

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: P1008253

Luminaire Tested: S122DIP-B865D530UB2750-4F0-XX-W2A-A\_5000K

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1008253  
REPORT IS A COMBINATION OF REPORTS P984851 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S122DIP-B865D530UB2750-4F0-XX-W2A-A\_5000K  
Description: Define 2 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}  
Light Source: -  
Ballast/Driver: -

**Summary**

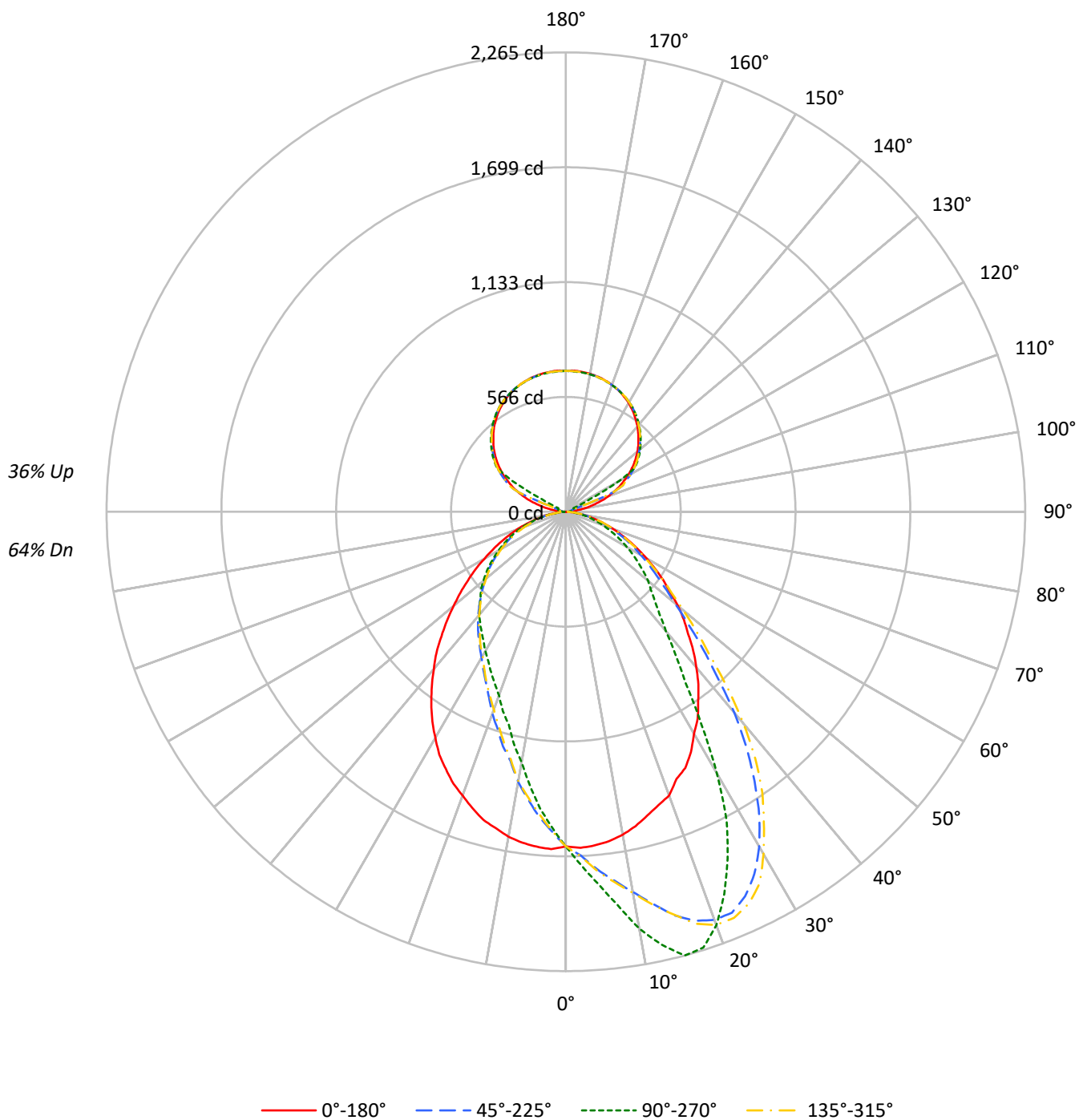
Lumens per Lamp: N/A  
Luminaire Lumens: 5678.0 lumens  
Efficiency: N/A  
Efficacy: 91.3 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 62.2  
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: P1008253

CATALOG NUMBER: S122DIP-B865D530UB2750-4F0-XX-W2A-A\_5000K

### Luminous Intensity Polar Plot



TEST NUMBER: P1008253

CATALOG NUMBER: S122DIP-B865D530UB2750-4F0-XX-W2A-A\_5000K

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

|     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     |    | 20 |    |    |    |    | 20 |    |    |    |    | 20 |
| RC  | 80  |     |     |     | 70  |     |     |     |    | 50 |    |    |    |    | 30 |    |    |    |    | 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 | 91 | 91 | 91 | 80 | 80 | 80 | 69 | 69 | 69 | 64 |    |    |
| 1   | 102 | 97  | 94  | 90  | 95  | 92  | 88  | 85  | 81 | 79 | 76 | 71 | 69 | 68 | 62 | 61 | 60 | 55 |    |    |
| 2   | 93  | 86  | 80  | 75  | 87  | 81  | 76  | 71  | 72 | 68 | 64 | 63 | 60 | 58 | 55 | 53 | 51 | 47 |    |    |
| 3   | 85  | 76  | 69  | 63  | 80  | 72  | 65  | 60  | 64 | 59 | 55 | 56 | 53 | 49 | 50 | 47 | 44 | 41 |    |    |
| 4   | 78  | 68  | 60  | 54  | 73  | 64  | 57  | 52  | 57 | 52 | 47 | 51 | 46 | 43 | 45 | 41 | 39 | 36 |    |    |
| 5   | 72  | 61  | 53  | 47  | 68  | 58  | 50  | 45  | 52 | 46 | 41 | 46 | 41 | 38 | 41 | 37 | 34 | 31 |    |    |
| 6   | 67  | 55  | 47  | 41  | 63  | 52  | 45  | 40  | 47 | 41 | 36 | 42 | 37 | 33 | 37 | 33 | 30 | 28 |    |    |
| 7   | 62  | 50  | 42  | 36  | 58  | 47  | 40  | 35  | 43 | 37 | 32 | 38 | 33 | 30 | 34 | 30 | 27 | 25 |    |    |
| 8   | 58  | 46  | 38  | 33  | 54  | 43  | 36  | 31  | 39 | 33 | 29 | 35 | 30 | 27 | 32 | 28 | 25 | 22 |    |    |
| 9   | 54  | 42  | 34  | 29  | 51  | 40  | 33  | 28  | 36 | 30 | 26 | 33 | 28 | 24 | 29 | 25 | 22 | 20 |    |    |
| 10  | 51  | 38  | 31  | 26  | 48  | 37  | 30  | 26  | 33 | 28 | 24 | 30 | 26 | 22 | 27 | 23 | 21 | 19 |    |    |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 26115 | 26115 | 26115 | 26115 |
| 5°  | 26178 | 27845 | 26278 | 22153 |
| 10° | 25874 | 30397 | 26037 | 18265 |
| 15° | 25247 | 32063 | 25598 | 15385 |
| 20° | 24853 | 30104 | 24853 | 13372 |
| 25° | 24061 | 25863 | 24170 | 11959 |
| 30° | 22757 | 20330 | 23191 | 10831 |
| 35° | 21603 | 14059 | 21964 | 9910  |
| 40° | 20276 | 10614 | 20506 | 9175  |
| 45° | 18638 | 8722  | 18944 | 8382  |
| 50° | 17225 | 7655  | 17256 | 7674  |
| 55° | 15612 | 6524  | 15713 | 6904  |
| 60° | 13892 | 5449  | 14083 | 6025  |
| 65° | 12353 | 4432  | 12577 | 5146  |
| 70° | 10818 | 3478  | 11095 | 4150  |
| 75° | 9079  | 2525  | 9437  | 3009  |
| 80° | 7090  | 1600  | 7593  | 1787  |
| 85° | 4661  | 804   | 5015  | 597   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 26997 cd/sqm

TEST NUMBER: P1008253

CATALOG NUMBER: S122DIP-B865D530UB2750-4F0-XX-W2A-A\_5000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 157.1  | 2.8       |
| 10°-20°   | 457.4  | 8.1       |
| 20°-30°   | 663.8  | 11.7      |
| 30°-40°   | 699.8  | 12.3      |
| 40°-50°   | 619.2  | 10.9      |
| 50°-60°   | 494.4  | 8.7       |
| 60°-70°   | 335.8  | 5.9       |
| 70°-80°   | 171.8  | 3.0       |
| 80°-90°   | 41.8   | 0.7       |
| 90°-100°  | 22.9   | 0.4       |
| 100°-110° | 85.4   | 1.5       |
| 110°-120° | 226.5  | 4.0       |
| 120°-130° | 375.7  | 6.6       |
| 130°-140° | 399.0  | 7.0       |
| 140°-150° | 370.9  | 6.5       |
| 150°-160° | 298.2  | 5.3       |
| 160°-170° | 192.1  | 3.4       |
| 170°-180° | 66.1   | 1.2       |
| 0°-30°    | 1278.3 | 22.5      |
| 0°-40°    | 1978.1 | 34.8      |
| 0°-60°    | 3091.7 | 54.5      |
| 0°-90°    | 3641.2 | 64.1      |
| 90°-120°  | 334.8  | 5.9       |
| 90°-150°  | 1480.4 | 26.1      |
| 90°-180°  | 2037.0 | 35.9      |
| 0°-180°   | 5678.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1650 | 1650 | 1650 | 1650 | 1650 |      |
| 5°   | 1651 | 1843 | 1657 | 1466 | 1651 | 157  |
| 15°  | 1551 | 2265 | 1572 | 1087 | 1551 | 438  |
| 25°  | 1394 | 1887 | 1400 | 872  | 1394 | 637  |
| 35°  | 1138 | 1027 | 1156 | 724  | 1138 | 712  |
| 45°  | 853  | 619  | 867  | 595  | 853  | 662  |
| 55°  | 586  | 435  | 590  | 460  | 586  | 523  |
| 65°  | 348  | 268  | 354  | 311  | 348  | 345  |
| 75°  | 162  | 132  | 169  | 157  | 162  | 174  |
| 85°  | 33   | 34   | 36   | 25   | 33   | 38   |
| 90°  | 0    | 14   | 0    | 14   | 0    | 4    |
| 95°  | 33   | 22   | 33   | 22   | 33   | 39   |
| 105° | 153  | 38   | 153  | 38   | 153  | 163  |
| 115° | 289  | 41   | 289  | 41   | 289  | 285  |
| 125° | 409  | 430  | 409  | 430  | 409  | 365  |
| 135° | 506  | 522  | 506  | 522  | 506  | 391  |
| 145° | 587  | 596  | 587  | 596  | 587  | 367  |
| 155° | 646  | 646  | 646  | 646  | 646  | 298  |
| 165° | 681  | 679  | 681  | 679  | 681  | 192  |
| 175° | 696  | 692  | 696  | 692  | 696  | 66   |
| 180° | 695  | 695  | 695  | 695  | 695  |      |

