1025.8 |
| 180°   | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 |
| 2.5°   | 1434.1 | 1430.0 | 1430.0 | 1427.3 | 1419.2 | 1404.3 | 1403.0 | 1405.7 | 1397.6 | 1389.5 | 1377.3 |
| 5°     | 1504.4 | 1478.7 | 1470.6 | 1462.5 | 1446.3 | 1419.2 | 1408.4 | 1398.9 | 1384.0 | 1366.5 | 1347.5 |
| 7.5°   | 1564.0 | 1527.4 | 1516.6 | 1501.7 | 1469.3 | 1431.4 | 1407.0 | 1386.7 | 1366.5 | 1342.1 | 1319.1 |
| 10°    | 1638.4 | 1585.6 | 1559.9 | 1538.3 | 1493.6 | 1440.9 | 1404.3 | 1374.6 | 1342.1 | 1312.3 | 1282.6 |
| 12.5°  | 1722.3 | 1637.0 | 1628.9 | 1576.2 | 1524.7 | 1446.3 | 1401.6 | 1358.3 | 1315.0 | 1278.5 | 1247.4 |
| 15°    | 1792.6 | 1699.3 | 1665.4 | 1630.3 | 1531.5 | 1434.1 | 1390.8 | 1342.1 | 1292.0 | 1252.8 | 1206.8 |
| 17.5°  | 1837.3 | 1760.2 | 1688.4 | 1641.1 | 1538.3 | 1451.7 | 1367.8 | 1312.3 | 1259.6 | 1205.5 | 1167.6 |
| 20°    | 1891.4 | 1779.1 | 1716.9 | 1653.3 | 1551.8 | 1438.2 | 1354.3 | 1285.3 | 1220.3 | 1171.6 | 1125.6 |
| 22.5°  | 1945.5 | 1794.0 | 1742.6 | 1673.6 | 1554.5 | 1424.6 | 1329.9 | 1260.9 | 1186.5 | 1137.8 | 1087.7 |
| 25°    | 1940.1 | 1815.6 | 1730.4 | 1672.2 | 1527.4 | 1412.4 | 1301.5 | 1220.3 | 1151.3 | 1089.1 | 1039.0 |
| 27.5°  | 1944.1 | 1791.3 | 1704.7 | 1637.0 | 1508.5 | 1394.9 | 1271.7 | 1186.5 | 1114.8 | 1049.9 | 997.1  |
| 30°    | 1945.5 | 1754.7 | 1679.0 | 1597.8 | 1473.3 | 1352.9 | 1237.9 | 1151.3 | 1075.6 | 1005.2 | 957.9  |
| 32.5°  | 1941.4 | 1725.0 | 1630.3 | 1557.2 | 1417.9 | 1312.3 | 1198.7 | 1106.7 | 1029.6 | 964.6  | 920.0  |
| 35°    | 1932.0 | 1689.8 | 1580.2 | 1488.2 | 1361.0 | 1254.2 | 1162.2 | 1067.5 | 984.9  | 925.4  | 874.0  |
| 37.5°  | 1906.3 | 1651.9 | 1527.4 | 1436.8 | 1294.7 | 1186.5 | 1105.3 | 1026.9 | 947.0  | 876.7  | 833.4  |
| 40°    | 1887.3 | 1600.5 | 1474.7 | 1375.9 | 1223.0 | 1117.5 | 1049.9 | 975.5  | 897.0  | 833.4  | 791.5  |
| 42.5°  | 1844.0 | 1551.8 | 1420.6 | 1302.9 | 1152.7 | 1044.5 | 980.9  | 921.3  | 853.7  | 791.5  | 753.6  |
| 45°    | 1773.7 | 1499.0 | 1354.3 | 1235.2 | 1075.6 | 972.8  | 914.6  | 865.9  | 806.3  | 746.8  | 708.9  |
| 47.5°  | 1674.9 | 1423.3 | 1283.9 | 1164.9 | 999.8  | 895.6  | 837.5  | 800.9  | 753.6  | 703.5  | 671.0  |
| 50°    | 1568.0 | 1340.7 | 1212.2 | 1094.5 | 926.8  | 825.3  | 768.5  | 734.6  | 703.5  | 657.5  | 626.4  |
| 52.5°  | 1428.7 | 1252.8 | 1129.7 | 1017.4 | 848.3  | 750.9  | 700.8  | 676.5  | 644.0  | 611.5  | 584.5  |
| 55°    | 1293.4 | 1139.2 | 1037.7 | 930.8  | 771.2  | 680.5  | 631.8  | 606.1  | 587.2  | 560.1  | 538.5  |
| 57.5°  | 1136.5 | 1033.6 | 940.3  | 842.9  | 699.5  | 616.9  | 570.9  | 539.8  | 527.6  | 515.5  | 495.2  |
| 60°    | 991.7  | 913.2  | 837.5  | 756.3  | 625.0  | 550.6  | 506.0  | 481.6  | 469.5  | 461.3  | 447.8  |
| 62.5°  | 859.1  | 798.2  | 733.3  | 668.3  | 549.3  | 481.6  | 447.8  | 423.5  | 412.6  | 411.3  | 399.1  |
| 65°    | 731.9  | 688.6  | 635.9  | 572.3  | 478.9  | 419.4  | 386.9  | 372.1  | 359.9  | 359.9  | 350.4  |
| 67.5°  | 604.8  | 575.0  | 533.1  | 488.4  | 415.3  | 359.9  | 330.1  | 316.6  | 309.8  | 309.8  | 303.1  |
| 70°    | 503.3  | 483.0  | 445.1  | 405.9  | 342.3  | 300.3  | 277.3  | 265.2  | 261.1  | 262.5  | 257.1  |
| 72.5°  | 408.6  | 386.9  | 355.8  | 327.4  | 280.1  | 248.9  | 232.7  | 219.2  | 212.4  | 213.8  | 212.4  |
| 75°    | 316.6  | 305.8  | 278.7  | 257.1  | 219.2  | 197.5  | 182.6  | 175.9  | 170.5  | 171.8  | 169.1  |
| 77.5°  | 238.1  | 221.9  | 207.0  | 192.1  | 169.1  | 151.5  | 139.4  | 132.6  | 128.5  | 128.5  | 128.5  |
| 80°    | 162.4  | 159.6  | 147.5  | 139.4  | 120.4  | 106.9  | 97.4   | 96.1   | 92.0   | 92.0   | 92.0   |
| 82.5°  | 105.5  | 98.8   | 92.0   | 86.6   | 75.8   | 67.6   | 63.6   | 60.9   | 59.5   | 58.2   | 60.9   |
| 85°    | 58.2   | 54.1   | 51.4   | 46.0   | 41.9   | 37.9   | 33.8   | 32.5   | 31.1   | 32.5   | 31.1   |
| 87.5°  | 23.0   | 18.9   | 18.9   | 17.6   | 16.2   | 14.9   | 14.9   | 12.2   | 12.2   | 10.8   | 10.8   |
| 90°    | 11.7   | 9.5    | 8.4    | 7.6    | 5.9    | 4.2    | 2.5    | 0.8    | 2.5    | 4.2    | 5.9    |
| 92.5°  | 15.3   | 13.8   | 13.0   | 13.5   | 14.5   | 15.6   | 16.6   | 17.6   | 16.6   | 15.6   | 14.5   |
| 95°    | 18.1   | 16.2   | 15.3   | 18.8   | 25.7   | 32.7   | 39.6   | 46.6   | 39.6   | 32.7   | 25.7   |
