

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: P1031366

Luminaire Tested: S123DIW-B1000D460UB40-4F0-XX-W2A-A

Issue Date: 5/6/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1031366  
REPORT IS A COMBINATION OF REPORTS P990765 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/6/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S123DIW-B1000D460UB40-4F0-XX-W2A-A  
Description: Define 3 Direct/Indirect Wall Mount with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}  
Light Source: -  
Ballast/Driver: -

**Summary**

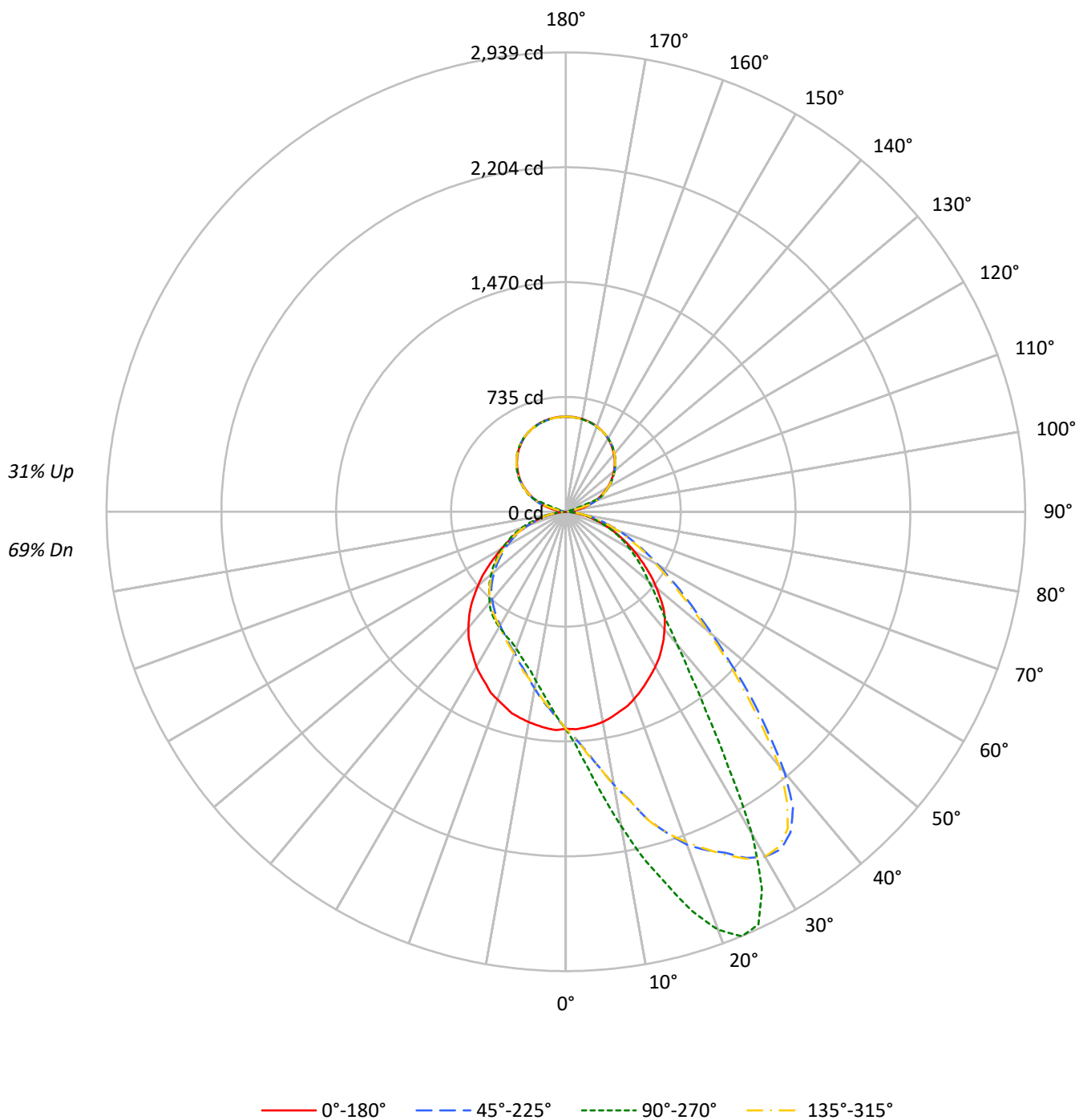
Lumens per Lamp: N/A  
Luminaire Lumens: 6045.0 lumens  
Efficiency: N/A  
Efficacy: 100.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 60  
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: P1031366

CATALOG NUMBER: S123DIW-B1000D460UB40-4F0-XX-W2A-A

### Luminous Intensity Polar Plot



TEST NUMBER: P1031366

CATALOG NUMBER: S123DIW-B1000D460UB40-4F0-XX-W2A-A

**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   | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 94 | 94 | 94 | 84 | 84 | 84 | 74 | 74 | 74 |
| 1   | 103 | 98  | 94  | 91  | 97  | 93  | 90  | 87  | 83 | 81 | 78 | 74 | 72 | 71 | 66 | 65 | 63 |
| 2   | 94  | 86  | 80  | 75  | 88  | 82  | 76  | 72  | 73 | 69 | 65 | 66 | 62 | 59 | 58 | 56 | 54 |
| 3   | 86  | 76  | 69  | 63  | 81  | 72  | 66  | 60  | 65 | 60 | 55 | 58 | 54 | 51 | 52 | 49 | 46 |
| 4   | 79  | 68  | 60  | 54  | 74  | 64  | 57  | 52  | 58 | 52 | 48 | 52 | 48 | 44 | 47 | 43 | 40 |
| 5   | 72  | 61  | 52  | 46  | 68  | 58  | 50  | 45  | 52 | 46 | 41 | 47 | 42 | 38 | 42 | 38 | 35 |
| 6   | 67  | 54  | 46  | 40  | 63  | 52  | 44  | 39  | 47 | 41 | 36 | 43 | 38 | 34 | 38 | 34 | 31 |
| 7   | 62  | 49  | 41  | 36  | 58  | 47  | 40  | 34  | 43 | 37 | 32 | 39 | 34 | 30 | 35 | 31 | 28 |
| 8   | 58  | 45  | 37  | 32  | 54  | 43  | 36  | 31  | 39 | 33 | 29 | 36 | 30 | 27 | 32 | 28 | 25 |
| 9   | 54  | 41  | 33  | 28  | 51  | 39  | 32  | 27  | 36 | 30 | 26 | 33 | 28 | 24 | 30 | 26 | 22 |
| 10  | 50  | 38  | 30  | 26  | 47  | 36  | 29  | 25  | 33 | 27 | 23 | 30 | 25 | 22 | 28 | 23 | 20 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 14944 | 14944 | 14944 | 14944 |
| 5°  | 14953 | 17217 | 14997 | 12850 |
| 10° | 14858 | 20835 | 14872 | 11221 |
| 15° | 14653 | 24709 | 14772 | 10100 |
| 20° | 14476 | 28448 | 14507 | 9294  |
| 25° | 14213 | 29165 | 14245 | 8874  |
| 30° | 14026 | 24096 | 14026 | 8598  |
| 35° | 13794 | 16115 | 13707 | 8355  |
| 40° | 13515 | 11633 | 13348 | 7982  |
| 45° | 13166 | 9215  | 12785 | 7518  |
| 50° | 12316 | 7826  | 11879 | 7063  |
| 55° | 11383 | 6877  | 10921 | 6555  |
| 60° | 10437 | 5987  | 9882  | 6022  |
| 65° | 9399  | 5127  | 8942  | 5311  |
| 70° | 8319  | 4255  | 7766  | 4477  |
| 75° | 7113  | 3210  | 6653  | 3457  |
| 80° | 5624  | 2143  | 5185  | 2270  |
| 85° | 3881  | 984   | 3103  | 895   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 24100 cd/sqm

TEST NUMBER: P1031366

CATALOG NUMBER: S123DIW-B1000D460UB40-4F0-XX-W2A-A

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 136.5  | 2.3       |
| 10°-20°   | 438.5  | 7.3       |
| 20°-30°   | 737.9  | 12.2      |
| 30°-40°   | 833.9  | 13.8      |
| 40°-50°   | 746.8  | 12.4      |
| 50°-60°   | 602.9  | 10.0      |
| 60°-70°   | 420.1  | 7.0       |
| 70°-80°   | 220.5  | 3.6       |
| 80°-90°   | 54.1   | 0.9       |
| 90°-100°  | 21.4   | 0.4       |
| 100°-110° | 103.7  | 1.7       |
| 110°-120° | 254.0  | 4.2       |
| 120°-130° | 322.5  | 5.3       |
| 130°-140° | 344.5  | 5.7       |
| 140°-150° | 322.2  | 5.3       |
| 150°-160° | 259.9  | 4.3       |
| 160°-170° | 167.7  | 2.8       |
| 170°-180° | 57.8   | 1.0       |
| 0°-30°    | 1312.9 | 21.7      |
| 0°-40°    | 2146.8 | 35.5      |
| 0°-60°    | 3496.5 | 57.8      |
| 0°-90°    | 4191.2 | 69.3      |
| 90°-120°  | 379.2  | 6.3       |
| 90°-150°  | 1368.4 | 22.6      |
| 90°-180°  | 1854.0 | 30.7      |
| 0°-180°   | 6045.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1388 | 1388 | 1388 | 1388 | 1388 |      |
| 5°   | 1387 | 1649 | 1391 | 1231 | 1387 | 132  |
| 15°  | 1324 | 2455 | 1334 | 1004 | 1324 | 374  |
| 25°  | 1211 | 2914 | 1213 | 886  | 1211 | 559  |
| 35°  | 1068 | 1570 | 1061 | 814  | 1068 | 668  |
| 45°  | 886  | 848  | 861  | 691  | 886  | 678  |
| 55°  | 628  | 576  | 603  | 549  | 628  | 562  |
| 65°  | 389  | 374  | 370  | 387  | 389  | 387  |
| 75°  | 187  | 192  | 175  | 207  | 187  | 201  |
| 85°  | 40   | 44   | 32   | 40   | 40   | 46   |
| 90°  | 0    | 14   | 0    | 14   | 0    | 4    |
| 95°  | 28   | 17   | 28   | 17   | 28   | 33   |
| 105° | 135  | 20   | 135  | 20   | 135  | 143  |
| 115° | 252  | 266  | 252  | 266  | 252  | 249  |
| 125° | 356  | 363  | 356  | 363  | 356  | 318  |
| 135° | 443  | 448  | 443  | 448  | 443  | 341  |
| 145° | 511  | 516  | 511  | 516  | 511  | 320  |
| 155° | 563  | 562  | 563  | 562  | 563  | 260  |
| 165° | 594  | 593  | 594  | 593  | 594  | 168  |
| 175° | 608  | 606  | 608  | 606  | 608  | 58   |
| 180° | 608  | 608  | 608  | 608  | 608  |      |