TEST NUMBER: P1008253

CATALOG NUMBER: S122DIP-B865D530UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 |
| 2.5°   | 1658.7 | 1662.5 | 1668.8 | 1670.1 | 1682.8 | 1692.9 | 1704.3 | 1704.3 | 1708.2 | 1706.9 | 1696.7 |
| 5°     | 1651.1 | 1662.5 | 1679.0 | 1692.9 | 1715.8 | 1725.9 | 1741.1 | 1752.5 | 1762.7 | 1770.3 | 1769.0 |
| 7.5°   | 1638.4 | 1658.7 | 1682.8 | 1709.4 | 1739.9 | 1757.6 | 1779.2 | 1799.5 | 1813.4 | 1826.1 | 1835.0 |
| 10°    | 1616.8 | 1651.1 | 1684.1 | 1719.6 | 1758.9 | 1783.0 | 1808.3 | 1835.0 | 1856.5 | 1880.6 | 1903.4 |
| 12.5°  | 1587.7 | 1637.1 | 1677.7 | 1724.6 | 1772.8 | 1799.5 | 1840.0 | 1860.3 | 1902.2 | 1963.0 | 1979.5 |
| 15°    | 1550.9 | 1618.1 | 1656.2 | 1715.8 | 1779.2 | 1800.7 | 1856.5 | 1889.5 | 1975.7 | 2013.8 | 2059.4 |
| 17.5°  | 1516.7 | 1591.5 | 1642.2 | 1710.7 | 1772.8 | 1814.7 | 1869.2 | 1936.4 | 2008.7 | 2063.2 | 2113.9 |
| 20°    | 1488.8 | 1561.0 | 1621.9 | 1698.0 | 1776.6 | 1829.9 | 1887.0 | 1968.1 | 2046.7 | 2102.5 | 2141.8 |
| 22.5°  | 1425.4 | 1517.9 | 1588.9 | 1673.9 | 1769.0 | 1842.6 | 1897.1 | 1985.9 | 2070.8 | 2105.1 | 2139.3 |
| 25°    | 1393.7 | 1473.5 | 1556.0 | 1652.4 | 1763.9 | 1851.4 | 1898.4 | 1997.3 | 2072.1 | 2084.8 | 2092.4 |
| 27.5°  | 1335.3 | 1425.4 | 1521.7 | 1632.1 | 1762.7 | 1836.2 | 1895.8 | 1985.9 | 2045.5 | 2036.6 | 2013.8 |
| 30°    | 1263.0 | 1373.4 | 1479.9 | 1599.1 | 1744.9 | 1824.8 | 1880.6 | 1963.0 | 1993.5 | 1947.8 | 1907.2 |
| 32.5°  | 1209.8 | 1313.8 | 1431.7 | 1569.9 | 1724.6 | 1800.7 | 1855.3 | 1919.9 | 1926.3 | 1843.8 | 1775.4 |
| 35°    | 1137.5 | 1252.9 | 1386.0 | 1531.9 | 1690.4 | 1758.9 | 1809.6 | 1848.9 | 1818.5 | 1703.1 | 1621.9 |
| 37.5°  | 1072.8 | 1187.0 | 1329.0 | 1477.4 | 1643.5 | 1710.7 | 1751.3 | 1757.6 | 1682.8 | 1581.3 | 1462.1 |
| 40°    | 1001.8 | 1119.7 | 1268.1 | 1424.1 | 1591.5 | 1649.8 | 1675.2 | 1656.2 | 1548.4 | 1430.4 | 1292.2 |
| 42.5°  | 930.8  | 1047.5 | 1207.2 | 1367.0 | 1525.5 | 1575.0 | 1585.1 | 1533.2 | 1401.3 | 1263.0 | 1103.3 |
| 45°    | 853.4  | 975.2  | 1135.0 | 1296.0 | 1449.5 | 1477.4 | 1478.6 | 1403.8 | 1247.8 | 1103.3 | 954.9  |
| 47.5°  | 790.0  | 902.9  | 1061.4 | 1222.5 | 1351.8 | 1370.8 | 1363.2 | 1277.0 | 1107.1 | 944.7  | 815.4  |
| 50°    | 720.3  | 828.1  | 985.3  | 1143.8 | 1254.2 | 1259.2 | 1240.2 | 1117.2 | 951.1  | 802.7  | 700.0  |
| 52.5°  | 645.5  | 754.5  | 899.1  | 1051.3 | 1150.2 | 1142.6 | 1105.8 | 973.9  | 817.9  | 694.9  | 616.3  |
| 55°    | 585.9  | 682.2  | 817.9  | 966.3  | 1036.0 | 1014.5 | 973.9  | 839.5  | 716.5  | 612.5  | 544.0  |
| 57.5°  | 519.9  | 604.9  | 738.0  | 867.4  | 908.0  | 887.7  | 847.1  | 721.6  | 607.4  | 528.8  | 483.2  |
| 60°    | 457.8  | 535.1  | 651.8  | 759.6  | 791.3  | 769.7  | 722.8  | 610.0  | 527.5  | 461.6  | 427.4  |
| 62.5°  | 400.7  | 467.9  | 565.6  | 664.5  | 677.2  | 655.6  | 615.0  | 523.7  | 452.7  | 400.7  | 375.4  |
| 65°    | 347.5  | 410.9  | 489.5  | 564.3  | 575.7  | 552.9  | 511.1  | 445.1  | 385.5  | 352.5  | 328.4  |
| 67.5°  | 295.5  | 346.2  | 415.9  | 470.5  | 476.8  | 455.3  | 421.0  | 367.8  | 331.0  | 295.5  | 277.7  |
| 70°    | 249.8  | 287.9  | 342.4  | 386.8  | 389.3  | 369.0  | 351.3  | 303.1  | 275.2  | 249.8  | 235.9  |
| 72.5°  | 205.4  | 232.1  | 273.9  | 306.9  | 308.2  | 295.5  | 279.0  | 248.6  | 224.5  | 206.7  | 192.8  |
| 75°    | 162.3  | 185.1  | 210.5  | 239.7  | 238.4  | 228.3  | 215.6  | 196.6  | 176.3  | 164.9  | 158.5  |
| 77.5°  | 124.3  | 138.2  | 158.5  | 177.5  | 177.5  | 172.5  | 164.9  | 150.9  | 138.2  | 126.8  | 120.5  |
| 80°    | 88.8   | 97.6   | 114.1  | 120.5  | 123.0  | 121.7  | 115.4  | 105.3  | 100.2  | 91.3   | 88.8   |
| 82.5°  | 57.1   | 63.4   | 71.0   | 77.4   | 81.2   | 78.6   | 77.4   | 72.3   | 64.7   | 62.1   | 59.6   |
| 85°    | 33.0   | 35.5   | 39.3   | 43.1   | 44.4   | 43.1   | 45.7   | 41.8   | 38.0   | 38.0   | 36.8   |
| 87.5°  | 13.9   | 15.2   | 17.8   | 17.8   | 19.0   | 19.0   | 17.8   | 19.0   | 19.0   | 17.8   | 16.5   |
| 90°    | 0.5    | 1.7    | 2.9    | 4.2    | 5.4    | 6.0    | 6.5    | 7.4    | 8.3    | 9.2    | 10.1   |
| 92.5°  | 12.6   | 12.2   | 11.7   | 11.3   | 10.8   | 10.6   | 10.8   | 11.1   | 11.4   | 11.8   | 12.1   |
| 95°    | 32.7   | 29.0   | 25.3   | 21.6   | 17.9   | 16.1   | 16.5   | 17.3   | 18.0   | 18.8   | 19.6   |
| 97.5°  | 58.8   | 49.6   | 40.5   | 31.3   | 22.2   | 17.6   | 18.5   | 20.3   | 22.0   | 23.8   | 25.6   |
| 100°   | 89.0   | 73.7   | 58.4   | 43.1   | 27.8   | 20.1   | 21.1   | 23.0   | 24.9   | 26.8   | 28.7   |
| 102.5° | 122.2  | 122.0  | 121.8  | 121.5  | 121.3  | 121.2  | 111.0  | 90.7   | 70.4   | 50.0   | 29.7   |
| 105°   | 152.8  | 156.2  | 159.5  | 162.9  | 166.2  | 167.9  | 152.7  | 122.2  | 91.7   | 61.2   | 30.7   |
| 107.5° | 188.5  | 191.3  | 194.1  | 196.9  | 199.7  | 201.1  | 182.3  | 144.6  | 107.0  | 69.3   | 31.7   |
| 110°   | 222.7  | 225.1  | 227.4  | 229.8  | 232.1  | 233.3  | 217.2  | 184.9  | 152.6  | 120.3  | 88.0   |

TEST NUMBER: P1008253

CATALOG NUMBER: S122DIP-B865D530UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 254.9 | 256.9 | 258.9 | 260.9 | 262.9 | 263.9 | 263.0 | 261.1 | 259.2 | 257.3 | 255.4 |
| 115°   | 289.1 | 291.0 | 292.9 | 294.8 | 296.7 | 297.6 | 299.0 | 301.8 | 304.6 | 307.4 | 310.2 |
| 117.5° | 318.7 | 320.9 | 323.2 | 325.4 | 327.7 | 328.8 | 329.7 | 331.6 | 333.5 | 335.4 | 337.3 |
| 120°   | 351.9 | 353.6 | 355.2 | 356.9 | 358.6 | 359.4 | 360.4 | 362.4 | 364.5 | 366.5 | 368.5 |
| 122.5° | 380.1 | 381.9 | 383.7 | 385.4 | 387.2 | 388.1 | 389.2 | 391.5 | 393.7 | 396.0 | 398.2 |
| 125°   | 408.7 | 410.1 | 411.6 | 413.0 | 414.5 | 415.2 | 416.3 | 418.4 | 420.5 | 422.7 | 424.8 |
| 127.5° | 434.9 | 436.5 | 438.0 | 439.6 | 441.1 | 441.9 | 442.7 | 444.4 | 446.1 | 447.7 | 449.4 |
| 130°   | 459.5 | 461.3 | 463.1 | 464.8 | 466.6 | 467.5 | 468.1 | 469.4 | 470.6 | 471.9 | 473.1 |
| 132.5° | 484.6 | 486.1 | 487.5 | 489.0 | 490.5 | 491.2 | 491.8 | 493.0 | 494.3 | 495.5 | 496.7 |
| 135°   | 505.7 | 507.5 | 509.3 | 511.1 | 512.9 | 513.8 | 514.3 | 515.3 | 516.3 | 517.3 | 518.3 |
| 137.5° | 527.9 | 529.2 | 530.6 | 531.9 | 533.2 | 533.9 | 534.5 | 535.6 | 536.7 | 537.8 | 538.9 |
| 140°   | 549.5 | 550.4 | 551.3 | 552.2 | 553.1 | 553.5 | 554.1 | 555.3 | 556.6 | 557.8 | 559.0 |
| 142.5° | 567.6 | 568.4 | 569.2 | 569.9 | 570.7 | 571.1 | 571.8 | 573.3 | 574.7 | 576.2 | 577.6 |
| 145°   | 586.7 | 586.6 | 586.5 | 586.4 | 586.3 | 586.2 | 587.1 | 589.0 | 590.9 | 592.8 | 594.7 |
| 147.5° | 603.3 | 603.0 | 602.6 | 602.3 | 602.0 | 601.8 | 602.7 | 604.6 | 606.5 | 608.4 | 610.3 |
| 150°   | 619.3 | 618.5 | 617.7 | 617.0 | 616.2 | 615.8 | 616.7 | 618.5 | 620.3 | 622.1 | 623.9 |
| 152.5° | 632.9 | 632.0 | 631.1 | 630.2 | 629.3 | 628.9 | 629.7 | 631.4 | 633.1 | 634.7 | 636.4 |
| 155°   | 646.0 | 645.0 | 644.0 | 643.0 | 642.0 | 641.5 | 642.2 | 643.5 | 644.8 | 646.2 | 647.5 |
| 157.5° | 656.5 | 655.6 | 654.7 | 653.8 | 652.9 | 652.5 | 653.0 | 654.0 | 655.1 | 656.1 | 657.1 |
| 160°   | 665.6 | 664.9 | 664.3 | 663.6 | 662.9 | 662.6 | 662.9 | 663.6 | 664.3 | 664.9 | 665.6 |
| 162.5° | 673.6 | 672.9 | 672.3 | 671.6 | 670.9 | 670.6 | 670.9 | 671.4 | 672.0 | 672.5 | 673.1 |
| 165°   | 680.7 | 680.0 | 679.4 | 678.7 | 678.0 | 677.7 | 677.9 | 678.2 | 678.5 | 678.9 | 679.2 |
| 167.5° | 686.2 | 685.5 | 684.9 | 684.2 | 683.5 | 683.2 | 683.4 | 683.7 | 684.0 | 684.4 | 684.7 |
| 170°   | 690.7 | 690.0 | 689.4 | 688.7 | 688.0 | 687.7 | 687.8 | 688.0 | 688.3 | 688.5 | 688.7 |
| 172.5° | 693.7 | 693.0 | 692.4 | 691.7 | 691.0 | 690.7 | 690.8 | 691.0 | 691.3 | 691.5 | 691.7 |
| 175°   | 696.3 | 695.5 | 694.7 | 693.9 | 693.1 | 692.7 | 692.8 | 693.0 | 693.3 | 693.5 | 693.7 |
| 177.5° | 697.3 | 696.5 | 695.7 | 694.9 | 694.1 | 693.7 | 693.8 | 693.9 | 694.0 | 694.2 | 694.3 |
| 180°   | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 |