| 97.5°  | 50.4   | 59.1   | 63.4   | 65.8   | 70.5   | 75.2   | 80.0   | 84.7   | 80.0   | 75.2   | 70.5   |
| 100°   | 104.6  | 131.1  | 144.3  | 142.6  | 139.2  | 135.8  | 132.4  | 129.0  | 132.4  | 135.8  | 139.2  |
| 102.5° | 145.0  | 174.5  | 189.3  | 188.2  | 186.0  | 183.8  | 181.6  | 179.4  | 181.6  | 183.8  | 186.0  |
| 105°   | 213.0  | 228.3  | 235.9  | 235.0  | 233.1  | 231.2  | 229.4  | 227.5  | 229.4  | 231.2  | 233.1  |
| 107.5° | 289.3  | 286.8  | 285.5  | 284.7  | 283.2  | 281.7  | 280.2  | 278.7  | 280.2  | 281.7  | 283.2  |
| 110°   | 338.7  | 336.8  | 335.9  | 335.2  | 333.9  | 332.5  | 331.2  | 329.8  | 331.2  | 332.5  | 333.9  |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 386.8  | 384.9  | 384.0  | 383.4  | 382.2  | 381.1  | 379.9  | 378.7  | 379.9  | 381.1  | 382.2  |
| 115°   | 433.7  | 432.2  | 431.4  | 430.9  | 429.9  | 428.8  | 427.8  | 426.8  | 427.8  | 428.8  | 429.9  |
| 117.5° | 480.8  | 479.9  | 479.5  | 478.9  | 477.7  | 476.5  | 475.3  | 474.1  | 475.3  | 476.5  | 477.7  |
| 120°   | 525.3  | 524.8  | 524.5  | 523.7  | 522.2  | 520.7  | 519.2  | 517.7  | 519.2  | 520.7  | 522.2  |
| 122.5° | 568.3  | 567.6  | 567.3  | 566.7  | 565.5  | 564.3  | 563.1  | 561.9  | 563.1  | 564.3  | 565.5  |
| 125°   | 608.7  | 608.0  | 607.7  | 607.0  | 605.7  | 604.3  | 603.0  | 601.6  | 603.0  | 604.3  | 605.7  |
| 127.5° | 648.7  | 647.8  | 647.4  | 646.7  | 645.4  | 644.0  | 642.7  | 641.3  | 642.7  | 644.0  | 645.4  |
| 130°   | 685.1  | 684.4  | 684.1  | 683.4  | 682.1  | 680.7  | 679.4  | 678.0  | 679.4  | 680.7  | 682.1  |
| 132.5° | 720.0  | 719.5  | 719.2  | 718.5  | 717.2  | 715.8  | 714.5  | 713.1  | 714.5  | 715.8  | 717.2  |
| 135°   | 754.6  | 753.9  | 753.6  | 753.1  | 752.1  | 751.0  | 750.0  | 749.0  | 750.0  | 751.0  | 752.1  |
| 137.5° | 786.1  | 785.8  | 785.6  | 784.9  | 783.6  | 782.2  | 780.9  | 779.5  | 780.9  | 782.2  | 783.6  |
| 140°   | 815.4  | 814.9  | 814.7  | 814.2  | 813.2  | 812.1  | 811.1  | 810.1  | 811.1  | 812.1  | 813.2  |
| 142.5° | 843.7  | 843.2  | 842.9  | 842.4  | 841.4  | 840.3  | 839.3  | 838.3  | 839.3  | 840.3  | 841.4  |
| 145°   | 870.1  | 869.8  | 869.6  | 869.0  | 867.8  | 866.7  | 865.5  | 864.3  | 865.5  | 866.7  | 867.8  |
| 147.5° | 893.8  | 893.5  | 893.3  | 892.9  | 892.0  | 891.2  | 890.3  | 889.5  | 890.3  | 891.2  | 892.0  |
| 150°   | 915.2  | 914.9  | 914.7  | 914.4  | 913.9  | 913.4  | 912.9  | 912.4  | 912.9  | 913.4  | 913.9  |
| 152.5° | 934.0  | 933.9  | 933.8  | 933.7  | 933.5  | 933.4  | 933.2  | 933.0  | 933.2  | 933.4  | 933.5  |
| 155°   | 950.8  | 950.7  | 950.6  | 950.8  | 951.1  | 951.4  | 951.8  | 952.1  | 951.8  | 951.4  | 951.1  |
| 157.5° | 967.1  | 967.3  | 967.4  | 967.4  | 967.4  | 967.4  | 967.4  | 967.4  | 967.4  | 967.4  | 967.4  |
| 160°   | 980.1  | 980.2  | 980.3  | 980.4  | 980.6  | 980.7  | 980.9  | 981.1  | 980.9  | 980.7  | 980.6  |
| 162.5° | 991.5  | 991.7  | 991.8  | 992.1  | 992.6  | 993.1  | 993.6  | 994.1  | 993.6  | 993.1  | 992.6  |
| 165°   | 1001.5 | 1001.6 | 1001.7 | 1002.0 | 1002.5 | 1003.0 | 1003.5 | 1004.0 | 1003.5 | 1003.0 | 1002.5 |
| 167.5° | 1009.3 | 1009.3 | 1009.3 | 1009.6 | 1010.3 | 1011.0 | 1011.7 | 1012.4 | 1011.7 | 1011.0 | 1010.3 |
| 170°   | 1016.2 | 1016.2 | 1016.2 | 1016.5 | 1017.2 | 1017.9 | 1018.6 | 1019.3 | 1018.6 | 1017.9 | 1017.2 |
| 172.5° | 1020.3 | 1020.1 | 1020.0 | 1020.4 | 1021.3 | 1022.2 | 1023.0 | 1023.9 | 1023.0 | 1022.2 | 1021.3 |
| 175°   | 1024.1 | 1024.0 | 1023.9 | 1024.3 | 1025.2 | 1026.0 | 1026.9 | 1027.7 | 1026.9 | 1026.0 | 1025.2 |
| 177.5° | 1025.6 | 1025.5 | 1025.4 | 1025.8 | 1026.7 | 1027.5 | 1028.4 | 1029.2 | 1028.4 | 1027.5 | 1026.7 |
| 180°   | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 |
| 2.5°   | 1374.6 | 1373.2 | 1375.9 | 1367.8 | 1354.3 | 1347.5 | 1328.6 | 1324.5 | 1323.2 | 1324.5 | 1325.9 |
| 5°     | 1336.7 | 1335.3 | 1331.3 | 1317.7 | 1301.5 | 1289.3 | 1266.3 | 1265.0 | 1256.9 | 1248.7 | 1252.8 |
| 7.5°   | 1300.2 | 1294.7 | 1286.6 | 1269.0 | 1247.4 | 1233.9 | 1214.9 | 1201.4 | 1190.6 | 1183.8 | 1178.4 |
| 10°    | 1263.6 | 1255.5 | 1247.4 | 1224.4 | 1197.3 | 1177.0 | 1154.0 | 1143.2 | 1131.0 | 1125.6 | 1120.2 |
| 12.5°  | 1216.3 | 1208.2 | 1193.3 | 1166.2 | 1150.0 | 1124.3 | 1101.3 | 1090.5 | 1083.7 | 1072.9 | 1066.1 |