TEST NUMBER: P1031366

CATALOG NUMBER: S123DIW-B1000D460UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 |
| 2.5°   | 1392.3 | 1403.1 | 1408.4 | 1416.5 | 1424.6 | 1436.7 | 1440.7 | 1447.5 | 1444.8 | 1450.1 | 1452.8 |
| 5°     | 1386.9 | 1405.8 | 1421.9 | 1442.1 | 1460.9 | 1474.4 | 1487.8 | 1509.3 | 1525.5 | 1528.2 | 1540.3 |
| 7.5°   | 1377.5 | 1404.4 | 1432.7 | 1460.9 | 1497.2 | 1518.7 | 1543.0 | 1572.6 | 1596.8 | 1635.8 | 1650.6 |
| 10°    | 1365.4 | 1403.1 | 1443.4 | 1482.4 | 1532.2 | 1565.8 | 1595.4 | 1645.2 | 1695.0 | 1735.3 | 1773.0 |
| 12.5°  | 1346.6 | 1393.6 | 1446.1 | 1504.0 | 1568.5 | 1607.5 | 1647.9 | 1713.8 | 1789.1 | 1851.0 | 1891.4 |
| 15°    | 1323.7 | 1382.9 | 1450.1 | 1512.0 | 1583.3 | 1656.0 | 1699.0 | 1773.0 | 1880.6 | 1938.5 | 2042.0 |
| 17.5°  | 1304.9 | 1365.4 | 1432.7 | 1529.5 | 1626.4 | 1699.0 | 1729.9 | 1865.8 | 1939.8 | 2036.7 | 2153.7 |
| 20°    | 1275.3 | 1351.9 | 1438.0 | 1534.9 | 1660.0 | 1704.4 | 1767.6 | 1904.8 | 1996.3 | 2122.8 | 2266.7 |
| 22.5°  | 1244.3 | 1326.4 | 1430.0 | 1530.9 | 1670.8 | 1717.8 | 1803.9 | 1912.9 | 2058.2 | 2183.3 | 2342.0 |
| 25°    | 1210.7 | 1299.5 | 1404.4 | 1524.1 | 1661.3 | 1729.9 | 1810.7 | 1945.2 | 2102.6 | 2260.0 | 2406.6 |
| 27.5°  | 1177.1 | 1273.9 | 1382.9 | 1502.6 | 1635.8 | 1716.5 | 1797.2 | 1937.1 | 2138.9 | 2309.7 | 2496.7 |
| 30°    | 1144.8 | 1241.6 | 1350.6 | 1473.0 | 1612.9 | 1690.9 | 1767.6 | 1942.5 | 2167.1 | 2359.5 | 2547.8 |
| 32.5°  | 1109.8 | 1209.3 | 1323.7 | 1425.9 | 1567.2 | 1650.6 | 1736.7 | 1942.5 | 2184.6 | 2389.1 | 2561.3 |
| 35°    | 1068.1 | 1170.3 | 1268.5 | 1370.8 | 1510.7 | 1603.5 | 1700.4 | 1929.0 | 2200.8 | 2398.5 | 2504.8 |
| 37.5°  | 1027.7 | 1117.9 | 1202.6 | 1302.2 | 1448.8 | 1548.3 | 1660.0 | 1912.9 | 2192.7 | 2358.2 | 2387.8 |
| 40°    | 982.0  | 1072.1 | 1140.7 | 1233.6 | 1388.3 | 1504.0 | 1616.9 | 1891.4 | 2157.7 | 2262.7 | 2176.6 |
| 42.5°  | 937.6  | 1008.9 | 1068.1 | 1158.2 | 1326.4 | 1439.4 | 1561.8 | 1852.4 | 2089.1 | 2110.6 | 1916.9 |
| 45°    | 886.5  | 937.6  | 990.1  | 1092.3 | 1259.1 | 1374.8 | 1510.7 | 1795.9 | 1978.8 | 1916.9 | 1672.1 |
| 47.5°  | 820.6  | 866.3  | 924.2  | 1018.3 | 1187.8 | 1307.5 | 1436.7 | 1723.2 | 1818.7 | 1689.6 | 1421.9 |
| 50°    | 757.4  | 796.4  | 850.2  | 941.7  | 1112.5 | 1229.5 | 1366.7 | 1608.9 | 1656.0 | 1452.8 | 1225.5 |
| 52.5°  | 694.1  | 723.7  | 776.2  | 867.7  | 1038.5 | 1151.5 | 1276.6 | 1491.8 | 1464.9 | 1247.0 | 1045.2 |
| 55°    | 628.2  | 653.8  | 703.5  | 793.7  | 952.4  | 1060.0 | 1179.8 | 1347.9 | 1278.0 | 1070.8 | 909.4  |
| 57.5°  | 563.6  | 590.5  | 641.7  | 717.0  | 866.3  | 971.2  | 1066.8 | 1198.6 | 1093.7 | 928.2  | 785.6  |
| 60°    | 505.8  | 528.7  | 567.7  | 641.7  | 777.5  | 862.3  | 949.7  | 1039.9 | 952.4  | 792.3  | 683.4  |
| 62.5°  | 445.3  | 466.8  | 503.1  | 570.4  | 687.4  | 762.7  | 832.7  | 906.7  | 809.8  | 692.8  | 595.9  |
| 65°    | 388.8  | 406.3  | 439.9  | 501.8  | 597.3  | 659.2  | 715.7  | 766.8  | 688.8  | 581.1  | 508.5  |
| 67.5°  | 337.6  | 352.4  | 380.7  | 435.8  | 516.6  | 561.0  | 606.7  | 649.7  | 583.8  | 497.7  | 435.8  |
| 70°    | 282.5  | 294.6  | 320.2  | 360.5  | 425.1  | 470.8  | 504.5  | 536.7  | 477.6  | 408.9  | 367.2  |
| 72.5°  | 234.1  | 246.2  | 262.3  | 304.0  | 348.4  | 376.7  | 413.0  | 430.5  | 396.8  | 340.3  | 298.6  |
| 75°    | 187.0  | 196.4  | 211.2  | 238.1  | 279.8  | 298.6  | 321.5  | 335.0  | 304.0  | 266.4  | 240.8  |
| 77.5°  | 146.6  | 150.7  | 161.4  | 180.3  | 208.5  | 230.0  | 247.5  | 255.6  | 234.1  | 209.9  | 188.3  |
| 80°    | 103.6  | 109.0  | 117.0  | 133.2  | 154.7  | 161.4  | 172.2  | 181.6  | 168.2  | 146.6  | 133.2  |
| 82.5°  | 68.6   | 75.3   | 79.4   | 86.1   | 99.5   | 107.6  | 110.3  | 118.4  | 106.3  | 98.2   | 92.8   |
| 85°    | 40.4   | 43.0   | 44.4   | 48.4   | 55.2   | 59.2   | 63.2   | 64.6   | 61.9   | 60.5   | 55.2   |
| 87.5°  | 20.2   | 20.2   | 20.2   | 22.9   | 24.2   | 26.9   | 28.2   | 28.2   | 28.2   | 26.9   | 25.6   |
| 90°    | 0.5    | 1.5    | 2.5    | 3.5    | 4.5    | 5.0    | 5.6    | 6.9    | 8.2    | 9.5    | 10.8   |
| 92.5°  | 10.4   | 9.8    | 9.2    | 8.6    | 8.0    | 7.7    | 8.1    | 9.0    | 9.9    | 10.8   | 11.7   |
| 95°    | 27.6   | 23.5   | 19.3   | 15.2   | 11.1   | 9.0    | 9.6    | 10.7   | 11.8   | 12.9   | 14.0   |
| 97.5°  | 50.1   | 47.3   | 44.5   | 41.7   | 38.9   | 37.5   | 34.9   | 29.8   | 24.7   | 19.6   | 14.5   |
| 100°   | 76.3   | 78.3   | 80.3   | 82.4   | 84.4   | 85.4   | 77.6   | 61.9   | 46.2   | 30.6   | 14.9   |
| 102.5° | 106.2  | 107.5  | 108.8  | 110.1  | 111.4  | 112.0  | 103.3  | 85.8   | 68.3   | 50.9   | 33.4   |
| 105°   | 134.6  | 135.7  | 136.8  | 137.9  | 139.0  | 139.6  | 135.1  | 126.0  | 117.0  | 107.9  | 98.9   |
| 107.5° | 164.9  | 165.8  | 166.7  | 167.6  | 168.5  | 169.0  | 169.7  | 171.2  | 172.7  | 174.2  | 175.7  |
| 110°   | 195.2  | 196.0  | 196.8  | 197.6  | 198.4  | 198.8  | 199.3  | 200.4  | 201.5  | 202.6  | 203.7  |

TEST NUMBER: P1031366

CATALOG NUMBER: S123DIW-B1000D460UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 224.1 | 224.8 | 225.5 | 226.2 | 226.9 | 227.2 | 227.8 | 228.9 | 230.0 | 231.1 | 232.2 |
| 115°   | 252.5 | 253.1 | 253.7 | 254.3 | 254.9 | 255.2 | 255.7 | 256.6 | 257.5 | 258.4 | 259.3 |
| 117.5° | 280.5 | 281.2 | 281.9 | 282.6 | 283.3 | 283.7 | 284.0 | 284.5 | 285.0 | 285.5 | 286.0 |
| 120°   | 306.3 | 307.2 | 308.1 | 309.0 | 309.9 | 310.4 | 310.5 | 310.8 | 311.1 | 311.4 | 311.7 |
| 122.5° | 332.5 | 333.2 | 333.9 | 334.6 | 335.3 | 335.7 | 335.9 | 336.3 | 336.7 | 337.1 | 337.5 |
| 125°   | 356.0 | 356.8 | 357.6 | 358.4 | 359.2 | 359.6 | 359.8 | 360.2 | 360.6 | 361.0 | 361.4 |
| 127.5° | 379.5 | 380.3 | 381.1 | 381.9 | 382.7 | 383.1 | 383.4 | 383.9 | 384.4 | 384.9 | 385.4 |
| 130°   | 401.2 | 402.0 | 402.8 | 403.6 | 404.4 | 404.8 | 405.0 | 405.4 | 405.8 | 406.2 | 406.6 |
| 132.5° | 422.0 | 422.8 | 423.6 | 424.4 | 425.2 | 425.6 | 425.7 | 426.0 | 426.3 | 426.6 | 426.9 |
| 135°   | 443.2 | 443.8 | 444.4 | 445.0 | 445.6 | 445.9 | 446.1 | 446.5 | 446.9 | 447.3 | 447.7 |
| 137.5° | 461.3 | 462.1 | 462.9 | 463.7 | 464.5 | 464.9 | 465.0 | 465.2 | 465.4 | 465.6 | 465.8 |
| 140°   | 479.3 | 479.9 | 480.5 | 481.1 | 481.7 | 482.0 | 482.2 | 482.5 | 482.8 | 483.1 | 483.4 |
| 142.5° | 496.0 | 496.6 | 497.2 | 497.9 | 498.5 | 498.8 | 498.9 | 499.2 | 499.5 | 499.8 | 500.1 |
| 145°   | 511.4 | 512.1 | 512.8 | 513.5 | 514.2 | 514.6 | 514.7 | 514.9 | 515.1 | 515.3 | 515.5 |
| 147.5° | 526.3 | 526.8 | 527.3 | 527.8 | 528.3 | 528.6 | 528.7 | 528.9 | 529.1 | 529.3 | 529.5 |
| 150°   | 539.9 | 540.2 | 540.5 | 540.8 | 541.1 | 541.2 | 541.3 | 541.5 | 541.7 | 541.9 | 542.1 |
| 152.5° | 552.1 | 552.2 | 552.3 | 552.4 | 552.5 | 552.5 | 552.6 | 552.7 | 552.8 | 552.9 | 553.0 |
| 155°   | 563.4 | 563.2 | 563.0 | 562.8 | 562.6 | 562.5 | 562.5 | 562.6 | 562.7 | 562.8 | 562.9 |
| 157.5° | 572.4 | 572.4 | 572.4 | 572.4 | 572.4 | 572.4 | 572.3 | 572.2 | 572.1 | 572.0 | 571.9 |
| 160°   | 580.5 | 580.4 | 580.3 | 580.2 | 580.1 | 580.1 | 580.0 | 579.9 | 579.8 | 579.7 | 579.6 |
| 162.5° | 588.2 | 587.9 | 587.6 | 587.3 | 587.0 | 586.8 | 586.8 | 586.7 | 586.6 | 586.5 | 586.4 |
| 165°   | 594.1 | 593.8 | 593.5 | 593.2 | 592.9 | 592.7 | 592.7 | 592.6 | 592.5 | 592.4 | 592.3 |
| 167.5° | 599.0 | 598.6 | 598.2 | 597.8 | 597.4 | 597.2 | 597.2 | 597.2 | 597.2 | 597.2 | 597.2 |
| 170°   | 603.1 | 602.7 | 602.3 | 601.9 | 601.5 | 601.3 | 601.3 | 601.3 | 601.3 | 601.3 | 601.3 |
| 172.5° | 605.8 | 605.3 | 604.8 | 604.3 | 603.8 | 603.6 | 603.6 | 603.7 | 603.8 | 603.9 | 604.0 |
| 175°   | 608.1 | 607.6 | 607.1 | 606.6 | 606.1 | 605.8 | 605.9 | 606.0 | 606.1 | 606.2 | 606.3 |
| 177.5° | 609.0 | 608.5 | 608.0 | 607.5 | 607.0 | 606.7 | 606.8 | 606.9 | 607.0 | 607.1 | 607.2 |
| 180°   | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 |