TEST NUMBER: P1008253

CATALOG NUMBER: S122DIP-B865D530UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 |
| 2.5°   | 1714.5 | 1715.8 | 1718.3 | 1731.0 | 1737.3 | 1738.6 | 1733.5 | 1744.9 | 1748.7 | 1744.9 | 1742.4 |
| 5°     | 1795.7 | 1803.3 | 1818.5 | 1835.0 | 1833.7 | 1835.0 | 1842.6 | 1850.2 | 1852.7 | 1842.6 | 1846.4 |
| 7.5°   | 1866.7 | 1881.9 | 1898.4 | 1923.7 | 1923.7 | 1936.4 | 1941.5 | 1947.8 | 1963.0 | 1955.4 | 1952.9 |
| 10°    | 1947.8 | 1968.1 | 1998.5 | 2039.1 | 2040.4 | 2053.1 | 2065.8 | 2086.0 | 2092.4 | 2087.3 | 2089.9 |
| 12.5°  | 2049.3 | 2088.6 | 2091.1 | 2135.5 | 2155.8 | 2158.3 | 2178.6 | 2174.8 | 2187.5 | 2187.5 | 2209.1 |
| 15°    | 2093.7 | 2154.5 | 2188.8 | 2231.9 | 2244.6 | 2229.3 | 2245.8 | 2263.6 | 2264.9 | 2264.9 | 2263.6 |
| 17.5°  | 2173.5 | 2197.6 | 2231.9 | 2254.7 | 2259.8 | 2259.8 | 2261.0 | 2268.7 | 2263.6 | 2253.4 | 2261.0 |
| 20°    | 2190.0 | 2200.2 | 2212.9 | 2210.3 | 2212.9 | 2200.2 | 2187.5 | 2174.8 | 2176.1 | 2169.7 | 2188.8 |
| 22.5°  | 2159.6 | 2157.1 | 2127.9 | 2108.9 | 2108.9 | 2083.5 | 2059.4 | 2048.0 | 2036.6 | 2040.4 | 2046.7 |
| 25°    | 2083.5 | 2044.2 | 2008.7 | 1980.8 | 1974.5 | 1933.9 | 1900.9 | 1890.8 | 1871.7 | 1887.0 | 1889.5 |
| 27.5°  | 1961.8 | 1917.4 | 1860.3 | 1836.2 | 1803.3 | 1786.8 | 1763.9 | 1733.5 | 1694.2 | 1717.0 | 1713.2 |
| 30°    | 1831.2 | 1765.2 | 1718.3 | 1660.0 | 1608.0 | 1604.2 | 1561.0 | 1510.3 | 1490.0 | 1490.0 | 1501.4 |
| 32.5°  | 1685.3 | 1597.8 | 1529.3 | 1446.9 | 1396.2 | 1374.6 | 1322.6 | 1271.9 | 1283.3 | 1245.3 | 1259.2 |
| 35°    | 1515.4 | 1400.0 | 1313.8 | 1233.9 | 1195.8 | 1170.5 | 1103.3 | 1075.4 | 1044.9 | 1027.2 | 1060.1 |
| 37.5°  | 1353.1 | 1219.9 | 1109.6 | 1022.1 | 1008.2 | 962.5  | 916.8  | 899.1  | 881.3  | 888.9  | 887.7  |
| 40°    | 1155.3 | 1037.3 | 938.4  | 869.9  | 845.8  | 824.3  | 793.8  | 772.3  | 760.9  | 767.2  | 768.5  |
| 42.5°  | 976.4  | 877.5  | 804.0  | 755.8  | 735.5  | 720.3  | 705.1  | 687.3  | 683.5  | 683.5  | 688.6  |
| 45°    | 838.2  | 757.1  | 707.6  | 668.3  | 656.9  | 645.5  | 634.1  | 626.4  | 623.9  | 618.8  | 622.6  |
| 47.5°  | 727.9  | 663.2  | 632.8  | 603.6  | 590.9  | 588.4  | 578.3  | 574.5  | 569.4  | 568.1  | 569.4  |
| 50°    | 635.3  | 594.7  | 566.8  | 550.4  | 541.5  | 537.7  | 532.6  | 525.0  | 522.5  | 528.8  | 526.3  |
| 52.5°  | 570.7  | 532.6  | 517.4  | 500.9  | 495.8  | 490.8  | 483.2  | 484.4  | 483.2  | 480.6  | 480.6  |
| 55°    | 506.0  | 481.9  | 466.7  | 454.0  | 452.7  | 447.6  | 441.3  | 438.8  | 437.5  | 435.0  | 438.8  |
| 57.5°  | 454.0  | 435.0  | 421.0  | 409.6  | 404.5  | 404.5  | 398.2  | 393.1  | 393.1  | 391.8  | 393.1  |
| 60°    | 402.0  | 383.0  | 374.1  | 362.7  | 358.9  | 357.6  | 353.8  | 351.3  | 347.5  | 347.5  | 347.5  |
| 62.5°  | 353.8  | 338.6  | 328.4  | 318.3  | 319.6  | 313.2  | 308.2  | 305.6  | 305.6  | 306.9  | 306.9  |
| 65°    | 308.2  | 298.0  | 285.3  | 276.4  | 273.9  | 272.6  | 270.1  | 268.8  | 265.0  | 267.6  | 267.6  |
| 67.5°  | 266.3  | 252.4  | 244.7  | 240.9  | 237.1  | 235.9  | 233.3  | 230.8  | 229.5  | 228.3  | 230.8  |
| 70°    | 224.5  | 213.0  | 206.7  | 204.2  | 200.4  | 199.1  | 197.8  | 194.0  | 195.3  | 196.6  | 197.8  |
| 72.5°  | 186.4  | 176.3  | 175.0  | 167.4  | 167.4  | 167.4  | 162.3  | 164.9  | 163.6  | 161.1  | 163.6  |
| 75°    | 147.1  | 142.0  | 139.5  | 135.7  | 137.0  | 135.7  | 134.4  | 130.6  | 130.6  | 131.9  | 133.2  |
| 77.5°  | 116.7  | 111.6  | 110.3  | 106.5  | 104.0  | 106.5  | 104.0  | 102.7  | 102.7  | 104.0  | 104.0  |
| 80°    | 86.2   | 83.7   | 79.9   | 79.9   | 79.9   | 78.6   | 78.6   | 78.6   | 77.4   | 76.1   | 77.4   |
| 82.5°  | 57.1   | 57.1   | 55.8   | 54.5   | 55.8   | 53.3   | 54.5   | 54.5   | 54.5   | 54.5   | 54.5   |
| 85°    | 36.8   | 35.5   | 35.5   | 34.2   | 34.2   | 34.2   | 35.5   | 33.0   | 33.0   | 34.2   | 34.2   |
| 87.5°  | 16.5   | 16.5   | 16.5   | 17.8   | 16.5   | 16.5   | 16.5   | 17.8   | 16.5   | 16.5   | 16.5   |
| 90°    | 10.7   | 11.2   | 11.8   | 12.3   | 12.6   | 12.7   | 12.9   | 13.2   | 13.4   | 13.6   | 13.4   |
| 92.5°  | 12.3   | 12.5   | 12.8   | 13.0   | 13.1   | 13.2   | 13.3   | 13.4   | 13.5   | 13.6   | 13.5   |
| 95°    | 20.2   | 20.7   | 21.3   | 21.8   | 22.1   | 22.0   | 21.9   | 21.8   | 21.7   | 21.6   | 21.7   |
| 97.5°  | 25.9   | 26.3   | 26.6   | 26.9   | 27.1   | 27.2   | 27.3   | 27.4   | 27.5   | 27.6   | 27.5   |
| 100°   | 29.6   | 30.5   | 31.4   | 32.3   | 32.7   | 32.8   | 33.0   | 33.3   | 33.5   | 33.7   | 33.5   |
| 102.5° | 30.9   | 32.1   | 33.4   | 34.6   | 35.2   | 35.4   | 35.7   | 36.0   | 36.4   | 36.7   | 36.4   |
| 105°   | 31.9   | 33.1   | 34.4   | 35.6   | 36.2   | 36.4   | 36.9   | 37.3   | 37.8   | 38.2   | 37.8   |
| 107.5° | 32.9   | 34.1   | 35.4   | 36.6   | 37.2   | 37.4   | 37.9   | 38.3   | 38.8   | 39.2   | 38.8   |
| 110°   | 76.8   | 65.6   | 54.5   | 43.3   | 37.7   | 37.9   | 38.4   | 38.8   | 39.3   | 39.7   | 39.3   |

TEST NUMBER: P1008253

CATALOG NUMBER: S122DIP-B865D530UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 207.2 | 159.1 | 110.9 | 62.8  | 38.7  | 38.9  | 39.2  | 39.5  | 39.9  | 40.2  | 39.9  |
| 115°   | 258.5 | 206.7 | 155.0 | 103.3 | 77.4  | 73.4  | 65.3  | 57.3  | 49.2  | 41.2  | 49.2  |
| 117.5° | 321.3 | 305.3 | 289.4 | 273.4 | 265.4 | 250.8 | 221.5 | 192.2 | 163.0 | 133.7 | 163.0 |
| 120°   | 369.8 | 371.2 | 372.5 | 373.8 | 374.5 | 367.0 | 351.9 | 336.8 | 321.8 | 306.7 | 321.8 |
| 122.5° | 398.9 | 399.5 | 400.2 | 400.9 | 401.2 | 401.3 | 401.4 | 401.5 | 401.6 | 401.7 | 401.6 |
| 125°   | 425.6 | 426.4 | 427.1 | 427.9 | 428.3 | 428.5 | 428.8 | 429.1 | 429.5 | 429.8 | 429.5 |
| 127.5° | 450.5 | 451.7 | 452.8 | 453.9 | 454.5 | 454.6 | 454.7 | 454.8 | 454.9 | 455.0 | 454.9 |
| 130°   | 474.3 | 475.5 | 476.8 | 478.0 | 478.6 | 478.5 | 478.4 | 478.3 | 478.2 | 478.1 | 478.2 |
| 132.5° | 497.7 | 498.7 | 499.7 | 500.7 | 501.2 | 501.1 | 501.0 | 500.9 | 500.8 | 500.7 | 500.8 |
| 135°   | 519.4 | 520.5 | 521.6 | 522.7 | 523.3 | 523.2 | 523.0 | 522.7 | 522.5 | 522.3 | 522.5 |
| 137.5° | 540.0 | 541.1 | 542.2 | 543.3 | 543.9 | 543.7 | 543.4 | 543.1 | 542.7 | 542.4 | 542.7 |
| 140°   | 560.0 | 561.0 | 562.0 | 563.0 | 563.5 | 563.2 | 562.7 | 562.1 | 561.6 | 561.0 | 561.6 |
| 142.5° | 578.5 | 579.4 | 580.3 | 581.2 | 581.6 | 581.3 | 580.8 | 580.2 | 579.7 | 579.1 | 579.7 |
| 145°   | 595.5 | 596.3 | 597.0 | 597.8 | 598.2 | 597.9 | 597.4 | 596.8 | 596.3 | 595.7 | 596.3 |
| 147.5° | 610.9 | 611.4 | 612.0 | 612.5 | 612.8 | 612.6 | 612.1 | 611.7 | 611.2 | 610.8 | 611.2 |
| 150°   | 624.6 | 625.2 | 625.9 | 626.6 | 626.9 | 626.6 | 626.1 | 625.5 | 625.0 | 624.4 | 625.0 |
| 152.5° | 637.1 | 637.8 | 638.5 | 639.2 | 639.5 | 639.1 | 638.3 | 637.5 | 636.7 | 635.9 | 636.7 |
| 155°   | 648.2 | 648.8 | 649.5 | 650.2 | 650.5 | 650.1 | 649.2 | 648.3 | 647.4 | 646.5 | 647.4 |
| 157.5° | 657.9 | 658.7 | 659.4 | 660.2 | 660.6 | 660.1 | 659.2 | 658.3 | 657.4 | 656.5 | 657.4 |
| 160°   | 666.3 | 666.9 | 667.6 | 668.3 | 668.6 | 668.2 | 667.4 | 666.7 | 665.9 | 665.1 | 665.9 |
| 162.5° | 673.9 | 674.7 | 675.5 | 676.3 | 676.7 | 676.2 | 675.2 | 674.1 | 673.1 | 672.1 | 673.1 |
| 165°   | 680.0 | 680.8 | 681.5 | 682.3 | 682.7 | 682.3 | 681.5 | 680.8 | 680.0 | 679.2 | 680.0 |
| 167.5° | 685.5 | 686.3 | 687.0 | 687.8 | 688.2 | 687.7 | 686.7 | 685.7 | 684.7 | 683.7 | 684.7 |
| 170°   | 689.5 | 690.3 | 691.0 | 691.8 | 692.2 | 691.7 | 690.7 | 689.7 | 688.7 | 687.7 | 688.7 |
| 172.5° | 692.5 | 693.3 | 694.1 | 694.9 | 695.3 | 694.8 | 693.8 | 692.7 | 691.7 | 690.7 | 691.7 |
| 175°   | 694.5 | 695.3 | 696.1 | 696.9 | 697.3 | 696.7 | 695.6 | 694.5 | 693.3 | 692.2 | 693.3 |
| 177.5° | 695.1 | 695.9 | 696.6 | 697.4 | 697.8 | 697.3 | 696.3 | 695.2 | 694.2 | 693.2 | 694.2 |
| 180°   | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 |

