

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: P1031498

Luminaire Tested: S123DIW-B1165D460UB30-4F0-XX-W2A-A

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1031498  
REPORT IS A COMBINATION OF REPORTS P991077 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S123DIW-B1165D460UB30-4F0-XX-W2A-A  
Description: Define 3 Direct/Indirect Wall Mount with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}  
Light Source: -  
Ballast/Driver: -

**Summary**

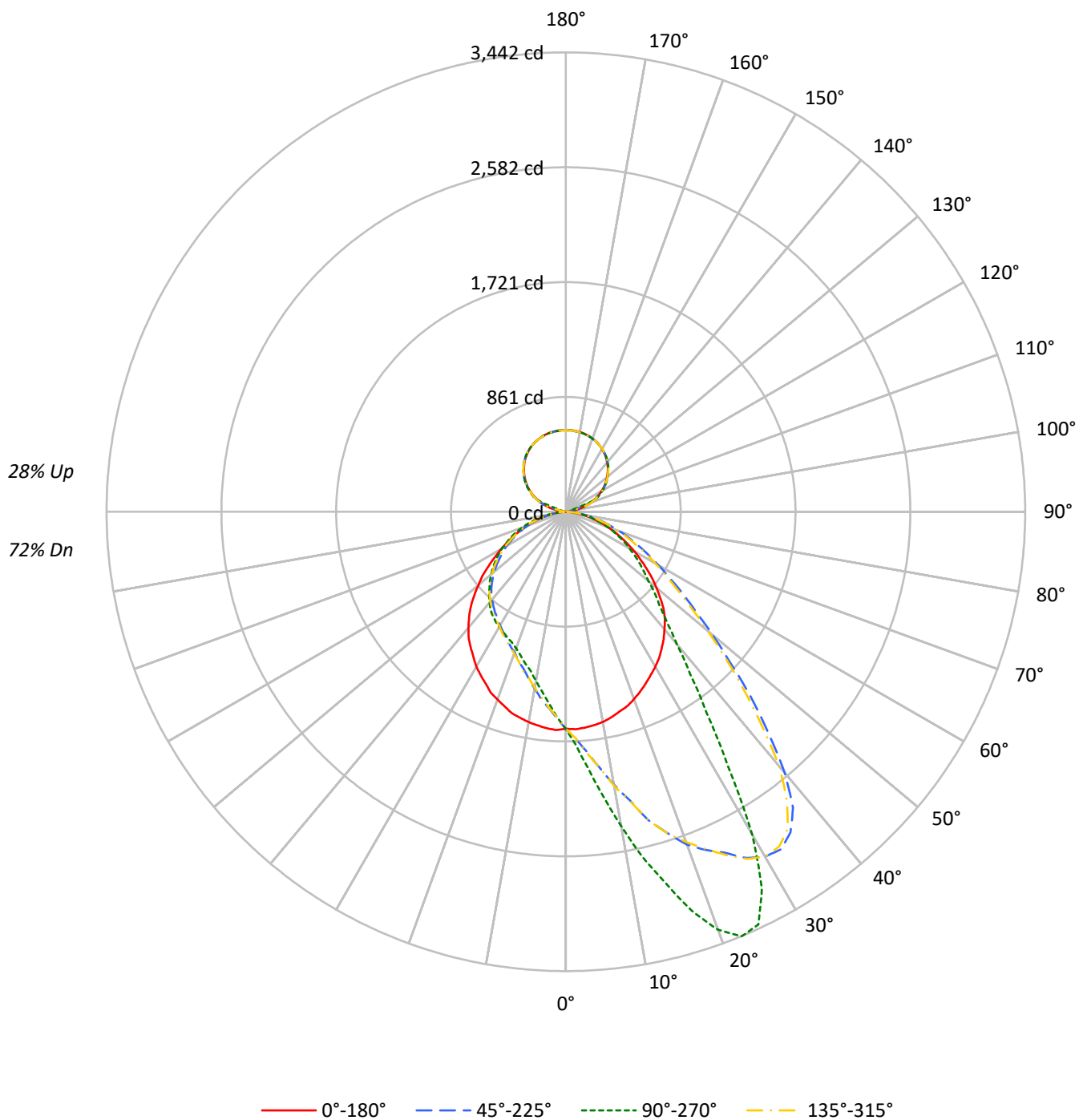
Lumens per Lamp: N/A  
Luminaire Lumens: 6772.0 lumens  
Efficiency: N/A  
Efficacy: 90.9 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 74.5  
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

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CATALOG NUMBER: S123DIW-B1165D460UB30-4F0-XX-W2A-A