| 15°    | 1178.4 | 1162.2 | 1154.0 | 1125.6 | 1091.8 | 1089.1 | 1047.2 | 1044.5 | 1030.9 | 1030.9 | 1020.1 |
| 17.5°  | 1135.1 | 1122.9 | 1108.0 | 1079.6 | 1055.3 | 1030.9 | 1009.3 | 1001.2 | 989.0  | 986.3  | 980.9  |
| 20°    | 1093.2 | 1076.9 | 1071.5 | 1043.1 | 1017.4 | 987.6  | 964.6  | 956.5  | 951.1  | 945.7  | 949.8  |
| 22.5°  | 1049.9 | 1036.3 | 1022.8 | 997.1  | 978.2  | 948.4  | 934.9  | 926.8  | 918.6  | 915.9  | 917.3  |
| 25°    | 1007.9 | 995.7  | 982.2  | 956.5  | 936.2  | 911.9  | 899.7  | 895.6  | 891.6  | 891.6  | 890.2  |
| 27.5°  | 967.3  | 955.2  | 943.0  | 920.0  | 899.7  | 882.1  | 872.6  | 868.6  | 864.5  | 867.2  | 869.9  |
| 30°    | 925.4  | 914.6  | 903.8  | 883.5  | 867.2  | 851.0  | 845.6  | 842.9  | 841.5  | 848.3  | 848.3  |
| 32.5°  | 887.5  | 878.0  | 869.9  | 851.0  | 834.8  | 821.2  | 817.2  | 818.5  | 819.9  | 823.9  | 826.6  |
| 35°    | 848.3  | 841.5  | 833.4  | 817.2  | 803.6  | 791.5  | 792.8  | 792.8  | 795.5  | 802.3  | 807.7  |
| 37.5°  | 813.1  | 803.6  | 796.9  | 783.3  | 772.5  | 761.7  | 765.8  | 769.8  | 772.5  | 780.6  | 783.3  |
| 40°    | 771.2  | 767.1  | 761.7  | 748.2  | 738.7  | 737.3  | 738.7  | 741.4  | 746.8  | 750.9  | 754.9  |
| 42.5°  | 737.3  | 731.9  | 725.2  | 714.3  | 706.2  | 707.6  | 708.9  | 711.6  | 714.3  | 721.1  | 725.2  |
| 45°    | 699.5  | 695.4  | 690.0  | 680.5  | 673.8  | 675.1  | 676.5  | 676.5  | 679.2  | 687.3  | 690.0  |
| 47.5°  | 657.5  | 658.9  | 652.1  | 642.6  | 638.6  | 638.6  | 638.6  | 641.3  | 648.0  | 650.8  | 652.1  |
| 50°    | 616.9  | 614.2  | 612.9  | 603.4  | 600.7  | 599.3  | 600.7  | 602.0  | 611.5  | 610.2  | 614.2  |
| 52.5°  | 573.6  | 573.6  | 572.3  | 566.9  | 562.8  | 562.8  | 560.1  | 566.9  | 569.6  | 572.3  | 576.3  |
| 55°    | 531.7  | 527.6  | 526.3  | 523.6  | 518.2  | 516.8  | 519.5  | 527.6  | 530.3  | 533.1  | 537.1  |
| 57.5°  | 485.7  | 485.7  | 483.0  | 478.9  | 478.9  | 478.9  | 478.9  | 484.3  | 488.4  | 491.1  | 499.2  |
| 60°    | 443.8  | 438.3  | 434.3  | 434.3  | 434.3  | 432.9  | 441.1  | 441.1  | 449.2  | 450.5  | 453.2  |
| 62.5°  | 393.7  | 391.0  | 388.3  | 389.6  | 388.3  | 391.0  | 393.7  | 399.1  | 400.5  | 404.5  | 408.6  |
| 65°    | 346.3  | 346.3  | 343.6  | 351.8  | 346.3  | 346.3  | 353.1  | 353.1  | 355.8  | 359.9  | 365.3  |
| 67.5°  | 300.3  | 301.7  | 299.0  | 299.0  | 301.7  | 303.1  | 304.4  | 309.8  | 311.2  | 316.6  | 323.3  |
| 70°    | 253.0  | 255.7  | 257.1  | 254.3  | 257.1  | 259.8  | 262.5  | 263.8  | 269.2  | 271.9  | 276.0  |
| 72.5°  | 211.1  | 213.8  | 209.7  | 211.1  | 212.4  | 215.1  | 216.5  | 219.2  | 221.9  | 230.0  | 232.7  |
| 75°    | 169.1  | 167.8  | 166.4  | 171.8  | 169.1  | 174.5  | 175.9  | 175.9  | 178.6  | 185.4  | 188.1  |
| 77.5°  | 129.9  | 129.9  | 131.2  | 128.5  | 132.6  | 131.2  | 132.6  | 136.6  | 140.7  | 140.7  | 151.5  |
| 80°    | 90.6   | 93.4   | 93.4   | 93.4   | 94.7   | 96.1   | 93.4   | 100.1  | 101.5  | 101.5  | 105.5  |
| 82.5°  | 58.2   | 59.5   | 58.2   | 60.9   | 60.9   | 63.6   | 62.2   | 63.6   | 66.3   | 69.0   | 70.4   |
| 85°    | 31.1   | 31.1   | 33.8   | 33.8   | 32.5   | 33.8   | 32.5   | 33.8   | 36.5   | 36.5   | 37.9   |
| 87.5°  | 10.8   | 10.8   | 10.8   | 10.8   | 12.2   | 10.8   | 12.2   | 12.2   | 10.8   | 10.8   | 14.9   |
| 90°    | 7.6    | 8.4    | 9.5    | 11.7   | 13.9   | 16.1   | 18.3   | 19.0   | 19.7   | 20.4   | 21.1   |
| 92.5°  | 13.5   | 13.0   | 13.8   | 15.3   | 16.8   | 18.4   | 19.9   | 21.1   | 22.3   | 23.4   | 24.6   |
| 95°    | 18.8   | 15.3   | 16.2   | 18.1   | 20.0   | 21.8   | 23.7   | 24.9   | 26.1   | 27.2   | 28.4   |
| 97.5°  | 65.8   | 63.4   | 59.1   | 50.4   | 41.7   | 33.1   | 24.4   | 25.8   | 27.1   | 28.5   | 29.8   |
| 100°   | 142.6  | 144.3  | 131.1  | 104.6  | 78.1   | 51.7   | 25.2   | 26.6   | 27.9   | 29.3   | 30.6   |
| 102.5° | 188.2  | 189.3  | 174.5  | 145.0  | 115.5  | 86.0   | 56.5   | 50.9   | 45.3   | 39.7   | 34.1   |
| 105°   | 235.0  | 235.9  | 228.3  | 213.0  | 197.7  | 182.5  | 167.2  | 137.2  | 107.2  | 77.1   | 47.1   |
| 107.5° | 284.7  | 285.5  | 286.8  | 289.3  | 291.9  | 294.4  | 297.0  | 270.9  | 244.7  | 218.6  | 192.5  |
| 110°   | 335.2  | 335.9  | 336.8  | 338.7  | 340.6  | 342.4  | 344.3  | 338.7  | 333.1  | 327.5  | 321.9  |