TEST NUMBER: P1031366

CATALOG NUMBER: S123DIW-B1000D460UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 |
| 2.5°   | 1462.2 | 1464.9 | 1474.4 | 1481.1 | 1494.5 | 1493.2 | 1493.2 | 1491.8 | 1487.8 | 1494.5 | 1498.6 |
| 5°     | 1564.5 | 1587.4 | 1590.0 | 1619.6 | 1621.0 | 1633.1 | 1641.2 | 1634.4 | 1650.6 | 1649.2 | 1637.1 |
| 7.5°   | 1690.9 | 1721.9 | 1736.7 | 1764.9 | 1797.2 | 1789.1 | 1820.1 | 1825.5 | 1822.8 | 1836.2 | 1845.6 |
| 10°    | 1829.5 | 1883.3 | 1921.0 | 1973.4 | 1986.9 | 1995.0 | 2015.1 | 2032.6 | 2067.6 | 2040.7 | 2058.2 |
| 12.5°  | 1988.2 | 2027.2 | 2077.0 | 2160.4 | 2202.1 | 2229.0 | 2238.4 | 2250.5 | 2274.8 | 2260.0 | 2261.3 |
| 15°    | 2121.4 | 2173.9 | 2258.6 | 2362.2 | 2374.3 | 2407.9 | 2399.9 | 2472.5 | 2507.5 | 2455.0 | 2484.6 |
| 17.5°  | 2260.0 | 2329.9 | 2430.8 | 2520.9 | 2572.1 | 2594.9 | 2616.4 | 2686.4 | 2683.7 | 2675.6 | 2682.4 |
| 20°    | 2348.7 | 2463.1 | 2588.2 | 2707.9 | 2722.7 | 2740.2 | 2798.0 | 2827.6 | 2822.3 | 2845.1 | 2859.9 |
| 22.5°  | 2473.9 | 2594.9 | 2728.1 | 2807.5 | 2841.1 | 2861.3 | 2907.0 | 2925.8 | 2933.9 | 2939.3 | 2929.9 |
| 25°    | 2578.8 | 2707.9 | 2806.1 | 2876.1 | 2896.2 | 2907.0 | 2921.8 | 2927.2 | 2923.2 | 2913.7 | 2921.8 |
| 27.5°  | 2650.1 | 2753.7 | 2820.9 | 2853.2 | 2842.4 | 2825.0 | 2796.7 | 2777.9 | 2736.2 | 2716.0 | 2740.2 |
| 30°    | 2679.7 | 2725.4 | 2745.6 | 2691.8 | 2638.0 | 2594.9 | 2541.1 | 2441.6 | 2363.5 | 2386.4 | 2355.5 |
| 32.5°  | 2632.6 | 2603.0 | 2506.1 | 2367.6 | 2325.9 | 2255.9 | 2103.9 | 1986.9 | 1990.9 | 1929.0 | 1954.6 |
| 35°    | 2494.0 | 2359.5 | 2176.6 | 1966.7 | 1911.6 | 1873.9 | 1707.1 | 1681.5 | 1627.7 | 1569.9 | 1586.0 |
| 37.5°  | 2249.2 | 2052.8 | 1830.8 | 1676.1 | 1594.1 | 1512.0 | 1417.9 | 1361.4 | 1329.1 | 1304.9 | 1323.7 |
| 40°    | 1950.6 | 1711.1 | 1528.2 | 1389.6 | 1319.7 | 1267.2 | 1202.6 | 1146.1 | 1109.8 | 1105.8 | 1112.5 |
| 42.5°  | 1657.3 | 1455.5 | 1287.4 | 1155.5 | 1132.7 | 1070.8 | 1029.1 | 984.7  | 973.9  | 956.4  | 965.9  |
| 45°    | 1403.1 | 1238.9 | 1100.4 | 992.8  | 965.9  | 949.7  | 898.6  | 870.4  | 858.2  | 847.5  | 863.6  |
| 47.5°  | 1218.8 | 1046.6 | 945.7  | 881.1  | 854.2  | 827.3  | 799.1  | 780.2  | 770.8  | 772.2  | 770.8  |
| 50°    | 1041.2 | 914.7  | 826.0  | 776.2  | 760.0  | 741.2  | 718.3  | 706.2  | 702.2  | 690.1  | 699.5  |
| 52.5°  | 895.9  | 804.4  | 742.6  | 695.5  | 683.4  | 669.9  | 651.1  | 644.4  | 634.9  | 632.3  | 632.3  |
| 55°    | 778.9  | 707.6  | 657.8  | 626.9  | 612.1  | 601.3  | 590.5  | 582.5  | 575.8  | 575.8  | 575.8  |
| 57.5°  | 687.4  | 625.5  | 589.2  | 562.3  | 556.9  | 546.2  | 534.1  | 534.1  | 524.6  | 523.3  | 527.3  |
| 60°    | 609.4  | 554.2  | 526.0  | 503.1  | 495.0  | 492.3  | 480.2  | 480.2  | 477.6  | 470.8  | 476.2  |
| 62.5°  | 530.0  | 489.7  | 465.4  | 448.0  | 439.9  | 439.9  | 430.5  | 423.7  | 423.7  | 425.1  | 422.4  |
| 65°    | 457.4  | 427.8  | 406.3  | 392.8  | 388.8  | 383.4  | 382.0  | 376.7  | 372.6  | 374.0  | 372.6  |
| 67.5°  | 392.8  | 369.9  | 355.1  | 344.4  | 337.6  | 335.0  | 330.9  | 330.9  | 328.2  | 329.6  | 322.9  |
| 70°    | 335.0  | 312.1  | 300.0  | 289.2  | 286.5  | 286.5  | 281.2  | 282.5  | 279.8  | 283.8  | 281.2  |
| 72.5°  | 275.8  | 258.3  | 248.9  | 244.8  | 242.1  | 240.8  | 238.1  | 235.4  | 234.1  | 236.8  | 235.4  |
| 75°    | 223.3  | 208.5  | 201.8  | 199.1  | 196.4  | 196.4  | 195.1  | 193.7  | 192.4  | 192.4  | 192.4  |
| 77.5°  | 173.5  | 164.1  | 156.0  | 158.7  | 154.7  | 156.0  | 152.0  | 152.0  | 153.4  | 152.0  | 152.0  |
| 80°    | 127.8  | 121.1  | 121.1  | 118.4  | 113.0  | 115.7  | 115.7  | 111.7  | 110.3  | 113.0  | 109.0  |
| 82.5°  | 84.7   | 83.4   | 80.7   | 79.4   | 76.7   | 78.0   | 76.7   | 75.3   | 74.0   | 76.7   | 74.0   |
| 85°    | 49.8   | 49.8   | 48.4   | 45.7   | 48.4   | 47.1   | 45.7   | 45.7   | 44.4   | 44.4   | 44.4   |
| 87.5°  | 25.6   | 22.9   | 22.9   | 21.5   | 22.9   | 20.2   | 21.5   | 20.2   | 18.8   | 20.2   | 18.8   |
| 90°    | 11.2   | 11.6   | 12.0   | 12.4   | 12.6   | 12.7   | 12.9   | 13.2   | 13.4   | 13.6   | 13.4   |
| 92.5°  | 12.4   | 13.1   | 13.8   | 14.5   | 14.9   | 15.0   | 15.1   | 15.2   | 15.3   | 15.4   | 15.3   |
| 95°    | 14.7   | 15.4   | 16.1   | 16.8   | 17.2   | 17.2   | 17.2   | 17.2   | 17.2   | 17.2   | 17.2   |
| 97.5°  | 15.3   | 16.1   | 16.9   | 17.7   | 18.1   | 18.1   | 18.2   | 18.3   | 18.4   | 18.5   | 18.4   |
| 100°   | 15.7   | 16.5   | 17.3   | 18.1   | 18.5   | 18.6   | 18.7   | 18.8   | 18.9   | 19.0   | 18.9   |
| 102.5° | 30.1   | 26.8   | 23.5   | 20.2   | 18.5   | 18.6   | 18.8   | 19.0   | 19.2   | 19.4   | 19.2   |
| 105°   | 81.1   | 63.4   | 45.6   | 27.9   | 19.0   | 19.1   | 19.3   | 19.5   | 19.7   | 19.9   | 19.7   |
| 107.5° | 160.3  | 144.8  | 129.4  | 113.9  | 106.2  | 99.6   | 86.5   | 73.3   | 60.2   | 47.0   | 60.2   |
| 110°   | 200.4  | 197.1  | 193.8  | 190.5  | 188.8  | 181.6  | 167.3  | 152.9  | 138.6  | 124.2  | 138.6  |

TEST NUMBER: P1031366

CATALOG NUMBER: S123DIW-B1000D460UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 233.1 | 234.0 | 234.9 | 235.8 | 236.3 | 236.2 | 236.0 | 235.8 | 235.6 | 235.4 | 235.6 |
| 115°   | 260.3 | 261.3 | 262.3 | 263.3 | 263.8 | 264.0 | 264.4 | 264.8 | 265.2 | 265.6 | 265.2 |
| 117.5° | 286.8 | 287.6 | 288.4 | 289.2 | 289.6 | 289.6 | 289.7 | 289.8 | 289.9 | 290.0 | 289.9 |
| 120°   | 312.5 | 313.3 | 314.1 | 314.9 | 315.3 | 315.3 | 315.3 | 315.3 | 315.3 | 315.3 | 315.3 |
| 122.5° | 338.0 | 338.5 | 339.0 | 339.5 | 339.7 | 339.8 | 339.9 | 340.0 | 340.1 | 340.2 | 340.1 |
| 125°   | 361.6 | 361.8 | 362.0 | 362.2 | 362.3 | 362.4 | 362.6 | 362.8 | 363.0 | 363.2 | 363.0 |
| 127.5° | 385.7 | 386.0 | 386.3 | 386.6 | 386.7 | 386.6 | 386.4 | 386.2 | 386.0 | 385.8 | 386.0 |
| 130°   | 407.0 | 407.4 | 407.8 | 408.2 | 408.4 | 408.3 | 408.1 | 407.9 | 407.7 | 407.5 | 407.7 |
| 132.5° | 427.3 | 427.7 | 428.1 | 428.5 | 428.7 | 428.6 | 428.3 | 428.0 | 427.7 | 427.4 | 427.7 |
| 135°   | 448.0 | 448.3 | 448.6 | 448.9 | 449.1 | 448.9 | 448.6 | 448.3 | 448.0 | 447.7 | 448.0 |
| 137.5° | 466.3 | 466.8 | 467.3 | 467.8 | 468.0 | 467.9 | 467.7 | 467.5 | 467.3 | 467.1 | 467.3 |
| 140°   | 483.8 | 484.2 | 484.6 | 485.0 | 485.2 | 485.1 | 484.9 | 484.7 | 484.5 | 484.3 | 484.5 |
| 142.5° | 500.4 | 500.7 | 501.0 | 501.3 | 501.5 | 501.3 | 501.0 | 500.7 | 500.4 | 500.1 | 500.4 |
| 145°   | 515.7 | 515.9 | 516.1 | 516.3 | 516.4 | 516.4 | 516.4 | 516.4 | 516.4 | 516.4 | 516.4 |
| 147.5° | 529.7 | 529.9 | 530.1 | 530.3 | 530.4 | 530.1 | 529.6 | 529.1 | 528.6 | 528.1 | 528.6 |
| 150°   | 542.3 | 542.5 | 542.7 | 542.9 | 543.0 | 542.9 | 542.6 | 542.3 | 542.0 | 541.7 | 542.0 |
| 152.5° | 553.4 | 553.8 | 554.2 | 554.6 | 554.8 | 554.5 | 554.0 | 553.5 | 553.0 | 552.5 | 553.0 |
| 155°   | 563.4 | 563.9 | 564.4 | 564.9 | 565.2 | 564.9 | 564.3 | 563.7 | 563.1 | 562.5 | 563.1 |
| 157.5° | 572.5 | 573.1 | 573.7 | 574.3 | 574.6 | 574.2 | 573.4 | 572.6 | 571.8 | 571.0 | 571.8 |
| 160°   | 580.2 | 580.8 | 581.4 | 582.0 | 582.3 | 582.0 | 581.3 | 580.6 | 579.9 | 579.2 | 579.9 |
| 162.5° | 587.1 | 587.8 | 588.5 | 589.2 | 589.6 | 589.3 | 588.7 | 588.0 | 587.4 | 586.8 | 587.4 |
| 165°   | 593.1 | 593.9 | 594.7 | 595.5 | 595.9 | 595.5 | 594.8 | 594.1 | 593.4 | 592.7 | 593.4 |
| 167.5° | 598.0 | 598.8 | 599.7 | 600.5 | 600.9 | 600.5 | 599.7 | 598.8 | 598.0 | 597.2 | 598.0 |
| 170°   | 602.1 | 602.9 | 603.7 | 604.5 | 604.9 | 604.5 | 603.7 | 602.9 | 602.1 | 601.3 | 602.1 |
| 172.5° | 604.8 | 605.6 | 606.4 | 607.2 | 607.6 | 607.2 | 606.3 | 605.4 | 604.5 | 603.6 | 604.5 |
| 175°   | 607.0 | 607.7 | 608.4 | 609.1 | 609.4 | 609.0 | 608.2 | 607.4 | 606.6 | 605.8 | 606.6 |
| 177.5° | 608.0 | 608.8 | 609.6 | 610.4 | 610.8 | 610.3 | 609.3 | 608.3 | 607.3 | 606.3 | 607.3 |
| 180°   | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 |