### Luminous Intensity Polar Plot



TEST NUMBER: P1031498

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

|     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |
| RC  | 80  |     |     |     | 70  |     |     |     | 50 |    |    |    | 30 |    |    |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |
| 0   | 112 | 112 | 112 | 112 | 107 | 107 | 107 | 107 | 96 | 96 | 96 | 86 | 86 | 86 | 77 | 77 | 77 |
| 1   | 103 | 99  | 95  | 92  | 98  | 94  | 91  | 88  | 85 | 82 | 80 | 76 | 74 | 73 | 69 | 67 | 66 |
| 2   | 94  | 87  | 81  | 75  | 89  | 83  | 77  | 72  | 75 | 70 | 67 | 68 | 64 | 61 | 61 | 58 | 56 |
| 3   | 86  | 77  | 69  | 63  | 82  | 73  | 66  | 61  | 66 | 61 | 57 | 60 | 56 | 52 | 54 | 51 | 48 |
| 4   | 79  | 68  | 60  | 54  | 75  | 65  | 58  | 52  | 59 | 53 | 49 | 54 | 49 | 45 | 49 | 45 | 42 |
| 5   | 73  | 61  | 53  | 47  | 69  | 58  | 51  | 45  | 53 | 47 | 42 | 48 | 43 | 39 | 44 | 40 | 36 |
| 6   | 67  | 55  | 47  | 41  | 64  | 53  | 45  | 39  | 48 | 42 | 37 | 44 | 39 | 35 | 40 | 36 | 32 |
| 7   | 62  | 50  | 42  | 36  | 59  | 48  | 40  | 35  | 44 | 37 | 33 | 40 | 35 | 31 | 37 | 32 | 29 |
| 8   | 58  | 45  | 37  | 32  | 55  | 44  | 36  | 31  | 40 | 34 | 29 | 37 | 31 | 28 | 34 | 29 | 26 |
| 9   | 54  | 42  | 34  | 29  | 51  | 40  | 33  | 28  | 37 | 31 | 26 | 34 | 29 | 25 | 31 | 27 | 23 |
| 10  | 51  | 38  | 31  | 26  | 48  | 37  | 30  | 25  | 34 | 28 | 24 | 31 | 26 | 23 | 29 | 24 | 21 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 17500 | 17500 | 17500 | 17500 |
| 5°  | 17511 | 20164 | 17563 | 15049 |
| 10° | 17400 | 24401 | 17418 | 13141 |
| 15° | 17160 | 28938 | 17299 | 11829 |
| 20° | 16953 | 33317 | 16989 | 10885 |
| 25° | 16646 | 34156 | 16682 | 10392 |
| 30° | 16427 | 28220 | 16427 | 10069 |
| 35° | 16154 | 18873 | 16052 | 9784  |
| 40° | 15828 | 13624 | 15633 | 9347  |
| 45° | 15419 | 10792 | 14974 | 8805  |
| 50° | 14424 | 9165  | 13910 | 8271  |
| 55° | 13330 | 8053  | 12789 | 7677  |
| 60° | 12224 | 7012  | 11572 | 7052  |
| 65° | 11006 | 6005  | 10472 | 6220  |
| 70° | 9742  | 4984  | 9094  | 5243  |
| 75° | 8331  | 3759  | 7790  | 4047  |
| 80° | 6585  | 2509  | 6075  | 2659  |
| 85° | 4543  | 1153  | 3631  | 1048  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 28223 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 159.9  | 2.4       |
| 10°-20°   | 513.6  | 7.6       |
| 20°-30°   | 864.1  | 12.8      |
| 30°-40°   | 976.5  | 14.4      |
| 40°-50°   | 874.6  | 12.9      |
| 50°-60°   | 706.1  | 10.4      |
| 60°-70°   | 492.0  | 7.3       |
| 70°-80°   | 258.2  | 3.8       |
| 80°-90°   | 63.1   | 0.9       |
| 90°-100°  | 21.6   | 0.3       |
| 100°-110° | 104.2  | 1.5       |
| 110°-120° | 255.4  | 3.8       |
| 120°-130° | 324.3  | 4.8       |
| 130°-140° | 346.4  | 5.1       |
| 140°-150° | 323.9  | 4.8       |
| 150°-160° | 261.3  | 3.9       |
| 160°-170° | 168.6  | 2.5       |
| 170°-180° | 58.1   | 0.9       |
| 0°-30°    | 1537.6 | 22.7      |
| 0°-40°    | 2514.1 | 37.1      |
| 0°-60°    | 4094.8 | 60.5      |
| 0°-90°    | 4908.2 | 72.5      |
| 90°-120°  | 381.2  | 5.6       |
| 90°-150°  | 1375.8 | 20.3      |
| 90°-180°  | 1864.0 | 27.5      |
| 0°-180°   | 6772.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1626 | 1626 | 1626 | 1626 | 1626 |      |
| 5°   | 1624 | 1932 | 1629 | 1442 | 1624 | 154  |
| 15°  | 1550 | 2875 | 1563 | 1175 | 1550 | 438  |
| 25°  | 1418 | 3412 | 1421 | 1038 | 1418 | 654  |
| 35°  | 1251 | 1838 | 1243 | 953  | 1251 | 783  |
| 45°  | 1038 | 992  | 1008 | 810  | 1038 | 794  |
| 55°  | 736  | 674  | 706  | 643  | 736  | 659  |
| 65°  | 455  | 438  | 433  | 454  | 455  | 453  |
| 75°  | 219  | 225  | 205  | 243  | 219  | 235  |
| 85°  | 47   | 52   | 38   | 47   | 47   | 54   |
| 90°  | 0    | 14   | 0    | 14   | 0    | 5    |
| 95°  | 28   | 17   | 28   | 17   | 28   | 33   |
| 105° | 135  | 20   | 135  | 20   | 135  | 144  |
| 115° | 254  | 267  | 254  | 267  | 254  | 251  |
| 125° | 358  | 365  | 358  | 365  | 358  | 320  |
| 135° | 446  | 450  | 446  | 450  | 446  | 343  |
| 145° | 514  | 519  | 514  | 519  | 514  | 322  |
| 155° | 566  | 566  | 566  | 566  | 566  | 261  |
| 165° | 597  | 596  | 597  | 596  | 597  | 169  |
| 175° | 611  | 609  | 611  | 609  | 611  | 58   |
| 180° | 611  | 611  | 611  | 611  | 611  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 |
| 2.5°   | 1630.6 | 1643.2 | 1649.5 | 1658.9 | 1668.4 | 1682.5 | 1687.3 | 1695.1 | 1692.0 | 1698.3 | 1701.4 |
| 5°     | 1624.2 | 1646.3 | 1665.2 | 1688.8 | 1710.9 | 1726.7 | 1742.4 | 1767.6 | 1786.5 | 1789.7 | 1803.8 |
| 7.5°   | 1613.2 | 1644.7 | 1677.8 | 1710.9 | 1753.4 | 1778.6 | 1807.0 | 1841.7 | 1870.0 | 1915.7 | 1933.0 |
| 10°    | 1599.0 | 1643.2 | 1690.4 | 1736.1 | 1794.4 | 1833.8 | 1868.4 | 1926.7 | 1985.0 | 2032.3 | 2076.4 |
| 12.5°  | 1577.0 | 1632.1 | 1693.6 | 1761.3 | 1836.9 | 1882.6 | 1929.9 | 2007.1 | 2095.3 | 2167.8 | 2215.0 |
| 15°    | 1550.2 | 1619.5 | 1698.3 | 1770.8 | 1854.3 | 1939.3 | 1989.7 | 2076.4 | 2202.4 | 2270.2 | 2391.5 |
| 17.5°  | 1528.1 | 1599.0 | 1677.8 | 1791.2 | 1904.7 | 1989.7 | 2026.0 | 2185.1 | 2271.7 | 2385.2 | 2522.2 |
| 20°    | 1493.5 | 1583.3 | 1684.1 | 1797.5 | 1944.1 | 1996.0 | 2070.1 | 2230.8 | 2337.9 | 2486.0 | 2654.6 |
| 22.5°  | 1457.3 | 1553.4 | 1674.7 | 1792.8 | 1956.7 | 2011.8 | 2112.6 | 2240.2 | 2410.4 | 2556.9 | 2742.8 |
| 25°    | 1417.9 | 1521.8 | 1644.7 | 1784.9 | 1945.6 | 2026.0 | 2120.5 | 2278.0 | 2462.4 | 2646.7 | 2818.4 |
| 27.5°  | 1378.5 | 1491.9 | 1619.5 | 1759.7 | 1915.7 | 2010.2 | 2104.7 | 2268.6 | 2504.9 | 2705.0 | 2924.0 |
| 30°    | 1340.7 | 1454.1 | 1581.7 | 1725.1 | 1888.9 | 1980.3 | 2070.1 | 2274.9 | 2538.0 | 2763.3 | 2983.8 |
| 32.5°  | 1299.7 | 1416.3 | 1550.2 | 1669.9 | 1835.4 | 1933.0 | 2033.9 | 2274.9 | 2558.5 | 2797.9 | 2999.6 |
| 35°    | 1250.9 | 1370.6 | 1485.6 | 1605.3 | 1769.2 | 1877.9 | 1991.3 | 2259.1 | 2577.4 | 2809.0 | 2933.4 |
| 37.5°  | 1203.6 | 1309.2 | 1408.4 | 1525.0 | 1696.7 | 1813.3 | 1944.1 | 2240.2 | 2567.9 | 2761.7 | 2796.4 |
| 40°    | 1150.1 | 1255.6 | 1335.9 | 1444.7 | 1625.8 | 1761.3 | 1893.6 | 2215.0 | 2527.0 | 2649.8 | 2549.0 |
| 42.5°  | 1098.1 | 1181.6 | 1250.9 | 1356.4 | 1553.4 | 1685.7 | 1829.1 | 2169.3 | 2446.6 | 2471.8 | 2245.0 |
| 45°    | 1038.2 | 1098.1 | 1159.5 | 1279.2 | 1474.6 | 1610.1 | 1769.2 | 2103.2 | 2317.4 | 2245.0 | 1958.2 |
| 47.5°  | 961.0  | 1014.6 | 1082.3 | 1192.6 | 1391.1 | 1531.3 | 1682.5 | 2018.1 | 2130.0 | 1978.7 | 1665.2 |
| 50°    | 887.0  | 932.6  | 995.7  | 1102.8 | 1302.9 | 1439.9 | 1600.6 | 1884.2 | 1939.3 | 1701.4 | 1435.2 |
| 52.5°  | 812.9  | 847.6  | 909.0  | 1016.1 | 1216.2 | 1348.6 | 1495.1 | 1747.1 | 1715.6 | 1460.4 | 1224.1 |
| 55°    | 735.7  | 765.6  | 823.9  | 929.5  | 1115.4 | 1241.4 | 1381.6 | 1578.6 | 1496.6 | 1254.0 | 1065.0 |
| 57.5°  | 660.1  | 691.6  | 751.5  | 839.7  | 1014.6 | 1137.4 | 1249.3 | 1403.7 | 1280.8 | 1087.0 | 920.0  |
| 60°    | 592.4  | 619.1  | 664.8  | 751.5  | 910.6  | 1009.8 | 1112.2 | 1217.8 | 1115.4 | 927.9  | 800.3  |
| 62.5°  | 521.5  | 546.7  | 589.2  | 668.0  | 805.0  | 893.3  | 975.2  | 1061.8 | 948.4  | 811.3  | 697.9  |
| 65°    | 455.3  | 475.8  | 515.2  | 587.6  | 699.5  | 772.0  | 838.1  | 898.0  | 806.6  | 680.6  | 595.5  |
| 67.5°  | 395.4  | 412.8  | 445.8  | 510.4  | 605.0  | 656.9  | 710.5  | 760.9  | 683.7  | 582.9  | 510.4  |
| 70°    | 330.8  | 345.0  | 374.9  | 422.2  | 497.8  | 551.4  | 590.8  | 628.6  | 559.3  | 478.9  | 430.1  |
| 72.5°  | 274.1  | 288.3  | 307.2  | 356.0  | 408.0  | 441.1  | 483.7  | 504.1  | 464.7  | 398.6  | 349.7  |
| 75°    | 219.0  | 230.0  | 247.3  | 278.8  | 327.7  | 349.7  | 376.5  | 392.3  | 356.0  | 311.9  | 282.0  |
| 77.5°  | 171.7  | 176.4  | 189.0  | 211.1  | 244.2  | 269.4  | 289.9  | 299.3  | 274.1  | 245.8  | 220.6  |
| 80°    | 121.3  | 127.6  | 137.1  | 156.0  | 181.2  | 189.0  | 201.7  | 212.7  | 196.9  | 171.7  | 156.0  |
| 82.5°  | 80.3   | 88.2   | 92.9   | 100.8  | 116.6  | 126.0  | 129.2  | 138.6  | 124.5  | 115.0  | 108.7  |
| 85°    | 47.3   | 50.4   | 52.0   | 56.7   | 64.6   | 69.3   | 74.0   | 75.6   | 72.5   | 70.9   | 64.6   |
| 87.5°  | 23.6   | 23.6   | 23.6   | 26.8   | 28.4   | 31.5   | 33.1   | 33.1   | 33.1   | 31.5   | 29.9   |
| 90°    | 0.5    | 1.5    | 2.5    | 3.5    | 4.5    | 5.0    | 5.7    | 7.0    | 8.3    | 9.6    | 10.9   |
| 92.5°  | 10.4   | 9.8    | 9.2    | 8.6    | 8.0    | 7.7    | 8.2    | 9.1    | 10.0   | 10.9   | 11.8   |
| 95°    | 27.7   | 23.6   | 19.4   | 15.3   | 11.2   | 9.1    | 9.7    | 10.8   | 11.9   | 13.0   | 14.1   |
| 97.5°  | 50.4   | 47.6   | 44.8   | 41.9   | 39.1   | 37.7   | 35.1   | 30.0   | 24.8   | 19.7   | 14.5   |
| 100°   | 76.8   | 78.8   | 80.8   | 82.8   | 84.8   | 85.8   | 77.9   | 62.2   | 46.5   | 30.7   | 15.0   |
| 102.5° | 106.7  | 108.0  | 109.3  | 110.6  | 111.9  | 112.6  | 103.8  | 86.3   | 68.7   | 51.2   | 33.6   |
| 105°   | 135.4  | 136.5  | 137.6  | 138.7  | 139.8  | 140.3  | 135.8  | 126.7  | 117.6  | 108.6  | 99.5   |
| 107.5° | 165.8  | 166.7  | 167.6  | 168.5  | 169.4  | 169.9  | 170.7  | 172.2  | 173.7  | 175.2  | 176.7  |
| 110°   | 196.2  | 197.0  | 197.8  | 198.6  | 199.4  | 199.8  | 200.4  | 201.5  | 202.6  | 203.7  | 204.8  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 225.3 | 226.0 | 226.7 | 227.4 | 228.1 | 228.5 | 229.1 | 230.2 | 231.3 | 232.4 | 233.5 |
| 115°   | 253.9 | 254.5 | 255.1 | 255.7 | 256.3 | 256.6 | 257.1 | 258.0 | 258.9 | 259.8 | 260.7 |
| 117.5° | 282.1 | 282.8 | 283.5 | 284.2 | 284.9 | 285.2 | 285.5 | 286.0 | 286.5 | 287.0 | 287.5 |
| 120°   | 308.0 | 308.9 | 309.8 | 310.7 | 311.6 | 312.0 | 312.2 | 312.5 | 312.8 | 313.1 | 313.4 |
| 122.5° | 334.3 | 335.0 | 335.7 | 336.4 | 337.1 | 337.5 | 337.7 | 338.1 | 338.5 | 338.9 | 339.3 |
| 125°   | 357.9 | 358.7 | 359.5 | 360.3 | 361.1 | 361.5 | 361.7 | 362.1 | 362.6 | 363.0 | 363.4 |
| 127.5° | 381.5 | 382.3 | 383.1 | 384.0 | 384.8 | 385.2 | 385.4 | 385.9 | 386.4 | 386.9 | 387.4 |
| 130°   | 403.3 | 404.1 | 404.9 | 405.8 | 406.6 | 407.0 | 407.2 | 407.6 | 408.0 | 408.4 | 408.8 |
| 132.5° | 424.2 | 425.0 | 425.8 | 426.7 | 427.5 | 427.9 | 428.0 | 428.3 | 428.6 | 428.9 | 429.2 |
| 135°   | 445.6 | 446.2 | 446.8 | 447.4 | 448.0 | 448.3 | 448.5 | 448.9 | 449.3 | 449.7 | 450.1 |
| 137.5° | 463.7 | 464.5 | 465.3 | 466.2 | 467.0 | 467.4 | 467.5 | 467.7 | 467.9 | 468.1 | 468.3 |
| 140°   | 481.9 | 482.5 | 483.1 | 483.7 | 484.3 | 484.6 | 484.8 | 485.1 | 485.4 | 485.7 | 486.0 |
| 142.5° | 498.7 | 499.3 | 499.9 | 500.5 | 501.1 | 501.4 | 501.6 | 501.9 | 502.2 | 502.5 | 502.8 |
| 145°   | 514.2 | 514.9 | 515.6 | 516.3 | 517.0 | 517.3 | 517.4 | 517.6 | 517.8 | 518.0 | 518.2 |
| 147.5° | 529.1 | 529.6 | 530.1 | 530.6 | 531.1 | 531.4 | 531.5 | 531.7 | 531.9 | 532.1 | 532.3 |
| 150°   | 542.8 | 543.1 | 543.4 | 543.7 | 544.0 | 544.1 | 544.2 | 544.4 | 544.6 | 544.8 | 545.0 |
| 152.5° | 555.0 | 555.1 | 555.2 | 555.3 | 555.4 | 555.5 | 555.5 | 555.6 | 555.7 | 555.8 | 555.9 |
| 155°   | 566.4 | 566.2 | 566.0 | 565.8 | 565.6 | 565.5 | 565.5 | 565.6 | 565.7 | 565.8 | 565.9 |
| 157.5° | 575.5 | 575.5 | 575.5 | 575.5 | 575.5 | 575.5 | 575.4 | 575.3 | 575.2 | 575.1 | 575.0 |
| 160°   | 583.7 | 583.6 | 583.5 | 583.4 | 583.3 | 583.2 | 583.1 | 583.0 | 582.9 | 582.8 | 582.7 |
| 162.5° | 591.4 | 591.1 | 590.8 | 590.5 | 590.2 | 590.0 | 590.0 | 589.9 | 589.8 | 589.7 | 589.6 |
| 165°   | 597.3 | 597.0 | 596.7 | 596.4 | 596.1 | 595.9 | 595.9 | 595.8 | 595.7 | 595.6 | 595.5 |
| 167.5° | 602.3 | 601.9 | 601.5 | 601.1 | 600.7 | 600.5 | 600.5 | 600.5 | 600.5 | 600.5 | 600.5 |
| 170°   | 606.4 | 606.0 | 605.6 | 605.1 | 604.7 | 604.5 | 604.5 | 604.5 | 604.5 | 604.5 | 604.5 |
| 172.5° | 609.1 | 608.6 | 608.1 | 607.6 | 607.1 | 606.8 | 606.9 | 607.0 | 607.1 | 607.2 | 607.3 |
| 175°   | 611.4 | 610.9 | 610.4 | 609.9 | 609.4 | 609.1 | 609.1 | 609.2 | 609.3 | 609.4 | 609.5 |
| 177.5° | 612.3 | 611.8 | 611.3 | 610.8 | 610.3 | 610.0 | 610.1 | 610.2 | 610.3 | 610.4 | 610.5 |
| 180°   | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 |
| 2.5°   | 1712.5 | 1715.6 | 1726.7 | 1734.5 | 1750.3 | 1748.7 | 1748.7 | 1747.1 | 1742.4 | 1750.3 | 1755.0 |
| 5°     | 1832.2 | 1859.0 | 1862.1 | 1896.8 | 1898.4 | 1912.5 | 1922.0 | 1914.1 | 1933.0 | 1931.5 | 1917.3 |
| 7.5°   | 1980.3 | 2016.5 | 2033.9 | 2066.9 | 2104.7 | 2095.3 | 2131.5 | 2137.8 | 2134.7 | 2150.4 | 2161.5 |
| 10°    | 2142.6 | 2205.6 | 2249.7 | 2311.1 | 2326.9 | 2336.3 | 2360.0 | 2380.4 | 2421.4 | 2389.9 | 2410.4 |
| 12.5°  | 2328.5 | 2374.1 | 2432.4 | 2530.1 | 2578.9 | 2610.5 | 2621.5 | 2635.7 | 2664.0 | 2646.7 | 2648.3 |
| 15°    | 2484.4 | 2545.9 | 2645.1 | 2766.4 | 2780.6 | 2820.0 | 2810.5 | 2895.6 | 2936.6 | 2875.1 | 2909.8 |
| 17.5°  | 2646.7 | 2728.6 | 2846.8 | 2952.3 | 3012.2 | 3039.0 | 3064.2 | 3146.1 | 3142.9 | 3133.5 | 3141.4 |
| 20°    | 2750.7 | 2884.6 | 3031.1 | 3171.3 | 3188.6 | 3209.1 | 3276.9 | 3311.5 | 3305.2 | 3332.0 | 3349.3 |
| 22.5°  | 2897.2 | 3039.0 | 3194.9 | 3287.9 | 3327.3 | 3350.9 | 3404.5 | 3426.5 | 3436.0 | 3442.3 | 3431.2 |
| 25°    | 3020.1 | 3171.3 | 3286.3 | 3368.2 | 3391.9 | 3404.5 | 3421.8 | 3428.1 | 3423.4 | 3412.3 | 3421.8 |
| 27.5°  | 3103.6 | 3224.9 | 3303.6 | 3341.4 | 3328.8 | 3308.4 | 3275.3 | 3253.2 | 3204.4 | 3180.8 | 3209.1 |
| 30°    | 3138.2 | 3191.8 | 3215.4 | 3152.4 | 3089.4 | 3039.0 | 2976.0 | 2859.4 | 2768.0 | 2794.8 | 2758.5 |
| 32.5°  | 3083.1 | 3048.4 | 2935.0 | 2772.7 | 2723.9 | 2642.0 | 2463.9 | 2326.9 | 2331.6 | 2259.1 | 2289.1 |
| 35°    | 2920.8 | 2763.3 | 2549.0 | 2303.3 | 2238.7 | 2194.5 | 1999.2 | 1969.3 | 1906.2 | 1838.5 | 1857.4 |
| 37.5°  | 2634.1 | 2404.1 | 2144.1 | 1963.0 | 1866.9 | 1770.8 | 1660.5 | 1594.3 | 1556.5 | 1528.1 | 1550.2 |
| 40°    | 2284.3 | 2003.9 | 1789.7 | 1627.4 | 1545.5 | 1484.0 | 1408.4 | 1342.3 | 1299.7 | 1295.0 | 1302.9 |
| 42.5°  | 1940.9 | 1704.6 | 1507.7 | 1353.3 | 1326.5 | 1254.0 | 1205.2 | 1153.2 | 1140.6 | 1120.1 | 1131.1 |
| 45°    | 1643.2 | 1451.0 | 1288.7 | 1162.7 | 1131.1 | 1112.2 | 1052.4 | 1019.3 | 1005.1 | 992.5  | 1011.4 |
| 47.5°  | 1427.3 | 1225.7 | 1107.5 | 1031.9 | 1000.4 | 968.9  | 935.8  | 913.7  | 902.7  | 904.3  | 902.7  |
| 50°    | 1219.4 | 1071.3 | 967.3  | 909.0  | 890.1  | 868.1  | 841.3  | 827.1  | 822.4  | 808.2  | 819.2  |
| 52.5°  | 1049.2 | 942.1  | 869.6  | 814.5  | 800.3  | 784.6  | 762.5  | 754.6  | 743.6  | 740.4  | 740.4  |
| 55°    | 912.2  | 828.7  | 770.4  | 734.1  | 716.8  | 704.2  | 691.6  | 682.2  | 674.3  | 674.3  | 674.3  |
| 57.5°  | 805.0  | 732.6  | 690.0  | 658.5  | 652.2  | 639.6  | 625.4  | 625.4  | 614.4  | 612.8  | 617.6  |
| 60°    | 713.7  | 649.1  | 616.0  | 589.2  | 579.8  | 576.6  | 562.4  | 562.4  | 559.3  | 551.4  | 557.7  |
| 62.5°  | 620.7  | 573.4  | 545.1  | 524.6  | 515.2  | 515.2  | 504.1  | 496.3  | 496.3  | 497.8  | 494.7  |
| 65°    | 535.6  | 501.0  | 475.8  | 460.0  | 455.3  | 449.0  | 447.4  | 441.1  | 436.4  | 438.0  | 436.4  |
| 67.5°  | 460.0  | 433.2  | 415.9  | 403.3  | 395.4  | 392.3  | 387.6  | 387.6  | 384.4  | 386.0  | 378.1  |
| 70°    | 392.3  | 365.5  | 351.3  | 338.7  | 335.6  | 335.6  | 329.3  | 330.8  | 327.7  | 332.4  | 329.3  |
| 72.5°  | 323.0  | 302.5  | 291.5  | 286.7  | 283.6  | 282.0  | 278.8  | 275.7  | 274.1  | 277.3  | 275.7  |
| 75°    | 261.5  | 244.2  | 236.3  | 233.2  | 230.0  | 230.0  | 228.4  | 226.9  | 225.3  | 225.3  | 225.3  |
| 77.5°  | 203.2  | 192.2  | 182.7  | 185.9  | 181.2  | 182.7  | 178.0  | 178.0  | 179.6  | 178.0  | 178.0  |
| 80°    | 149.7  | 141.8  | 141.8  | 138.6  | 132.3  | 135.5  | 135.5  | 130.8  | 129.2  | 132.3  | 127.6  |
| 82.5°  | 99.3   | 97.7   | 94.5   | 92.9   | 89.8   | 91.4   | 89.8   | 88.2   | 86.6   | 89.8   | 86.6   |
| 85°    | 58.3   | 58.3   | 56.7   | 53.6   | 56.7   | 55.1   | 53.6   | 53.6   | 52.0   | 52.0   | 52.0   |
| 87.5°  | 29.9   | 26.8   | 26.8   | 25.2   | 26.8   | 23.6   | 25.2   | 23.6   | 22.1   | 23.6   | 22.1   |
| 90°    | 11.3   | 11.7   | 12.1   | 12.5   | 12.7   | 12.8   | 13.0   | 13.2   | 13.4   | 13.6   | 13.4   |
| 92.5°  | 12.5   | 13.2   | 13.9   | 14.6   | 15.0   | 15.0   | 15.1   | 15.2   | 15.3   | 15.4   | 15.3   |
| 95°    | 14.8   | 15.5   | 16.2   | 16.9   | 17.3   | 17.3   | 17.3   | 17.3   | 17.3   | 17.3   | 17.3   |
| 97.5°  | 15.3   | 16.1   | 17.0   | 17.8   | 18.2   | 18.2   | 18.3   | 18.4   | 18.5   | 18.6   | 18.5   |
| 100°   | 15.8   | 16.6   | 17.4   | 18.2   | 18.6   | 18.7   | 18.8   | 18.9   | 19.0   | 19.1   | 19.0   |
| 102.5° | 30.3   | 26.9   | 23.6   | 20.3   | 18.6   | 18.7   | 18.9   | 19.1   | 19.3   | 19.5   | 19.3   |
| 105°   | 81.6   | 63.8   | 45.9   | 28.0   | 19.1   | 19.2   | 19.4   | 19.6   | 19.8   | 20.0   | 19.8   |
| 107.5° | 161.1  | 145.6  | 130.0  | 114.5  | 106.7  | 100.1  | 86.9   | 73.6   | 60.4   | 47.2   | 60.4   |
| 110°   | 201.5  | 198.2  | 194.9  | 191.6  | 189.9  | 182.7  | 168.2  | 153.8  | 139.3  | 124.9  | 139.3  |