TEST NUMBER: P1008253

CATALOG NUMBER: S122DIP-B865D530UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 |
| 2.5°   | 1748.7 | 1739.9 | 1732.2 | 1733.5 | 1739.9 | 1734.8 | 1722.1 | 1705.6 | 1699.3 | 1691.7 | 1699.3 |
| 5°     | 1854.0 | 1846.4 | 1831.2 | 1832.4 | 1828.6 | 1823.5 | 1803.3 | 1777.9 | 1777.9 | 1757.6 | 1755.1 |
| 7.5°   | 1958.0 | 1946.6 | 1936.4 | 1933.9 | 1919.9 | 1909.8 | 1892.0 | 1856.5 | 1842.6 | 1818.5 | 1804.5 |
| 10°    | 2074.6 | 2065.8 | 2054.3 | 2040.4 | 2032.8 | 2015.0 | 1985.9 | 1933.9 | 1908.5 | 1875.5 | 1851.4 |
| 12.5°  | 2192.6 | 2191.3 | 2165.9 | 2138.0 | 2136.8 | 2108.9 | 2088.6 | 2018.8 | 1984.6 | 1940.2 | 1883.2 |
| 15°    | 2267.4 | 2261.0 | 2247.1 | 2233.2 | 2237.0 | 2206.5 | 2160.9 | 2078.4 | 2055.6 | 2002.4 | 1941.5 |
| 17.5°  | 2266.1 | 2266.1 | 2262.3 | 2259.8 | 2256.0 | 2247.1 | 2221.7 | 2167.2 | 2130.4 | 2063.2 | 2006.2 |
| 20°    | 2193.8 | 2210.3 | 2214.1 | 2212.9 | 2225.5 | 2231.9 | 2230.6 | 2196.4 | 2167.2 | 2107.6 | 2049.3 |
| 22.5°  | 2049.3 | 2087.3 | 2103.8 | 2113.9 | 2140.6 | 2154.5 | 2187.5 | 2174.8 | 2167.2 | 2122.8 | 2073.4 |
| 25°    | 1914.9 | 1927.5 | 1977.0 | 1979.5 | 2016.3 | 2050.5 | 2083.5 | 2105.1 | 2133.0 | 2116.5 | 2074.6 |
| 27.5°  | 1741.1 | 1770.3 | 1805.8 | 1832.4 | 1840.0 | 1909.8 | 1964.3 | 2004.9 | 2068.3 | 2073.4 | 2059.4 |
| 30°    | 1544.6 | 1558.5 | 1616.8 | 1652.4 | 1692.9 | 1743.7 | 1822.3 | 1892.0 | 1949.1 | 2001.1 | 2018.8 |
| 32.5°  | 1304.9 | 1362.0 | 1396.2 | 1439.3 | 1474.8 | 1564.9 | 1661.2 | 1751.3 | 1817.2 | 1904.7 | 1942.8 |
| 35°    | 1085.5 | 1129.9 | 1188.2 | 1206.0 | 1270.7 | 1346.7 | 1472.3 | 1587.7 | 1687.9 | 1776.6 | 1854.0 |
| 37.5°  | 904.2  | 939.7  | 1001.8 | 1029.7 | 1067.8 | 1165.4 | 1270.7 | 1413.9 | 1534.4 | 1643.5 | 1739.9 |
| 40°    | 779.9  | 806.5  | 853.4  | 862.3  | 894.0  | 982.8  | 1067.8 | 1202.2 | 1362.0 | 1509.1 | 1614.3 |
| 42.5°  | 694.9  | 707.6  | 739.3  | 750.7  | 771.0  | 830.6  | 906.7  | 1033.5 | 1181.9 | 1334.1 | 1482.4 |
| 45°    | 634.1  | 642.9  | 662.0  | 672.1  | 697.5  | 724.1  | 786.2  | 887.7  | 1004.3 | 1157.8 | 1317.6 |
| 47.5°  | 579.5  | 590.9  | 598.6  | 604.9  | 618.8  | 648.0  | 688.6  | 763.4  | 875.0  | 1015.8 | 1170.5 |
| 50°    | 533.9  | 537.7  | 551.6  | 552.9  | 561.8  | 580.8  | 618.8  | 664.5  | 753.3  | 867.4  | 1017.0 |
| 52.5°  | 488.2  | 492.0  | 500.9  | 509.8  | 513.6  | 528.8  | 554.2  | 592.2  | 658.2  | 748.2  | 881.3  |
| 55°    | 442.6  | 447.6  | 456.5  | 462.9  | 466.7  | 479.3  | 494.6  | 531.3  | 583.3  | 646.7  | 755.8  |
| 57.5°  | 396.9  | 408.3  | 410.9  | 414.7  | 421.0  | 435.0  | 448.9  | 470.5  | 511.1  | 569.4  | 649.3  |
| 60°    | 353.8  | 357.6  | 366.5  | 370.3  | 376.6  | 384.2  | 402.0  | 418.5  | 447.6  | 493.3  | 565.6  |
| 62.5°  | 309.4  | 318.3  | 322.1  | 325.9  | 331.0  | 339.9  | 351.3  | 369.0  | 394.4  | 431.2  | 488.2  |
| 65°    | 271.4  | 272.6  | 280.3  | 285.3  | 290.4  | 296.7  | 308.2  | 324.6  | 339.9  | 374.1  | 415.9  |
| 67.5°  | 234.6  | 237.1  | 239.7  | 244.7  | 251.1  | 257.4  | 267.6  | 276.4  | 295.5  | 318.3  | 351.3  |
| 70°    | 199.1  | 199.1  | 205.4  | 209.2  | 208.0  | 215.6  | 223.2  | 233.3  | 247.3  | 268.8  | 295.5  |
| 72.5°  | 167.4  | 166.1  | 171.2  | 172.5  | 175.0  | 180.1  | 185.1  | 195.3  | 202.9  | 219.4  | 239.7  |
| 75°    | 133.2  | 135.7  | 138.2  | 138.2  | 142.0  | 145.8  | 150.9  | 156.0  | 164.9  | 175.0  | 190.2  |
| 77.5°  | 105.3  | 105.3  | 107.8  | 109.1  | 112.9  | 111.6  | 116.7  | 121.7  | 128.1  | 137.0  | 148.4  |
| 80°    | 77.4   | 79.9   | 79.9   | 79.9   | 81.2   | 82.4   | 87.5   | 91.3   | 95.1   | 101.4  | 106.5  |
| 82.5°  | 54.5   | 54.5   | 57.1   | 57.1   | 57.1   | 59.6   | 59.6   | 60.9   | 63.4   | 67.2   | 71.0   |
| 85°    | 34.2   | 34.2   | 34.2   | 35.5   | 34.2   | 35.5   | 38.0   | 36.8   | 38.0   | 40.6   | 40.6   |
| 87.5°  | 16.5   | 16.5   | 16.5   | 16.5   | 16.5   | 17.8   | 16.5   | 17.8   | 19.0   | 19.0   | 19.0   |
| 90°    | 13.2   | 12.9   | 12.7   | 12.6   | 12.3   | 11.8   | 11.2   | 10.7   | 10.1   | 9.2    | 8.3    |
| 92.5°  | 13.4   | 13.3   | 13.2   | 13.1   | 13.0   | 12.8   | 12.5   | 12.3   | 12.1   | 11.8   | 11.4   |
| 95°    | 21.8   | 21.9   | 22.0   | 22.1   | 21.8   | 21.3   | 20.7   | 20.2   | 19.6   | 18.8   | 18.0   |
| 97.5°  | 27.4   | 27.3   | 27.2   | 27.1   | 26.9   | 26.6   | 26.3   | 25.9   | 25.6   | 23.8   | 22.0   |
| 100°   | 33.3   | 33.0   | 32.8   | 32.7   | 32.3   | 31.4   | 30.5   | 29.6   | 28.7   | 26.8   | 24.9   |
| 102.5° | 36.0   | 35.7   | 35.4   | 35.2   | 34.6   | 33.4   | 32.1   | 30.9   | 29.7   | 50.0   | 70.4   |
| 105°   | 37.3   | 36.9   | 36.4   | 36.2   | 35.6   | 34.4   | 33.1   | 31.9   | 30.7   | 61.2   | 91.7   |
| 107.5° | 38.3   | 37.9   | 37.4   | 37.2   | 36.6   | 35.4   | 34.1   | 32.9   | 31.7   | 69.3   | 107.0  |
| 110°   | 38.8   | 38.4   | 37.9   | 37.7   | 43.3   | 54.5   | 65.6   | 76.8   | 88.0   | 120.3  | 152.6  |

TEST NUMBER: P1008253

CATALOG NUMBER: S122DIP-B865D530UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 39.5  | 39.2  | 38.9  | 38.7   | 62.8  | 110.9 | 159.1 | 207.2 | 255.4 | 257.3 | 259.2 |
| 115°   | 57.3  | 65.3  | 73.4  | 77.4   | 103.3 | 155.0 | 206.7 | 258.5 | 310.2 | 307.4 | 304.6 |
| 117.5° | 192.2 | 221.5 | 250.8 | 265.4  | 273.4 | 289.4 | 305.3 | 321.3 | 337.3 | 335.4 | 333.5 |
| 120°   | 336.8 | 351.9 | 367.0 | 374.5  | 373.8 | 372.5 | 371.2 | 369.8 | 368.5 | 366.5 | 364.5 |
| 122.5° | 401.5 | 401.4 | 401.3 | 401.2  | 400.9 | 400.2 | 399.5 | 398.9 | 398.2 | 396.0 | 393.7 |
| 125°   | 429.1 | 428.8 | 428.5 | 428.3  | 427.9 | 427.1 | 426.4 | 425.6 | 424.8 | 422.7 | 420.5 |
| 127.5° | 454.8 | 454.7 | 454.6 | 454.5  | 453.9 | 452.8 | 451.7 | 450.5 | 449.4 | 447.7 | 446.1 |
| 130°   | 478.3 | 478.4 | 478.5 | 478.6  | 478.0 | 476.8 | 475.5 | 474.3 | 473.1 | 471.9 | 470.6 |
| 132.5° | 500.9 | 501.0 | 501.1 | 501.2  | 500.7 | 499.7 | 498.7 | 497.7 | 496.7 | 495.5 | 494.3 |
| 135°   | 522.7 | 523.0 | 523.2 | 523.3  | 522.7 | 521.6 | 520.5 | 519.4 | 518.3 | 517.3 | 516.3 |
| 137.5° | 543.1 | 543.4 | 543.7 | 543.9  | 543.3 | 542.2 | 541.1 | 540.0 | 538.9 | 537.8 | 536.7 |
| 140°   | 562.1 | 562.7 | 563.2 | 563.5  | 563.0 | 562.0 | 561.0 | 560.0 | 559.0 | 557.8 | 556.6 |
| 142.5° | 580.2 | 580.8 | 581.3 | 581.6  | 581.2 | 580.3 | 579.4 | 578.5 | 577.6 | 576.2 | 574.7 |
| 145°   | 596.8 | 597.4 | 597.9 | 598.2  | 597.8 | 597.0 | 596.3 | 595.5 | 594.7 | 592.8 | 590.9 |
| 147.5° | 611.7 | 612.1 | 612.6 | 612.8  | 612.5 | 612.0 | 611.4 | 610.9 | 610.3 | 608.4 | 606.5 |
| 150°   | 625.5 | 626.1 | 626.6 | 626.9  | 626.6 | 625.9 | 625.2 | 624.6 | 623.9 | 622.1 | 620.3 |
| 152.5° | 637.5 | 638.3 | 639.1 | 639.5  | 639.2 | 638.5 | 637.8 | 637.1 | 636.4 | 634.7 | 633.1 |
| 155°   | 648.3 | 649.2 | 650.1 | 650.5  | 650.2 | 649.5 | 648.8 | 648.2 | 647.5 | 646.2 | 644.8 |
| 157.5° | 658.3 | 659.2 | 660.1 | 660.6  | 660.2 | 659.4 | 658.7 | 657.9 | 657.1 | 656.1 | 655.1 |
| 160°   | 666.7 | 667.4 | 668.2 | 668.6  | 668.3 | 667.6 | 666.9 | 666.3 | 665.6 | 664.9 | 664.3 |
| 162.5° | 674.1 | 675.2 | 676.2 | 676.7  | 676.3 | 675.5 | 674.7 | 673.9 | 673.1 | 672.5 | 672.0 |
| 165°   | 680.8 | 681.5 | 682.3 | 682.7  | 682.3 | 681.5 | 680.8 | 680.0 | 679.2 | 678.9 | 678.5 |
| 167.5° | 685.7 | 686.7 | 687.7 | 688.2  | 687.8 | 687.0 | 686.3 | 685.5 | 684.7 | 684.4 | 684.0 |
| 170°   | 689.7 | 690.7 | 691.7 | 692.2  | 691.8 | 691.0 | 690.3 | 689.5 | 688.7 | 688.5 | 688.3 |
| 172.5° | 692.7 | 693.8 | 694.8 | 695.3  | 694.9 | 694.1 | 693.3 | 692.5 | 691.7 | 691.5 | 691.3 |
| 175°   | 694.5 | 695.6 | 696.7 | 697.3  | 696.9 | 696.1 | 695.3 | 694.5 | 693.7 | 693.5 | 693.3 |
| 177.5° | 695.2 | 696.3 | 697.3 | 697.8  | 697.4 | 696.6 | 695.9 | 695.1 | 694.3 | 694.2 | 694.0 |
| 180°   | 694.8 | 694.8 | 694.8 | 694.8  | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 |