TEST NUMBER: P1031366

CATALOG NUMBER: S123DIW-B1000D460UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 |
| 2.5°   | 1487.8 | 1491.8 | 1481.1 | 1478.4 | 1478.4 | 1483.8 | 1479.7 | 1443.4 | 1450.1 | 1442.1 | 1439.4 |
| 5°     | 1651.9 | 1643.9 | 1633.1 | 1627.7 | 1621.0 | 1602.2 | 1600.8 | 1559.1 | 1551.0 | 1524.1 | 1512.0 |
| 7.5°   | 1832.2 | 1825.5 | 1793.2 | 1789.1 | 1786.4 | 1769.0 | 1724.6 | 1680.2 | 1647.9 | 1616.9 | 1587.4 |
| 10°    | 2038.0 | 2017.8 | 2003.0 | 1973.4 | 1958.6 | 1934.4 | 1876.6 | 1834.9 | 1779.7 | 1732.6 | 1670.8 |
| 12.5°  | 2285.5 | 2262.7 | 2212.9 | 2191.4 | 2172.5 | 2105.3 | 2047.4 | 2000.3 | 1892.7 | 1860.4 | 1783.8 |
| 15°    | 2467.1 | 2418.7 | 2413.3 | 2366.2 | 2363.5 | 2289.6 | 2179.2 | 2128.1 | 2044.7 | 1926.3 | 1847.0 |
| 17.5°  | 2663.5 | 2620.5 | 2586.9 | 2530.4 | 2522.3 | 2452.3 | 2371.6 | 2246.5 | 2155.0 | 2042.0 | 1941.1 |
| 20°    | 2807.5 | 2784.6 | 2726.8 | 2703.9 | 2656.8 | 2597.6 | 2514.2 | 2359.5 | 2247.9 | 2134.9 | 2011.1 |
| 22.5°  | 2921.8 | 2898.9 | 2853.2 | 2822.3 | 2795.4 | 2718.7 | 2619.1 | 2487.3 | 2333.9 | 2186.0 | 2058.2 |
| 25°    | 2920.5 | 2913.7 | 2894.9 | 2880.1 | 2859.9 | 2803.4 | 2720.0 | 2593.6 | 2422.7 | 2260.0 | 2082.4 |
| 27.5°  | 2755.0 | 2773.8 | 2806.1 | 2822.3 | 2818.2 | 2810.2 | 2763.1 | 2656.8 | 2503.4 | 2309.7 | 2110.6 |
| 30°    | 2410.6 | 2479.2 | 2539.8 | 2620.5 | 2644.7 | 2703.9 | 2730.8 | 2670.3 | 2547.8 | 2367.6 | 2147.0 |
| 32.5°  | 1999.0 | 2098.5 | 2230.4 | 2274.8 | 2351.4 | 2465.8 | 2593.6 | 2616.4 | 2539.8 | 2401.2 | 2169.8 |
| 35°    | 1639.8 | 1721.9 | 1824.1 | 1894.1 | 1962.7 | 2148.3 | 2309.7 | 2449.6 | 2475.2 | 2383.7 | 2164.5 |
| 37.5°  | 1357.3 | 1415.2 | 1505.3 | 1564.5 | 1627.7 | 1786.4 | 2012.4 | 2194.0 | 2321.8 | 2324.5 | 2149.7 |
| 40°    | 1152.9 | 1178.4 | 1256.4 | 1299.5 | 1360.0 | 1497.2 | 1699.0 | 1935.8 | 2122.8 | 2208.8 | 2110.6 |
| 42.5°  | 976.6  | 1010.3 | 1074.8 | 1107.1 | 1146.1 | 1265.8 | 1399.0 | 1623.7 | 1855.1 | 2039.3 | 2038.0 |
| 45°    | 871.7  | 895.9  | 925.5  | 952.4  | 996.8  | 1068.1 | 1220.1 | 1388.3 | 1610.2 | 1818.7 | 1900.8 |
| 47.5°  | 778.9  | 801.7  | 831.3  | 839.4  | 869.0  | 936.3  | 1029.1 | 1175.7 | 1382.9 | 1590.0 | 1744.7 |
| 50°    | 700.9  | 719.7  | 739.9  | 754.7  | 768.1  | 823.3  | 893.2  | 1017.0 | 1182.4 | 1382.9 | 1575.2 |
| 52.5°  | 640.3  | 653.8  | 671.3  | 679.3  | 691.4  | 731.8  | 785.6  | 877.1  | 1012.9 | 1195.9 | 1382.9 |
| 55°    | 583.8  | 593.2  | 604.0  | 617.5  | 622.8  | 652.4  | 694.1  | 772.2  | 873.0  | 1037.2 | 1214.7 |
| 57.5°  | 531.4  | 535.4  | 542.1  | 550.2  | 556.9  | 582.5  | 618.8  | 671.3  | 760.0  | 886.5  | 1054.6 |
| 60°    | 472.2  | 482.9  | 487.0  | 495.0  | 499.1  | 519.3  | 547.5  | 591.9  | 660.5  | 769.5  | 895.9  |
| 62.5°  | 422.4  | 429.1  | 435.8  | 439.9  | 449.3  | 456.0  | 478.9  | 519.3  | 575.8  | 656.5  | 770.8  |
| 65°    | 378.0  | 380.7  | 384.7  | 388.8  | 391.5  | 399.5  | 421.1  | 448.0  | 491.0  | 562.3  | 651.1  |
| 67.5°  | 326.9  | 329.6  | 335.0  | 336.3  | 339.0  | 349.8  | 361.9  | 384.7  | 421.1  | 474.9  | 547.5  |
| 70°    | 277.1  | 281.2  | 283.8  | 286.5  | 290.6  | 294.6  | 308.1  | 326.9  | 355.1  | 392.8  | 449.3  |
| 72.5°  | 234.1  | 238.1  | 238.1  | 240.8  | 239.4  | 244.8  | 258.3  | 271.7  | 290.6  | 321.5  | 371.3  |
| 75°    | 191.0  | 191.0  | 193.7  | 195.1  | 196.4  | 201.8  | 207.2  | 217.9  | 232.7  | 256.9  | 287.9  |
| 77.5°  | 150.7  | 149.3  | 152.0  | 152.0  | 152.0  | 156.0  | 161.4  | 166.8  | 176.2  | 193.7  | 217.9  |
| 80°    | 110.3  | 110.3  | 113.0  | 114.3  | 111.7  | 113.0  | 115.7  | 121.1  | 127.8  | 139.9  | 153.4  |
| 82.5°  | 72.6   | 78.0   | 76.7   | 78.0   | 76.7   | 79.4   | 80.7   | 82.1   | 84.7   | 90.1   | 99.5   |
| 85°    | 44.4   | 44.4   | 44.4   | 45.7   | 44.4   | 45.7   | 45.7   | 45.7   | 47.1   | 49.8   | 53.8   |
| 87.5°  | 18.8   | 18.8   | 18.8   | 20.2   | 18.8   | 18.8   | 20.2   | 18.8   | 20.2   | 20.2   | 21.5   |
| 90°    | 13.2   | 12.9   | 12.7   | 12.6   | 12.4   | 12.0   | 11.6   | 11.2   | 10.8   | 9.5    | 8.2    |
| 92.5°  | 15.2   | 15.1   | 15.0   | 14.9   | 14.5   | 13.8   | 13.1   | 12.4   | 11.7   | 10.8   | 9.9    |
| 95°    | 17.2   | 17.2   | 17.2   | 17.2   | 16.8   | 16.1   | 15.4   | 14.7   | 14.0   | 12.9   | 11.8   |
| 97.5°  | 18.3   | 18.2   | 18.1   | 18.1   | 17.7   | 16.9   | 16.1   | 15.3   | 14.5   | 19.6   | 24.7   |
| 100°   | 18.8   | 18.7   | 18.6   | 18.5   | 18.1   | 17.3   | 16.5   | 15.7   | 14.9   | 30.6   | 46.2   |
| 102.5° | 19.0   | 18.8   | 18.6   | 18.5   | 20.2   | 23.5   | 26.8   | 30.1   | 33.4   | 50.9   | 68.3   |
| 105°   | 19.5   | 19.3   | 19.1   | 19.0   | 27.9   | 45.6   | 63.4   | 81.1   | 98.9   | 107.9  | 117.0  |
| 107.5° | 73.3   | 86.5   | 99.6   | 106.2  | 113.9  | 129.4  | 144.8  | 160.3  | 175.7  | 174.2  | 172.7  |
| 110°   | 152.9  | 167.3  | 181.6  | 188.8  | 190.5  | 193.8  | 197.1  | 200.4  | 203.7  | 202.6  | 201.5  |

TEST NUMBER: P1031366

CATALOG NUMBER: S123DIW-B1000D460UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 235.8 | 236.0 | 236.2 | 236.3  | 235.8 | 234.9 | 234.0 | 233.1 | 232.2 | 231.1 | 230.0 |
| 115°   | 264.8 | 264.4 | 264.0 | 263.8  | 263.3 | 262.3 | 261.3 | 260.3 | 259.3 | 258.4 | 257.5 |
| 117.5° | 289.8 | 289.7 | 289.6 | 289.6  | 289.2 | 288.4 | 287.6 | 286.8 | 286.0 | 285.5 | 285.0 |
| 120°   | 315.3 | 315.3 | 315.3 | 315.3  | 314.9 | 314.1 | 313.3 | 312.5 | 311.7 | 311.4 | 311.1 |
| 122.5° | 340.0 | 339.9 | 339.8 | 339.7  | 339.5 | 339.0 | 338.5 | 338.0 | 337.5 | 337.1 | 336.7 |
| 125°   | 362.8 | 362.6 | 362.4 | 362.3  | 362.2 | 362.0 | 361.8 | 361.6 | 361.4 | 361.0 | 360.6 |
| 127.5° | 386.2 | 386.4 | 386.6 | 386.7  | 386.6 | 386.3 | 386.0 | 385.7 | 385.4 | 384.9 | 384.4 |
| 130°   | 407.9 | 408.1 | 408.3 | 408.4  | 408.2 | 407.8 | 407.4 | 407.0 | 406.6 | 406.2 | 405.8 |
| 132.5° | 428.0 | 428.3 | 428.6 | 428.7  | 428.5 | 428.1 | 427.7 | 427.3 | 426.9 | 426.6 | 426.3 |
| 135°   | 448.3 | 448.6 | 448.9 | 449.1  | 448.9 | 448.6 | 448.3 | 448.0 | 447.7 | 447.3 | 446.9 |
| 137.5° | 467.5 | 467.7 | 467.9 | 468.0  | 467.8 | 467.3 | 466.8 | 466.3 | 465.8 | 465.6 | 465.4 |
| 140°   | 484.7 | 484.9 | 485.1 | 485.2  | 485.0 | 484.6 | 484.2 | 483.8 | 483.4 | 483.1 | 482.8 |
| 142.5° | 500.7 | 501.0 | 501.3 | 501.5  | 501.3 | 501.0 | 500.7 | 500.4 | 500.1 | 499.8 | 499.5 |
| 145°   | 516.4 | 516.4 | 516.4 | 516.4  | 516.3 | 516.1 | 515.9 | 515.7 | 515.5 | 515.3 | 515.1 |
| 147.5° | 529.1 | 529.6 | 530.1 | 530.4  | 530.3 | 530.1 | 529.9 | 529.7 | 529.5 | 529.3 | 529.1 |
| 150°   | 542.3 | 542.6 | 542.9 | 543.0  | 542.9 | 542.7 | 542.5 | 542.3 | 542.1 | 541.9 | 541.7 |
| 152.5° | 553.5 | 554.0 | 554.5 | 554.8  | 554.6 | 554.2 | 553.8 | 553.4 | 553.0 | 552.9 | 552.8 |
| 155°   | 563.7 | 564.3 | 564.9 | 565.2  | 564.9 | 564.4 | 563.9 | 563.4 | 562.9 | 562.8 | 562.7 |
| 157.5° | 572.6 | 573.4 | 574.2 | 574.6  | 574.3 | 573.7 | 573.1 | 572.5 | 571.9 | 572.0 | 572.1 |
| 160°   | 580.6 | 581.3 | 582.0 | 582.3  | 582.0 | 581.4 | 580.8 | 580.2 | 579.6 | 579.7 | 579.8 |
| 162.5° | 588.0 | 588.7 | 589.3 | 589.6  | 589.2 | 588.5 | 587.8 | 587.1 | 586.4 | 586.5 | 586.6 |
| 165°   | 594.1 | 594.8 | 595.5 | 595.9  | 595.5 | 594.7 | 593.9 | 593.1 | 592.3 | 592.4 | 592.5 |
| 167.5° | 598.8 | 599.7 | 600.5 | 600.9  | 600.5 | 599.7 | 598.8 | 598.0 | 597.2 | 597.2 | 597.2 |
| 170°   | 602.9 | 603.7 | 604.5 | 604.9  | 604.5 | 603.7 | 602.9 | 602.1 | 601.3 | 601.3 | 601.3 |
| 172.5° | 605.4 | 606.3 | 607.2 | 607.6  | 607.2 | 606.4 | 605.6 | 604.8 | 604.0 | 603.9 | 603.8 |
| 175°   | 607.4 | 608.2 | 609.0 | 609.4  | 609.1 | 608.4 | 607.7 | 607.0 | 606.3 | 606.2 | 606.1 |
| 177.5° | 608.3 | 609.3 | 610.3 | 610.8  | 610.4 | 609.6 | 608.8 | 608.0 | 607.2 | 607.1 | 607.0 |
| 180°   | 608.1 | 608.1 | 608.1 | 608.1  | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 |