TEST NUMBER: P1031498

CATALOG NUMBER: S123DIW-B1165D460UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 234.4 | 235.3 | 236.2 | 237.1 | 237.5 | 237.4 | 237.2 | 237.0 | 236.8 | 236.6 | 236.8 |
| 115°   | 261.7 | 262.7 | 263.8 | 264.8 | 265.3 | 265.5 | 265.9 | 266.3 | 266.7 | 267.1 | 266.7 |
| 117.5° | 288.3 | 289.1 | 289.9 | 290.7 | 291.1 | 291.2 | 291.3 | 291.4 | 291.5 | 291.6 | 291.5 |
| 120°   | 314.2 | 315.0 | 315.8 | 316.6 | 317.0 | 317.0 | 317.0 | 317.0 | 317.0 | 317.0 | 317.0 |
| 122.5° | 339.8 | 340.3 | 340.8 | 341.3 | 341.6 | 341.6 | 341.7 | 341.8 | 341.9 | 342.0 | 341.9 |
| 125°   | 363.6 | 363.8 | 364.0 | 364.2 | 364.3 | 364.4 | 364.6 | 364.8 | 365.0 | 365.2 | 365.0 |
| 127.5° | 387.7 | 388.0 | 388.3 | 388.6 | 388.8 | 388.7 | 388.5 | 388.3 | 388.1 | 387.9 | 388.1 |
| 130°   | 409.2 | 409.6 | 410.0 | 410.4 | 410.6 | 410.5 | 410.3 | 410.1 | 409.9 | 409.7 | 409.9 |
| 132.5° | 429.6 | 430.0 | 430.4 | 430.8 | 431.0 | 430.9 | 430.6 | 430.3 | 430.0 | 429.7 | 430.0 |
| 135°   | 450.4 | 450.7 | 451.0 | 451.3 | 451.5 | 451.3 | 451.0 | 450.7 | 450.4 | 450.1 | 450.4 |
| 137.5° | 468.8 | 469.3 | 469.8 | 470.3 | 470.6 | 470.5 | 470.3 | 470.0 | 469.8 | 469.6 | 469.8 |
| 140°   | 486.4 | 486.8 | 487.2 | 487.6 | 487.8 | 487.7 | 487.5 | 487.3 | 487.1 | 486.9 | 487.1 |
| 142.5° | 503.1 | 503.4 | 503.7 | 504.0 | 504.2 | 504.0 | 503.7 | 503.4 | 503.1 | 502.8 | 503.1 |
| 145°   | 518.4 | 518.6 | 518.9 | 519.1 | 519.2 | 519.2 | 519.2 | 519.2 | 519.2 | 519.2 | 519.2 |
| 147.5° | 532.5 | 532.7 | 532.9 | 533.1 | 533.2 | 533.0 | 532.5 | 532.0 | 531.5 | 531.0 | 531.5 |
| 150°   | 545.2 | 545.4 | 545.7 | 545.9 | 546.0 | 545.8 | 545.5 | 545.2 | 544.9 | 544.6 | 544.9 |
| 152.5° | 556.3 | 556.7 | 557.2 | 557.6 | 557.8 | 557.5 | 557.0 | 556.5 | 556.0 | 555.5 | 556.0 |
| 155°   | 566.4 | 566.9 | 567.4 | 567.9 | 568.2 | 567.9 | 567.3 | 566.7 | 566.1 | 565.5 | 566.1 |
| 157.5° | 575.6 | 576.2 | 576.8 | 577.4 | 577.7 | 577.3 | 576.5 | 575.7 | 574.9 | 574.1 | 574.9 |
| 160°   | 583.3 | 583.9 | 584.6 | 585.2 | 585.5 | 585.1 | 584.4 | 583.7 | 583.0 | 582.3 | 583.0 |
| 162.5° | 590.3 | 591.0 | 591.7 | 592.4 | 592.7 | 592.4 | 591.8 | 591.2 | 590.6 | 590.0 | 590.6 |
| 165°   | 596.3 | 597.1 | 597.9 | 598.7 | 599.1 | 598.7 | 598.0 | 597.3 | 596.6 | 595.9 | 596.6 |
| 167.5° | 601.3 | 602.1 | 602.9 | 603.7 | 604.1 | 603.7 | 602.9 | 602.1 | 601.3 | 600.5 | 601.3 |
| 170°   | 605.3 | 606.1 | 607.0 | 607.8 | 608.2 | 607.8 | 607.0 | 606.1 | 605.3 | 604.5 | 605.3 |
| 172.5° | 608.1 | 608.9 | 609.7 | 610.5 | 610.9 | 610.4 | 609.5 | 608.6 | 607.7 | 606.8 | 607.7 |
| 175°   | 610.2 | 610.9 | 611.6 | 612.3 | 612.7 | 612.3 | 611.5 | 610.7 | 609.9 | 609.1 | 609.9 |
| 177.5° | 611.3 | 612.1 | 612.9 | 613.7 | 614.1 | 613.6 | 612.6 | 611.5 | 610.5 | 609.5 | 610.5 |
| 180°   | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 |