TEST NUMBER: P1008253

CATALOG NUMBER: S122DIP-B865D530UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 |
| 2.5°   | 1692.9 | 1686.6 | 1682.8 | 1685.3 | 1677.7 | 1658.7 | 1658.7 | 1665.0 | 1657.4 | 1649.8 | 1638.4 |
| 5°     | 1739.9 | 1727.2 | 1719.6 | 1718.3 | 1700.5 | 1670.1 | 1663.8 | 1657.4 | 1640.9 | 1623.2 | 1604.2 |
| 7.5°   | 1785.5 | 1762.7 | 1750.0 | 1741.1 | 1715.8 | 1676.4 | 1660.0 | 1646.0 | 1619.4 | 1592.8 | 1568.7 |
| 10°    | 1823.5 | 1790.6 | 1775.4 | 1761.4 | 1728.4 | 1679.0 | 1652.4 | 1627.0 | 1592.8 | 1558.5 | 1528.1 |
| 12.5°  | 1854.0 | 1815.9 | 1796.9 | 1776.6 | 1736.0 | 1671.4 | 1638.4 | 1597.8 | 1563.6 | 1517.9 | 1487.5 |
| 15°    | 1904.7 | 1826.1 | 1808.3 | 1789.3 | 1747.5 | 1658.7 | 1618.1 | 1572.5 | 1525.5 | 1464.7 | 1431.7 |
| 17.5°  | 1945.3 | 1840.0 | 1838.8 | 1798.2 | 1743.7 | 1653.6 | 1591.5 | 1531.9 | 1481.2 | 1420.3 | 1368.3 |
| 20°    | 1969.4 | 1861.6 | 1841.3 | 1799.5 | 1731.0 | 1619.4 | 1554.7 | 1488.8 | 1434.2 | 1360.7 | 1308.7 |
| 22.5°  | 1989.7 | 1892.0 | 1838.8 | 1788.0 | 1704.3 | 1608.0 | 1512.9 | 1450.7 | 1375.9 | 1296.0 | 1246.6 |
| 25°    | 1997.3 | 1898.4 | 1842.6 | 1784.2 | 1685.3 | 1575.0 | 1467.2 | 1400.0 | 1316.3 | 1244.0 | 1176.8 |
| 27.5°  | 1998.5 | 1897.1 | 1828.6 | 1767.8 | 1658.7 | 1531.9 | 1421.6 | 1350.5 | 1258.0 | 1174.3 | 1107.1 |
| 30°    | 1985.9 | 1883.2 | 1821.0 | 1755.1 | 1633.3 | 1492.6 | 1365.8 | 1287.1 | 1188.2 | 1104.5 | 1034.8 |
| 32.5°  | 1947.8 | 1855.3 | 1804.5 | 1732.2 | 1600.4 | 1438.0 | 1312.5 | 1225.0 | 1121.0 | 1038.6 | 971.4  |
| 35°    | 1884.4 | 1821.0 | 1765.2 | 1698.0 | 1557.2 | 1387.3 | 1259.2 | 1156.5 | 1051.3 | 972.6  | 909.2  |
| 37.5°  | 1805.8 | 1771.6 | 1719.6 | 1653.6 | 1507.8 | 1341.7 | 1199.6 | 1085.5 | 980.3  | 904.2  | 842.0  |
| 40°    | 1699.3 | 1708.2 | 1657.4 | 1597.8 | 1449.5 | 1279.5 | 1122.3 | 1013.2 | 914.3  | 843.3  | 782.4  |
| 42.5°  | 1583.9 | 1620.7 | 1591.5 | 1534.4 | 1384.8 | 1211.0 | 1065.2 | 944.7  | 848.4  | 774.8  | 724.1  |
| 45°    | 1459.6 | 1523.0 | 1505.3 | 1463.4 | 1317.6 | 1138.8 | 984.1  | 867.4  | 782.4  | 711.4  | 667.0  |
| 47.5°  | 1323.9 | 1413.9 | 1413.9 | 1383.5 | 1242.8 | 1066.5 | 914.3  | 795.1  | 711.4  | 660.7  | 617.6  |
| 50°    | 1185.7 | 1287.1 | 1303.6 | 1283.3 | 1159.1 | 984.1  | 829.3  | 721.6  | 649.3  | 599.8  | 568.1  |
| 52.5°  | 1041.1 | 1159.1 | 1189.5 | 1179.3 | 1070.3 | 905.4  | 759.6  | 654.3  | 588.4  | 545.3  | 517.4  |
| 55°    | 902.9  | 1039.9 | 1072.8 | 1076.6 | 975.2  | 819.2  | 682.2  | 589.7  | 526.3  | 497.1  | 473.0  |
| 57.5°  | 772.3  | 904.2  | 940.9  | 947.3  | 878.8  | 740.6  | 610.0  | 528.8  | 471.7  | 447.6  | 428.6  |
| 60°    | 660.7  | 771.0  | 819.2  | 833.2  | 773.6  | 649.3  | 542.8  | 464.1  | 421.0  | 398.2  | 380.4  |
| 62.5°  | 569.4  | 658.2  | 708.9  | 712.7  | 686.1  | 569.4  | 473.0  | 407.1  | 370.3  | 350.0  | 341.1  |
| 65°    | 480.6  | 560.5  | 590.9  | 606.2  | 584.6  | 493.3  | 408.3  | 353.8  | 324.6  | 306.9  | 298.0  |
| 67.5°  | 409.6  | 460.3  | 485.7  | 506.0  | 484.4  | 415.9  | 347.5  | 303.1  | 281.5  | 263.8  | 258.7  |
| 70°    | 336.1  | 377.9  | 396.9  | 417.2  | 398.2  | 346.2  | 296.7  | 256.2  | 237.1  | 223.2  | 216.8  |
| 72.5°  | 268.8  | 301.8  | 319.6  | 332.2  | 320.8  | 277.7  | 237.1  | 209.2  | 195.3  | 185.1  | 181.3  |
| 75°    | 213.0  | 235.9  | 246.0  | 254.9  | 249.8  | 216.8  | 191.5  | 168.7  | 156.0  | 147.1  | 144.6  |
| 77.5°  | 162.3  | 178.8  | 190.2  | 192.8  | 186.4  | 164.9  | 143.3  | 129.3  | 119.2  | 114.1  | 111.6  |
| 80°    | 115.4  | 125.5  | 131.9  | 135.7  | 129.3  | 120.5  | 105.3  | 95.1   | 86.2   | 79.9   | 78.6   |
| 82.5°  | 77.4   | 82.4   | 87.5   | 86.2   | 83.7   | 76.1   | 67.2   | 62.1   | 58.3   | 53.3   | 53.3   |
| 85°    | 44.4   | 45.7   | 48.2   | 49.5   | 48.2   | 43.1   | 38.0   | 35.5   | 33.0   | 29.2   | 29.2   |
| 87.5°  | 19.0   | 20.3   | 20.3   | 21.6   | 19.0   | 19.0   | 16.5   | 13.9   | 13.9   | 12.7   | 11.4   |
| 90°    | 7.4    | 6.5    | 6.0    | 5.4    | 4.2    | 2.9    | 1.7    | 0.5    | 1.7    | 2.9    | 4.2    |
| 92.5°  | 11.1   | 10.8   | 10.6   | 10.8   | 11.3   | 11.7   | 12.2   | 12.6   | 12.2   | 11.7   | 11.3   |
| 95°    | 17.3   | 16.5   | 16.1   | 17.9   | 21.6   | 25.3   | 29.0   | 32.7   | 29.0   | 25.3   | 21.6   |
| 97.5°  | 20.3   | 18.5   | 17.6   | 22.2   | 31.3   | 40.5   | 49.6   | 58.8   | 49.6   | 40.5   | 31.3   |
| 100°   | 23.0   | 21.1   | 20.1   | 27.8   | 43.1   | 58.4   | 73.7   | 89.0   | 73.7   | 58.4   | 43.1   |
| 102.5° | 90.7   | 111.0  | 121.2  | 121.3  | 121.5  | 121.8  | 122.0  | 122.2  | 122.0  | 121.8  | 121.5  |
| 105°   | 122.2  | 152.7  | 167.9  | 166.2  | 162.9  | 159.5  | 156.2  | 152.8  | 156.2  | 159.5  | 162.9  |
| 107.5° | 144.6  | 182.3  | 201.1  | 199.7  | 196.9  | 194.1  | 191.3  | 188.5  | 191.3  | 194.1  | 196.9  |
| 110°   | 184.9  | 217.2  | 233.3  | 232.1  | 229.8  | 227.4  | 225.1  | 222.7  | 225.1  | 227.4  | 229.8  |

TEST NUMBER: P1008253

CATALOG NUMBER: S122DIP-B865D530UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 261.1 | 263.0 | 263.9  | 262.9 | 260.9 | 258.9 | 256.9 | 254.9 | 256.9 | 258.9 | 260.9 |
| 115°   | 301.8 | 299.0 | 297.6  | 296.7 | 294.8 | 292.9 | 291.0 | 289.1 | 291.0 | 292.9 | 294.8 |
| 117.5° | 331.6 | 329.7 | 328.8  | 327.7 | 325.4 | 323.2 | 320.9 | 318.7 | 320.9 | 323.2 | 325.4 |
| 120°   | 362.4 | 360.4 | 359.4  | 358.6 | 356.9 | 355.2 | 353.6 | 351.9 | 353.6 | 355.2 | 356.9 |
| 122.5° | 391.5 | 389.2 | 388.1  | 387.2 | 385.4 | 383.7 | 381.9 | 380.1 | 381.9 | 383.7 | 385.4 |
| 125°   | 418.4 | 416.3 | 415.2  | 414.5 | 413.0 | 411.6 | 410.1 | 408.7 | 410.1 | 411.6 | 413.0 |
| 127.5° | 444.4 | 442.7 | 441.9  | 441.1 | 439.6 | 438.0 | 436.5 | 434.9 | 436.5 | 438.0 | 439.6 |
| 130°   | 469.4 | 468.1 | 467.5  | 466.6 | 464.8 | 463.1 | 461.3 | 459.5 | 461.3 | 463.1 | 464.8 |
| 132.5° | 493.0 | 491.8 | 491.2  | 490.5 | 489.0 | 487.5 | 486.1 | 484.6 | 486.1 | 487.5 | 489.0 |
| 135°   | 515.3 | 514.3 | 513.8  | 512.9 | 511.1 | 509.3 | 507.5 | 505.7 | 507.5 | 509.3 | 511.1 |
| 137.5° | 535.6 | 534.5 | 533.9  | 533.2 | 531.9 | 530.6 | 529.2 | 527.9 | 529.2 | 530.6 | 531.9 |
| 140°   | 555.3 | 554.1 | 553.5  | 553.1 | 552.2 | 551.3 | 550.4 | 549.5 | 550.4 | 551.3 | 552.2 |
| 142.5° | 573.3 | 571.8 | 571.1  | 570.7 | 569.9 | 569.2 | 568.4 | 567.6 | 568.4 | 569.2 | 569.9 |
| 145°   | 589.0 | 587.1 | 586.2  | 586.3 | 586.4 | 586.5 | 586.6 | 586.7 | 586.6 | 586.5 | 586.4 |
| 147.5° | 604.6 | 602.7 | 601.8  | 602.0 | 602.3 | 602.6 | 603.0 | 603.3 | 603.0 | 602.6 | 602.3 |
| 150°   | 618.5 | 616.7 | 615.8  | 616.2 | 617.0 | 617.7 | 618.5 | 619.3 | 618.5 | 617.7 | 617.0 |
| 152.5° | 631.4 | 629.7 | 628.9  | 629.3 | 630.2 | 631.1 | 632.0 | 632.9 | 632.0 | 631.1 | 630.2 |
| 155°   | 643.5 | 642.2 | 641.5  | 642.0 | 643.0 | 644.0 | 645.0 | 646.0 | 645.0 | 644.0 | 643.0 |
| 157.5° | 654.0 | 653.0 | 652.5  | 652.9 | 653.8 | 654.7 | 655.6 | 656.5 | 655.6 | 654.7 | 653.8 |
| 160°   | 663.6 | 662.9 | 662.6  | 662.9 | 663.6 | 664.3 | 664.9 | 665.6 | 664.9 | 664.3 | 663.6 |
| 162.5° | 671.4 | 670.9 | 670.6  | 670.9 | 671.6 | 672.3 | 672.9 | 673.6 | 672.9 | 672.3 | 671.6 |
| 165°   | 678.2 | 677.9 | 677.7  | 678.0 | 678.7 | 679.4 | 680.0 | 680.7 | 680.0 | 679.4 | 678.7 |
| 167.5° | 683.7 | 683.4 | 683.2  | 683.5 | 684.2 | 684.9 | 685.5 | 686.2 | 685.5 | 684.9 | 684.2 |
| 170°   | 688.0 | 687.8 | 687.7  | 688.0 | 688.7 | 689.4 | 690.0 | 690.7 | 690.0 | 689.4 | 688.7 |
| 172.5° | 691.0 | 690.8 | 690.7  | 691.0 | 691.7 | 692.4 | 693.0 | 693.7 | 693.0 | 692.4 | 691.7 |
| 175°   | 693.0 | 692.8 | 692.7  | 693.1 | 693.9 | 694.7 | 695.5 | 696.3 | 695.5 | 694.7 | 693.9 |
| 177.5° | 693.9 | 693.8 | 693.7  | 694.1 | 694.9 | 695.7 | 696.5 | 697.3 | 696.5 | 695.7 | 694.9 |
| 180°   | 694.8 | 694.8 | 694.8  | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 |