TEST NUMBER: P1010455

CATALOG NUMBER: S123DIP-B1000D805UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 383.4  | 384.0  | 384.9  | 386.8  | 388.7  | 390.5  | 392.4  | 393.9  | 395.5  | 397.0  | 398.5  |
| 115°   | 430.9  | 431.4  | 432.2  | 433.7  | 435.2  | 436.7  | 438.2  | 439.9  | 441.6  | 443.3  | 445.0  |
| 117.5° | 478.9  | 479.5  | 479.9  | 480.8  | 481.6  | 482.5  | 483.3  | 484.7  | 486.0  | 487.4  | 488.7  |
| 120°   | 523.7  | 524.5  | 524.8  | 525.3  | 525.8  | 526.3  | 526.8  | 528.2  | 529.5  | 530.9  | 532.2  |
| 122.5° | 566.7  | 567.3  | 567.6  | 568.3  | 569.0  | 569.6  | 570.3  | 571.2  | 572.0  | 572.9  | 573.8  |
| 125°   | 607.0  | 607.7  | 608.0  | 608.7  | 609.4  | 610.1  | 610.8  | 611.1  | 611.5  | 611.8  | 612.1  |
| 127.5° | 646.7  | 647.4  | 647.8  | 648.7  | 649.6  | 650.4  | 651.3  | 651.8  | 652.3  | 652.8  | 653.3  |
| 130°   | 683.4  | 684.1  | 684.4  | 685.1  | 685.8  | 686.5  | 687.2  | 687.9  | 688.5  | 689.2  | 689.9  |
| 132.5° | 718.5  | 719.2  | 719.5  | 720.0  | 720.5  | 721.0  | 721.5  | 722.2  | 722.9  | 723.6  | 724.3  |
| 135°   | 753.1  | 753.6  | 753.9  | 754.6  | 755.3  | 755.9  | 756.6  | 757.1  | 757.6  | 758.1  | 758.6  |
| 137.5° | 784.9  | 785.6  | 785.8  | 786.1  | 786.5  | 786.8  | 787.2  | 788.0  | 788.9  | 789.7  | 790.6  |
| 140°   | 814.2  | 814.7  | 814.9  | 815.4  | 815.9  | 816.4  | 816.9  | 817.6  | 818.3  | 819.0  | 819.7  |
| 142.5° | 842.4  | 842.9  | 843.2  | 843.7  | 844.2  | 844.7  | 845.2  | 845.7  | 846.2  | 846.7  | 847.2  |
| 145°   | 869.0  | 869.6  | 869.8  | 870.1  | 870.5  | 870.8  | 871.2  | 871.5  | 871.9  | 872.2  | 872.5  |
| 147.5° | 892.9  | 893.3  | 893.5  | 893.8  | 894.1  | 894.5  | 894.8  | 895.2  | 895.5  | 895.9  | 896.2  |
| 150°   | 914.4  | 914.7  | 914.9  | 915.2  | 915.5  | 915.9  | 916.2  | 916.5  | 916.9  | 917.2  | 917.5  |
| 152.5° | 933.7  | 933.8  | 933.9  | 934.0  | 934.2  | 934.3  | 934.5  | 935.2  | 935.9  | 936.6  | 937.3  |
| 155°   | 950.8  | 950.6  | 950.7  | 950.8  | 951.0  | 951.1  | 951.3  | 952.1  | 953.0  | 953.8  | 954.7  |
| 157.5° | 967.4  | 967.4  | 967.3  | 967.1  | 967.0  | 966.8  | 966.6  | 967.6  | 968.6  | 969.7  | 970.7  |
| 160°   | 980.4  | 980.3  | 980.2  | 980.1  | 979.9  | 979.8  | 979.6  | 980.6  | 981.6  | 982.7  | 983.7  |
| 162.5° | 992.1  | 991.8  | 991.7  | 991.5  | 991.4  | 991.2  | 991.0  | 992.2  | 993.4  | 994.6  | 995.8  |
| 165°   | 1002.0 | 1001.7 | 1001.6 | 1001.5 | 1001.3 | 1001.2 | 1001.0 | 1002.4 | 1003.7 | 1005.1 | 1006.4 |
| 167.5° | 1009.6 | 1009.3 | 1009.3 | 1009.3 | 1009.3 | 1009.3 | 1009.3 | 1010.7 | 1012.1 | 1013.4 | 1014.8 |
| 170°   | 1016.5 | 1016.2 | 1016.2 | 1016.2 | 1016.2 | 1016.2 | 1016.2 | 1017.6 | 1018.9 | 1020.3 | 1021.6 |
| 172.5° | 1020.4 | 1020.0 | 1020.1 | 1020.3 | 1020.4 | 1020.6 | 1020.8 | 1022.2 | 1023.5 | 1024.9 | 1026.2 |
| 175°   | 1024.3 | 1023.9 | 1024.0 | 1024.1 | 1024.3 | 1024.4 | 1024.6 | 1025.8 | 1027.0 | 1028.2 | 1029.4 |
| 177.5° | 1025.8 | 1025.4 | 1025.5 | 1025.6 | 1025.8 | 1025.9 | 1026.1 | 1027.5 | 1028.9 | 1030.2 | 1031.6 |
| 180°   | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 |