TEST NUMBER: P1031498

CATALOG NUMBER: S123DIW-B1165D460UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 |
| 2.5°   | 1742.4 | 1747.1 | 1734.5 | 1731.4 | 1731.4 | 1737.7 | 1733.0 | 1690.4 | 1698.3 | 1688.8 | 1685.7 |
| 5°     | 1934.6 | 1925.2 | 1912.5 | 1906.2 | 1898.4 | 1876.3 | 1874.7 | 1825.9 | 1816.4 | 1784.9 | 1770.8 |
| 7.5°   | 2145.7 | 2137.8 | 2100.0 | 2095.3 | 2092.1 | 2071.7 | 2019.7 | 1967.7 | 1929.9 | 1893.6 | 1859.0 |
| 10°    | 2386.7 | 2363.1 | 2345.8 | 2311.1 | 2293.8 | 2265.4 | 2197.7 | 2148.9 | 2084.3 | 2029.1 | 1956.7 |
| 12.5°  | 2676.6 | 2649.8 | 2591.6 | 2566.3 | 2544.3 | 2465.5 | 2397.8 | 2342.6 | 2216.6 | 2178.8 | 2089.0 |
| 15°    | 2889.3 | 2832.6 | 2826.3 | 2771.1 | 2768.0 | 2681.4 | 2552.2 | 2492.3 | 2394.6 | 2256.0 | 2163.0 |
| 17.5°  | 3119.3 | 3068.9 | 3029.5 | 2963.3 | 2953.9 | 2872.0 | 2777.5 | 2630.9 | 2523.8 | 2391.5 | 2273.3 |
| 20°    | 3287.9 | 3261.1 | 3193.4 | 3166.6 | 3111.4 | 3042.1 | 2944.4 | 2763.3 | 2632.5 | 2500.2 | 2355.2 |
| 22.5°  | 3421.8 | 3395.0 | 3341.4 | 3305.2 | 3273.7 | 3183.9 | 3067.3 | 2912.9 | 2733.3 | 2560.0 | 2410.4 |
| 25°    | 3420.2 | 3412.3 | 3390.3 | 3373.0 | 3349.3 | 3283.2 | 3185.5 | 3037.4 | 2837.3 | 2646.7 | 2438.7 |
| 27.5°  | 3226.4 | 3248.5 | 3286.3 | 3305.2 | 3300.5 | 3291.0 | 3235.9 | 3111.4 | 2931.8 | 2705.0 | 2471.8 |
| 30°    | 2823.1 | 2903.5 | 2974.4 | 3068.9 | 3097.3 | 3166.6 | 3198.1 | 3127.2 | 2983.8 | 2772.7 | 2514.4 |
| 32.5°  | 2341.1 | 2457.6 | 2612.0 | 2664.0 | 2753.8 | 2887.7 | 3037.4 | 3064.2 | 2974.4 | 2812.1 | 2541.1 |
| 35°    | 1920.4 | 2016.5 | 2136.3 | 2218.2 | 2298.5 | 2515.9 | 2705.0 | 2868.8 | 2898.8 | 2791.6 | 2534.8 |
| 37.5°  | 1589.6 | 1657.3 | 1762.9 | 1832.2 | 1906.2 | 2092.1 | 2356.8 | 2569.5 | 2719.2 | 2722.3 | 2517.5 |
| 40°    | 1350.1 | 1380.1 | 1471.4 | 1521.8 | 1592.7 | 1753.4 | 1989.7 | 2267.0 | 2486.0 | 2586.8 | 2471.8 |
| 42.5°  | 1143.7 | 1183.1 | 1258.8 | 1296.6 | 1342.3 | 1482.5 | 1638.4 | 1901.5 | 2172.5 | 2388.3 | 2386.7 |
| 45°    | 1020.9 | 1049.2 | 1083.9 | 1115.4 | 1167.4 | 1250.9 | 1428.9 | 1625.8 | 1885.8 | 2130.0 | 2226.1 |
| 47.5°  | 912.2  | 938.9  | 973.6  | 983.1  | 1017.7 | 1096.5 | 1205.2 | 1376.9 | 1619.5 | 1862.1 | 2043.3 |
| 50°    | 820.8  | 842.8  | 866.5  | 883.8  | 899.6  | 964.2  | 1046.1 | 1191.0 | 1384.8 | 1619.5 | 1844.8 |
| 52.5°  | 749.9  | 765.6  | 786.1  | 795.6  | 809.8  | 857.0  | 920.0  | 1027.2 | 1186.3 | 1400.5 | 1619.5 |
| 55°    | 683.7  | 694.8  | 707.4  | 723.1  | 729.4  | 764.1  | 812.9  | 904.3  | 1022.4 | 1214.6 | 1422.6 |
| 57.5°  | 622.3  | 627.0  | 634.9  | 644.3  | 652.2  | 682.2  | 724.7  | 786.1  | 890.1  | 1038.2 | 1235.1 |
| 60°    | 553.0  | 565.6  | 570.3  | 579.8  | 584.5  | 608.1  | 641.2  | 693.2  | 773.5  | 901.1  | 1049.2 |
| 62.5°  | 494.7  | 502.6  | 510.4  | 515.2  | 526.2  | 534.1  | 560.8  | 608.1  | 674.3  | 768.8  | 902.7  |
| 65°    | 442.7  | 445.8  | 450.6  | 455.3  | 458.4  | 467.9  | 493.1  | 524.6  | 575.0  | 658.5  | 762.5  |
| 67.5°  | 382.8  | 386.0  | 392.3  | 393.9  | 397.0  | 409.6  | 423.8  | 450.6  | 493.1  | 556.1  | 641.2  |
| 70°    | 324.5  | 329.3  | 332.4  | 335.6  | 340.3  | 345.0  | 360.8  | 382.8  | 415.9  | 460.0  | 526.2  |
| 72.5°  | 274.1  | 278.8  | 278.8  | 282.0  | 280.4  | 286.7  | 302.5  | 318.2  | 340.3  | 376.5  | 434.8  |
| 75°    | 223.7  | 223.7  | 226.9  | 228.4  | 230.0  | 236.3  | 242.6  | 255.2  | 272.5  | 300.9  | 337.1  |
| 77.5°  | 176.4  | 174.9  | 178.0  | 178.0  | 178.0  | 182.7  | 189.0  | 195.4  | 206.4  | 226.9  | 255.2  |
| 80°    | 129.2  | 129.2  | 132.3  | 133.9  | 130.8  | 132.3  | 135.5  | 141.8  | 149.7  | 163.8  | 179.6  |
| 82.5°  | 85.1   | 91.4   | 89.8   | 91.4   | 89.8   | 92.9   | 94.5   | 96.1   | 99.3   | 105.6  | 116.6  |
| 85°    | 52.0   | 52.0   | 52.0   | 53.6   | 52.0   | 53.6   | 53.6   | 53.6   | 55.1   | 58.3   | 63.0   |
| 87.5°  | 22.1   | 22.1   | 22.1   | 23.6   | 22.1   | 22.1   | 23.6   | 22.1   | 23.6   | 23.6   | 25.2   |
| 90°    | 13.2   | 13.0   | 12.8   | 12.7   | 12.5   | 12.1   | 11.7   | 11.3   | 10.9   | 9.6    | 8.3    |
| 92.5°  | 15.2   | 15.1   | 15.0   | 15.0   | 14.6   | 13.9   | 13.2   | 12.5   | 11.8   | 10.9   | 10.0   |
| 95°    | 17.3   | 17.3   | 17.3   | 17.3   | 16.9   | 16.2   | 15.5   | 14.8   | 14.1   | 13.0   | 11.9   |
| 97.5°  | 18.4   | 18.3   | 18.2   | 18.2   | 17.8   | 17.0   | 16.1   | 15.3   | 14.5   | 19.7   | 24.8   |
| 100°   | 18.9   | 18.8   | 18.7   | 18.6   | 18.2   | 17.4   | 16.6   | 15.8   | 15.0   | 30.7   | 46.5   |
| 102.5° | 19.1   | 18.9   | 18.7   | 18.6   | 20.3   | 23.6   | 26.9   | 30.3   | 33.6   | 51.2   | 68.7   |
| 105°   | 19.6   | 19.4   | 19.2   | 19.1   | 28.0   | 45.9   | 63.8   | 81.6   | 99.5   | 108.6  | 117.6  |
| 107.5° | 73.6   | 86.9   | 100.1  | 106.7  | 114.5  | 130.0  | 145.6  | 161.1  | 176.7  | 175.2  | 173.7  |
| 110°   | 153.8  | 168.2  | 182.7  | 189.9  | 191.6  | 194.9  | 198.2  | 201.5  | 204.8  | 203.7  | 202.6  |

TEST NUMBER: P1031498

CATALOG NUMBER: S123DIW-B1165D460UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 237.0 | 237.2 | 237.4 | 237.5  | 237.1 | 236.2 | 235.3 | 234.4 | 233.5 | 232.4 | 231.3 |
| 115°   | 266.3 | 265.9 | 265.5 | 265.3  | 264.8 | 263.8 | 262.7 | 261.7 | 260.7 | 259.8 | 258.9 |
| 117.5° | 291.4 | 291.3 | 291.2 | 291.1  | 290.7 | 289.9 | 289.1 | 288.3 | 287.5 | 287.0 | 286.5 |
| 120°   | 317.0 | 317.0 | 317.0 | 317.0  | 316.6 | 315.8 | 315.0 | 314.2 | 313.4 | 313.1 | 312.8 |
| 122.5° | 341.8 | 341.7 | 341.6 | 341.6  | 341.3 | 340.8 | 340.3 | 339.8 | 339.3 | 338.9 | 338.5 |
| 125°   | 364.8 | 364.6 | 364.4 | 364.3  | 364.2 | 364.0 | 363.8 | 363.6 | 363.4 | 363.0 | 362.6 |
| 127.5° | 388.3 | 388.5 | 388.7 | 388.8  | 388.6 | 388.3 | 388.0 | 387.7 | 387.4 | 386.9 | 386.4 |
| 130°   | 410.1 | 410.3 | 410.5 | 410.6  | 410.4 | 410.0 | 409.6 | 409.2 | 408.8 | 408.4 | 408.0 |
| 132.5° | 430.3 | 430.6 | 430.9 | 431.0  | 430.8 | 430.4 | 430.0 | 429.6 | 429.2 | 428.9 | 428.6 |
| 135°   | 450.7 | 451.0 | 451.3 | 451.5  | 451.3 | 451.0 | 450.7 | 450.4 | 450.1 | 449.7 | 449.3 |
| 137.5° | 470.0 | 470.3 | 470.5 | 470.6  | 470.3 | 469.8 | 469.3 | 468.8 | 468.3 | 468.1 | 467.9 |
| 140°   | 487.3 | 487.5 | 487.7 | 487.8  | 487.6 | 487.2 | 486.8 | 486.4 | 486.0 | 485.7 | 485.4 |
| 142.5° | 503.4 | 503.7 | 504.0 | 504.2  | 504.0 | 503.7 | 503.4 | 503.1 | 502.8 | 502.5 | 502.2 |
| 145°   | 519.2 | 519.2 | 519.2 | 519.2  | 519.1 | 518.9 | 518.6 | 518.4 | 518.2 | 518.0 | 517.8 |
| 147.5° | 532.0 | 532.5 | 533.0 | 533.2  | 533.1 | 532.9 | 532.7 | 532.5 | 532.3 | 532.1 | 531.9 |
| 150°   | 545.2 | 545.5 | 545.8 | 546.0  | 545.9 | 545.7 | 545.4 | 545.2 | 545.0 | 544.8 | 544.6 |
| 152.5° | 556.5 | 557.0 | 557.5 | 557.8  | 557.6 | 557.2 | 556.7 | 556.3 | 555.9 | 555.8 | 555.7 |
| 155°   | 566.7 | 567.3 | 567.9 | 568.2  | 567.9 | 567.4 | 566.9 | 566.4 | 565.9 | 565.8 | 565.7 |
| 157.5° | 575.7 | 576.5 | 577.3 | 577.7  | 577.4 | 576.8 | 576.2 | 575.6 | 575.0 | 575.1 | 575.2 |
| 160°   | 583.7 | 584.4 | 585.1 | 585.5  | 585.2 | 584.6 | 583.9 | 583.3 | 582.7 | 582.8 | 582.9 |
| 162.5° | 591.2 | 591.8 | 592.4 | 592.7  | 592.4 | 591.7 | 591.0 | 590.3 | 589.6 | 589.7 | 589.8 |
| 165°   | 597.3 | 598.0 | 598.7 | 599.1  | 598.7 | 597.9 | 597.1 | 596.3 | 595.5 | 595.6 | 595.7 |
| 167.5° | 602.1 | 602.9 | 603.7 | 604.1  | 603.7 | 602.9 | 602.1 | 601.3 | 600.5 | 600.5 | 600.5 |
| 170°   | 606.1 | 607.0 | 607.8 | 608.2  | 607.8 | 607.0 | 606.1 | 605.3 | 604.5 | 604.5 | 604.5 |
| 172.5° | 608.6 | 609.5 | 610.4 | 610.9  | 610.5 | 609.7 | 608.9 | 608.1 | 607.3 | 607.2 | 607.1 |
| 175°   | 610.7 | 611.5 | 612.3 | 612.7  | 612.3 | 611.6 | 610.9 | 610.2 | 609.5 | 609.4 | 609.3 |
| 177.5° | 611.5 | 612.6 | 613.6 | 614.1  | 613.7 | 612.9 | 612.1 | 611.3 | 610.5 | 610.4 | 610.3 |
| 180°   | 611.4 | 611.4 | 611.4 | 611.4  | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 |