TEST NUMBER: P1008253

CATALOG NUMBER: S122DIP-B865D530UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 |
| 2.5°   | 1632.1 | 1638.4 | 1637.1 | 1624.5 | 1610.5 | 1599.1 | 1577.5 | 1580.1 | 1572.5 | 1573.7 | 1581.3 |
| 5°     | 1591.5 | 1591.5 | 1586.4 | 1568.7 | 1545.8 | 1533.2 | 1509.1 | 1502.7 | 1487.5 | 1486.2 | 1485.0 |
| 7.5°   | 1548.4 | 1542.0 | 1535.7 | 1510.3 | 1482.4 | 1462.1 | 1429.2 | 1421.6 | 1406.3 | 1396.2 | 1391.1 |
| 10°    | 1497.6 | 1488.8 | 1476.1 | 1446.9 | 1412.7 | 1387.3 | 1353.1 | 1342.9 | 1313.8 | 1301.1 | 1293.5 |
| 12.5°  | 1441.8 | 1436.8 | 1416.5 | 1392.4 | 1336.6 | 1308.7 | 1259.2 | 1269.4 | 1240.2 | 1214.9 | 1211.0 |
| 15°    | 1386.0 | 1367.0 | 1355.6 | 1316.3 | 1249.1 | 1236.4 | 1197.1 | 1176.8 | 1150.2 | 1129.9 | 1129.9 |
| 17.5°  | 1331.5 | 1302.4 | 1277.0 | 1235.1 | 1185.7 | 1150.2 | 1121.0 | 1110.9 | 1077.9 | 1057.6 | 1053.8 |
| 20°    | 1259.2 | 1226.3 | 1219.9 | 1160.3 | 1126.1 | 1086.8 | 1058.9 | 1033.5 | 1009.4 | 1000.5 | 994.2  |
| 22.5°  | 1190.8 | 1152.7 | 1142.6 | 1091.8 | 1057.6 | 1018.3 | 990.4  | 972.6  | 954.9  | 948.5  | 937.1  |
| 25°    | 1117.2 | 1094.4 | 1079.2 | 1024.6 | 986.6  | 949.8  | 930.8  | 918.1  | 901.6  | 900.4  | 892.8  |
| 27.5°  | 1046.2 | 1024.6 | 1009.4 | 957.4  | 929.5  | 895.3  | 880.1  | 866.1  | 857.2  | 853.4  | 849.6  |
| 30°    | 985.3  | 961.2  | 943.5  | 905.4  | 871.2  | 843.3  | 830.6  | 821.7  | 816.7  | 810.3  | 809.1  |
| 32.5°  | 918.1  | 904.2  | 880.1  | 850.9  | 824.3  | 797.6  | 790.0  | 783.7  | 776.1  | 773.6  | 772.3  |
| 35°    | 861.1  | 842.0  | 826.8  | 793.8  | 782.4  | 759.6  | 750.7  | 745.7  | 735.5  | 733.0  | 730.4  |
| 37.5°  | 805.3  | 787.5  | 771.0  | 750.7  | 729.2  | 716.5  | 711.4  | 703.8  | 698.7  | 700.0  | 697.5  |
| 40°    | 749.5  | 735.5  | 722.8  | 701.3  | 688.6  | 682.2  | 672.1  | 664.5  | 662.0  | 663.2  | 662.0  |
| 42.5°  | 694.9  | 682.2  | 674.6  | 658.2  | 645.5  | 639.1  | 632.8  | 625.2  | 629.0  | 629.0  | 632.8  |
| 45°    | 645.5  | 634.1  | 629.0  | 616.3  | 608.7  | 598.6  | 592.2  | 590.9  | 596.0  | 594.7  | 594.7  |
| 47.5°  | 594.7  | 590.9  | 584.6  | 573.2  | 563.0  | 556.7  | 555.4  | 555.4  | 560.5  | 563.0  | 561.8  |
| 50°    | 555.4  | 547.8  | 540.2  | 531.3  | 523.7  | 521.2  | 517.4  | 519.9  | 525.0  | 525.0  | 527.5  |
| 52.5°  | 506.0  | 500.9  | 498.4  | 490.8  | 485.7  | 485.7  | 485.7  | 487.0  | 490.8  | 494.6  | 493.3  |
| 55°    | 462.9  | 459.1  | 456.5  | 452.7  | 446.4  | 447.6  | 446.4  | 448.9  | 452.7  | 456.5  | 459.1  |
| 57.5°  | 417.2  | 415.9  | 413.4  | 407.1  | 407.1  | 405.8  | 409.6  | 410.9  | 417.2  | 419.7  | 423.6  |
| 60°    | 376.6  | 372.8  | 372.8  | 367.8  | 367.8  | 367.8  | 371.6  | 375.4  | 380.4  | 381.7  | 384.2  |
| 62.5°  | 333.5  | 333.5  | 332.2  | 328.4  | 328.4  | 332.2  | 333.5  | 338.6  | 341.1  | 341.1  | 344.9  |
| 65°    | 292.9  | 291.7  | 290.4  | 291.7  | 292.9  | 292.9  | 296.7  | 299.3  | 301.8  | 303.1  | 304.3  |
| 67.5°  | 252.4  | 251.1  | 253.6  | 252.4  | 254.9  | 260.0  | 258.7  | 262.5  | 266.3  | 266.3  | 267.6  |
| 70°    | 214.3  | 216.8  | 215.6  | 218.1  | 216.8  | 219.4  | 223.2  | 224.5  | 224.5  | 225.7  | 229.5  |
| 72.5°  | 178.8  | 178.8  | 178.8  | 177.5  | 178.8  | 181.3  | 183.9  | 185.1  | 187.7  | 188.9  | 192.8  |
| 75°    | 144.6  | 144.6  | 142.0  | 144.6  | 144.6  | 147.1  | 149.6  | 149.6  | 149.6  | 152.2  | 156.0  |
| 77.5°  | 109.1  | 110.3  | 109.1  | 111.6  | 111.6  | 112.9  | 115.4  | 114.1  | 116.7  | 117.9  | 119.2  |
| 80°    | 79.9   | 78.6   | 78.6   | 78.6   | 79.9   | 79.9   | 82.4   | 83.7   | 83.7   | 87.5   | 85.0   |
| 82.5°  | 50.7   | 52.0   | 50.7   | 52.0   | 52.0   | 53.3   | 52.0   | 53.3   | 54.5   | 57.1   | 55.8   |
| 85°    | 29.2   | 27.9   | 27.9   | 29.2   | 27.9   | 27.9   | 29.2   | 27.9   | 29.2   | 27.9   | 29.2   |
| 87.5°  | 11.4   | 10.1   | 10.1   | 10.1   | 10.1   | 8.9    | 8.9    | 7.6    | 7.6    | 7.6    | 6.3    |
| 90°    | 5.4    | 6.0    | 6.5    | 7.4    | 8.3    | 9.2    | 10.1   | 10.7   | 11.2   | 11.8   | 12.3   |
| 92.5°  | 10.8   | 10.6   | 10.8   | 11.1   | 11.4   | 11.8   | 12.1   | 12.3   | 12.5   | 12.8   | 13.0   |
| 95°    | 17.9   | 16.1   | 16.5   | 17.3   | 18.0   | 18.8   | 19.6   | 20.2   | 20.7   | 21.3   | 21.8   |
| 97.5°  | 22.2   | 17.6   | 18.5   | 20.3   | 22.0   | 23.8   | 25.6   | 25.9   | 26.3   | 26.6   | 26.9   |
| 100°   | 27.8   | 20.1   | 21.1   | 23.0   | 24.9   | 26.8   | 28.7   | 29.6   | 30.5   | 31.4   | 32.3   |
| 102.5° | 121.3  | 121.2  | 111.0  | 90.7   | 70.4   | 50.0   | 29.7   | 30.9   | 32.1   | 33.4   | 34.6   |
| 105°   | 166.2  | 167.9  | 152.7  | 122.2  | 91.7   | 61.2   | 30.7   | 31.9   | 33.1   | 34.4   | 35.6   |
| 107.5° | 199.7  | 201.1  | 182.3  | 144.6  | 107.0  | 69.3   | 31.7   | 32.9   | 34.1   | 35.4   | 36.6   |
| 110°   | 232.1  | 233.3  | 217.2  | 184.9  | 152.6  | 120.3  | 88.0   | 76.8   | 65.6   | 54.5   | 43.3   |

TEST NUMBER: P1008253

CATALOG NUMBER: S122DIP-B865D530UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 262.9 | 263.9  | 263.0 | 261.1 | 259.2 | 257.3 | 255.4 | 207.2 | 159.1 | 110.9 | 62.8  |
| 115°   | 296.7 | 297.6  | 299.0 | 301.8 | 304.6 | 307.4 | 310.2 | 258.5 | 206.7 | 155.0 | 103.3 |
| 117.5° | 327.7 | 328.8  | 329.7 | 331.6 | 333.5 | 335.4 | 337.3 | 321.3 | 305.3 | 289.4 | 273.4 |
| 120°   | 358.6 | 359.4  | 360.4 | 362.4 | 364.5 | 366.5 | 368.5 | 369.8 | 371.2 | 372.5 | 373.8 |
| 122.5° | 387.2 | 388.1  | 389.2 | 391.5 | 393.7 | 396.0 | 398.2 | 398.9 | 399.5 | 400.2 | 400.9 |
| 125°   | 414.5 | 415.2  | 416.3 | 418.4 | 420.5 | 422.7 | 424.8 | 425.6 | 426.4 | 427.1 | 427.9 |
| 127.5° | 441.1 | 441.9  | 442.7 | 444.4 | 446.1 | 447.7 | 449.4 | 450.5 | 451.7 | 452.8 | 453.9 |
| 130°   | 466.6 | 467.5  | 468.1 | 469.4 | 470.6 | 471.9 | 473.1 | 474.3 | 475.5 | 476.8 | 478.0 |
| 132.5° | 490.5 | 491.2  | 491.8 | 493.0 | 494.3 | 495.5 | 496.7 | 497.7 | 498.7 | 499.7 | 500.7 |
| 135°   | 512.9 | 513.8  | 514.3 | 515.3 | 516.3 | 517.3 | 518.3 | 519.4 | 520.5 | 521.6 | 522.7 |
| 137.5° | 533.2 | 533.9  | 534.5 | 535.6 | 536.7 | 537.8 | 538.9 | 540.0 | 541.1 | 542.2 | 543.3 |
| 140°   | 553.1 | 553.5  | 554.1 | 555.3 | 556.6 | 557.8 | 559.0 | 560.0 | 561.0 | 562.0 | 563.0 |
| 142.5° | 570.7 | 571.1  | 571.8 | 573.3 | 574.7 | 576.2 | 577.6 | 578.5 | 579.4 | 580.3 | 581.2 |
| 145°   | 586.3 | 586.2  | 587.1 | 589.0 | 590.9 | 592.8 | 594.7 | 595.5 | 596.3 | 597.0 | 597.8 |
| 147.5° | 602.0 | 601.8  | 602.7 | 604.6 | 606.5 | 608.4 | 610.3 | 610.9 | 611.4 | 612.0 | 612.5 |
| 150°   | 616.2 | 615.8  | 616.7 | 618.5 | 620.3 | 622.1 | 623.9 | 624.6 | 625.2 | 625.9 | 626.6 |
| 152.5° | 629.3 | 628.9  | 629.7 | 631.4 | 633.1 | 634.7 | 636.4 | 637.1 | 637.8 | 638.5 | 639.2 |
| 155°   | 642.0 | 641.5  | 642.2 | 643.5 | 644.8 | 646.2 | 647.5 | 648.2 | 648.8 | 649.5 | 650.2 |
| 157.5° | 652.9 | 652.5  | 653.0 | 654.0 | 655.1 | 656.1 | 657.1 | 657.9 | 658.7 | 659.4 | 660.2 |
| 160°   | 662.9 | 662.6  | 662.9 | 663.6 | 664.3 | 664.9 | 665.6 | 666.3 | 666.9 | 667.6 | 668.3 |
| 162.5° | 670.9 | 670.6  | 670.9 | 671.4 | 672.0 | 672.5 | 673.1 | 673.9 | 674.7 | 675.5 | 676.3 |
| 165°   | 678.0 | 677.7  | 677.9 | 678.2 | 678.5 | 678.9 | 679.2 | 680.0 | 680.8 | 681.5 | 682.3 |
| 167.5° | 683.5 | 683.2  | 683.4 | 683.7 | 684.0 | 684.4 | 684.7 | 685.5 | 686.3 | 687.0 | 687.8 |
| 170°   | 688.0 | 687.7  | 687.8 | 688.0 | 688.3 | 688.5 | 688.7 | 689.5 | 690.3 | 691.0 | 691.8 |
| 172.5° | 691.0 | 690.7  | 690.8 | 691.0 | 691.3 | 691.5 | 691.7 | 692.5 | 693.3 | 694.1 | 694.9 |
| 175°   | 693.1 | 692.7  | 692.8 | 693.0 | 693.3 | 693.5 | 693.7 | 694.5 | 695.3 | 696.1 | 696.9 |
| 177.5° | 694.1 | 693.7  | 693.8 | 693.9 | 694.0 | 694.2 | 694.3 | 695.1 | 695.9 | 696.6 | 697.4 |
| 180°   | 694.8 | 694.8  | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 |

TEST NUMBER: P1008253

CATALOG NUMBER: S122DIP-B865D530UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 |
| 2.5°   | 1572.5 | 1576.3 | 1567.4 | 1564.9 | 1567.4 | 1558.5 | 1561.0 | 1563.6 | 1563.6 | 1567.4 | 1569.9 |
| 5°     | 1481.2 | 1476.1 | 1467.2 | 1464.7 | 1462.1 | 1465.9 | 1463.4 | 1467.2 | 1468.5 | 1477.4 | 1478.6 |
| 7.5°   | 1391.1 | 1383.5 | 1375.9 | 1368.3 | 1365.8 | 1359.4 | 1365.8 | 1365.8 | 1374.6 | 1372.1 | 1378.4 |
| 10°    | 1284.6 | 1283.3 | 1273.2 | 1269.4 | 1264.3 | 1254.2 | 1268.1 | 1264.3 | 1270.7 | 1282.1 | 1284.6 |
| 12.5°  | 1206.0 | 1192.0 | 1198.4 | 1180.6 | 1187.0 | 1176.8 | 1178.1 | 1178.1 | 1188.2 | 1189.5 | 1187.0 |
| 15°    | 1131.2 | 1119.7 | 1103.3 | 1095.7 | 1091.8 | 1086.8 | 1103.3 | 1104.5 | 1096.9 | 1114.7 | 1108.3 |
| 17.5°  | 1055.1 | 1055.1 | 1039.9 | 1036.0 | 1025.9 | 1031.0 | 1028.4 | 1029.7 | 1027.2 | 1039.9 | 1046.2 |
| 20°    | 989.1  | 982.8  | 977.7  | 979.0  | 966.3  | 963.8  | 961.2  | 963.8  | 972.6  | 981.5  | 984.1  |
| 22.5°  | 935.9  | 932.1  | 919.4  | 921.9  | 911.8  | 915.6  | 913.0  | 919.4  | 920.7  | 920.7  | 929.5  |
| 25°    | 885.1  | 880.1  | 881.3  | 876.3  | 872.5  | 872.5  | 868.7  | 872.5  | 877.5  | 880.1  | 881.3  |
| 27.5°  | 847.1  | 843.3  | 837.0  | 833.2  | 835.7  | 829.3  | 834.4  | 838.2  | 838.2  | 835.7  | 838.2  |
| 30°    | 801.4  | 804.0  | 804.0  | 791.3  | 796.4  | 793.8  | 797.6  | 800.2  | 800.2  | 801.4  | 798.9  |
| 32.5°  | 771.0  | 763.4  | 762.1  | 760.9  | 760.9  | 755.8  | 755.8  | 759.6  | 760.9  | 762.1  | 765.9  |
| 35°    | 730.4  | 730.4  | 724.1  | 727.9  | 722.8  | 724.1  | 722.8  | 724.1  | 726.6  | 722.8  | 726.6  |
| 37.5°  | 693.7  | 694.9  | 692.4  | 694.9  | 696.2  | 693.7  | 691.1  | 696.2  | 693.7  | 693.7  | 691.1  |
| 40°    | 662.0  | 660.7  | 662.0  | 662.0  | 662.0  | 663.2  | 660.7  | 660.7  | 660.7  | 658.2  | 655.6  |
| 42.5°  | 635.3  | 627.7  | 630.3  | 631.5  | 627.7  | 627.7  | 629.0  | 627.7  | 631.5  | 623.9  | 623.9  |
| 45°    | 597.3  | 594.7  | 596.0  | 596.0  | 598.6  | 594.7  | 597.3  | 598.6  | 594.7  | 593.5  | 590.9  |
| 47.5°  | 563.0  | 565.6  | 563.0  | 565.6  | 565.6  | 568.1  | 563.0  | 564.3  | 565.6  | 560.5  | 556.7  |
| 50°    | 528.8  | 528.8  | 532.6  | 531.3  | 532.6  | 530.1  | 530.1  | 528.8  | 530.1  | 527.5  | 523.7  |
| 52.5°  | 497.1  | 493.3  | 499.6  | 498.4  | 497.1  | 495.8  | 494.6  | 495.8  | 493.3  | 490.8  | 490.8  |
| 55°    | 457.8  | 457.8  | 461.6  | 462.9  | 462.9  | 460.3  | 457.8  | 459.1  | 457.8  | 456.5  | 455.3  |
| 57.5°  | 426.1  | 421.0  | 423.6  | 424.8  | 424.8  | 421.0  | 423.6  | 421.0  | 421.0  | 422.3  | 418.5  |
| 60°    | 385.5  | 385.5  | 383.0  | 386.8  | 386.8  | 384.2  | 384.2  | 385.5  | 383.0  | 381.7  | 380.4  |
| 62.5°  | 342.4  | 343.7  | 347.5  | 348.7  | 350.0  | 347.5  | 344.9  | 346.2  | 346.2  | 342.4  | 343.7  |
| 65°    | 305.6  | 308.2  | 313.2  | 312.0  | 309.4  | 310.7  | 308.2  | 309.4  | 305.6  | 306.9  | 303.1  |
| 67.5°  | 270.1  | 268.8  | 270.1  | 270.1  | 272.6  | 271.4  | 268.8  | 268.8  | 267.6  | 271.4  | 267.6  |
| 70°    | 232.1  | 232.1  | 232.1  | 232.1  | 233.3  | 234.6  | 232.1  | 229.5  | 230.8  | 228.3  | 227.0  |
| 72.5°  | 192.8  | 194.0  | 192.8  | 195.3  | 191.5  | 194.0  | 194.0  | 192.8  | 191.5  | 191.5  | 191.5  |
| 75°    | 156.0  | 158.5  | 154.7  | 156.0  | 154.7  | 157.2  | 156.0  | 156.0  | 153.4  | 152.2  | 153.4  |
| 77.5°  | 119.2  | 120.5  | 117.9  | 119.2  | 117.9  | 119.2  | 119.2  | 117.9  | 117.9  | 117.9  | 117.9  |
| 80°    | 85.0   | 86.2   | 85.0   | 83.7   | 82.4   | 85.0   | 82.4   | 83.7   | 85.0   | 83.7   | 86.2   |
| 82.5°  | 54.5   | 54.5   | 53.3   | 54.5   | 52.0   | 52.0   | 53.3   | 53.3   | 52.0   | 54.5   | 52.0   |
| 85°    | 26.6   | 26.6   | 29.2   | 26.6   | 25.4   | 25.4   | 25.4   | 26.6   | 25.4   | 27.9   | 26.6   |
| 87.5°  | 6.3    | 5.1    | 6.3    | 6.3    | 5.1    | 5.1    | 6.3    | 5.1    | 6.3    | 7.6    | 5.1    |
| 90°    | 12.6   | 12.7   | 12.9   | 13.2   | 13.4   | 13.6   | 13.4   | 13.2   | 12.9   | 12.7   | 12.6   |
| 92.5°  | 13.1   | 13.2   | 13.3   | 13.4   | 13.5   | 13.6   | 13.5   | 13.4   | 13.3   | 13.2   | 13.1   |
| 95°    | 22.1   | 22.0   | 21.9   | 21.8   | 21.7   | 21.6   | 21.7   | 21.8   | 21.9   | 22.0   | 22.1   |
| 97.5°  | 27.1   | 27.2   | 27.3   | 27.4   | 27.5   | 27.6   | 27.5   | 27.4   | 27.3   | 27.2   | 27.1   |
| 100°   | 32.7   | 32.8   | 33.0   | 33.3   | 33.5   | 33.7   | 33.5   | 33.3   | 33.0   | 32.8   | 32.7   |
| 102.5° | 35.2   | 35.4   | 35.7   | 36.0   | 36.4   | 36.7   | 36.4   | 36.0   | 35.7   | 35.4   | 35.2   |
| 105°   | 36.2   | 36.4   | 36.9   | 37.3   | 37.8   | 38.2   | 37.8   | 37.3   | 36.9   | 36.4   | 36.2   |
| 107.5° | 37.2   | 37.4   | 37.9   | 38.3   | 38.8   | 39.2   | 38.8   | 38.3   | 37.9   | 37.4   | 37.2   |
| 110°   | 37.7   | 37.9   | 38.4   | 38.8   | 39.3   | 39.7   | 39.3   | 38.8   | 38.4   | 37.9   | 37.7   |