TEST NUMBER: P1010455

CATALOG NUMBER: S123DIP-B1000D805UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 |
| 2.5°   | 1324.5 | 1325.9 | 1320.5 | 1316.4 | 1327.2 | 1320.5 | 1320.5 | 1321.8 | 1319.1 | 1323.2 | 1321.8 |
| 5°     | 1250.1 | 1251.5 | 1242.0 | 1244.7 | 1239.3 | 1237.9 | 1236.6 | 1244.7 | 1243.3 | 1242.0 | 1244.7 |
| 7.5°   | 1177.0 | 1177.0 | 1173.0 | 1170.3 | 1170.3 | 1166.2 | 1171.6 | 1170.3 | 1173.0 | 1173.0 | 1177.0 |
| 10°    | 1116.2 | 1118.9 | 1112.1 | 1105.3 | 1104.0 | 1105.3 | 1105.3 | 1106.7 | 1108.0 | 1117.5 | 1116.2 |
| 12.5°  | 1066.1 | 1062.0 | 1060.7 | 1056.6 | 1049.9 | 1047.2 | 1044.5 | 1059.3 | 1055.3 | 1055.3 | 1055.3 |
| 15°    | 1010.6 | 1020.1 | 1018.7 | 1006.6 | 1003.9 | 1009.3 | 1006.6 | 1006.6 | 1020.1 | 1018.7 | 1017.4 |
| 17.5°  | 980.9  | 978.2  | 975.5  | 968.7  | 970.0  | 968.7  | 970.0  | 970.0  | 978.2  | 978.2  | 978.2  |
| 20°    | 947.0  | 941.6  | 941.6  | 938.9  | 938.9  | 934.9  | 940.3  | 941.6  | 947.0  | 947.0  | 948.4  |
| 22.5°  | 917.3  | 913.2  | 913.2  | 911.9  | 914.6  | 909.2  | 914.6  | 915.9  | 915.9  | 920.0  | 920.0  |
| 25°    | 891.6  | 888.9  | 888.9  | 891.6  | 891.6  | 891.6  | 891.6  | 897.0  | 892.9  | 894.3  | 892.9  |
| 27.5°  | 868.6  | 869.9  | 871.3  | 872.6  | 871.3  | 872.6  | 874.0  | 876.7  | 878.0  | 876.7  | 874.0  |
| 30°    | 846.9  | 851.0  | 852.3  | 852.3  | 855.0  | 856.4  | 857.8  | 857.8  | 859.1  | 855.0  | 857.8  |
| 32.5°  | 830.7  | 830.7  | 833.4  | 834.8  | 837.5  | 838.8  | 838.8  | 841.5  | 840.2  | 836.1  | 837.5  |
| 35°    | 807.7  | 807.7  | 813.1  | 815.8  | 819.9  | 818.5  | 819.9  | 819.9  | 821.2  | 818.5  | 814.5  |
| 37.5°  | 784.7  | 787.4  | 787.4  | 792.8  | 794.2  | 795.5  | 794.2  | 796.9  | 795.5  | 792.8  | 791.5  |
| 40°    | 757.6  | 756.3  | 757.6  | 761.7  | 763.0  | 763.0  | 763.0  | 765.8  | 765.8  | 765.8  | 764.4  |
| 42.5°  | 723.8  | 727.9  | 726.5  | 730.6  | 729.2  | 729.2  | 731.9  | 734.6  | 736.0  | 731.9  | 733.3  |
| 45°    | 691.3  | 691.3  | 694.0  | 694.0  | 695.4  | 695.4  | 700.8  | 698.1  | 700.8  | 698.1  | 699.5  |
| 47.5°  | 656.2  | 657.5  | 657.5  | 658.9  | 661.6  | 664.3  | 661.6  | 662.9  | 662.9  | 664.3  | 661.6  |
| 50°    | 616.9  | 616.9  | 619.6  | 623.7  | 629.1  | 626.4  | 625.0  | 630.5  | 626.4  | 626.4  | 623.7  |
| 52.5°  | 576.3  | 580.4  | 581.8  | 585.8  | 589.9  | 591.2  | 592.6  | 589.9  | 591.2  | 587.2  | 588.5  |
| 55°    | 537.1  | 538.5  | 543.9  | 547.9  | 552.0  | 552.0  | 550.6  | 552.0  | 553.3  | 547.9  | 547.9  |
| 57.5°  | 497.9  | 501.9  | 507.3  | 507.3  | 512.8  | 512.8  | 511.4  | 511.4  | 512.8  | 508.7  | 507.3  |
| 60°    | 455.9  | 460.0  | 466.8  | 466.8  | 474.9  | 476.2  | 473.5  | 470.8  | 470.8  | 466.8  | 468.1  |
| 62.5°  | 411.3  | 415.3  | 419.4  | 426.2  | 431.6  | 428.9  | 434.3  | 428.9  | 430.2  | 422.1  | 422.1  |
| 65°    | 372.1  | 373.4  | 380.2  | 386.9  | 386.9  | 389.6  | 386.9  | 388.3  | 384.2  | 384.2  | 378.8  |
| 67.5°  | 326.1  | 326.1  | 332.8  | 339.6  | 346.3  | 346.3  | 346.3  | 342.3  | 342.3  | 338.2  | 338.2  |
| 70°    | 285.5  | 284.1  | 290.9  | 294.9  | 299.0  | 300.3  | 297.6  | 296.3  | 293.6  | 289.5  | 288.2  |
| 72.5°  | 235.4  | 238.1  | 244.9  | 247.6  | 254.3  | 253.0  | 259.8  | 251.6  | 251.6  | 244.9  | 243.5  |
| 75°    | 190.8  | 193.5  | 200.2  | 204.3  | 208.3  | 208.3  | 212.4  | 208.3  | 202.9  | 200.2  | 198.9  |
| 77.5°  | 151.5  | 150.2  | 155.6  | 162.4  | 163.7  | 162.4  | 165.1  | 163.7  | 158.3  | 158.3  | 155.6  |
| 80°    | 108.2  | 112.3  | 117.7  | 116.4  | 121.8  | 120.4  | 120.4  | 117.7  | 117.7  | 113.6  | 116.4  |
| 82.5°  | 71.7   | 75.8   | 77.1   | 75.8   | 77.1   | 79.8   | 81.2   | 79.8   | 79.8   | 77.1   | 78.5   |
| 85°    | 37.9   | 37.9   | 40.6   | 41.9   | 40.6   | 40.6   | 41.9   | 46.0   | 43.3   | 40.6   | 43.3   |
| 87.5°  | 12.2   | 10.8   | 10.8   | 12.2   | 10.8   | 10.8   | 12.2   | 12.2   | 13.5   | 13.5   | 13.5   |
| 90°    | 21.4   | 21.6   | 21.9   | 22.2   | 22.6   | 22.9   | 22.6   | 22.2   | 21.9   | 21.6   | 21.4   |
| 92.5°  | 25.2   | 25.3   | 25.5   | 25.6   | 25.8   | 26.0   | 25.8   | 25.6   | 25.5   | 25.3   | 25.2   |
| 95°    | 29.0   | 29.0   | 29.0   | 29.0   | 29.0   | 29.0   | 29.0   | 29.0   | 29.0   | 29.0   | 29.0   |
| 97.5°  | 30.5   | 30.6   | 30.8   | 30.9   | 31.1   | 31.3   | 31.1   | 30.9   | 30.8   | 30.6   | 30.5   |
| 100°   | 31.3   | 31.4   | 31.6   | 31.7   | 31.9   | 32.1   | 31.9   | 31.7   | 31.6   | 31.4   | 31.3   |
| 102.5° | 31.3   | 31.5   | 31.8   | 32.1   | 32.5   | 32.8   | 32.5   | 32.1   | 31.8   | 31.5   | 31.3   |
| 105°   | 32.1   | 32.3   | 32.6   | 32.9   | 33.3   | 33.6   | 33.3   | 32.9   | 32.6   | 32.3   | 32.1   |
| 107.5° | 179.4  | 168.3  | 146.1  | 123.8  | 101.6  | 79.4   | 101.6  | 123.8  | 146.1  | 168.3  | 179.4  |
| 110°   | 319.1  | 307.0  | 282.7  | 258.5  | 234.2  | 210.0  | 234.2  | 258.5  | 282.7  | 307.0  | 319.1  |