TEST NUMBER: P1031498

CATALOG NUMBER: S123DIW-B1165D460UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 |
| 2.5°   | 1669.9 | 1665.2 | 1665.2 | 1662.1 | 1652.6 | 1635.3 | 1633.7 | 1636.9 | 1627.4 | 1617.9 | 1603.8 |
| 5°     | 1751.9 | 1721.9 | 1712.5 | 1703.0 | 1684.1 | 1652.6 | 1640.0 | 1629.0 | 1611.6 | 1591.2 | 1569.1 |
| 7.5°   | 1821.2 | 1778.6 | 1766.0 | 1748.7 | 1710.9 | 1666.8 | 1638.4 | 1614.8 | 1591.2 | 1562.8 | 1536.0 |
| 10°    | 1907.8 | 1846.4 | 1816.4 | 1791.2 | 1739.3 | 1677.8 | 1635.3 | 1600.6 | 1562.8 | 1528.1 | 1493.5 |
| 12.5°  | 2005.5 | 1906.2 | 1896.8 | 1835.4 | 1775.5 | 1684.1 | 1632.1 | 1581.7 | 1531.3 | 1488.8 | 1452.5 |
| 15°    | 2087.4 | 1978.7 | 1939.3 | 1898.4 | 1783.4 | 1669.9 | 1619.5 | 1562.8 | 1504.5 | 1458.8 | 1405.3 |
| 17.5°  | 2139.4 | 2049.6 | 1966.1 | 1911.0 | 1791.2 | 1690.4 | 1592.7 | 1528.1 | 1466.7 | 1403.7 | 1359.6 |
| 20°    | 2202.4 | 2071.7 | 1999.2 | 1925.2 | 1807.0 | 1674.7 | 1577.0 | 1496.6 | 1421.0 | 1364.3 | 1310.7 |
| 22.5°  | 2265.4 | 2089.0 | 2029.1 | 1948.8 | 1810.1 | 1658.9 | 1548.6 | 1468.3 | 1381.6 | 1324.9 | 1266.6 |
| 25°    | 2259.1 | 2114.2 | 2015.0 | 1947.2 | 1778.6 | 1644.7 | 1515.5 | 1421.0 | 1340.7 | 1268.2 | 1209.9 |
| 27.5°  | 2263.9 | 2085.8 | 1985.0 | 1906.2 | 1756.6 | 1624.2 | 1480.9 | 1381.6 | 1298.1 | 1222.5 | 1161.1 |
| 30°    | 2265.4 | 2043.3 | 1955.1 | 1860.6 | 1715.6 | 1575.4 | 1441.5 | 1340.7 | 1252.5 | 1170.5 | 1115.4 |
| 32.5°  | 2260.7 | 2008.6 | 1898.4 | 1813.3 | 1651.0 | 1528.1 | 1395.8 | 1288.7 | 1198.9 | 1123.3 | 1071.3 |
| 35°    | 2249.7 | 1967.7 | 1840.1 | 1733.0 | 1584.9 | 1460.4 | 1353.3 | 1243.0 | 1146.9 | 1077.6 | 1017.7 |
| 37.5°  | 2219.8 | 1923.6 | 1778.6 | 1673.1 | 1507.7 | 1381.6 | 1287.1 | 1195.7 | 1102.8 | 1020.9 | 970.5  |
| 40°    | 2197.7 | 1863.7 | 1717.2 | 1602.2 | 1424.2 | 1301.3 | 1222.5 | 1135.9 | 1044.5 | 970.5  | 921.6  |
| 42.5°  | 2147.3 | 1807.0 | 1654.2 | 1517.1 | 1342.3 | 1216.2 | 1142.2 | 1072.9 | 994.1  | 921.6  | 877.5  |
| 45°    | 2065.4 | 1745.6 | 1577.0 | 1438.4 | 1252.5 | 1132.7 | 1065.0 | 1008.3 | 938.9  | 869.6  | 825.5  |
| 47.5°  | 1950.4 | 1657.3 | 1495.1 | 1356.4 | 1164.2 | 1042.9 | 975.2  | 932.6  | 877.5  | 819.2  | 781.4  |
| 50°    | 1825.9 | 1561.2 | 1411.6 | 1274.5 | 1079.2 | 961.0  | 894.8  | 855.4  | 819.2  | 765.6  | 729.4  |
| 52.5°  | 1663.6 | 1458.8 | 1315.5 | 1184.7 | 987.8  | 874.4  | 816.1  | 787.7  | 749.9  | 712.1  | 680.6  |
| 55°    | 1506.1 | 1326.5 | 1208.3 | 1083.9 | 898.0  | 792.4  | 735.7  | 705.8  | 683.7  | 652.2  | 627.0  |
| 57.5°  | 1323.3 | 1203.6 | 1094.9 | 981.5  | 814.5  | 718.4  | 664.8  | 628.6  | 614.4  | 600.2  | 576.6  |
| 60°    | 1154.8 | 1063.4 | 975.2  | 880.7  | 727.8  | 641.2  | 589.2  | 560.8  | 546.7  | 537.2  | 521.5  |
| 62.5°  | 1000.4 | 929.5  | 853.9  | 778.3  | 639.6  | 560.8  | 521.5  | 493.1  | 480.5  | 478.9  | 464.7  |
| 65°    | 852.3  | 801.9  | 740.4  | 666.4  | 557.7  | 488.4  | 450.6  | 433.2  | 419.1  | 419.1  | 408.0  |
| 67.5°  | 704.2  | 669.5  | 620.7  | 568.7  | 483.7  | 419.1  | 384.4  | 368.6  | 360.8  | 360.8  | 352.9  |
| 70°    | 586.1  | 562.4  | 518.3  | 472.6  | 398.6  | 349.7  | 323.0  | 308.8  | 304.1  | 305.6  | 299.3  |
| 72.5°  | 475.8  | 450.6  | 414.3  | 381.2  | 326.1  | 289.9  | 271.0  | 255.2  | 247.3  | 248.9  | 247.3  |
| 75°    | 368.6  | 356.0  | 324.5  | 299.3  | 255.2  | 230.0  | 212.7  | 204.8  | 198.5  | 200.1  | 196.9  |
| 77.5°  | 277.3  | 258.4  | 241.0  | 223.7  | 196.9  | 176.4  | 162.3  | 154.4  | 149.7  | 149.7  | 149.7  |
| 80°    | 189.0  | 185.9  | 171.7  | 162.3  | 140.2  | 124.5  | 113.4  | 111.9  | 107.1  | 107.1  | 107.1  |
| 82.5°  | 122.9  | 115.0  | 107.1  | 100.8  | 88.2   | 78.8   | 74.0   | 70.9   | 69.3   | 67.7   | 70.9   |
| 85°    | 67.7   | 63.0   | 59.9   | 53.6   | 48.8   | 44.1   | 39.4   | 37.8   | 36.2   | 37.8   | 36.2   |
| 87.5°  | 26.8   | 22.1   | 22.1   | 20.5   | 18.9   | 17.3   | 17.3   | 14.2   | 14.2   | 12.6   | 12.6   |
| 90°    | 7.0    | 5.7    | 5.0    | 4.5    | 3.5    | 2.5    | 1.5    | 0.5    | 1.5    | 2.5    | 3.5    |
| 92.5°  | 9.1    | 8.2    | 7.7    | 8.0    | 8.6    | 9.2    | 9.8    | 10.4   | 9.8    | 9.2    | 8.6    |
| 95°    | 10.8   | 9.7    | 9.1    | 11.2   | 15.3   | 19.4   | 23.6   | 27.7   | 23.6   | 19.4   | 15.3   |
| 97.5°  | 30.0   | 35.1   | 37.7   | 39.1   | 41.9   | 44.8   | 47.6   | 50.4   | 47.6   | 44.8   | 41.9   |
| 100°   | 62.2   | 77.9   | 85.8   | 84.8   | 82.8   | 80.8   | 78.8   | 76.8   | 78.8   | 80.8   | 82.8   |
| 102.5° | 86.3   | 103.8  | 112.6  | 111.9  | 110.6  | 109.3  | 108.0  | 106.7  | 108.0  | 109.3  | 110.6  |
| 105°   | 126.7  | 135.8  | 140.3  | 139.8  | 138.7  | 137.6  | 136.5  | 135.4  | 136.5  | 137.6  | 138.7  |
| 107.5° | 172.2  | 170.7  | 169.9  | 169.4  | 168.5  | 167.6  | 166.7  | 165.8  | 166.7  | 167.6  | 168.5  |
| 110°   | 201.5  | 200.4  | 199.8  | 199.4  | 198.6  | 197.8  | 197.0  | 196.2  | 197.0  | 197.8  | 198.6  |

TEST NUMBER: P1031498

CATALOG NUMBER: S123DIW-B1165D460UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 230.2 | 229.1 | 228.5  | 228.1 | 227.4 | 226.7 | 226.0 | 225.3 | 226.0 | 226.7 | 227.4 |
| 115°   | 258.0 | 257.1 | 256.6  | 256.3 | 255.7 | 255.1 | 254.5 | 253.9 | 254.5 | 255.1 | 255.7 |
| 117.5° | 286.0 | 285.5 | 285.2  | 284.9 | 284.2 | 283.5 | 282.8 | 282.1 | 282.8 | 283.5 | 284.2 |
| 120°   | 312.5 | 312.2 | 312.0  | 311.6 | 310.7 | 309.8 | 308.9 | 308.0 | 308.9 | 309.8 | 310.7 |
| 122.5° | 338.1 | 337.7 | 337.5  | 337.1 | 336.4 | 335.7 | 335.0 | 334.3 | 335.0 | 335.7 | 336.4 |
| 125°   | 362.1 | 361.7 | 361.5  | 361.1 | 360.3 | 359.5 | 358.7 | 357.9 | 358.7 | 359.5 | 360.3 |
| 127.5° | 385.9 | 385.4 | 385.2  | 384.8 | 384.0 | 383.1 | 382.3 | 381.5 | 382.3 | 383.1 | 384.0 |
| 130°   | 407.6 | 407.2 | 407.0  | 406.6 | 405.8 | 404.9 | 404.1 | 403.3 | 404.1 | 404.9 | 405.8 |
| 132.5° | 428.3 | 428.0 | 427.9  | 427.5 | 426.7 | 425.8 | 425.0 | 424.2 | 425.0 | 425.8 | 426.7 |
| 135°   | 448.9 | 448.5 | 448.3  | 448.0 | 447.4 | 446.8 | 446.2 | 445.6 | 446.2 | 446.8 | 447.4 |
| 137.5° | 467.7 | 467.5 | 467.4  | 467.0 | 466.2 | 465.3 | 464.5 | 463.7 | 464.5 | 465.3 | 466.2 |
| 140°   | 485.1 | 484.8 | 484.6  | 484.3 | 483.7 | 483.1 | 482.5 | 481.9 | 482.5 | 483.1 | 483.7 |
| 142.5° | 501.9 | 501.6 | 501.4  | 501.1 | 500.5 | 499.9 | 499.3 | 498.7 | 499.3 | 499.9 | 500.5 |
| 145°   | 517.6 | 517.4 | 517.3  | 517.0 | 516.3 | 515.6 | 514.9 | 514.2 | 514.9 | 515.6 | 516.3 |
| 147.5° | 531.7 | 531.5 | 531.4  | 531.1 | 530.6 | 530.1 | 529.6 | 529.1 | 529.6 | 530.1 | 530.6 |
| 150°   | 544.4 | 544.2 | 544.1  | 544.0 | 543.7 | 543.4 | 543.1 | 542.8 | 543.1 | 543.4 | 543.7 |
| 152.5° | 555.6 | 555.5 | 555.5  | 555.4 | 555.3 | 555.2 | 555.1 | 555.0 | 555.1 | 555.2 | 555.3 |
| 155°   | 565.6 | 565.5 | 565.5  | 565.6 | 565.8 | 566.0 | 566.2 | 566.4 | 566.2 | 566.0 | 565.8 |
| 157.5° | 575.3 | 575.4 | 575.5  | 575.5 | 575.5 | 575.5 | 575.5 | 575.5 | 575.5 | 575.5 | 575.5 |
| 160°   | 583.0 | 583.1 | 583.2  | 583.3 | 583.4 | 583.5 | 583.6 | 583.7 | 583.6 | 583.5 | 583.4 |
| 162.5° | 589.9 | 590.0 | 590.0  | 590.2 | 590.5 | 590.8 | 591.1 | 591.4 | 591.1 | 590.8 | 590.5 |
| 165°   | 595.8 | 595.9 | 595.9  | 596.1 | 596.4 | 596.7 | 597.0 | 597.3 | 597.0 | 596.7 | 596.4 |
| 167.5° | 600.5 | 600.5 | 600.5  | 600.7 | 601.1 | 601.5 | 601.9 | 602.3 | 601.9 | 601.5 | 601.1 |
| 170°   | 604.5 | 604.5 | 604.5  | 604.7 | 605.1 | 605.6 | 606.0 | 606.4 | 606.0 | 605.6 | 605.1 |
| 172.5° | 607.0 | 606.9 | 606.8  | 607.1 | 607.6 | 608.1 | 608.6 | 609.1 | 608.6 | 608.1 | 607.6 |
| 175°   | 609.2 | 609.1 | 609.1  | 609.4 | 609.9 | 610.4 | 610.9 | 611.4 | 610.9 | 610.4 | 609.9 |
| 177.5° | 610.2 | 610.1 | 610.0  | 610.3 | 610.8 | 611.3 | 611.8 | 612.3 | 611.8 | 611.3 | 610.8 |
| 180°   | 611.4 | 611.4 | 611.4  | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 |