TEST NUMBER: P1031366

CATALOG NUMBER: S123DIW-B1000D460UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 |
| 2.5°   | 1425.9 | 1421.9 | 1421.9 | 1419.2 | 1411.1 | 1396.3 | 1395.0 | 1397.7 | 1389.6 | 1381.5 | 1369.4 |
| 5°     | 1495.9 | 1470.3 | 1462.2 | 1454.2 | 1438.0 | 1411.1 | 1400.4 | 1391.0 | 1376.2 | 1358.7 | 1339.8 |
| 7.5°   | 1555.1 | 1518.7 | 1508.0 | 1493.2 | 1460.9 | 1423.2 | 1399.0 | 1378.8 | 1358.7 | 1334.5 | 1311.6 |
| 10°    | 1629.1 | 1576.6 | 1551.0 | 1529.5 | 1485.1 | 1432.7 | 1396.3 | 1366.7 | 1334.5 | 1304.9 | 1275.3 |
| 12.5°  | 1712.5 | 1627.7 | 1619.6 | 1567.2 | 1516.1 | 1438.0 | 1393.6 | 1350.6 | 1307.5 | 1271.2 | 1240.3 |
| 15°    | 1782.4 | 1689.6 | 1656.0 | 1621.0 | 1522.8 | 1425.9 | 1382.9 | 1334.5 | 1284.7 | 1245.7 | 1199.9 |
| 17.5°  | 1826.8 | 1750.1 | 1678.8 | 1631.7 | 1529.5 | 1443.4 | 1360.0 | 1304.9 | 1252.4 | 1198.6 | 1160.9 |
| 20°    | 1880.6 | 1769.0 | 1707.1 | 1643.9 | 1543.0 | 1430.0 | 1346.6 | 1278.0 | 1213.4 | 1165.0 | 1119.2 |
| 22.5°  | 1934.4 | 1783.8 | 1732.6 | 1664.0 | 1545.7 | 1416.5 | 1322.3 | 1253.7 | 1179.8 | 1131.3 | 1081.6 |
| 25°    | 1929.0 | 1805.3 | 1720.5 | 1662.7 | 1518.7 | 1404.4 | 1294.1 | 1213.4 | 1144.8 | 1082.9 | 1033.1 |
| 27.5°  | 1933.1 | 1781.1 | 1695.0 | 1627.7 | 1499.9 | 1386.9 | 1264.5 | 1179.8 | 1108.5 | 1043.9 | 991.4  |
| 30°    | 1934.4 | 1744.7 | 1669.4 | 1588.7 | 1464.9 | 1345.2 | 1230.9 | 1144.8 | 1069.4 | 999.5  | 952.4  |
| 32.5°  | 1930.4 | 1715.2 | 1621.0 | 1548.3 | 1409.8 | 1304.9 | 1191.9 | 1100.4 | 1023.7 | 959.1  | 914.7  |
| 35°    | 1921.0 | 1680.2 | 1571.2 | 1479.7 | 1353.3 | 1247.0 | 1155.5 | 1061.4 | 979.3  | 920.1  | 869.0  |
| 37.5°  | 1895.4 | 1642.5 | 1518.7 | 1428.6 | 1287.4 | 1179.8 | 1099.0 | 1021.0 | 941.7  | 871.7  | 828.7  |
| 40°    | 1876.6 | 1591.4 | 1466.3 | 1368.1 | 1216.1 | 1111.1 | 1043.9 | 969.9  | 891.9  | 828.7  | 787.0  |
| 42.5°  | 1833.5 | 1543.0 | 1412.5 | 1295.4 | 1146.1 | 1038.5 | 975.3  | 916.1  | 848.8  | 787.0  | 749.3  |
| 45°    | 1763.6 | 1490.5 | 1346.6 | 1228.2 | 1069.4 | 967.2  | 909.4  | 860.9  | 801.7  | 742.6  | 704.9  |
| 47.5°  | 1665.4 | 1415.2 | 1276.6 | 1158.2 | 994.1  | 890.5  | 832.7  | 796.4  | 749.3  | 699.5  | 667.2  |
| 50°    | 1559.1 | 1333.1 | 1205.3 | 1088.3 | 921.5  | 820.6  | 764.1  | 730.5  | 699.5  | 653.8  | 622.8  |
| 52.5°  | 1420.5 | 1245.7 | 1123.3 | 1011.6 | 843.5  | 746.6  | 696.8  | 672.6  | 640.3  | 608.0  | 581.1  |
| 55°    | 1286.0 | 1132.7 | 1031.8 | 925.5  | 766.8  | 676.6  | 628.2  | 602.7  | 583.8  | 556.9  | 535.4  |
| 57.5°  | 1130.0 | 1027.7 | 934.9  | 838.1  | 695.5  | 613.4  | 567.7  | 536.7  | 524.6  | 512.5  | 492.3  |
| 60°    | 986.0  | 908.0  | 832.7  | 752.0  | 621.5  | 547.5  | 503.1  | 478.9  | 466.8  | 458.7  | 445.3  |
| 62.5°  | 854.2  | 793.7  | 729.1  | 664.5  | 546.2  | 478.9  | 445.3  | 421.1  | 410.3  | 408.9  | 396.8  |
| 65°    | 727.8  | 684.7  | 632.3  | 569.0  | 476.2  | 417.0  | 384.7  | 369.9  | 357.8  | 357.8  | 348.4  |
| 67.5°  | 601.3  | 571.7  | 530.0  | 485.6  | 413.0  | 357.8  | 328.2  | 314.8  | 308.1  | 308.1  | 301.3  |
| 70°    | 500.4  | 480.2  | 442.6  | 403.6  | 340.3  | 298.6  | 275.8  | 263.7  | 259.6  | 261.0  | 255.6  |
| 72.5°  | 406.3  | 384.7  | 353.8  | 325.5  | 278.5  | 247.5  | 231.4  | 217.9  | 211.2  | 212.5  | 211.2  |
| 75°    | 314.8  | 304.0  | 277.1  | 255.6  | 217.9  | 196.4  | 181.6  | 174.9  | 169.5  | 170.8  | 168.2  |
| 77.5°  | 236.8  | 220.6  | 205.8  | 191.0  | 168.2  | 150.7  | 138.6  | 131.8  | 127.8  | 127.8  | 127.8  |
| 80°    | 161.4  | 158.7  | 146.6  | 138.6  | 119.7  | 106.3  | 96.9   | 95.5   | 91.5   | 91.5   | 91.5   |
| 82.5°  | 104.9  | 98.2   | 91.5   | 86.1   | 75.3   | 67.3   | 63.2   | 60.5   | 59.2   | 57.8   | 60.5   |
| 85°    | 57.8   | 53.8   | 51.1   | 45.7   | 41.7   | 37.7   | 33.6   | 32.3   | 30.9   | 32.3   | 30.9   |
| 87.5°  | 22.9   | 18.8   | 18.8   | 17.5   | 16.1   | 14.8   | 14.8   | 12.1   | 12.1   | 10.8   | 10.8   |
| 90°    | 6.9    | 5.6    | 5.0    | 4.5    | 3.5    | 2.5    | 1.5    | 0.5    | 1.5    | 2.5    | 3.5    |
| 92.5°  | 9.0    | 8.1    | 7.7    | 8.0    | 8.6    | 9.2    | 9.8    | 10.4   | 9.8    | 9.2    | 8.6    |
| 95°    | 10.7   | 9.6    | 9.0    | 11.1   | 15.2   | 19.3   | 23.5   | 27.6   | 23.5   | 19.3   | 15.2   |
| 97.5°  | 29.8   | 34.9   | 37.5   | 38.9   | 41.7   | 44.5   | 47.3   | 50.1   | 47.3   | 44.5   | 41.7   |
| 100°   | 61.9   | 77.6   | 85.4   | 84.4   | 82.4   | 80.3   | 78.3   | 76.3   | 78.3   | 80.3   | 82.4   |
| 102.5° | 85.8   | 103.3  | 112.0  | 111.4  | 110.1  | 108.8  | 107.5  | 106.2  | 107.5  | 108.8  | 110.1  |
| 105°   | 126.0  | 135.1  | 139.6  | 139.0  | 137.9  | 136.8  | 135.7  | 134.6  | 135.7  | 136.8  | 137.9  |
| 107.5° | 171.2  | 169.7  | 169.0  | 168.5  | 167.6  | 166.7  | 165.8  | 164.9  | 165.8  | 166.7  | 167.6  |
| 110°   | 200.4  | 199.3  | 198.8  | 198.4  | 197.6  | 196.8  | 196.0  | 195.2  | 196.0  | 196.8  | 197.6  |

TEST NUMBER: P1031366

CATALOG NUMBER: S123DIW-B1000D460UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 228.9 | 227.8 | 227.2  | 226.9 | 226.2 | 225.5 | 224.8 | 224.1 | 224.8 | 225.5 | 226.2 |
| 115°   | 256.6 | 255.7 | 255.2  | 254.9 | 254.3 | 253.7 | 253.1 | 252.5 | 253.1 | 253.7 | 254.3 |
| 117.5° | 284.5 | 284.0 | 283.7  | 283.3 | 282.6 | 281.9 | 281.2 | 280.5 | 281.2 | 281.9 | 282.6 |
| 120°   | 310.8 | 310.5 | 310.4  | 309.9 | 309.0 | 308.1 | 307.2 | 306.3 | 307.2 | 308.1 | 309.0 |
| 122.5° | 336.3 | 335.9 | 335.7  | 335.3 | 334.6 | 333.9 | 333.2 | 332.5 | 333.2 | 333.9 | 334.6 |
| 125°   | 360.2 | 359.8 | 359.6  | 359.2 | 358.4 | 357.6 | 356.8 | 356.0 | 356.8 | 357.6 | 358.4 |
| 127.5° | 383.9 | 383.4 | 383.1  | 382.7 | 381.9 | 381.1 | 380.3 | 379.5 | 380.3 | 381.1 | 381.9 |
| 130°   | 405.4 | 405.0 | 404.8  | 404.4 | 403.6 | 402.8 | 402.0 | 401.2 | 402.0 | 402.8 | 403.6 |
| 132.5° | 426.0 | 425.7 | 425.6  | 425.2 | 424.4 | 423.6 | 422.8 | 422.0 | 422.8 | 423.6 | 424.4 |
| 135°   | 446.5 | 446.1 | 445.9  | 445.6 | 445.0 | 444.4 | 443.8 | 443.2 | 443.8 | 444.4 | 445.0 |
| 137.5° | 465.2 | 465.0 | 464.9  | 464.5 | 463.7 | 462.9 | 462.1 | 461.3 | 462.1 | 462.9 | 463.7 |
| 140°   | 482.5 | 482.2 | 482.0  | 481.7 | 481.1 | 480.5 | 479.9 | 479.3 | 479.9 | 480.5 | 481.1 |
| 142.5° | 499.2 | 498.9 | 498.8  | 498.5 | 497.9 | 497.2 | 496.6 | 496.0 | 496.6 | 497.2 | 497.9 |
| 145°   | 514.9 | 514.7 | 514.6  | 514.2 | 513.5 | 512.8 | 512.1 | 511.4 | 512.1 | 512.8 | 513.5 |
| 147.5° | 528.9 | 528.7 | 528.6  | 528.3 | 527.8 | 527.3 | 526.8 | 526.3 | 526.8 | 527.3 | 527.8 |
| 150°   | 541.5 | 541.3 | 541.2  | 541.1 | 540.8 | 540.5 | 540.2 | 539.9 | 540.2 | 540.5 | 540.8 |
| 152.5° | 552.7 | 552.6 | 552.5  | 552.5 | 552.4 | 552.3 | 552.2 | 552.1 | 552.2 | 552.3 | 552.4 |
| 155°   | 562.6 | 562.5 | 562.5  | 562.6 | 562.8 | 563.0 | 563.2 | 563.4 | 563.2 | 563.0 | 562.8 |
| 157.5° | 572.2 | 572.3 | 572.4  | 572.4 | 572.4 | 572.4 | 572.4 | 572.4 | 572.4 | 572.4 | 572.4 |
| 160°   | 579.9 | 580.0 | 580.1  | 580.1 | 580.2 | 580.3 | 580.4 | 580.5 | 580.4 | 580.3 | 580.2 |
| 162.5° | 586.7 | 586.8 | 586.8  | 587.0 | 587.3 | 587.6 | 587.9 | 588.2 | 587.9 | 587.6 | 587.3 |
| 165°   | 592.6 | 592.7 | 592.7  | 592.9 | 593.2 | 593.5 | 593.8 | 594.1 | 593.8 | 593.5 | 593.2 |
| 167.5° | 597.2 | 597.2 | 597.2  | 597.4 | 597.8 | 598.2 | 598.6 | 599.0 | 598.6 | 598.2 | 597.8 |
| 170°   | 601.3 | 601.3 | 601.3  | 601.5 | 601.9 | 602.3 | 602.7 | 603.1 | 602.7 | 602.3 | 601.9 |
| 172.5° | 603.7 | 603.6 | 603.6  | 603.8 | 604.3 | 604.8 | 605.3 | 605.8 | 605.3 | 604.8 | 604.3 |
| 175°   | 606.0 | 605.9 | 605.8  | 606.1 | 606.6 | 607.1 | 607.6 | 608.1 | 607.6 | 607.1 | 606.6 |
| 177.5° | 606.9 | 606.8 | 606.7  | 607.0 | 607.5 | 608.0 | 608.5 | 609.0 | 608.5 | 608.0 | 607.5 |
| 180°   | 608.1 | 608.1 | 608.1  | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 |