TEST NUMBER: P1010455

CATALOG NUMBER: S123DIP-B1000D805UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 399.3  | 399.1  | 398.8  | 398.5  | 398.1  | 397.8  | 398.1  | 398.5  | 398.8  | 399.1  | 399.3  |
| 115°   | 445.9  | 446.2  | 446.9  | 447.6  | 448.2  | 448.9  | 448.2  | 447.6  | 446.9  | 446.2  | 445.9  |
| 117.5° | 489.4  | 489.5  | 489.7  | 489.8  | 490.0  | 490.2  | 490.0  | 489.8  | 489.7  | 489.5  | 489.4  |
| 120°   | 532.9  | 532.9  | 532.9  | 532.9  | 532.9  | 532.9  | 532.9  | 532.9  | 532.9  | 532.9  | 532.9  |
| 122.5° | 574.2  | 574.3  | 574.4  | 574.6  | 574.7  | 574.9  | 574.7  | 574.6  | 574.4  | 574.3  | 574.2  |
| 125°   | 612.3  | 612.5  | 612.8  | 613.2  | 613.5  | 613.9  | 613.5  | 613.2  | 612.8  | 612.5  | 612.3  |
| 127.5° | 653.6  | 653.4  | 653.1  | 652.7  | 652.4  | 652.0  | 652.4  | 652.7  | 653.1  | 653.4  | 653.6  |
| 130°   | 690.2  | 690.0  | 689.7  | 689.4  | 689.0  | 688.7  | 689.0  | 689.4  | 689.7  | 690.0  | 690.2  |
| 132.5° | 724.6  | 724.3  | 723.8  | 723.3  | 722.8  | 722.3  | 722.8  | 723.3  | 723.8  | 724.3  | 724.6  |
| 135°   | 758.9  | 758.6  | 758.1  | 757.6  | 757.1  | 756.6  | 757.1  | 757.6  | 758.1  | 758.6  | 758.9  |
| 137.5° | 791.0  | 790.8  | 790.5  | 790.2  | 789.8  | 789.5  | 789.8  | 790.2  | 790.5  | 790.8  | 791.0  |
| 140°   | 820.0  | 819.8  | 819.5  | 819.2  | 818.8  | 818.5  | 818.8  | 819.2  | 819.5  | 819.8  | 820.0  |
| 142.5° | 847.5  | 847.2  | 846.7  | 846.2  | 845.7  | 845.2  | 845.7  | 846.2  | 846.7  | 847.2  | 847.5  |
| 145°   | 872.7  | 872.7  | 872.7  | 872.7  | 872.7  | 872.7  | 872.7  | 872.7  | 872.7  | 872.7  | 872.7  |
| 147.5° | 896.4  | 896.0  | 895.1  | 894.2  | 893.4  | 892.5  | 893.4  | 894.2  | 895.1  | 896.0  | 896.4  |
| 150°   | 917.7  | 917.4  | 916.9  | 916.4  | 915.9  | 915.4  | 915.9  | 916.4  | 916.9  | 917.4  | 917.7  |
| 152.5° | 937.6  | 937.2  | 936.3  | 935.5  | 934.6  | 933.8  | 934.6  | 935.5  | 936.3  | 937.2  | 937.6  |
| 155°   | 955.1  | 954.6  | 953.6  | 952.6  | 951.6  | 950.6  | 951.6  | 952.6  | 953.6  | 954.6  | 955.1  |
| 157.5° | 971.2  | 970.5  | 969.2  | 967.8  | 966.5  | 965.1  | 966.5  | 967.8  | 969.2  | 970.5  | 971.2  |
| 160°   | 984.2  | 983.6  | 982.4  | 981.2  | 980.0  | 978.8  | 980.0  | 981.2  | 982.4  | 983.6  | 984.2  |
| 162.5° | 996.4  | 995.9  | 994.9  | 993.8  | 992.8  | 991.8  | 992.8  | 993.8  | 994.9  | 995.9  | 996.4  |
| 165°   | 1007.1 | 1006.5 | 1005.3 | 1004.1 | 1002.9 | 1001.7 | 1002.9 | 1004.1 | 1005.3 | 1006.5 | 1007.1 |
| 167.5° | 1015.5 | 1014.8 | 1013.4 | 1012.1 | 1010.7 | 1009.3 | 1010.7 | 1012.1 | 1013.4 | 1014.8 | 1015.5 |
| 170°   | 1022.3 | 1021.6 | 1020.3 | 1018.9 | 1017.6 | 1016.2 | 1017.6 | 1018.9 | 1020.3 | 1021.6 | 1022.3 |
| 172.5° | 1026.9 | 1026.1 | 1024.6 | 1023.1 | 1021.5 | 1020.0 | 1021.5 | 1023.1 | 1024.6 | 1026.1 | 1026.9 |
| 175°   | 1030.0 | 1029.3 | 1028.0 | 1026.6 | 1025.3 | 1023.9 | 1025.3 | 1026.6 | 1028.0 | 1029.3 | 1030.0 |
| 177.5° | 1032.3 | 1031.4 | 1029.7 | 1028.0 | 1026.3 | 1024.6 | 1026.3 | 1028.0 | 1029.7 | 1031.4 | 1032.3 |
| 180°   | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 |

TEST NUMBER: P1010455

CATALOG NUMBER: S123DIP-B1000D805UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 | 1396.2 |
| 2.5°   | 1325.9 | 1328.6 | 1329.9 | 1324.5 | 1320.5 | 1327.2 | 1336.7 | 1343.5 | 1348.9 | 1355.6 | 1359.7 |
| 5°     | 1247.4 | 1256.9 | 1256.9 | 1259.6 | 1263.6 | 1270.4 | 1288.0 | 1300.2 | 1311.0 | 1319.1 | 1325.9 |
| 7.5°   | 1181.1 | 1187.9 | 1191.9 | 1198.7 | 1205.5 | 1214.9 | 1235.2 | 1252.8 | 1269.0 | 1278.5 | 1289.3 |
| 10°    | 1121.6 | 1127.0 | 1133.7 | 1137.8 | 1150.0 | 1163.5 | 1189.2 | 1204.1 | 1223.0 | 1237.9 | 1251.5 |
| 12.5°  | 1064.7 | 1083.7 | 1087.7 | 1086.4 | 1097.2 | 1112.1 | 1137.8 | 1160.8 | 1181.1 | 1196.0 | 1210.9 |
| 15°    | 1024.2 | 1030.9 | 1039.0 | 1037.7 | 1060.7 | 1064.7 | 1086.4 | 1113.5 | 1140.5 | 1150.0 | 1163.5 |
| 17.5°  | 979.5  | 990.3  | 998.5  | 1002.5 | 1009.3 | 1024.2 | 1044.5 | 1064.7 | 1099.9 | 1101.3 | 1136.5 |
| 20°    | 944.3  | 955.2  | 960.6  | 966.0  | 970.0  | 987.6  | 1005.2 | 1028.2 | 1056.6 | 1071.5 | 1090.5 |
| 22.5°  | 921.3  | 926.8  | 930.8  | 934.9  | 940.3  | 949.8  | 971.4  | 997.1  | 1016.0 | 1032.3 | 1044.5 |
| 25°    | 894.3  | 899.7  | 905.1  | 907.8  | 911.9  | 917.3  | 933.5  | 953.8  | 980.9  | 991.7  | 1003.9 |
| 27.5°  | 875.3  | 875.3  | 878.0  | 878.0  | 883.5  | 888.9  | 901.0  | 920.0  | 941.6  | 955.2  | 971.4  |
| 30°    | 855.0  | 853.7  | 855.0  | 853.7  | 852.3  | 860.5  | 871.3  | 887.5  | 902.4  | 918.6  | 929.5  |
| 32.5°  | 834.8  | 833.4  | 833.4  | 834.8  | 829.3  | 833.4  | 838.8  | 853.7  | 869.9  | 878.0  | 890.2  |
| 35°    | 813.1  | 810.4  | 810.4  | 810.4  | 807.7  | 805.0  | 810.4  | 823.9  | 834.8  | 845.6  | 855.0  |
| 37.5°  | 791.5  | 787.4  | 787.4  | 784.7  | 782.0  | 777.9  | 777.9  | 788.8  | 803.6  | 807.7  | 819.9  |
| 40°    | 761.7  | 761.7  | 759.0  | 757.6  | 754.9  | 752.2  | 748.2  | 757.6  | 771.2  | 775.2  | 784.7  |
| 42.5°  | 731.9  | 727.9  | 726.5  | 726.5  | 726.5  | 722.5  | 719.8  | 726.5  | 734.6  | 741.4  | 746.8  |
| 45°    | 698.1  | 695.4  | 696.8  | 695.4  | 692.7  | 691.3  | 690.0  | 692.7  | 702.2  | 704.9  | 711.6  |
| 47.5°  | 661.6  | 660.2  | 660.2  | 658.9  | 657.5  | 658.9  | 653.5  | 660.2  | 662.9  | 665.6  | 671.0  |
| 50°    | 623.7  | 622.3  | 621.0  | 619.6  | 619.6  | 621.0  | 619.6  | 619.6  | 625.0  | 627.8  | 633.2  |
| 52.5°  | 585.8  | 581.8  | 581.8  | 580.4  | 580.4  | 577.7  | 580.4  | 581.8  | 584.5  | 587.2  | 589.9  |
| 55°    | 545.2  | 545.2  | 541.2  | 541.2  | 538.5  | 538.5  | 539.8  | 538.5  | 543.9  | 546.6  | 546.6  |
| 57.5°  | 506.0  | 500.6  | 501.9  | 499.2  | 496.5  | 495.2  | 495.2  | 497.9  | 500.6  | 500.6  | 503.3  |
| 60°    | 464.1  | 458.6  | 457.3  | 451.9  | 454.6  | 450.5  | 451.9  | 451.9  | 457.3  | 454.6  | 457.3  |
| 62.5°  | 422.1  | 415.3  | 411.3  | 408.6  | 408.6  | 409.9  | 407.2  | 405.9  | 408.6  | 411.3  | 416.7  |
| 65°    | 377.5  | 373.4  | 369.3  | 365.3  | 365.3  | 363.9  | 366.6  | 362.6  | 361.2  | 362.6  | 365.3  |
| 67.5°  | 331.5  | 327.4  | 323.3  | 319.3  | 320.6  | 316.6  | 313.9  | 317.9  | 315.2  | 316.6  | 319.3  |
| 70°    | 286.8  | 284.1  | 276.0  | 273.3  | 271.9  | 273.3  | 271.9  | 269.2  | 273.3  | 271.9  | 273.3  |
| 72.5°  | 242.2  | 239.5  | 235.4  | 228.6  | 228.6  | 227.3  | 225.9  | 225.9  | 224.6  | 224.6  | 224.6  |
| 75°    | 198.9  | 193.5  | 189.4  | 188.1  | 185.4  | 184.0  | 182.6  | 179.9  | 181.3  | 182.6  | 179.9  |
| 77.5°  | 154.2  | 147.5  | 146.1  | 146.1  | 142.1  | 142.1  | 143.4  | 142.1  | 140.7  | 140.7  | 140.7  |
| 80°    | 113.6  | 108.2  | 108.2  | 105.5  | 102.8  | 102.8  | 102.8  | 102.8  | 101.5  | 100.1  | 101.5  |
| 82.5°  | 73.1   | 71.7   | 70.4   | 70.4   | 73.1   | 67.6   | 70.4   | 69.0   | 67.6   | 67.6   | 66.3   |
| 85°    | 40.6   | 41.9   | 40.6   | 41.9   | 39.2   | 40.6   | 40.6   | 40.6   | 39.2   | 40.6   | 37.9   |
| 87.5°  | 14.9   | 14.9   | 14.9   | 16.2   | 16.2   | 16.2   | 16.2   | 16.2   | 17.6   | 16.2   | 16.2   |
| 90°    | 21.1   | 20.4   | 19.7   | 19.0   | 18.3   | 16.1   | 13.9   | 11.7   | 9.5    | 8.4    | 7.6    |
| 92.5°  | 24.6   | 23.4   | 22.3   | 21.1   | 19.9   | 18.4   | 16.8   | 15.3   | 13.8   | 13.0   | 13.5   |
| 95°    | 28.4   | 27.2   | 26.1   | 24.9   | 23.7   | 21.8   | 20.0   | 18.1   | 16.2   | 15.3   | 18.8   |
| 97.5°  | 29.8   | 28.5   | 27.1   | 25.8   | 24.4   | 33.1   | 41.7   | 50.4   | 59.1   | 63.4   | 65.8   |
| 100°   | 30.6   | 29.3   | 27.9   | 26.6   | 25.2   | 51.7   | 78.1   | 104.6  | 131.1  | 144.3  | 142.6  |
| 102.5° | 34.1   | 39.7   | 45.3   | 50.9   | 56.5   | 86.0   | 115.5  | 145.0  | 174.5  | 189.3  | 188.2  |
| 105°   | 47.1   | 77.1   | 107.2  | 137.2  | 167.2  | 182.5  | 197.7  | 213.0  | 228.3  | 235.9  | 235.0  |
| 107.5° | 192.5  | 218.6  | 244.7  | 270.9  | 297.0  | 294.4  | 291.9  | 289.3  | 286.8  | 285.5  | 284.7  |
| 110°   | 321.9  | 327.5  | 333.1  | 338.7  | 344.3  | 342.4  | 340.6  | 338.7  | 336.8  | 335.9  | 335.2  |