TEST NUMBER: P1031498

CATALOG NUMBER: S123DIW-B1165D460UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 |
| 2.5°   | 1600.6 | 1599.0 | 1602.2 | 1592.7 | 1577.0 | 1569.1 | 1547.1 | 1542.3 | 1540.8 | 1542.3 | 1543.9 |
| 5°     | 1556.5 | 1554.9 | 1550.2 | 1534.5 | 1515.5 | 1501.4 | 1474.6 | 1473.0 | 1463.6 | 1454.1 | 1458.8 |
| 7.5°   | 1514.0 | 1507.7 | 1498.2 | 1477.7 | 1452.5 | 1436.8 | 1414.7 | 1399.0 | 1386.4 | 1378.5 | 1372.2 |
| 10°    | 1471.4 | 1462.0 | 1452.5 | 1425.7 | 1394.2 | 1370.6 | 1343.8 | 1331.2 | 1317.0 | 1310.7 | 1304.4 |
| 12.5°  | 1416.3 | 1406.8 | 1389.5 | 1358.0 | 1339.1 | 1309.2 | 1282.4 | 1269.8 | 1261.9 | 1249.3 | 1241.4 |
| 15°    | 1372.2 | 1353.3 | 1343.8 | 1310.7 | 1271.4 | 1268.2 | 1219.4 | 1216.2 | 1200.5 | 1200.5 | 1187.9 |
| 17.5°  | 1321.8 | 1307.6 | 1290.3 | 1257.2 | 1228.8 | 1200.5 | 1175.3 | 1165.8 | 1151.6 | 1148.5 | 1142.2 |
| 20°    | 1272.9 | 1254.0 | 1247.7 | 1214.6 | 1184.7 | 1150.1 | 1123.3 | 1113.8 | 1107.5 | 1101.2 | 1105.9 |
| 22.5°  | 1222.5 | 1206.8 | 1191.0 | 1161.1 | 1139.0 | 1104.4 | 1088.6 | 1079.2 | 1069.7 | 1066.6 | 1068.1 |
| 25°    | 1173.7 | 1159.5 | 1143.7 | 1113.8 | 1090.2 | 1061.8 | 1047.6 | 1042.9 | 1038.2 | 1038.2 | 1036.6 |
| 27.5°  | 1126.4 | 1112.2 | 1098.1 | 1071.3 | 1047.6 | 1027.2 | 1016.1 | 1011.4 | 1006.7 | 1009.8 | 1013.0 |
| 30°    | 1077.6 | 1065.0 | 1052.4 | 1028.7 | 1009.8 | 990.9  | 984.6  | 981.5  | 979.9  | 987.8  | 987.8  |
| 32.5°  | 1033.5 | 1022.4 | 1013.0 | 990.9  | 972.0  | 956.3  | 951.5  | 953.1  | 954.7  | 959.4  | 962.6  |
| 35°    | 987.8  | 979.9  | 970.5  | 951.5  | 935.8  | 921.6  | 923.2  | 923.2  | 926.3  | 934.2  | 940.5  |
| 37.5°  | 946.8  | 935.8  | 927.9  | 912.2  | 899.6  | 887.0  | 891.7  | 896.4  | 899.6  | 909.0  | 912.2  |
| 40°    | 898.0  | 893.3  | 887.0  | 871.2  | 860.2  | 858.6  | 860.2  | 863.3  | 869.6  | 874.4  | 879.1  |
| 42.5°  | 858.6  | 852.3  | 844.4  | 831.8  | 822.4  | 823.9  | 825.5  | 828.7  | 831.8  | 839.7  | 844.4  |
| 45°    | 814.5  | 809.8  | 803.5  | 792.4  | 784.6  | 786.1  | 787.7  | 787.7  | 790.9  | 800.3  | 803.5  |
| 47.5°  | 765.6  | 767.2  | 759.3  | 748.3  | 743.6  | 743.6  | 743.6  | 746.7  | 754.6  | 757.8  | 759.3  |
| 50°    | 718.4  | 715.2  | 713.7  | 702.6  | 699.5  | 697.9  | 699.5  | 701.1  | 712.1  | 710.5  | 715.2  |
| 52.5°  | 668.0  | 668.0  | 666.4  | 660.1  | 655.4  | 655.4  | 652.2  | 660.1  | 663.2  | 666.4  | 671.1  |
| 55°    | 619.1  | 614.4  | 612.8  | 609.7  | 603.4  | 601.8  | 605.0  | 614.4  | 617.6  | 620.7  | 625.4  |
| 57.5°  | 565.6  | 565.6  | 562.4  | 557.7  | 557.7  | 557.7  | 557.7  | 564.0  | 568.7  | 571.9  | 581.3  |
| 60°    | 516.7  | 510.4  | 505.7  | 505.7  | 505.7  | 504.1  | 513.6  | 513.6  | 523.0  | 524.6  | 527.8  |
| 62.5°  | 458.4  | 455.3  | 452.1  | 453.7  | 452.1  | 455.3  | 458.4  | 464.7  | 466.3  | 471.0  | 475.8  |
| 65°    | 403.3  | 403.3  | 400.2  | 409.6  | 403.3  | 403.3  | 411.2  | 411.2  | 414.3  | 419.1  | 425.4  |
| 67.5°  | 349.7  | 351.3  | 348.2  | 348.2  | 351.3  | 352.9  | 354.5  | 360.8  | 362.3  | 368.6  | 376.5  |
| 70°    | 294.6  | 297.8  | 299.3  | 296.2  | 299.3  | 302.5  | 305.6  | 307.2  | 313.5  | 316.7  | 321.4  |
| 72.5°  | 245.8  | 248.9  | 244.2  | 245.8  | 247.3  | 250.5  | 252.1  | 255.2  | 258.4  | 267.8  | 271.0  |
| 75°    | 196.9  | 195.4  | 193.8  | 200.1  | 196.9  | 203.2  | 204.8  | 204.8  | 208.0  | 215.8  | 219.0  |
| 77.5°  | 151.2  | 151.2  | 152.8  | 149.7  | 154.4  | 152.8  | 154.4  | 159.1  | 163.8  | 163.8  | 176.4  |
| 80°    | 105.6  | 108.7  | 108.7  | 108.7  | 110.3  | 111.9  | 108.7  | 116.6  | 118.2  | 118.2  | 122.9  |
| 82.5°  | 67.7   | 69.3   | 67.7   | 70.9   | 70.9   | 74.0   | 72.5   | 74.0   | 77.2   | 80.3   | 81.9   |
| 85°    | 36.2   | 36.2   | 39.4   | 39.4   | 37.8   | 39.4   | 37.8   | 39.4   | 42.5   | 42.5   | 44.1   |
| 87.5°  | 12.6   | 12.6   | 12.6   | 12.6   | 14.2   | 12.6   | 14.2   | 14.2   | 12.6   | 12.6   | 17.3   |
| 90°    | 4.5    | 5.0    | 5.7    | 7.0    | 8.3    | 9.6    | 10.9   | 11.3   | 11.7   | 12.1   | 12.5   |
| 92.5°  | 8.0    | 7.7    | 8.2    | 9.1    | 10.0   | 10.9   | 11.8   | 12.5   | 13.2   | 13.9   | 14.6   |
| 95°    | 11.2   | 9.1    | 9.7    | 10.8   | 11.9   | 13.0   | 14.1   | 14.8   | 15.5   | 16.2   | 16.9   |
| 97.5°  | 39.1   | 37.7   | 35.1   | 30.0   | 24.8   | 19.7   | 14.5   | 15.3   | 16.1   | 17.0   | 17.8   |
| 100°   | 84.8   | 85.8   | 77.9   | 62.2   | 46.5   | 30.7   | 15.0   | 15.8   | 16.6   | 17.4   | 18.2   |
| 102.5° | 111.9  | 112.6  | 103.8  | 86.3   | 68.7   | 51.2   | 33.6   | 30.3   | 26.9   | 23.6   | 20.3   |
| 105°   | 139.8  | 140.3  | 135.8  | 126.7  | 117.6  | 108.6  | 99.5   | 81.6   | 63.8   | 45.9   | 28.0   |
| 107.5° | 169.4  | 169.9  | 170.7  | 172.2  | 173.7  | 175.2  | 176.7  | 161.1  | 145.6  | 130.0  | 114.5  |
| 110°   | 199.4  | 199.8  | 200.4  | 201.5  | 202.6  | 203.7  | 204.8  | 201.5  | 198.2  | 194.9  | 191.6  |

TEST NUMBER: P1031498

CATALOG NUMBER: S123DIW-B1165D460UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 228.1 | 228.5  | 229.1 | 230.2 | 231.3 | 232.4 | 233.5 | 234.4 | 235.3 | 236.2 | 237.1 |
| 115°   | 256.3 | 256.6  | 257.1 | 258.0 | 258.9 | 259.8 | 260.7 | 261.7 | 262.7 | 263.8 | 264.8 |
| 117.5° | 284.9 | 285.2  | 285.5 | 286.0 | 286.5 | 287.0 | 287.5 | 288.3 | 289.1 | 289.9 | 290.7 |
| 120°   | 311.6 | 312.0  | 312.2 | 312.5 | 312.8 | 313.1 | 313.4 | 314.2 | 315.0 | 315.8 | 316.6 |
| 122.5° | 337.1 | 337.5  | 337.7 | 338.1 | 338.5 | 338.9 | 339.3 | 339.8 | 340.3 | 340.8 | 341.3 |
| 125°   | 361.1 | 361.5  | 361.7 | 362.1 | 362.6 | 363.0 | 363.4 | 363.6 | 363.8 | 364.0 | 364.2 |
| 127.5° | 384.8 | 385.2  | 385.4 | 385.9 | 386.4 | 386.9 | 387.4 | 387.7 | 388.0 | 388.3 | 388.6 |
| 130°   | 406.6 | 407.0  | 407.2 | 407.6 | 408.0 | 408.4 | 408.8 | 409.2 | 409.6 | 410.0 | 410.4 |
| 132.5° | 427.5 | 427.9  | 428.0 | 428.3 | 428.6 | 428.9 | 429.2 | 429.6 | 430.0 | 430.4 | 430.8 |
| 135°   | 448.0 | 448.3  | 448.5 | 448.9 | 449.3 | 449.7 | 450.1 | 450.4 | 450.7 | 451.0 | 451.3 |
| 137.5° | 467.0 | 467.4  | 467.5 | 467.7 | 467.9 | 468.1 | 468.3 | 468.8 | 469.3 | 469.8 | 470.3 |
| 140°   | 484.3 | 484.6  | 484.8 | 485.1 | 485.4 | 485.7 | 486.0 | 486.4 | 486.8 | 487.2 | 487.6 |
| 142.5° | 501.1 | 501.4  | 501.6 | 501.9 | 502.2 | 502.5 | 502.8 | 503.1 | 503.4 | 503.7 | 504.0 |
| 145°   | 517.0 | 517.3  | 517.4 | 517.6 | 517.8 | 518.0 | 518.2 | 518.4 | 518.6 | 518.9 | 519.1 |
| 147.5° | 531.1 | 531.4  | 531.5 | 531.7 | 531.9 | 532.1 | 532.3 | 532.5 | 532.7 | 532.9 | 533.1 |
| 150°   | 544.0 | 544.1  | 544.2 | 544.4 | 544.6 | 544.8 | 545.0 | 545.2 | 545.4 | 545.7 | 545.9 |
| 152.5° | 555.4 | 555.5  | 555.5 | 555.6 | 555.7 | 555.8 | 555.9 | 556.3 | 556.7 | 557.2 | 557.6 |
| 155°   | 565.6 | 565.5  | 565.5 | 565.6 | 565.7 | 565.8 | 565.9 | 566.4 | 566.9 | 567.4 | 567.9 |
| 157.5° | 575.5 | 575.5  | 575.4 | 575.3 | 575.2 | 575.1 | 575.0 | 575.6 | 576.2 | 576.8 | 577.4 |
| 160°   | 583.3 | 583.2  | 583.1 | 583.0 | 582.9 | 582.8 | 582.7 | 583.3 | 583.9 | 584.6 | 585.2 |
| 162.5° | 590.2 | 590.0  | 590.0 | 589.9 | 589.8 | 589.7 | 589.6 | 590.3 | 591.0 | 591.7 | 592.4 |
| 165°   | 596.1 | 595.9  | 595.9 | 595.8 | 595.7 | 595.6 | 595.5 | 596.3 | 597.1 | 597.9 | 598.7 |
| 167.5° | 600.7 | 600.5  | 600.5 | 600.5 | 600.5 | 600.5 | 600.5 | 601.3 | 602.1 | 602.9 | 603.7 |
| 170°   | 604.7 | 604.5  | 604.5 | 604.5 | 604.5 | 604.5 | 604.5 | 605.3 | 606.1 | 607.0 | 607.8 |
| 172.5° | 607.1 | 606.8  | 606.9 | 607.0 | 607.1 | 607.2 | 607.3 | 608.1 | 608.9 | 609.7 | 610.5 |
| 175°   | 609.4 | 609.1  | 609.1 | 609.2 | 609.3 | 609.4 | 609.5 | 610.2 | 610.9 | 611.6 | 612.3 |
| 177.5° | 610.3 | 610.0  | 610.1 | 610.2 | 610.3 | 610.4 | 610.5 | 611.3 | 612.1 | 612.9 | 613.7 |
| 180°   | 611.4 | 611.4  | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 |