TEST NUMBER: P1031366

CATALOG NUMBER: S123DIW-B1000D460UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 |
| 2.5°   | 1366.7 | 1365.4 | 1368.1 | 1360.0 | 1346.6 | 1339.8 | 1321.0 | 1317.0 | 1315.6 | 1317.0 | 1318.3 |
| 5°     | 1329.1 | 1327.7 | 1323.7 | 1310.2 | 1294.1 | 1282.0 | 1259.1 | 1257.8 | 1249.7 | 1241.6 | 1245.7 |
| 7.5°   | 1292.8 | 1287.4 | 1279.3 | 1261.8 | 1240.3 | 1226.8 | 1208.0 | 1194.6 | 1183.8 | 1177.1 | 1171.7 |
| 10°    | 1256.4 | 1248.4 | 1240.3 | 1217.4 | 1190.5 | 1170.3 | 1147.5 | 1136.7 | 1124.6 | 1119.2 | 1113.8 |
| 12.5°  | 1209.3 | 1201.3 | 1186.5 | 1159.6 | 1143.4 | 1117.9 | 1095.0 | 1084.2 | 1077.5 | 1066.8 | 1060.0 |
| 15°    | 1171.7 | 1155.5 | 1147.5 | 1119.2 | 1085.6 | 1082.9 | 1041.2 | 1038.5 | 1025.1 | 1025.1 | 1014.3 |
| 17.5°  | 1128.6 | 1116.5 | 1101.7 | 1073.5 | 1049.3 | 1025.1 | 1003.5 | 995.5  | 983.4  | 980.7  | 975.3  |
| 20°    | 1086.9 | 1070.8 | 1065.4 | 1037.2 | 1011.6 | 982.0  | 959.1  | 951.1  | 945.7  | 940.3  | 944.3  |
| 22.5°  | 1043.9 | 1030.4 | 1017.0 | 991.4  | 972.6  | 943.0  | 929.5  | 921.5  | 913.4  | 910.7  | 912.1  |
| 25°    | 1002.2 | 990.1  | 976.6  | 951.1  | 930.9  | 906.7  | 894.6  | 890.5  | 886.5  | 886.5  | 885.2  |
| 27.5°  | 961.8  | 949.7  | 937.6  | 914.7  | 894.6  | 877.1  | 867.7  | 863.6  | 859.6  | 862.3  | 865.0  |
| 30°    | 920.1  | 909.4  | 898.6  | 878.4  | 862.3  | 846.1  | 840.8  | 838.1  | 836.7  | 843.5  | 843.5  |
| 32.5°  | 882.5  | 873.0  | 865.0  | 846.1  | 830.0  | 816.5  | 812.5  | 813.9  | 815.2  | 819.2  | 821.9  |
| 35°    | 843.5  | 836.7  | 828.7  | 812.5  | 799.1  | 787.0  | 788.3  | 788.3  | 791.0  | 797.7  | 803.1  |
| 37.5°  | 808.5  | 799.1  | 792.3  | 778.9  | 768.1  | 757.4  | 761.4  | 765.4  | 768.1  | 776.2  | 778.9  |
| 40°    | 766.8  | 762.7  | 757.4  | 743.9  | 734.5  | 733.1  | 734.5  | 737.2  | 742.6  | 746.6  | 750.6  |
| 42.5°  | 733.1  | 727.8  | 721.0  | 710.3  | 702.2  | 703.5  | 704.9  | 707.6  | 710.3  | 717.0  | 721.0  |
| 45°    | 695.5  | 691.4  | 686.1  | 676.6  | 669.9  | 671.3  | 672.6  | 672.6  | 675.3  | 683.4  | 686.1  |
| 47.5°  | 653.8  | 655.1  | 648.4  | 639.0  | 634.9  | 634.9  | 634.9  | 637.6  | 644.4  | 647.0  | 648.4  |
| 50°    | 613.4  | 610.7  | 609.4  | 600.0  | 597.3  | 595.9  | 597.3  | 598.6  | 608.0  | 606.7  | 610.7  |
| 52.5°  | 570.4  | 570.4  | 569.0  | 563.6  | 559.6  | 559.6  | 556.9  | 563.6  | 566.3  | 569.0  | 573.1  |
| 55°    | 528.7  | 524.6  | 523.3  | 520.6  | 515.2  | 513.9  | 516.6  | 524.6  | 527.3  | 530.0  | 534.1  |
| 57.5°  | 482.9  | 482.9  | 480.2  | 476.2  | 476.2  | 476.2  | 476.2  | 481.6  | 485.6  | 488.3  | 496.4  |
| 60°    | 441.2  | 435.8  | 431.8  | 431.8  | 431.8  | 430.5  | 438.5  | 438.5  | 446.6  | 448.0  | 450.6  |
| 62.5°  | 391.5  | 388.8  | 386.1  | 387.4  | 386.1  | 388.8  | 391.5  | 396.8  | 398.2  | 402.2  | 406.3  |
| 65°    | 344.4  | 344.4  | 341.7  | 349.8  | 344.4  | 344.4  | 351.1  | 351.1  | 353.8  | 357.8  | 363.2  |
| 67.5°  | 298.6  | 300.0  | 297.3  | 297.3  | 300.0  | 301.3  | 302.7  | 308.1  | 309.4  | 314.8  | 321.5  |
| 70°    | 251.6  | 254.2  | 255.6  | 252.9  | 255.6  | 258.3  | 261.0  | 262.3  | 267.7  | 270.4  | 274.4  |
| 72.5°  | 209.9  | 212.5  | 208.5  | 209.9  | 211.2  | 213.9  | 215.2  | 217.9  | 220.6  | 228.7  | 231.4  |
| 75°    | 168.2  | 166.8  | 165.5  | 170.8  | 168.2  | 173.5  | 174.9  | 174.9  | 177.6  | 184.3  | 187.0  |
| 77.5°  | 129.1  | 129.1  | 130.5  | 127.8  | 131.8  | 130.5  | 131.8  | 135.9  | 139.9  | 139.9  | 150.7  |
| 80°    | 90.1   | 92.8   | 92.8   | 92.8   | 94.2   | 95.5   | 92.8   | 99.5   | 100.9  | 100.9  | 104.9  |
| 82.5°  | 57.8   | 59.2   | 57.8   | 60.5   | 60.5   | 63.2   | 61.9   | 63.2   | 65.9   | 68.6   | 70.0   |
| 85°    | 30.9   | 30.9   | 33.6   | 33.6   | 32.3   | 33.6   | 32.3   | 33.6   | 36.3   | 36.3   | 37.7   |
| 87.5°  | 10.8   | 10.8   | 10.8   | 10.8   | 12.1   | 10.8   | 12.1   | 12.1   | 10.8   | 10.8   | 14.8   |
| 90°    | 4.5    | 5.0    | 5.6    | 6.9    | 8.2    | 9.5    | 10.8   | 11.2   | 11.6   | 12.0   | 12.4   |
| 92.5°  | 8.0    | 7.7    | 8.1    | 9.0    | 9.9    | 10.8   | 11.7   | 12.4   | 13.1   | 13.8   | 14.5   |
| 95°    | 11.1   | 9.0    | 9.6    | 10.7   | 11.8   | 12.9   | 14.0   | 14.7   | 15.4   | 16.1   | 16.8   |
| 97.5°  | 38.9   | 37.5   | 34.9   | 29.8   | 24.7   | 19.6   | 14.5   | 15.3   | 16.1   | 16.9   | 17.7   |
| 100°   | 84.4   | 85.4   | 77.6   | 61.9   | 46.2   | 30.6   | 14.9   | 15.7   | 16.5   | 17.3   | 18.1   |
| 102.5° | 111.4  | 112.0  | 103.3  | 85.8   | 68.3   | 50.9   | 33.4   | 30.1   | 26.8   | 23.5   | 20.2   |
| 105°   | 139.0  | 139.6  | 135.1  | 126.0  | 117.0  | 107.9  | 98.9   | 81.1   | 63.4   | 45.6   | 27.9   |
| 107.5° | 168.5  | 169.0  | 169.7  | 171.2  | 172.7  | 174.2  | 175.7  | 160.3  | 144.8  | 129.4  | 113.9  |
| 110°   | 198.4  | 198.8  | 199.3  | 200.4  | 201.5  | 202.6  | 203.7  | 200.4  | 197.1  | 193.8  | 190.5  |

TEST NUMBER: P1031366

CATALOG NUMBER: S123DIW-B1000D460UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 226.9 | 227.2  | 227.8 | 228.9 | 230.0 | 231.1 | 232.2 | 233.1 | 234.0 | 234.9 | 235.8 |
| 115°   | 254.9 | 255.2  | 255.7 | 256.6 | 257.5 | 258.4 | 259.3 | 260.3 | 261.3 | 262.3 | 263.3 |
| 117.5° | 283.3 | 283.7  | 284.0 | 284.5 | 285.0 | 285.5 | 286.0 | 286.8 | 287.6 | 288.4 | 289.2 |
| 120°   | 309.9 | 310.4  | 310.5 | 310.8 | 311.1 | 311.4 | 311.7 | 312.5 | 313.3 | 314.1 | 314.9 |
| 122.5° | 335.3 | 335.7  | 335.9 | 336.3 | 336.7 | 337.1 | 337.5 | 338.0 | 338.5 | 339.0 | 339.5 |
| 125°   | 359.2 | 359.6  | 359.8 | 360.2 | 360.6 | 361.0 | 361.4 | 361.6 | 361.8 | 362.0 | 362.2 |
| 127.5° | 382.7 | 383.1  | 383.4 | 383.9 | 384.4 | 384.9 | 385.4 | 385.7 | 386.0 | 386.3 | 386.6 |
| 130°   | 404.4 | 404.8  | 405.0 | 405.4 | 405.8 | 406.2 | 406.6 | 407.0 | 407.4 | 407.8 | 408.2 |
| 132.5° | 425.2 | 425.6  | 425.7 | 426.0 | 426.3 | 426.6 | 426.9 | 427.3 | 427.7 | 428.1 | 428.5 |
| 135°   | 445.6 | 445.9  | 446.1 | 446.5 | 446.9 | 447.3 | 447.7 | 448.0 | 448.3 | 448.6 | 448.9 |
| 137.5° | 464.5 | 464.9  | 465.0 | 465.2 | 465.4 | 465.6 | 465.8 | 466.3 | 466.8 | 467.3 | 467.8 |
| 140°   | 481.7 | 482.0  | 482.2 | 482.5 | 482.8 | 483.1 | 483.4 | 483.8 | 484.2 | 484.6 | 485.0 |
| 142.5° | 498.5 | 498.8  | 498.9 | 499.2 | 499.5 | 499.8 | 500.1 | 500.4 | 500.7 | 501.0 | 501.3 |
| 145°   | 514.2 | 514.6  | 514.7 | 514.9 | 515.1 | 515.3 | 515.5 | 515.7 | 515.9 | 516.1 | 516.3 |
| 147.5° | 528.3 | 528.6  | 528.7 | 528.9 | 529.1 | 529.3 | 529.5 | 529.7 | 529.9 | 530.1 | 530.3 |
| 150°   | 541.1 | 541.2  | 541.3 | 541.5 | 541.7 | 541.9 | 542.1 | 542.3 | 542.5 | 542.7 | 542.9 |
| 152.5° | 552.5 | 552.5  | 552.6 | 552.7 | 552.8 | 552.9 | 553.0 | 553.4 | 553.8 | 554.2 | 554.6 |
| 155°   | 562.6 | 562.5  | 562.5 | 562.6 | 562.7 | 562.8 | 562.9 | 563.4 | 563.9 | 564.4 | 564.9 |
| 157.5° | 572.4 | 572.4  | 572.3 | 572.2 | 572.1 | 572.0 | 571.9 | 572.5 | 573.1 | 573.7 | 574.3 |
| 160°   | 580.1 | 580.1  | 580.0 | 579.9 | 579.8 | 579.7 | 579.6 | 580.2 | 580.8 | 581.4 | 582.0 |
| 162.5° | 587.0 | 586.8  | 586.8 | 586.7 | 586.6 | 586.5 | 586.4 | 587.1 | 587.8 | 588.5 | 589.2 |
| 165°   | 592.9 | 592.7  | 592.7 | 592.6 | 592.5 | 592.4 | 592.3 | 593.1 | 593.9 | 594.7 | 595.5 |
| 167.5° | 597.4 | 597.2  | 597.2 | 597.2 | 597.2 | 597.2 | 597.2 | 598.0 | 598.8 | 599.7 | 600.5 |
| 170°   | 601.5 | 601.3  | 601.3 | 601.3 | 601.3 | 601.3 | 601.3 | 602.1 | 602.9 | 603.7 | 604.5 |
| 172.5° | 603.8 | 603.6  | 603.6 | 603.7 | 603.8 | 603.9 | 604.0 | 604.8 | 605.6 | 606.4 | 607.2 |
| 175°   | 606.1 | 605.8  | 605.9 | 606.0 | 606.1 | 606.2 | 606.3 | 607.0 | 607.7 | 608.4 | 609.1 |
| 177.5° | 607.0 | 606.7  | 606.8 | 606.9 | 607.0 | 607.1 | 607.2 | 608.0 | 608.8 | 609.6 | 610.4 |
| 180°   | 608.1 | 608.1  | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 |

TEST NUMBER: P1031366

CATALOG NUMBER: S123DIW-B1000D460UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 |
| 2.5°   | 1317.0 | 1318.3 | 1312.9 | 1308.9 | 1319.7 | 1312.9 | 1312.9 | 1314.3 | 1311.6 | 1315.6 | 1314.3 |
| 5°     | 1243.0 | 1244.3 | 1234.9 | 1237.6 | 1232.2 | 1230.9 | 1229.5 | 1237.6 | 1236.3 | 1234.9 | 1237.6 |
| 7.5°   | 1170.3 | 1170.3 | 1166.3 | 1163.6 | 1163.6 | 1159.6 | 1165.0 | 1163.6 | 1166.3 | 1166.3 | 1170.3 |
| 10°    | 1109.8 | 1112.5 | 1105.8 | 1099.0 | 1097.7 | 1099.0 | 1099.0 | 1100.4 | 1101.7 | 1111.1 | 1109.8 |
| 12.5°  | 1060.0 | 1056.0 | 1054.6 | 1050.6 | 1043.9 | 1041.2 | 1038.5 | 1053.3 | 1049.3 | 1049.3 | 1049.3 |
| 15°    | 1004.9 | 1014.3 | 1012.9 | 1000.8 | 998.2  | 1003.5 | 1000.8 | 1000.8 | 1014.3 | 1012.9 | 1011.6 |
| 17.5°  | 975.3  | 972.6  | 969.9  | 963.2  | 964.5  | 963.2  | 964.5  | 964.5  | 972.6  | 972.6  | 972.6  |
| 20°    | 941.7  | 936.3  | 936.3  | 933.6  | 933.6  | 929.5  | 934.9  | 936.3  | 941.7  | 941.7  | 943.0  |
| 22.5°  | 912.1  | 908.0  | 908.0  | 906.7  | 909.4  | 904.0  | 909.4  | 910.7  | 910.7  | 914.7  | 914.7  |
| 25°    | 886.5  | 883.8  | 883.8  | 886.5  | 886.5  | 886.5  | 886.5  | 891.9  | 887.8  | 889.2  | 887.8  |
| 27.5°  | 863.6  | 865.0  | 866.3  | 867.7  | 866.3  | 867.7  | 869.0  | 871.7  | 873.0  | 871.7  | 869.0  |
| 30°    | 842.1  | 846.1  | 847.5  | 847.5  | 850.2  | 851.5  | 852.9  | 852.9  | 854.2  | 850.2  | 852.9  |
| 32.5°  | 826.0  | 826.0  | 828.7  | 830.0  | 832.7  | 834.0  | 834.0  | 836.7  | 835.4  | 831.3  | 832.7  |
| 35°    | 803.1  | 803.1  | 808.5  | 811.2  | 815.2  | 813.9  | 815.2  | 815.2  | 816.5  | 813.9  | 809.8  |
| 37.5°  | 780.2  | 782.9  | 782.9  | 788.3  | 789.6  | 791.0  | 789.6  | 792.3  | 791.0  | 788.3  | 787.0  |
| 40°    | 753.3  | 752.0  | 753.3  | 757.4  | 758.7  | 758.7  | 758.7  | 761.4  | 761.4  | 761.4  | 760.0  |
| 42.5°  | 719.7  | 723.7  | 722.4  | 726.4  | 725.1  | 725.1  | 727.8  | 730.5  | 731.8  | 727.8  | 729.1  |
| 45°    | 687.4  | 687.4  | 690.1  | 690.1  | 691.4  | 691.4  | 696.8  | 694.1  | 696.8  | 694.1  | 695.5  |
| 47.5°  | 652.4  | 653.8  | 653.8  | 655.1  | 657.8  | 660.5  | 657.8  | 659.2  | 659.2  | 660.5  | 657.8  |
| 50°    | 613.4  | 613.4  | 616.1  | 620.1  | 625.5  | 622.8  | 621.5  | 626.9  | 622.8  | 622.8  | 620.1  |
| 52.5°  | 573.1  | 577.1  | 578.4  | 582.5  | 586.5  | 587.9  | 589.2  | 586.5  | 587.9  | 583.8  | 585.2  |
| 55°    | 534.1  | 535.4  | 540.8  | 544.8  | 548.8  | 548.8  | 547.5  | 548.8  | 550.2  | 544.8  | 544.8  |
| 57.5°  | 495.0  | 499.1  | 504.5  | 504.5  | 509.8  | 509.8  | 508.5  | 508.5  | 509.8  | 505.8  | 504.5  |
| 60°    | 453.3  | 457.4  | 464.1  | 464.1  | 472.2  | 473.5  | 470.8  | 468.1  | 468.1  | 464.1  | 465.4  |
| 62.5°  | 408.9  | 413.0  | 417.0  | 423.7  | 429.1  | 426.4  | 431.8  | 426.4  | 427.8  | 419.7  | 419.7  |
| 65°    | 369.9  | 371.3  | 378.0  | 384.7  | 384.7  | 387.4  | 384.7  | 386.1  | 382.0  | 382.0  | 376.7  |
| 67.5°  | 324.2  | 324.2  | 330.9  | 337.6  | 344.4  | 344.4  | 344.4  | 340.3  | 340.3  | 336.3  | 336.3  |
| 70°    | 283.8  | 282.5  | 289.2  | 293.3  | 297.3  | 298.6  | 295.9  | 294.6  | 291.9  | 287.9  | 286.5  |
| 72.5°  | 234.1  | 236.8  | 243.5  | 246.2  | 252.9  | 251.6  | 258.3  | 250.2  | 250.2  | 243.5  | 242.1  |
| 75°    | 189.7  | 192.4  | 199.1  | 203.1  | 207.2  | 207.2  | 211.2  | 207.2  | 201.8  | 199.1  | 197.7  |
| 77.5°  | 150.7  | 149.3  | 154.7  | 161.4  | 162.8  | 161.4  | 164.1  | 162.8  | 157.4  | 157.4  | 154.7  |
| 80°    | 107.6  | 111.7  | 117.0  | 115.7  | 121.1  | 119.7  | 119.7  | 117.0  | 117.0  | 113.0  | 115.7  |
| 82.5°  | 71.3   | 75.3   | 76.7   | 75.3   | 76.7   | 79.4   | 80.7   | 79.4   | 79.4   | 76.7   | 78.0   |
| 85°    | 37.7   | 37.7   | 40.4   | 41.7   | 40.4   | 40.4   | 41.7   | 45.7   | 43.0   | 40.4   | 43.0   |
| 87.5°  | 12.1   | 10.8   | 10.8   | 12.1   | 10.8   | 10.8   | 12.1   | 12.1   | 13.5   | 13.5   | 13.5   |
| 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°  | 14.9   | 15.0   | 15.1   | 15.2   | 15.3   | 15.4   | 15.3   | 15.2   | 15.1   | 15.0   | 14.9   |
| 95°    | 17.2   | 17.2   | 17.2   | 17.2   | 17.2   | 17.2   | 17.2   | 17.2   | 17.2   | 17.2   | 17.2   |
| 97.5°  | 18.1   | 18.1   | 18.2   | 18.3   | 18.4   | 18.5   | 18.4   | 18.3   | 18.2   | 18.1   | 18.1   |
| 100°   | 18.5   | 18.6   | 18.7   | 18.8   | 18.9   | 19.0   | 18.9   | 18.8   | 18.7   | 18.6   | 18.5   |
| 102.5° | 18.5   | 18.6   | 18.8   | 19.0   | 19.2   | 19.4   | 19.2   | 19.0   | 18.8   | 18.6   | 18.5   |
| 105°   | 19.0   | 19.1   | 19.3   | 19.5   | 19.7   | 19.9   | 19.7   | 19.5   | 19.3   | 19.1   | 19.0   |
| 107.5° | 106.2  | 99.6   | 86.5   | 73.3   | 60.2   | 47.0   | 60.2   | 73.3   | 86.5   | 99.6   | 106.2  |
| 110°   | 188.8  | 181.6  | 167.3  | 152.9  | 138.6  | 124.2  | 138.6  | 152.9  | 167.3  | 181.6  | 188.8  |