TEST NUMBER: P1010455

CATALOG NUMBER: S123DIP-B1000D805UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 398.5  | 397.0  | 395.5  | 393.9  | 392.4  | 390.5  | 388.7  | 386.8  | 384.9  | 384.0  | 383.4  |
| 115°   | 445.0  | 443.3  | 441.6  | 439.9  | 438.2  | 436.7  | 435.2  | 433.7  | 432.2  | 431.4  | 430.9  |
| 117.5° | 488.7  | 487.4  | 486.0  | 484.7  | 483.3  | 482.5  | 481.6  | 480.8  | 479.9  | 479.5  | 478.9  |
| 120°   | 532.2  | 530.9  | 529.5  | 528.2  | 526.8  | 526.3  | 525.8  | 525.3  | 524.8  | 524.5  | 523.7  |
| 122.5° | 573.8  | 572.9  | 572.0  | 571.2  | 570.3  | 569.6  | 569.0  | 568.3  | 567.6  | 567.3  | 566.7  |
| 125°   | 612.1  | 611.8  | 611.5  | 611.1  | 610.8  | 610.1  | 609.4  | 608.7  | 608.0  | 607.7  | 607.0  |
| 127.5° | 653.3  | 652.8  | 652.3  | 651.8  | 651.3  | 650.4  | 649.6  | 648.7  | 647.8  | 647.4  | 646.7  |
| 130°   | 689.9  | 689.2  | 688.5  | 687.9  | 687.2  | 686.5  | 685.8  | 685.1  | 684.4  | 684.1  | 683.4  |
| 132.5° | 724.3  | 723.6  | 722.9  | 722.2  | 721.5  | 721.0  | 720.5  | 720.0  | 719.5  | 719.2  | 718.5  |
| 135°   | 758.6  | 758.1  | 757.6  | 757.1  | 756.6  | 755.9  | 755.3  | 754.6  | 753.9  | 753.6  | 753.1  |
| 137.5° | 790.6  | 789.7  | 788.9  | 788.0  | 787.2  | 786.8  | 786.5  | 786.1  | 785.8  | 785.6  | 784.9  |
| 140°   | 819.7  | 819.0  | 818.3  | 817.6  | 816.9  | 816.4  | 815.9  | 815.4  | 814.9  | 814.7  | 814.2  |
| 142.5° | 847.2  | 846.7  | 846.2  | 845.7  | 845.2  | 844.7  | 844.2  | 843.7  | 843.2  | 842.9  | 842.4  |
| 145°   | 872.5  | 872.2  | 871.9  | 871.5  | 871.2  | 870.8  | 870.5  | 870.1  | 869.8  | 869.6  | 869.0  |
| 147.5° | 896.2  | 895.9  | 895.5  | 895.2  | 894.8  | 894.5  | 894.1  | 893.8  | 893.5  | 893.3  | 892.9  |
| 150°   | 917.5  | 917.2  | 916.9  | 916.5  | 916.2  | 915.9  | 915.5  | 915.2  | 914.9  | 914.7  | 914.4  |
| 152.5° | 937.3  | 936.6  | 935.9  | 935.2  | 934.5  | 934.3  | 934.2  | 934.0  | 933.9  | 933.8  | 933.7  |
| 155°   | 954.7  | 953.8  | 953.0  | 952.1  | 951.3  | 951.1  | 951.0  | 950.8  | 950.7  | 950.6  | 950.8  |
| 157.5° | 970.7  | 969.7  | 968.6  | 967.6  | 966.6  | 966.8  | 967.0  | 967.1  | 967.3  | 967.4  | 967.4  |
| 160°   | 983.7  | 982.7  | 981.6  | 980.6  | 979.6  | 979.8  | 979.9  | 980.1  | 980.2  | 980.3  | 980.4  |
| 162.5° | 995.8  | 994.6  | 993.4  | 992.2  | 991.0  | 991.2  | 991.4  | 991.5  | 991.7  | 991.8  | 992.1  |
| 165°   | 1006.4 | 1005.1 | 1003.7 | 1002.4 | 1001.0 | 1001.2 | 1001.3 | 1001.5 | 1001.6 | 1001.7 | 1002.0 |
| 167.5° | 1014.8 | 1013.4 | 1012.1 | 1010.7 | 1009.3 | 1009.3 | 1009.3 | 1009.3 | 1009.3 | 1009.3 | 1009.6 |
| 170°   | 1021.6 | 1020.3 | 1018.9 | 1017.6 | 1016.2 | 1016.2 | 1016.2 | 1016.2 | 1016.2 | 1016.2 | 1016.5 |
| 172.5° | 1026.2 | 1024.9 | 1023.5 | 1022.2 | 1020.8 | 1020.6 | 1020.4 | 1020.3 | 1020.1 | 1020.0 | 1020.4 |
| 175°   | 1029.4 | 1028.2 | 1027.0 | 1025.8 | 1024.6 | 1024.4 | 1024.3 | 1024.1 | 1024.0 | 1023.9 | 1024.3 |
| 177.5° | 1031.6 | 1030.2 | 1028.9 | 1027.5 | 1026.1 | 1025.9 | 1025.8 | 1025.6 | 1025.5 | 1025.4 | 1025.8 |
| 180°   | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 | 1027.7 |