TEST NUMBER: P1031498

CATALOG NUMBER: S123DIW-B1165D460UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 |
| 2.5°   | 1542.3 | 1543.9 | 1537.6 | 1532.9 | 1545.5 | 1537.6 | 1537.6 | 1539.2 | 1536.0 | 1540.8 | 1539.2 |
| 5°     | 1455.7 | 1457.3 | 1446.2 | 1449.4 | 1443.1 | 1441.5 | 1439.9 | 1449.4 | 1447.8 | 1446.2 | 1449.4 |
| 7.5°   | 1370.6 | 1370.6 | 1365.9 | 1362.7 | 1362.7 | 1358.0 | 1364.3 | 1362.7 | 1365.9 | 1365.9 | 1370.6 |
| 10°    | 1299.7 | 1302.9 | 1295.0 | 1287.1 | 1285.5 | 1287.1 | 1287.1 | 1288.7 | 1290.3 | 1301.3 | 1299.7 |
| 12.5°  | 1241.4 | 1236.7 | 1235.1 | 1230.4 | 1222.5 | 1219.4 | 1216.2 | 1233.5 | 1228.8 | 1228.8 | 1228.8 |
| 15°    | 1176.8 | 1187.9 | 1186.3 | 1172.1 | 1169.0 | 1175.3 | 1172.1 | 1172.1 | 1187.9 | 1186.3 | 1184.7 |
| 17.5°  | 1142.2 | 1139.0 | 1135.9 | 1128.0 | 1129.6 | 1128.0 | 1129.6 | 1129.6 | 1139.0 | 1139.0 | 1139.0 |
| 20°    | 1102.8 | 1096.5 | 1096.5 | 1093.3 | 1093.3 | 1088.6 | 1094.9 | 1096.5 | 1102.8 | 1102.8 | 1104.4 |
| 22.5°  | 1068.1 | 1063.4 | 1063.4 | 1061.8 | 1065.0 | 1058.7 | 1065.0 | 1066.6 | 1066.6 | 1071.3 | 1071.3 |
| 25°    | 1038.2 | 1035.0 | 1035.0 | 1038.2 | 1038.2 | 1038.2 | 1038.2 | 1044.5 | 1039.8 | 1041.3 | 1039.8 |
| 27.5°  | 1011.4 | 1013.0 | 1014.6 | 1016.1 | 1014.6 | 1016.1 | 1017.7 | 1020.9 | 1022.4 | 1020.9 | 1017.7 |
| 30°    | 986.2  | 990.9  | 992.5  | 992.5  | 995.7  | 997.2  | 998.8  | 998.8  | 1000.4 | 995.7  | 998.8  |
| 32.5°  | 967.3  | 967.3  | 970.5  | 972.0  | 975.2  | 976.8  | 976.8  | 979.9  | 978.3  | 973.6  | 975.2  |
| 35°    | 940.5  | 940.5  | 946.8  | 950.0  | 954.7  | 953.1  | 954.7  | 954.7  | 956.3  | 953.1  | 948.4  |
| 37.5°  | 913.7  | 916.9  | 916.9  | 923.2  | 924.8  | 926.3  | 924.8  | 927.9  | 926.3  | 923.2  | 921.6  |
| 40°    | 882.2  | 880.7  | 882.2  | 887.0  | 888.5  | 888.5  | 888.5  | 891.7  | 891.7  | 891.7  | 890.1  |
| 42.5°  | 842.8  | 847.6  | 846.0  | 850.7  | 849.1  | 849.1  | 852.3  | 855.4  | 857.0  | 852.3  | 853.9  |
| 45°    | 805.0  | 805.0  | 808.2  | 808.2  | 809.8  | 809.8  | 816.1  | 812.9  | 816.1  | 812.9  | 814.5  |
| 47.5°  | 764.1  | 765.6  | 765.6  | 767.2  | 770.4  | 773.5  | 770.4  | 772.0  | 772.0  | 773.5  | 770.4  |
| 50°    | 718.4  | 718.4  | 721.5  | 726.3  | 732.6  | 729.4  | 727.8  | 734.1  | 729.4  | 729.4  | 726.3  |
| 52.5°  | 671.1  | 675.9  | 677.4  | 682.2  | 686.9  | 688.5  | 690.0  | 686.9  | 688.5  | 683.7  | 685.3  |
| 55°    | 625.4  | 627.0  | 633.3  | 638.0  | 642.8  | 642.8  | 641.2  | 642.8  | 644.3  | 638.0  | 638.0  |
| 57.5°  | 579.8  | 584.5  | 590.8  | 590.8  | 597.1  | 597.1  | 595.5  | 595.5  | 597.1  | 592.4  | 590.8  |
| 60°    | 530.9  | 535.6  | 543.5  | 543.5  | 553.0  | 554.5  | 551.4  | 548.2  | 548.2  | 543.5  | 545.1  |
| 62.5°  | 478.9  | 483.7  | 488.4  | 496.3  | 502.6  | 499.4  | 505.7  | 499.4  | 501.0  | 491.5  | 491.5  |
| 65°    | 433.2  | 434.8  | 442.7  | 450.6  | 450.6  | 453.7  | 450.6  | 452.1  | 447.4  | 447.4  | 441.1  |
| 67.5°  | 379.7  | 379.7  | 387.6  | 395.4  | 403.3  | 403.3  | 403.3  | 398.6  | 398.6  | 393.9  | 393.9  |
| 70°    | 332.4  | 330.8  | 338.7  | 343.4  | 348.2  | 349.7  | 346.6  | 345.0  | 341.9  | 337.1  | 335.6  |
| 72.5°  | 274.1  | 277.3  | 285.1  | 288.3  | 296.2  | 294.6  | 302.5  | 293.0  | 293.0  | 285.1  | 283.6  |
| 75°    | 222.1  | 225.3  | 233.2  | 237.9  | 242.6  | 242.6  | 247.3  | 242.6  | 236.3  | 233.2  | 231.6  |
| 77.5°  | 176.4  | 174.9  | 181.2  | 189.0  | 190.6  | 189.0  | 192.2  | 190.6  | 184.3  | 184.3  | 181.2  |
| 80°    | 126.0  | 130.8  | 137.1  | 135.5  | 141.8  | 140.2  | 140.2  | 137.1  | 137.1  | 132.3  | 135.5  |
| 82.5°  | 83.5   | 88.2   | 89.8   | 88.2   | 89.8   | 92.9   | 94.5   | 92.9   | 92.9   | 89.8   | 91.4   |
| 85°    | 44.1   | 44.1   | 47.3   | 48.8   | 47.3   | 47.3   | 48.8   | 53.6   | 50.4   | 47.3   | 50.4   |
| 87.5°  | 14.2   | 12.6   | 12.6   | 14.2   | 12.6   | 12.6   | 14.2   | 14.2   | 15.8   | 15.8   | 15.8   |
| 90°    | 12.7   | 12.8   | 13.0   | 13.2   | 13.4   | 13.6   | 13.4   | 13.2   | 13.0   | 12.8   | 12.7   |
| 92.5°  | 15.0   | 15.0   | 15.1   | 15.2   | 15.3   | 15.4   | 15.3   | 15.2   | 15.1   | 15.0   | 15.0   |
| 95°    | 17.3   | 17.3   | 17.3   | 17.3   | 17.3   | 17.3   | 17.3   | 17.3   | 17.3   | 17.3   | 17.3   |
| 97.5°  | 18.2   | 18.2   | 18.3   | 18.4   | 18.5   | 18.6   | 18.5   | 18.4   | 18.3   | 18.2   | 18.2   |
| 100°   | 18.6   | 18.7   | 18.8   | 18.9   | 19.0   | 19.1   | 19.0   | 18.9   | 18.8   | 18.7   | 18.6   |
| 102.5° | 18.6   | 18.7   | 18.9   | 19.1   | 19.3   | 19.5   | 19.3   | 19.1   | 18.9   | 18.7   | 18.6   |
| 105°   | 19.1   | 19.2   | 19.4   | 19.6   | 19.8   | 20.0   | 19.8   | 19.6   | 19.4   | 19.2   | 19.1   |
| 107.5° | 106.7  | 100.1  | 86.9   | 73.6   | 60.4   | 47.2   | 60.4   | 73.6   | 86.9   | 100.1  | 106.7  |
| 110°   | 189.9  | 182.7  | 168.2  | 153.8  | 139.3  | 124.9  | 139.3  | 153.8  | 168.2  | 182.7  | 189.9  |

TEST NUMBER: P1031498

CATALOG NUMBER: S123DIW-B1165D460UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 237.5  | 237.4 | 237.2 | 237.0 | 236.8 | 236.6 | 236.8 | 237.0 | 237.2 | 237.4 | 237.5  |
| 115°   | 265.3  | 265.5 | 265.9 | 266.3 | 266.7 | 267.1 | 266.7 | 266.3 | 265.9 | 265.5 | 265.3  |
| 117.5° | 291.1  | 291.2 | 291.3 | 291.4 | 291.5 | 291.6 | 291.5 | 291.4 | 291.3 | 291.2 | 291.1  |
| 120°   | 317.0  | 317.0 | 317.0 | 317.0 | 317.0 | 317.0 | 317.0 | 317.0 | 317.0 | 317.0 | 317.0  |
| 122.5° | 341.6  | 341.6 | 341.7 | 341.8 | 341.9 | 342.0 | 341.9 | 341.8 | 341.7 | 341.6 | 341.6  |
| 125°   | 364.3  | 364.4 | 364.6 | 364.8 | 365.0 | 365.2 | 365.0 | 364.8 | 364.6 | 364.4 | 364.3  |
| 127.5° | 388.8  | 388.7 | 388.5 | 388.3 | 388.1 | 387.9 | 388.1 | 388.3 | 388.5 | 388.7 | 388.8  |
| 130°   | 410.6  | 410.5 | 410.3 | 410.1 | 409.9 | 409.7 | 409.9 | 410.1 | 410.3 | 410.5 | 410.6  |
| 132.5° | 431.0  | 430.9 | 430.6 | 430.3 | 430.0 | 429.7 | 430.0 | 430.3 | 430.6 | 430.9 | 431.0  |
| 135°   | 451.5  | 451.3 | 451.0 | 450.7 | 450.4 | 450.1 | 450.4 | 450.7 | 451.0 | 451.3 | 451.5  |
| 137.5° | 470.6  | 470.5 | 470.3 | 470.0 | 469.8 | 469.6 | 469.8 | 470.0 | 470.3 | 470.5 | 470.6  |
| 140°   | 487.8  | 487.7 | 487.5 | 487.3 | 487.1 | 486.9 | 487.1 | 487.3 | 487.5 | 487.7 | 487.8  |
| 142.5° | 504.2  | 504.0 | 503.7 | 503.4 | 503.1 | 502.8 | 503.1 | 503.4 | 503.7 | 504.0 | 504.2  |
| 145°   | 519.2  | 519.2 | 519.2 | 519.2 | 519.2 | 519.2 | 519.2 | 519.2 | 519.2 | 519.2 | 519.2  |
| 147.5° | 533.2  | 533.0 | 532.5 | 532.0 | 531.5 | 531.0 | 531.5 | 532.0 | 532.5 | 533.0 | 533.2  |
| 150°   | 546.0  | 545.8 | 545.5 | 545.2 | 544.9 | 544.6 | 544.9 | 545.2 | 545.5 | 545.8 | 546.0  |
| 152.5° | 557.8  | 557.5 | 557.0 | 556.5 | 556.0 | 555.5 | 556.0 | 556.5 | 557.0 | 557.5 | 557.8  |
| 155°   | 568.2  | 567.9 | 567.3 | 566.7 | 566.1 | 565.5 | 566.1 | 566.7 | 567.3 | 567.9 | 568.2  |
| 157.5° | 577.7  | 577.3 | 576.5 | 575.7 | 574.9 | 574.1 | 574.9 | 575.7 | 576.5 | 577.3 | 577.7  |
| 160°   | 585.5  | 585.1 | 584.4 | 583.7 | 583.0 | 582.3 | 583.0 | 583.7 | 584.4 | 585.1 | 585.5  |
| 162.5° | 592.7  | 592.4 | 591.8 | 591.2 | 590.6 | 590.0 | 590.6 | 591.2 | 591.8 | 592.4 | 592.7  |
| 165°   | 599.1  | 598.7 | 598.0 | 597.3 | 596.6 | 595.9 | 596.6 | 597.3 | 598.0 | 598.7 | 599.1  |
| 167.5° | 604.1  | 603.7 | 602.9 | 602.1 | 601.3 | 600.5 | 601.3 | 602.1 | 602.9 | 603.7 | 604.1  |
| 170°   | 608.2  | 607.8 | 607.0 | 606.1 | 605.3 | 604.5 | 605.3 | 606.1 | 607.0 | 607.8 | 608.2  |
| 172.5° | 610.9  | 610.4 | 609.5 | 608.6 | 607.7 | 606.8 | 607.7 | 608.6 | 609.5 | 610.4 | 610.9  |
| 175°   | 612.7  | 612.3 | 611.5 | 610.7 | 609.9 | 609.1 | 609.9 | 610.7 | 611.5 | 612.3 | 612.7  |
| 177.5° | 614.1  | 613.6 | 612.6 | 611.5 | 610.5 | 609.5 | 610.5 | 611.5 | 612.6 | 613.6 | 614.1  |
| 180°   | 611.4  | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4  |