TEST NUMBER: P1031366

CATALOG NUMBER: S123DIW-B1000D460UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 236.3  | 236.2 | 236.0 | 235.8 | 235.6 | 235.4 | 235.6 | 235.8 | 236.0 | 236.2 | 236.3  |
| 115°   | 263.8  | 264.0 | 264.4 | 264.8 | 265.2 | 265.6 | 265.2 | 264.8 | 264.4 | 264.0 | 263.8  |
| 117.5° | 289.6  | 289.6 | 289.7 | 289.8 | 289.9 | 290.0 | 289.9 | 289.8 | 289.7 | 289.6 | 289.6  |
| 120°   | 315.3  | 315.3 | 315.3 | 315.3 | 315.3 | 315.3 | 315.3 | 315.3 | 315.3 | 315.3 | 315.3  |
| 122.5° | 339.7  | 339.8 | 339.9 | 340.0 | 340.1 | 340.2 | 340.1 | 340.0 | 339.9 | 339.8 | 339.7  |
| 125°   | 362.3  | 362.4 | 362.6 | 362.8 | 363.0 | 363.2 | 363.0 | 362.8 | 362.6 | 362.4 | 362.3  |
| 127.5° | 386.7  | 386.6 | 386.4 | 386.2 | 386.0 | 385.8 | 386.0 | 386.2 | 386.4 | 386.6 | 386.7  |
| 130°   | 408.4  | 408.3 | 408.1 | 407.9 | 407.7 | 407.5 | 407.7 | 407.9 | 408.1 | 408.3 | 408.4  |
| 132.5° | 428.7  | 428.6 | 428.3 | 428.0 | 427.7 | 427.4 | 427.7 | 428.0 | 428.3 | 428.6 | 428.7  |
| 135°   | 449.1  | 448.9 | 448.6 | 448.3 | 448.0 | 447.7 | 448.0 | 448.3 | 448.6 | 448.9 | 449.1  |
| 137.5° | 468.0  | 467.9 | 467.7 | 467.5 | 467.3 | 467.1 | 467.3 | 467.5 | 467.7 | 467.9 | 468.0  |
| 140°   | 485.2  | 485.1 | 484.9 | 484.7 | 484.5 | 484.3 | 484.5 | 484.7 | 484.9 | 485.1 | 485.2  |
| 142.5° | 501.5  | 501.3 | 501.0 | 500.7 | 500.4 | 500.1 | 500.4 | 500.7 | 501.0 | 501.3 | 501.5  |
| 145°   | 516.4  | 516.4 | 516.4 | 516.4 | 516.4 | 516.4 | 516.4 | 516.4 | 516.4 | 516.4 | 516.4  |
| 147.5° | 530.4  | 530.1 | 529.6 | 529.1 | 528.6 | 528.1 | 528.6 | 529.1 | 529.6 | 530.1 | 530.4  |
| 150°   | 543.0  | 542.9 | 542.6 | 542.3 | 542.0 | 541.7 | 542.0 | 542.3 | 542.6 | 542.9 | 543.0  |
| 152.5° | 554.8  | 554.5 | 554.0 | 553.5 | 553.0 | 552.5 | 553.0 | 553.5 | 554.0 | 554.5 | 554.8  |
| 155°   | 565.2  | 564.9 | 564.3 | 563.7 | 563.1 | 562.5 | 563.1 | 563.7 | 564.3 | 564.9 | 565.2  |
| 157.5° | 574.6  | 574.2 | 573.4 | 572.6 | 571.8 | 571.0 | 571.8 | 572.6 | 573.4 | 574.2 | 574.6  |
| 160°   | 582.3  | 582.0 | 581.3 | 580.6 | 579.9 | 579.2 | 579.9 | 580.6 | 581.3 | 582.0 | 582.3  |
| 162.5° | 589.6  | 589.3 | 588.7 | 588.0 | 587.4 | 586.8 | 587.4 | 588.0 | 588.7 | 589.3 | 589.6  |
| 165°   | 595.9  | 595.5 | 594.8 | 594.1 | 593.4 | 592.7 | 593.4 | 594.1 | 594.8 | 595.5 | 595.9  |
| 167.5° | 600.9  | 600.5 | 599.7 | 598.8 | 598.0 | 597.2 | 598.0 | 598.8 | 599.7 | 600.5 | 600.9  |
| 170°   | 604.9  | 604.5 | 603.7 | 602.9 | 602.1 | 601.3 | 602.1 | 602.9 | 603.7 | 604.5 | 604.9  |
| 172.5° | 607.6  | 607.2 | 606.3 | 605.4 | 604.5 | 603.6 | 604.5 | 605.4 | 606.3 | 607.2 | 607.6  |
| 175°   | 609.4  | 609.0 | 608.2 | 607.4 | 606.6 | 605.8 | 606.6 | 607.4 | 608.2 | 609.0 | 609.4  |
| 177.5° | 610.8  | 610.3 | 609.3 | 608.3 | 607.3 | 606.3 | 607.3 | 608.3 | 609.3 | 610.3 | 610.8  |
| 180°   | 608.1  | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1  |

TEST NUMBER: P1031366

CATALOG NUMBER: S123DIW-B1000D460UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 | 1388.3 |
| 2.5°   | 1318.3 | 1321.0 | 1322.3 | 1317.0 | 1312.9 | 1319.7 | 1329.1 | 1335.8 | 1341.2 | 1347.9 | 1351.9 |
| 5°     | 1240.3 | 1249.7 | 1249.7 | 1252.4 | 1256.4 | 1263.2 | 1280.6 | 1292.8 | 1303.5 | 1311.6 | 1318.3 |
| 7.5°   | 1174.4 | 1181.1 | 1185.1 | 1191.9 | 1198.6 | 1208.0 | 1228.2 | 1245.7 | 1261.8 | 1271.2 | 1282.0 |
| 10°    | 1115.2 | 1120.6 | 1127.3 | 1131.3 | 1143.4 | 1156.9 | 1182.4 | 1197.2 | 1216.1 | 1230.9 | 1244.3 |
| 12.5°  | 1058.7 | 1077.5 | 1081.6 | 1080.2 | 1091.0 | 1105.8 | 1131.3 | 1154.2 | 1174.4 | 1189.2 | 1204.0 |
| 15°    | 1018.3 | 1025.1 | 1033.1 | 1031.8 | 1054.6 | 1058.7 | 1080.2 | 1107.1 | 1134.0 | 1143.4 | 1156.9 |
| 17.5°  | 973.9  | 984.7  | 992.8  | 996.8  | 1003.5 | 1018.3 | 1038.5 | 1058.7 | 1093.7 | 1095.0 | 1130.0 |
| 20°    | 939.0  | 949.7  | 955.1  | 960.5  | 964.5  | 982.0  | 999.5  | 1022.4 | 1050.6 | 1065.4 | 1084.2 |
| 22.5°  | 916.1  | 921.5  | 925.5  | 929.5  | 934.9  | 944.3  | 965.9  | 991.4  | 1010.3 | 1026.4 | 1038.5 |
| 25°    | 889.2  | 894.6  | 899.9  | 902.6  | 906.7  | 912.1  | 928.2  | 948.4  | 975.3  | 986.0  | 998.2  |
| 27.5°  | 870.4  | 870.4  | 873.0  | 873.0  | 878.4  | 883.8  | 895.9  | 914.7  | 936.3  | 949.7  | 965.9  |
| 30°    | 850.2  | 848.8  | 850.2  | 848.8  | 847.5  | 855.6  | 866.3  | 882.5  | 897.3  | 913.4  | 924.2  |
| 32.5°  | 830.0  | 828.7  | 828.7  | 830.0  | 824.6  | 828.7  | 834.0  | 848.8  | 865.0  | 873.0  | 885.2  |
| 35°    | 808.5  | 805.8  | 805.8  | 805.8  | 803.1  | 800.4  | 805.8  | 819.2  | 830.0  | 840.8  | 850.2  |
| 37.5°  | 787.0  | 782.9  | 782.9  | 780.2  | 777.5  | 773.5  | 773.5  | 784.3  | 799.1  | 803.1  | 815.2  |
| 40°    | 757.4  | 757.4  | 754.7  | 753.3  | 750.6  | 747.9  | 743.9  | 753.3  | 766.8  | 770.8  | 780.2  |
| 42.5°  | 727.8  | 723.7  | 722.4  | 722.4  | 722.4  | 718.3  | 715.7  | 722.4  | 730.5  | 737.2  | 742.6  |
| 45°    | 694.1  | 691.4  | 692.8  | 691.4  | 688.8  | 687.4  | 686.1  | 688.8  | 698.2  | 700.9  | 707.6  |
| 47.5°  | 657.8  | 656.5  | 656.5  | 655.1  | 653.8  | 655.1  | 649.7  | 656.5  | 659.2  | 661.8  | 667.2  |
| 50°    | 620.1  | 618.8  | 617.5  | 616.1  | 616.1  | 617.5  | 616.1  | 616.1  | 621.5  | 624.2  | 629.6  |
| 52.5°  | 582.5  | 578.4  | 578.4  | 577.1  | 577.1  | 574.4  | 577.1  | 578.4  | 581.1  | 583.8  | 586.5  |
| 55°    | 542.1  | 542.1  | 538.1  | 538.1  | 535.4  | 535.4  | 536.7  | 535.4  | 540.8  | 543.5  | 543.5  |
| 57.5°  | 503.1  | 497.7  | 499.1  | 496.4  | 493.7  | 492.3  | 492.3  | 495.0  | 497.7  | 497.7  | 500.4  |
| 60°    | 461.4  | 456.0  | 454.7  | 449.3  | 452.0  | 448.0  | 449.3  | 449.3  | 454.7  | 452.0  | 454.7  |
| 62.5°  | 419.7  | 413.0  | 408.9  | 406.3  | 406.3  | 407.6  | 404.9  | 403.6  | 406.3  | 408.9  | 414.3  |
| 65°    | 375.3  | 371.3  | 367.2  | 363.2  | 363.2  | 361.9  | 364.6  | 360.5  | 359.2  | 360.5  | 363.2  |
| 67.5°  | 329.6  | 325.5  | 321.5  | 317.5  | 318.8  | 314.8  | 312.1  | 316.1  | 313.4  | 314.8  | 317.5  |
| 70°    | 285.2  | 282.5  | 274.4  | 271.7  | 270.4  | 271.7  | 270.4  | 267.7  | 271.7  | 270.4  | 271.7  |
| 72.5°  | 240.8  | 238.1  | 234.1  | 227.3  | 227.3  | 226.0  | 224.7  | 224.7  | 223.3  | 223.3  | 223.3  |
| 75°    | 197.7  | 192.4  | 188.3  | 187.0  | 184.3  | 182.9  | 181.6  | 178.9  | 180.3  | 181.6  | 178.9  |
| 77.5°  | 153.4  | 146.6  | 145.3  | 145.3  | 141.2  | 141.2  | 142.6  | 141.2  | 139.9  | 139.9  | 139.9  |
| 80°    | 113.0  | 107.6  | 107.6  | 104.9  | 102.2  | 102.2  | 102.2  | 102.2  | 100.9  | 99.5   | 100.9  |
| 82.5°  | 72.6   | 71.3   | 70.0   | 70.0   | 72.6   | 67.3   | 70.0   | 68.6   | 67.3   | 67.3   | 65.9   |
| 85°    | 40.4   | 41.7   | 40.4   | 41.7   | 39.0   | 40.4   | 40.4   | 40.4   | 39.0   | 40.4   | 37.7   |
| 87.5°  | 14.8   | 14.8   | 14.8   | 16.1   | 16.1   | 16.1   | 16.1   | 16.1   | 17.5   | 16.1   | 16.1   |
| 90°    | 12.4   | 12.0   | 11.6   | 11.2   | 10.8   | 9.5    | 8.2    | 6.9    | 5.6    | 5.0    | 4.5    |
| 92.5°  | 14.5   | 13.8   | 13.1   | 12.4   | 11.7   | 10.8   | 9.9    | 9.0    | 8.1    | 7.7    | 8.0    |
| 95°    | 16.8   | 16.1   | 15.4   | 14.7   | 14.0   | 12.9   | 11.8   | 10.7   | 9.6    | 9.0    | 11.1   |
| 97.5°  | 17.7   | 16.9   | 16.1   | 15.3   | 14.5   | 19.6   | 24.7   | 29.8   | 34.9   | 37.5   | 38.9   |
| 100°   | 18.1   | 17.3   | 16.5   | 15.7   | 14.9   | 30.6   | 46.2   | 61.9   | 77.6   | 85.4   | 84.4   |
| 102.5° | 20.2   | 23.5   | 26.8   | 30.1   | 33.4   | 50.9   | 68.3   | 85.8   | 103.3  | 112.0  | 111.4  |
| 105°   | 27.9   | 45.6   | 63.4   | 81.1   | 98.9   | 107.9  | 117.0  | 126.0  | 135.1  | 139.6  | 139.0  |
| 107.5° | 113.9  | 129.4  | 144.8  | 160.3  | 175.7  | 174.2  | 172.7  | 171.2  | 169.7  | 169.0  | 168.5  |
| 110°   | 190.5  | 193.8  | 197.1  | 200.4  | 203.7  | 202.6  | 201.5  | 200.4  | 199.3  | 198.8  | 198.4  |