TEST NUMBER: P1010455

CATALOG NUMBER: S123DIP-B1000D805UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1396.2 | 1396.2 | 1396.2 | 1396.2 |
| 2.5°   | 1366.5 | 1370.5 | 1384.0 | 1400.3 |
| 5°     | 1339.4 | 1350.2 | 1369.2 | 1394.9 |
| 7.5°   | 1309.6 | 1325.9 | 1352.9 | 1385.4 |
| 10°    | 1275.8 | 1298.8 | 1332.6 | 1373.2 |
| 12.5°  | 1239.3 | 1269.0 | 1312.3 | 1354.3 |
| 15°    | 1216.3 | 1246.0 | 1285.3 | 1331.3 |
| 17.5°  | 1171.6 | 1206.8 | 1247.4 | 1312.3 |
| 20°    | 1125.6 | 1164.9 | 1217.6 | 1282.6 |
| 22.5°  | 1090.5 | 1132.4 | 1182.5 | 1251.5 |
| 25°    | 1048.5 | 1091.8 | 1145.9 | 1217.6 |
| 27.5°  | 1003.9 | 1047.2 | 1108.0 | 1183.8 |
| 30°    | 970.0  | 1012.0 | 1070.2 | 1151.3 |
| 32.5°  | 929.5  | 970.0  | 1030.9 | 1116.2 |
| 35°    | 883.5  | 929.5  | 987.6  | 1074.2 |
| 37.5°  | 848.3  | 890.2  | 951.1  | 1033.6 |
| 40°    | 810.4  | 846.9  | 906.5  | 987.6  |
| 42.5°  | 769.8  | 810.4  | 861.8  | 943.0  |
| 45°    | 731.9  | 761.7  | 814.5  | 891.6  |
| 47.5°  | 691.3  | 725.2  | 765.8  | 825.3  |
| 50°    | 648.0  | 676.5  | 721.1  | 761.7  |
| 52.5°  | 606.1  | 629.1  | 667.0  | 698.1  |
| 55°    | 561.5  | 584.5  | 612.9  | 631.8  |
| 57.5°  | 519.5  | 535.8  | 554.7  | 566.9  |
| 60°    | 468.1  | 484.3  | 496.5  | 508.7  |
| 62.5°  | 422.1  | 434.3  | 441.1  | 447.8  |
| 65°    | 374.8  | 381.5  | 385.6  | 391.0  |
| 67.5°  | 323.3  | 330.1  | 331.5  | 339.6  |
| 70°    | 276.0  | 277.3  | 280.1  | 284.1  |
| 72.5°  | 231.3  | 234.1  | 232.7  | 235.4  |
| 75°    | 185.4  | 188.1  | 185.4  | 188.1  |
| 77.5°  | 140.7  | 143.4  | 143.4  | 147.5  |
| 80°    | 101.5  | 102.8  | 104.2  | 104.2  |
| 82.5°  | 66.3   | 70.4   | 67.6   | 69.0   |
| 85°    | 37.9   | 39.2   | 39.2   | 40.6   |
| 87.5°  | 17.6   | 18.9   | 17.6   | 20.3   |
| 90°    | 5.9    | 4.2    | 2.5    | 0.8    |
| 92.5°  | 14.5   | 15.6   | 16.6   | 17.6   |
| 95°    | 25.7   | 32.7   | 39.6   | 46.6   |
| 97.5°  | 70.5   | 75.2   | 80.0   | 84.7   |
| 100°   | 139.2  | 135.8  | 132.4  | 129.0  |
| 102.5° | 186.0  | 183.8  | 181.6  | 179.4  |
| 105°   | 233.1  | 231.2  | 229.4  | 227.5  |
| 107.5° | 283.2  | 281.7  | 280.2  | 278.7  |
| 110°   | 333.9  | 332.5  | 331.2  | 329.8  |

TEST NUMBER: P1010455

CATALOG NUMBER: S123DIP-B1000D805UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 112.5° | 382.2  | 381.1  | 379.9  | 378.7  |
| 115°   | 429.9  | 428.8  | 427.8  | 426.8  |
| 117.5° | 477.7  | 476.5  | 475.3  | 474.1  |
| 120°   | 522.2  | 520.7  | 519.2  | 517.7  |
| 122.5° | 565.5  | 564.3  | 563.1  | 561.9  |
| 125°   | 605.7  | 604.3  | 603.0  | 601.6  |
| 127.5° | 645.4  | 644.0  | 642.7  | 641.3  |
| 130°   | 682.1  | 680.7  | 679.4  | 678.0  |
| 132.5° | 717.2  | 715.8  | 714.5  | 713.1  |
| 135°   | 752.1  | 751.0  | 750.0  | 749.0  |
| 137.5° | 783.6  | 782.2  | 780.9  | 779.5  |
| 140°   | 813.2  | 812.1  | 811.1  | 810.1  |
| 142.5° | 841.4  | 840.3  | 839.3  | 838.3  |
| 145°   | 867.8  | 866.7  | 865.5  | 864.3  |
| 147.5° | 892.0  | 891.2  | 890.3  | 889.5  |
| 150°   | 913.9  | 913.4  | 912.9  | 912.4  |
| 152.5° | 933.5  | 933.4  | 933.2  | 933.0  |
| 155°   | 951.1  | 951.4  | 951.8  | 952.1  |
| 157.5° | 967.4  | 967.4  | 967.4  | 967.4  |
| 160°   | 980.6  | 980.7  | 980.9  | 981.1  |
| 162.5° | 992.6  | 993.1  | 993.6  | 994.1  |
| 165°   | 1002.5 | 1003.0 | 1003.5 | 1004.0 |
| 167.5° | 1010.3 | 1011.0 | 1011.7 | 1012.4 |
| 170°   | 1017.2 | 1017.9 | 1018.6 | 1019.3 |
| 172.5° | 1021.3 | 1022.2 | 1023.0 | 1023.9 |
| 175°   | 1025.2 | 1026.0 | 1026.9 | 1027.7 |
| 177.5° | 1026.7 | 1027.5 | 1028.4 | 1029.2 |
| 180°   | 1027.7 | 1027.7 | 1027.7 | 1027.7 |

(END OF REPORT)