TEST NUMBER: P1008253

CATALOG NUMBER: S122DIP-B865D530UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 38.7   | 38.9  | 39.2  | 39.5  | 39.9  | 40.2  | 39.9  | 39.5  | 39.2  | 38.9  | 38.7   |
| 115°   | 77.4   | 73.4  | 65.3  | 57.3  | 49.2  | 41.2  | 49.2  | 57.3  | 65.3  | 73.4  | 77.4   |
| 117.5° | 265.4  | 250.8 | 221.5 | 192.2 | 163.0 | 133.7 | 163.0 | 192.2 | 221.5 | 250.8 | 265.4  |
| 120°   | 374.5  | 367.0 | 351.9 | 336.8 | 321.8 | 306.7 | 321.8 | 336.8 | 351.9 | 367.0 | 374.5  |
| 122.5° | 401.2  | 401.3 | 401.4 | 401.5 | 401.6 | 401.7 | 401.6 | 401.5 | 401.4 | 401.3 | 401.2  |
| 125°   | 428.3  | 428.5 | 428.8 | 429.1 | 429.5 | 429.8 | 429.5 | 429.1 | 428.8 | 428.5 | 428.3  |
| 127.5° | 454.5  | 454.6 | 454.7 | 454.8 | 454.9 | 455.0 | 454.9 | 454.8 | 454.7 | 454.6 | 454.5  |
| 130°   | 478.6  | 478.5 | 478.4 | 478.3 | 478.2 | 478.1 | 478.2 | 478.3 | 478.4 | 478.5 | 478.6  |
| 132.5° | 501.2  | 501.1 | 501.0 | 500.9 | 500.8 | 500.7 | 500.8 | 500.9 | 501.0 | 501.1 | 501.2  |
| 135°   | 523.3  | 523.2 | 523.0 | 522.7 | 522.5 | 522.3 | 522.5 | 522.7 | 523.0 | 523.2 | 523.3  |
| 137.5° | 543.9  | 543.7 | 543.4 | 543.1 | 542.7 | 542.4 | 542.7 | 543.1 | 543.4 | 543.7 | 543.9  |
| 140°   | 563.5  | 563.2 | 562.7 | 562.1 | 561.6 | 561.0 | 561.6 | 562.1 | 562.7 | 563.2 | 563.5  |
| 142.5° | 581.6  | 581.3 | 580.8 | 580.2 | 579.7 | 579.1 | 579.7 | 580.2 | 580.8 | 581.3 | 581.6  |
| 145°   | 598.2  | 597.9 | 597.4 | 596.8 | 596.3 | 595.7 | 596.3 | 596.8 | 597.4 | 597.9 | 598.2  |
| 147.5° | 612.8  | 612.6 | 612.1 | 611.7 | 611.2 | 610.8 | 611.2 | 611.7 | 612.1 | 612.6 | 612.8  |
| 150°   | 626.9  | 626.6 | 626.1 | 625.5 | 625.0 | 624.4 | 625.0 | 625.5 | 626.1 | 626.6 | 626.9  |
| 152.5° | 639.5  | 639.1 | 638.3 | 637.5 | 636.7 | 635.9 | 636.7 | 637.5 | 638.3 | 639.1 | 639.5  |
| 155°   | 650.5  | 650.1 | 649.2 | 648.3 | 647.4 | 646.5 | 647.4 | 648.3 | 649.2 | 650.1 | 650.5  |
| 157.5° | 660.6  | 660.1 | 659.2 | 658.3 | 657.4 | 656.5 | 657.4 | 658.3 | 659.2 | 660.1 | 660.6  |
| 160°   | 668.6  | 668.2 | 667.4 | 666.7 | 665.9 | 665.1 | 665.9 | 666.7 | 667.4 | 668.2 | 668.6  |
| 162.5° | 676.7  | 676.2 | 675.2 | 674.1 | 673.1 | 672.1 | 673.1 | 674.1 | 675.2 | 676.2 | 676.7  |
| 165°   | 682.7  | 682.3 | 681.5 | 680.8 | 680.0 | 679.2 | 680.0 | 680.8 | 681.5 | 682.3 | 682.7  |
| 167.5° | 688.2  | 687.7 | 686.7 | 685.7 | 684.7 | 683.7 | 684.7 | 685.7 | 686.7 | 687.7 | 688.2  |
| 170°   | 692.2  | 691.7 | 690.7 | 689.7 | 688.7 | 687.7 | 688.7 | 689.7 | 690.7 | 691.7 | 692.2  |
| 172.5° | 695.3  | 694.8 | 693.8 | 692.7 | 691.7 | 690.7 | 691.7 | 692.7 | 693.8 | 694.8 | 695.3  |
| 175°   | 697.3  | 696.7 | 695.6 | 694.5 | 693.3 | 692.2 | 693.3 | 694.5 | 695.6 | 696.7 | 697.3  |
| 177.5° | 697.8  | 697.3 | 696.3 | 695.2 | 694.2 | 693.2 | 694.2 | 695.2 | 696.3 | 697.3 | 697.8  |
| 180°   | 694.8  | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8  |

TEST NUMBER: P1008253

CATALOG NUMBER: S122DIP-B865D530UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 | 1649.8 |
| 2.5°   | 1566.1 | 1576.3 | 1572.5 | 1558.5 | 1575.0 | 1575.0 | 1586.4 | 1586.4 | 1600.4 | 1605.4 | 1613.0 |
| 5°     | 1477.4 | 1485.0 | 1491.3 | 1485.0 | 1496.4 | 1514.1 | 1524.3 | 1533.2 | 1552.2 | 1559.8 | 1571.2 |
| 7.5°   | 1382.2 | 1396.2 | 1402.5 | 1402.5 | 1421.6 | 1441.8 | 1462.1 | 1474.8 | 1501.4 | 1511.6 | 1523.0 |
| 10°    | 1289.7 | 1306.2 | 1318.8 | 1317.6 | 1349.3 | 1362.0 | 1387.3 | 1416.5 | 1443.1 | 1458.3 | 1474.8 |
| 12.5°  | 1192.0 | 1200.9 | 1218.7 | 1244.0 | 1251.6 | 1274.5 | 1303.6 | 1340.4 | 1388.6 | 1402.5 | 1426.6 |
| 15°    | 1110.9 | 1135.0 | 1148.9 | 1160.3 | 1178.1 | 1199.6 | 1231.3 | 1266.8 | 1315.0 | 1345.5 | 1370.8 |
| 17.5°  | 1042.4 | 1074.1 | 1083.0 | 1080.4 | 1103.3 | 1136.2 | 1173.0 | 1199.6 | 1242.8 | 1279.5 | 1303.6 |
| 20°    | 986.6  | 999.3  | 1014.5 | 1020.8 | 1038.6 | 1074.1 | 1109.6 | 1140.0 | 1175.5 | 1204.7 | 1232.6 |
| 22.5°  | 930.8  | 940.9  | 953.6  | 965.0  | 979.0  | 999.3  | 1033.5 | 1071.6 | 1105.8 | 1133.7 | 1165.4 |
| 25°    | 885.1  | 891.5  | 902.9  | 911.8  | 927.0  | 940.9  | 965.0  | 1006.9 | 1047.5 | 1063.9 | 1091.8 |
| 27.5°  | 840.8  | 845.8  | 853.4  | 863.6  | 871.2  | 885.1  | 906.7  | 940.9  | 982.8  | 999.3  | 1037.3 |
| 30°    | 801.4  | 805.3  | 812.9  | 817.9  | 821.7  | 838.2  | 854.7  | 881.3  | 913.0  | 935.9  | 963.8  |
| 32.5°  | 764.7  | 768.5  | 776.1  | 777.4  | 782.4  | 791.3  | 806.5  | 830.6  | 858.5  | 877.5  | 901.6  |
| 35°    | 724.1  | 726.6  | 734.2  | 736.8  | 740.6  | 748.2  | 759.6  | 777.4  | 802.7  | 816.7  | 838.2  |
| 37.5°  | 692.4  | 691.1  | 696.2  | 700.0  | 705.1  | 708.9  | 712.7  | 730.4  | 749.5  | 762.1  | 778.6  |
| 40°    | 658.2  | 655.6  | 656.9  | 662.0  | 664.5  | 669.6  | 669.6  | 687.3  | 700.0  | 710.1  | 722.8  |
| 42.5°  | 623.9  | 622.6  | 620.1  | 622.6  | 625.2  | 626.4  | 627.7  | 640.4  | 653.1  | 662.0  | 675.9  |
| 45°    | 589.7  | 588.4  | 585.9  | 587.1  | 587.1  | 589.7  | 593.5  | 598.6  | 607.4  | 615.0  | 622.6  |
| 47.5°  | 558.0  | 555.4  | 551.6  | 550.4  | 552.9  | 552.9  | 552.9  | 558.0  | 566.8  | 569.4  | 577.0  |
| 50°    | 525.0  | 521.2  | 516.1  | 513.6  | 513.6  | 512.3  | 514.9  | 516.1  | 523.7  | 526.3  | 532.6  |
| 52.5°  | 489.5  | 487.0  | 481.9  | 476.8  | 478.1  | 475.5  | 476.8  | 478.1  | 480.6  | 484.4  | 488.2  |
| 55°    | 454.0  | 448.9  | 445.1  | 443.8  | 440.0  | 440.0  | 436.2  | 441.3  | 440.0  | 441.3  | 446.4  |
| 57.5°  | 419.7  | 414.7  | 408.3  | 405.8  | 402.0  | 400.7  | 398.2  | 396.9  | 398.2  | 402.0  | 405.8  |
| 60°    | 379.2  | 376.6  | 372.8  | 369.0  | 366.5  | 362.7  | 360.1  | 360.1  | 358.9  | 358.9  | 360.1  |
| 62.5°  | 339.9  | 338.6  | 333.5  | 332.2  | 329.7  | 327.2  | 323.4  | 320.8  | 320.8  | 323.4  | 324.6  |
| 65°    | 301.8  | 300.5  | 296.7  | 295.5  | 289.1  | 286.6  | 285.3  | 284.1  | 281.5  | 281.5  | 281.5  |
| 67.5°  | 266.3  | 262.5  | 262.5  | 256.2  | 251.1  | 248.6  | 246.0  | 244.7  | 244.7  | 244.7  | 246.0  |
| 70°    | 227.0  | 227.0  | 223.2  | 219.4  | 214.3  | 215.6  | 211.8  | 208.0  | 208.0  | 205.4  | 206.7  |
| 72.5°  | 188.9  | 187.7  | 183.9  | 182.6  | 178.8  | 175.0  | 172.5  | 175.0  | 171.2  | 169.9  | 171.2  |
| 75°    | 152.2  | 150.9  | 148.4  | 145.8  | 147.1  | 143.3  | 139.5  | 138.2  | 138.2  | 135.7  | 135.7  |
| 77.5°  | 116.7  | 119.2  | 114.1  | 112.9  | 110.3  | 107.8  | 106.5  | 105.3  | 105.3  | 105.3  | 107.8  |
| 80°    | 81.2   | 82.4   | 82.4   | 79.9   | 81.2   | 77.4   | 77.4   | 77.4   | 73.6   | 74.8   | 76.1   |
| 82.5°  | 52.0   | 52.0   | 50.7   | 52.0   | 50.7   | 50.7   | 49.5   | 49.5   | 48.2   | 48.2   | 49.5   |
| 85°    | 29.2   | 27.9   | 26.6   | 29.2   | 27.9   | 27.9   | 26.6   | 26.6   | 26.6   | 26.6   | 26.6   |
| 87.5°  | 6.3    | 7.6    | 7.6    | 7.6    | 7.6    | 8.9    | 8.9    | 8.9    | 10.1   | 10.1   | 10.1   |
| 90°    | 12.3   | 11.8   | 11.2   | 10.7   | 10.1   | 9.2    | 8.3    | 7.4    | 6.5    | 6.0    | 5.4    |
| 92.5°  | 13.0   | 12.8   | 12.5   | 12.3   | 12.1   | 11.8   | 11.4   | 11.1   | 10.8   | 10.6   | 10.8   |
| 95°    | 21.8   | 21.3   | 20.7   | 20.2   | 19.6   | 18.8   | 18.0   | 17.3   | 16.5   | 16.1   | 17.9   |
| 97.5°  | 26.9   | 26.6   | 26.3   | 25.9   | 25.6   | 23.8   | 22.0   | 20.3   | 18.5   | 17.6   | 22.2   |
| 100°   | 32.3   | 31.4   | 30.5   | 29.6   | 28.7   | 26.8   | 24.9   | 23.0   | 21.1   | 20.1   | 27.8   |
| 102.5° | 34.6   | 33.4   | 32.1   | 30.9   | 29.7   | 50.0   | 70.4   | 90.7   | 111.0  | 121.2  | 121.3  |
| 105°   | 35.6   | 34.4   | 33.1   | 31.9   | 30.7   | 61.2   | 91.7   | 122.2  | 152.7  | 167.9  | 166.2  |
| 107.5° | 36.6   | 35.4   | 34.1   | 32.9   | 31.7   | 69.3   | 107.0  | 144.6  | 182.3  | 201.1  | 199.7  |
| 110°   | 43.3   | 54.5   | 65.6   | 76.8   | 88.0   | 120.3  | 152.6  | 184.9  | 217.2  | 233.3  | 232.1  |