TEST NUMBER: P1031366

CATALOG NUMBER: S123DIW-B1000D460UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 235.8 | 234.9 | 234.0 | 233.1 | 232.2 | 231.1 | 230.0 | 228.9 | 227.8 | 227.2  | 226.9 |
| 115°   | 263.3 | 262.3 | 261.3 | 260.3 | 259.3 | 258.4 | 257.5 | 256.6 | 255.7 | 255.2  | 254.9 |
| 117.5° | 289.2 | 288.4 | 287.6 | 286.8 | 286.0 | 285.5 | 285.0 | 284.5 | 284.0 | 283.7  | 283.3 |
| 120°   | 314.9 | 314.1 | 313.3 | 312.5 | 311.7 | 311.4 | 311.1 | 310.8 | 310.5 | 310.4  | 309.9 |
| 122.5° | 339.5 | 339.0 | 338.5 | 338.0 | 337.5 | 337.1 | 336.7 | 336.3 | 335.9 | 335.7  | 335.3 |
| 125°   | 362.2 | 362.0 | 361.8 | 361.6 | 361.4 | 361.0 | 360.6 | 360.2 | 359.8 | 359.6  | 359.2 |
| 127.5° | 386.6 | 386.3 | 386.0 | 385.7 | 385.4 | 384.9 | 384.4 | 383.9 | 383.4 | 383.1  | 382.7 |
| 130°   | 408.2 | 407.8 | 407.4 | 407.0 | 406.6 | 406.2 | 405.8 | 405.4 | 405.0 | 404.8  | 404.4 |
| 132.5° | 428.5 | 428.1 | 427.7 | 427.3 | 426.9 | 426.6 | 426.3 | 426.0 | 425.7 | 425.6  | 425.2 |
| 135°   | 448.9 | 448.6 | 448.3 | 448.0 | 447.7 | 447.3 | 446.9 | 446.5 | 446.1 | 445.9  | 445.6 |
| 137.5° | 467.8 | 467.3 | 466.8 | 466.3 | 465.8 | 465.6 | 465.4 | 465.2 | 465.0 | 464.9  | 464.5 |
| 140°   | 485.0 | 484.6 | 484.2 | 483.8 | 483.4 | 483.1 | 482.8 | 482.5 | 482.2 | 482.0  | 481.7 |
| 142.5° | 501.3 | 501.0 | 500.7 | 500.4 | 500.1 | 499.8 | 499.5 | 499.2 | 498.9 | 498.8  | 498.5 |
| 145°   | 516.3 | 516.1 | 515.9 | 515.7 | 515.5 | 515.3 | 515.1 | 514.9 | 514.7 | 514.6  | 514.2 |
| 147.5° | 530.3 | 530.1 | 529.9 | 529.7 | 529.5 | 529.3 | 529.1 | 528.9 | 528.7 | 528.6  | 528.3 |
| 150°   | 542.9 | 542.7 | 542.5 | 542.3 | 542.1 | 541.9 | 541.7 | 541.5 | 541.3 | 541.2  | 541.1 |
| 152.5° | 554.6 | 554.2 | 553.8 | 553.4 | 553.0 | 552.9 | 552.8 | 552.7 | 552.6 | 552.5  | 552.5 |
| 155°   | 564.9 | 564.4 | 563.9 | 563.4 | 562.9 | 562.8 | 562.7 | 562.6 | 562.5 | 562.5  | 562.6 |
| 157.5° | 574.3 | 573.7 | 573.1 | 572.5 | 571.9 | 572.0 | 572.1 | 572.2 | 572.3 | 572.4  | 572.4 |
| 160°   | 582.0 | 581.4 | 580.8 | 580.2 | 579.6 | 579.7 | 579.8 | 579.9 | 580.0 | 580.1  | 580.1 |
| 162.5° | 589.2 | 588.5 | 587.8 | 587.1 | 586.4 | 586.5 | 586.6 | 586.7 | 586.8 | 586.8  | 587.0 |
| 165°   | 595.5 | 594.7 | 593.9 | 593.1 | 592.3 | 592.4 | 592.5 | 592.6 | 592.7 | 592.7  | 592.9 |
| 167.5° | 600.5 | 599.7 | 598.8 | 598.0 | 597.2 | 597.2 | 597.2 | 597.2 | 597.2 | 597.2  | 597.4 |
| 170°   | 604.5 | 603.7 | 602.9 | 602.1 | 601.3 | 601.3 | 601.3 | 601.3 | 601.3 | 601.3  | 601.5 |
| 172.5° | 607.2 | 606.4 | 605.6 | 604.8 | 604.0 | 603.9 | 603.8 | 603.7 | 603.6 | 603.6  | 603.8 |
| 175°   | 609.1 | 608.4 | 607.7 | 607.0 | 606.3 | 606.2 | 606.1 | 606.0 | 605.9 | 605.8  | 606.1 |
| 177.5° | 610.4 | 609.6 | 608.8 | 608.0 | 607.2 | 607.1 | 607.0 | 606.9 | 606.8 | 606.7  | 607.0 |
| 180°   | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1  | 608.1 |

TEST NUMBER: P1031366

CATALOG NUMBER: S123DIW-B1000D460UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1388.3 | 1388.3 | 1388.3 | 1388.3 |
| 2.5°   | 1358.7 | 1362.7 | 1376.2 | 1392.3 |
| 5°     | 1331.8 | 1342.5 | 1361.4 | 1386.9 |
| 7.5°   | 1302.2 | 1318.3 | 1345.2 | 1377.5 |
| 10°    | 1268.5 | 1291.4 | 1325.0 | 1365.4 |
| 12.5°  | 1232.2 | 1261.8 | 1304.9 | 1346.6 |
| 15°    | 1209.3 | 1238.9 | 1278.0 | 1323.7 |
| 17.5°  | 1165.0 | 1199.9 | 1240.3 | 1304.9 |
| 20°    | 1119.2 | 1158.2 | 1210.7 | 1275.3 |
| 22.5°  | 1084.2 | 1125.9 | 1175.7 | 1244.3 |
| 25°    | 1042.5 | 1085.6 | 1139.4 | 1210.7 |
| 27.5°  | 998.2  | 1041.2 | 1101.7 | 1177.1 |
| 30°    | 964.5  | 1006.2 | 1064.1 | 1144.8 |
| 32.5°  | 924.2  | 964.5  | 1025.1 | 1109.8 |
| 35°    | 878.4  | 924.2  | 982.0  | 1068.1 |
| 37.5°  | 843.5  | 885.2  | 945.7  | 1027.7 |
| 40°    | 805.8  | 842.1  | 901.3  | 982.0  |
| 42.5°  | 765.4  | 805.8  | 856.9  | 937.6  |
| 45°    | 727.8  | 757.4  | 809.8  | 886.5  |
| 47.5°  | 687.4  | 721.0  | 761.4  | 820.6  |
| 50°    | 644.4  | 672.6  | 717.0  | 757.4  |
| 52.5°  | 602.7  | 625.5  | 663.2  | 694.1  |
| 55°    | 558.3  | 581.1  | 609.4  | 628.2  |
| 57.5°  | 516.6  | 532.7  | 551.5  | 563.6  |
| 60°    | 465.4  | 481.6  | 493.7  | 505.8  |
| 62.5°  | 419.7  | 431.8  | 438.5  | 445.3  |
| 65°    | 372.6  | 379.4  | 383.4  | 388.8  |
| 67.5°  | 321.5  | 328.2  | 329.6  | 337.6  |
| 70°    | 274.4  | 275.8  | 278.5  | 282.5  |
| 72.5°  | 230.0  | 232.7  | 231.4  | 234.1  |
| 75°    | 184.3  | 187.0  | 184.3  | 187.0  |
| 77.5°  | 139.9  | 142.6  | 142.6  | 146.6  |
| 80°    | 100.9  | 102.2  | 103.6  | 103.6  |
| 82.5°  | 65.9   | 70.0   | 67.3   | 68.6   |
| 85°    | 37.7   | 39.0   | 39.0   | 40.4   |
| 87.5°  | 17.5   | 18.8   | 17.5   | 20.2   |
| 90°    | 3.5    | 2.5    | 1.5    | 0.5    |
| 92.5°  | 8.6    | 9.2    | 9.8    | 10.4   |
| 95°    | 15.2   | 19.3   | 23.5   | 27.6   |
| 97.5°  | 41.7   | 44.5   | 47.3   | 50.1   |
| 100°   | 82.4   | 80.3   | 78.3   | 76.3   |
| 102.5° | 110.1  | 108.8  | 107.5  | 106.2  |
| 105°   | 137.9  | 136.8  | 135.7  | 134.6  |
| 107.5° | 167.6  | 166.7  | 165.8  | 164.9  |
| 110°   | 197.6  | 196.8  | 196.0  | 195.2  |

TEST NUMBER: P1031366

CATALOG NUMBER: S123DIW-B1000D460UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 226.2 | 225.5 | 224.8 | 224.1 |
| 115°   | 254.3 | 253.7 | 253.1 | 252.5 |
| 117.5° | 282.6 | 281.9 | 281.2 | 280.5 |
| 120°   | 309.0 | 308.1 | 307.2 | 306.3 |
| 122.5° | 334.6 | 333.9 | 333.2 | 332.5 |
| 125°   | 358.4 | 357.6 | 356.8 | 356.0 |
| 127.5° | 381.9 | 381.1 | 380.3 | 379.5 |
| 130°   | 403.6 | 402.8 | 402.0 | 401.2 |
| 132.5° | 424.4 | 423.6 | 422.8 | 422.0 |
| 135°   | 445.0 | 444.4 | 443.8 | 443.2 |
| 137.5° | 463.7 | 462.9 | 462.1 | 461.3 |
| 140°   | 481.1 | 480.5 | 479.9 | 479.3 |
| 142.5° | 497.9 | 497.2 | 496.6 | 496.0 |
| 145°   | 513.5 | 512.8 | 512.1 | 511.4 |
| 147.5° | 527.8 | 527.3 | 526.8 | 526.3 |
| 150°   | 540.8 | 540.5 | 540.2 | 539.9 |
| 152.5° | 552.4 | 552.3 | 552.2 | 552.1 |
| 155°   | 562.8 | 563.0 | 563.2 | 563.4 |
| 157.5° | 572.4 | 572.4 | 572.4 | 572.4 |
| 160°   | 580.2 | 580.3 | 580.4 | 580.5 |
| 162.5° | 587.3 | 587.6 | 587.9 | 588.2 |
| 165°   | 593.2 | 593.5 | 593.8 | 594.1 |
| 167.5° | 597.8 | 598.2 | 598.6 | 599.0 |
| 170°   | 601.9 | 602.3 | 602.7 | 603.1 |
| 172.5° | 604.3 | 604.8 | 605.3 | 605.8 |
| 175°   | 606.6 | 607.1 | 607.6 | 608.1 |
| 177.5° | 607.5 | 608.0 | 608.5 | 609.0 |
| 180°   | 608.1 | 608.1 | 608.1 | 608.1 |

(END OF REPORT)