TEST NUMBER: P1008253

CATALOG NUMBER: S122DIP-B865D530UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 62.8  | 110.9 | 159.1 | 207.2 | 255.4 | 257.3 | 259.2 | 261.1 | 263.0 | 263.9  | 262.9 |
| 115°   | 103.3 | 155.0 | 206.7 | 258.5 | 310.2 | 307.4 | 304.6 | 301.8 | 299.0 | 297.6  | 296.7 |
| 117.5° | 273.4 | 289.4 | 305.3 | 321.3 | 337.3 | 335.4 | 333.5 | 331.6 | 329.7 | 328.8  | 327.7 |
| 120°   | 373.8 | 372.5 | 371.2 | 369.8 | 368.5 | 366.5 | 364.5 | 362.4 | 360.4 | 359.4  | 358.6 |
| 122.5° | 400.9 | 400.2 | 399.5 | 398.9 | 398.2 | 396.0 | 393.7 | 391.5 | 389.2 | 388.1  | 387.2 |
| 125°   | 427.9 | 427.1 | 426.4 | 425.6 | 424.8 | 422.7 | 420.5 | 418.4 | 416.3 | 415.2  | 414.5 |
| 127.5° | 453.9 | 452.8 | 451.7 | 450.5 | 449.4 | 447.7 | 446.1 | 444.4 | 442.7 | 441.9  | 441.1 |
| 130°   | 478.0 | 476.8 | 475.5 | 474.3 | 473.1 | 471.9 | 470.6 | 469.4 | 468.1 | 467.5  | 466.6 |
| 132.5° | 500.7 | 499.7 | 498.7 | 497.7 | 496.7 | 495.5 | 494.3 | 493.0 | 491.8 | 491.2  | 490.5 |
| 135°   | 522.7 | 521.6 | 520.5 | 519.4 | 518.3 | 517.3 | 516.3 | 515.3 | 514.3 | 513.8  | 512.9 |
| 137.5° | 543.3 | 542.2 | 541.1 | 540.0 | 538.9 | 537.8 | 536.7 | 535.6 | 534.5 | 533.9  | 533.2 |
| 140°   | 563.0 | 562.0 | 561.0 | 560.0 | 559.0 | 557.8 | 556.6 | 555.3 | 554.1 | 553.5  | 553.1 |
| 142.5° | 581.2 | 580.3 | 579.4 | 578.5 | 577.6 | 576.2 | 574.7 | 573.3 | 571.8 | 571.1  | 570.7 |
| 145°   | 597.8 | 597.0 | 596.3 | 595.5 | 594.7 | 592.8 | 590.9 | 589.0 | 587.1 | 586.2  | 586.3 |
| 147.5° | 612.5 | 612.0 | 611.4 | 610.9 | 610.3 | 608.4 | 606.5 | 604.6 | 602.7 | 601.8  | 602.0 |
| 150°   | 626.6 | 625.9 | 625.2 | 624.6 | 623.9 | 622.1 | 620.3 | 618.5 | 616.7 | 615.8  | 616.2 |
| 152.5° | 639.2 | 638.5 | 637.8 | 637.1 | 636.4 | 634.7 | 633.1 | 631.4 | 629.7 | 628.9  | 629.3 |
| 155°   | 650.2 | 649.5 | 648.8 | 648.2 | 647.5 | 646.2 | 644.8 | 643.5 | 642.2 | 641.5  | 642.0 |
| 157.5° | 660.2 | 659.4 | 658.7 | 657.9 | 657.1 | 656.1 | 655.1 | 654.0 | 653.0 | 652.5  | 652.9 |
| 160°   | 668.3 | 667.6 | 666.9 | 666.3 | 665.6 | 664.9 | 664.3 | 663.6 | 662.9 | 662.6  | 662.9 |
| 162.5° | 676.3 | 675.5 | 674.7 | 673.9 | 673.1 | 672.5 | 672.0 | 671.4 | 670.9 | 670.6  | 670.9 |
| 165°   | 682.3 | 681.5 | 680.8 | 680.0 | 679.2 | 678.9 | 678.5 | 678.2 | 677.9 | 677.7  | 678.0 |
| 167.5° | 687.8 | 687.0 | 686.3 | 685.5 | 684.7 | 684.4 | 684.0 | 683.7 | 683.4 | 683.2  | 683.5 |
| 170°   | 691.8 | 691.0 | 690.3 | 689.5 | 688.7 | 688.5 | 688.3 | 688.0 | 687.8 | 687.7  | 688.0 |
| 172.5° | 694.9 | 694.1 | 693.3 | 692.5 | 691.7 | 691.5 | 691.3 | 691.0 | 690.8 | 690.7  | 691.0 |
| 175°   | 696.9 | 696.1 | 695.3 | 694.5 | 693.7 | 693.5 | 693.3 | 693.0 | 692.8 | 692.7  | 693.1 |
| 177.5° | 697.4 | 696.6 | 695.9 | 695.1 | 694.3 | 694.2 | 694.0 | 693.9 | 693.8 | 693.7  | 694.1 |
| 180°   | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8 | 694.8  | 694.8 |

TEST NUMBER: P1008253

CATALOG NUMBER: S122DIP-B865D530UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1649.8 | 1649.8 | 1649.8 | 1649.8 |
| 2.5°   | 1619.4 | 1619.4 | 1638.4 | 1658.7 |
| 5°     | 1583.9 | 1592.8 | 1623.2 | 1651.1 |
| 7.5°   | 1549.6 | 1564.9 | 1602.9 | 1638.4 |
| 10°    | 1507.8 | 1528.1 | 1575.0 | 1616.8 |
| 12.5°  | 1467.2 | 1486.2 | 1540.8 | 1587.7 |
| 15°    | 1410.1 | 1434.2 | 1492.6 | 1550.9 |
| 17.5°  | 1353.1 | 1377.2 | 1448.2 | 1516.7 |
| 20°    | 1285.9 | 1317.6 | 1397.5 | 1488.8 |
| 22.5°  | 1223.7 | 1263.0 | 1351.8 | 1425.4 |
| 25°    | 1155.3 | 1216.1 | 1298.5 | 1393.7 |
| 27.5°  | 1094.4 | 1155.3 | 1238.9 | 1335.3 |
| 30°    | 1025.9 | 1088.0 | 1174.3 | 1263.0 |
| 32.5°  | 960.0  | 1017.0 | 1100.7 | 1209.8 |
| 35°    | 891.5  | 946.0  | 1027.2 | 1137.5 |
| 37.5°  | 829.3  | 882.6  | 971.4  | 1072.8 |
| 40°    | 768.5  | 824.3  | 900.4  | 1001.8 |
| 42.5°  | 711.4  | 760.9  | 829.3  | 930.8  |
| 45°    | 659.4  | 694.9  | 758.3  | 853.4  |
| 47.5°  | 604.9  | 636.6  | 694.9  | 790.0  |
| 50°    | 554.2  | 580.8  | 631.5  | 720.3  |
| 52.5°  | 504.7  | 527.5  | 574.5  | 645.5  |
| 55°    | 460.3  | 481.9  | 516.1  | 585.9  |
| 57.5°  | 414.7  | 431.2  | 464.1  | 519.9  |
| 60°    | 370.3  | 385.5  | 412.1  | 457.8  |
| 62.5°  | 325.9  | 338.6  | 363.9  | 400.7  |
| 65°    | 286.6  | 296.7  | 315.8  | 347.5  |
| 67.5°  | 248.6  | 254.9  | 270.1  | 295.5  |
| 70°    | 211.8  | 216.8  | 229.5  | 249.8  |
| 72.5°  | 172.5  | 177.5  | 191.5  | 205.4  |
| 75°    | 139.5  | 140.8  | 150.9  | 162.3  |
| 77.5°  | 109.1  | 107.8  | 115.4  | 124.3  |
| 80°    | 74.8   | 78.6   | 85.0   | 88.8   |
| 82.5°  | 50.7   | 52.0   | 54.5   | 57.1   |
| 85°    | 27.9   | 29.2   | 29.2   | 33.0   |
| 87.5°  | 11.4   | 12.7   | 12.7   | 13.9   |
| 90°    | 4.2    | 2.9    | 1.7    | 0.5    |
| 92.5°  | 11.3   | 11.7   | 12.2   | 12.6   |
| 95°    | 21.6   | 25.3   | 29.0   | 32.7   |
| 97.5°  | 31.3   | 40.5   | 49.6   | 58.8   |
| 100°   | 43.1   | 58.4   | 73.7   | 89.0   |
| 102.5° | 121.5  | 121.8  | 122.0  | 122.2  |
| 105°   | 162.9  | 159.5  | 156.2  | 152.8  |
| 107.5° | 196.9  | 194.1  | 191.3  | 188.5  |
| 110°   | 229.8  | 227.4  | 225.1  | 222.7  |



TEST NUMBER: P1008253

CATALOG NUMBER: S122DIP-B865D530UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 260.9 | 258.9 | 256.9 | 254.9 |
| 115°   | 294.8 | 292.9 | 291.0 | 289.1 |
| 117.5° | 325.4 | 323.2 | 320.9 | 318.7 |
| 120°   | 356.9 | 355.2 | 353.6 | 351.9 |
| 122.5° | 385.4 | 383.7 | 381.9 | 380.1 |
| 125°   | 413.0 | 411.6 | 410.1 | 408.7 |
| 127.5° | 439.6 | 438.0 | 436.5 | 434.9 |
| 130°   | 464.8 | 463.1 | 461.3 | 459.5 |
| 132.5° | 489.0 | 487.5 | 486.1 | 484.6 |
| 135°   | 511.1 | 509.3 | 507.5 | 505.7 |
| 137.5° | 531.9 | 530.6 | 529.2 | 527.9 |
| 140°   | 552.2 | 551.3 | 550.4 | 549.5 |
| 142.5° | 569.9 | 569.2 | 568.4 | 567.6 |
| 145°   | 586.4 | 586.5 | 586.6 | 586.7 |
| 147.5° | 602.3 | 602.6 | 603.0 | 603.3 |
| 150°   | 617.0 | 617.7 | 618.5 | 619.3 |
| 152.5° | 630.2 | 631.1 | 632.0 | 632.9 |
| 155°   | 643.0 | 644.0 | 645.0 | 646.0 |
| 157.5° | 653.8 | 654.7 | 655.6 | 656.5 |
| 160°   | 663.6 | 664.3 | 664.9 | 665.6 |
| 162.5° | 671.6 | 672.3 | 672.9 | 673.6 |
| 165°   | 678.7 | 679.4 | 680.0 | 680.7 |
| 167.5° | 684.2 | 684.9 | 685.5 | 686.2 |
| 170°   | 688.7 | 689.4 | 690.0 | 690.7 |
| 172.5° | 691.7 | 692.4 | 693.0 | 693.7 |
| 175°   | 693.9 | 694.7 | 695.5 | 696.3 |
| 177.5° | 694.9 | 695.7 | 696.5 | 697.3 |
| 180°   | 694.8 | 694.8 | 694.8 | 694.8 |

(END OF REPORT)