TEST NUMBER: P1031498

CATALOG NUMBER: S123DIW-B1165D460UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 | 1625.8 |
| 2.5°   | 1543.9 | 1547.1 | 1548.6 | 1542.3 | 1537.6 | 1545.5 | 1556.5 | 1564.4 | 1570.7 | 1578.6 | 1583.3 |
| 5°     | 1452.5 | 1463.6 | 1463.6 | 1466.7 | 1471.4 | 1479.3 | 1499.8 | 1514.0 | 1526.6 | 1536.0 | 1543.9 |
| 7.5°   | 1375.3 | 1383.2 | 1387.9 | 1395.8 | 1403.7 | 1414.7 | 1438.4 | 1458.8 | 1477.7 | 1488.8 | 1501.4 |
| 10°    | 1306.0 | 1312.3 | 1320.2 | 1324.9 | 1339.1 | 1354.9 | 1384.8 | 1402.1 | 1424.2 | 1441.5 | 1457.3 |
| 12.5°  | 1239.8 | 1261.9 | 1266.6 | 1265.1 | 1277.7 | 1295.0 | 1324.9 | 1351.7 | 1375.3 | 1392.7 | 1410.0 |
| 15°    | 1192.6 | 1200.5 | 1209.9 | 1208.3 | 1235.1 | 1239.8 | 1265.1 | 1296.6 | 1328.1 | 1339.1 | 1354.9 |
| 17.5°  | 1140.6 | 1153.2 | 1162.7 | 1167.4 | 1175.3 | 1192.6 | 1216.2 | 1239.8 | 1280.8 | 1282.4 | 1323.3 |
| 20°    | 1099.6 | 1112.2 | 1118.5 | 1124.8 | 1129.6 | 1150.1 | 1170.5 | 1197.3 | 1230.4 | 1247.7 | 1269.8 |
| 22.5°  | 1072.9 | 1079.2 | 1083.9 | 1088.6 | 1094.9 | 1105.9 | 1131.1 | 1161.1 | 1183.1 | 1202.0 | 1216.2 |
| 25°    | 1041.3 | 1047.6 | 1054.0 | 1057.1 | 1061.8 | 1068.1 | 1087.0 | 1110.7 | 1142.2 | 1154.8 | 1169.0 |
| 27.5°  | 1019.3 | 1019.3 | 1022.4 | 1022.4 | 1028.7 | 1035.0 | 1049.2 | 1071.3 | 1096.5 | 1112.2 | 1131.1 |
| 30°    | 995.7  | 994.1  | 995.7  | 994.1  | 992.5  | 1002.0 | 1014.6 | 1033.5 | 1050.8 | 1069.7 | 1082.3 |
| 32.5°  | 972.0  | 970.5  | 970.5  | 972.0  | 965.7  | 970.5  | 976.8  | 994.1  | 1013.0 | 1022.4 | 1036.6 |
| 35°    | 946.8  | 943.7  | 943.7  | 943.7  | 940.5  | 937.4  | 943.7  | 959.4  | 972.0  | 984.6  | 995.7  |
| 37.5°  | 921.6  | 916.9  | 916.9  | 913.7  | 910.6  | 905.9  | 905.9  | 918.5  | 935.8  | 940.5  | 954.7  |
| 40°    | 887.0  | 887.0  | 883.8  | 882.2  | 879.1  | 875.9  | 871.2  | 882.2  | 898.0  | 902.7  | 913.7  |
| 42.5°  | 852.3  | 847.6  | 846.0  | 846.0  | 846.0  | 841.3  | 838.1  | 846.0  | 855.4  | 863.3  | 869.6  |
| 45°    | 812.9  | 809.8  | 811.3  | 809.8  | 806.6  | 805.0  | 803.5  | 806.6  | 817.6  | 820.8  | 828.7  |
| 47.5°  | 770.4  | 768.8  | 768.8  | 767.2  | 765.6  | 767.2  | 760.9  | 768.8  | 772.0  | 775.1  | 781.4  |
| 50°    | 726.3  | 724.7  | 723.1  | 721.5  | 721.5  | 723.1  | 721.5  | 721.5  | 727.8  | 731.0  | 737.3  |
| 52.5°  | 682.2  | 677.4  | 677.4  | 675.9  | 675.9  | 672.7  | 675.9  | 677.4  | 680.6  | 683.7  | 686.9  |
| 55°    | 634.9  | 634.9  | 630.2  | 630.2  | 627.0  | 627.0  | 628.6  | 627.0  | 633.3  | 636.5  | 636.5  |
| 57.5°  | 589.2  | 582.9  | 584.5  | 581.3  | 578.2  | 576.6  | 576.6  | 579.8  | 582.9  | 582.9  | 586.1  |
| 60°    | 540.4  | 534.1  | 532.5  | 526.2  | 529.3  | 524.6  | 526.2  | 526.2  | 532.5  | 529.3  | 532.5  |
| 62.5°  | 491.5  | 483.7  | 478.9  | 475.8  | 475.8  | 477.3  | 474.2  | 472.6  | 475.8  | 478.9  | 485.2  |
| 65°    | 439.5  | 434.8  | 430.1  | 425.4  | 425.4  | 423.8  | 426.9  | 422.2  | 420.6  | 422.2  | 425.4  |
| 67.5°  | 386.0  | 381.2  | 376.5  | 371.8  | 373.4  | 368.6  | 365.5  | 370.2  | 367.1  | 368.6  | 371.8  |
| 70°    | 334.0  | 330.8  | 321.4  | 318.2  | 316.7  | 318.2  | 316.7  | 313.5  | 318.2  | 316.7  | 318.2  |
| 72.5°  | 282.0  | 278.8  | 274.1  | 266.2  | 266.2  | 264.7  | 263.1  | 263.1  | 261.5  | 261.5  | 261.5  |
| 75°    | 231.6  | 225.3  | 220.6  | 219.0  | 215.8  | 214.3  | 212.7  | 209.5  | 211.1  | 212.7  | 209.5  |
| 77.5°  | 179.6  | 171.7  | 170.1  | 170.1  | 165.4  | 165.4  | 167.0  | 165.4  | 163.8  | 163.8  | 163.8  |
| 80°    | 132.3  | 126.0  | 126.0  | 122.9  | 119.7  | 119.7  | 119.7  | 119.7  | 118.2  | 116.6  | 118.2  |
| 82.5°  | 85.1   | 83.5   | 81.9   | 81.9   | 85.1   | 78.8   | 81.9   | 80.3   | 78.8   | 78.8   | 77.2   |
| 85°    | 47.3   | 48.8   | 47.3   | 48.8   | 45.7   | 47.3   | 47.3   | 47.3   | 45.7   | 47.3   | 44.1   |
| 87.5°  | 17.3   | 17.3   | 17.3   | 18.9   | 18.9   | 18.9   | 18.9   | 18.9   | 20.5   | 18.9   | 18.9   |
| 90°    | 12.5   | 12.1   | 11.7   | 11.3   | 10.9   | 9.6    | 8.3    | 7.0    | 5.7    | 5.0    | 4.5    |
| 92.5°  | 14.6   | 13.9   | 13.2   | 12.5   | 11.8   | 10.9   | 10.0   | 9.1    | 8.2    | 7.7    | 8.0    |
| 95°    | 16.9   | 16.2   | 15.5   | 14.8   | 14.1   | 13.0   | 11.9   | 10.8   | 9.7    | 9.1    | 11.2   |
| 97.5°  | 17.8   | 17.0   | 16.1   | 15.3   | 14.5   | 19.7   | 24.8   | 30.0   | 35.1   | 37.7   | 39.1   |
| 100°   | 18.2   | 17.4   | 16.6   | 15.8   | 15.0   | 30.7   | 46.5   | 62.2   | 77.9   | 85.8   | 84.8   |
| 102.5° | 20.3   | 23.6   | 26.9   | 30.3   | 33.6   | 51.2   | 68.7   | 86.3   | 103.8  | 112.6  | 111.9  |
| 105°   | 28.0   | 45.9   | 63.8   | 81.6   | 99.5   | 108.6  | 117.6  | 126.7  | 135.8  | 140.3  | 139.8  |
| 107.5° | 114.5  | 130.0  | 145.6  | 161.1  | 176.7  | 175.2  | 173.7  | 172.2  | 170.7  | 169.9  | 169.4  |
| 110°   | 191.6  | 194.9  | 198.2  | 201.5  | 204.8  | 203.7  | 202.6  | 201.5  | 200.4  | 199.8  | 199.4  |

TEST NUMBER: P1031498

CATALOG NUMBER: S123DIW-B1165D460UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 237.1 | 236.2 | 235.3 | 234.4 | 233.5 | 232.4 | 231.3 | 230.2 | 229.1 | 228.5  | 228.1 |
| 115°   | 264.8 | 263.8 | 262.7 | 261.7 | 260.7 | 259.8 | 258.9 | 258.0 | 257.1 | 256.6  | 256.3 |
| 117.5° | 290.7 | 289.9 | 289.1 | 288.3 | 287.5 | 287.0 | 286.5 | 286.0 | 285.5 | 285.2  | 284.9 |
| 120°   | 316.6 | 315.8 | 315.0 | 314.2 | 313.4 | 313.1 | 312.8 | 312.5 | 312.2 | 312.0  | 311.6 |
| 122.5° | 341.3 | 340.8 | 340.3 | 339.8 | 339.3 | 338.9 | 338.5 | 338.1 | 337.7 | 337.5  | 337.1 |
| 125°   | 364.2 | 364.0 | 363.8 | 363.6 | 363.4 | 363.0 | 362.6 | 362.1 | 361.7 | 361.5  | 361.1 |
| 127.5° | 388.6 | 388.3 | 388.0 | 387.7 | 387.4 | 386.9 | 386.4 | 385.9 | 385.4 | 385.2  | 384.8 |
| 130°   | 410.4 | 410.0 | 409.6 | 409.2 | 408.8 | 408.4 | 408.0 | 407.6 | 407.2 | 407.0  | 406.6 |
| 132.5° | 430.8 | 430.4 | 430.0 | 429.6 | 429.2 | 428.9 | 428.6 | 428.3 | 428.0 | 427.9  | 427.5 |
| 135°   | 451.3 | 451.0 | 450.7 | 450.4 | 450.1 | 449.7 | 449.3 | 448.9 | 448.5 | 448.3  | 448.0 |
| 137.5° | 470.3 | 469.8 | 469.3 | 468.8 | 468.3 | 468.1 | 467.9 | 467.7 | 467.5 | 467.4  | 467.0 |
| 140°   | 487.6 | 487.2 | 486.8 | 486.4 | 486.0 | 485.7 | 485.4 | 485.1 | 484.8 | 484.6  | 484.3 |
| 142.5° | 504.0 | 503.7 | 503.4 | 503.1 | 502.8 | 502.5 | 502.2 | 501.9 | 501.6 | 501.4  | 501.1 |
| 145°   | 519.1 | 518.9 | 518.6 | 518.4 | 518.2 | 518.0 | 517.8 | 517.6 | 517.4 | 517.3  | 517.0 |
| 147.5° | 533.1 | 532.9 | 532.7 | 532.5 | 532.3 | 532.1 | 531.9 | 531.7 | 531.5 | 531.4  | 531.1 |
| 150°   | 545.9 | 545.7 | 545.4 | 545.2 | 545.0 | 544.8 | 544.6 | 544.4 | 544.2 | 544.1  | 544.0 |
| 152.5° | 557.6 | 557.2 | 556.7 | 556.3 | 555.9 | 555.8 | 555.7 | 555.6 | 555.5 | 555.5  | 555.4 |
| 155°   | 567.9 | 567.4 | 566.9 | 566.4 | 565.9 | 565.8 | 565.7 | 565.6 | 565.5 | 565.5  | 565.6 |
| 157.5° | 577.4 | 576.8 | 576.2 | 575.6 | 575.0 | 575.1 | 575.2 | 575.3 | 575.4 | 575.5  | 575.5 |
| 160°   | 585.2 | 584.6 | 583.9 | 583.3 | 582.7 | 582.8 | 582.9 | 583.0 | 583.1 | 583.2  | 583.3 |
| 162.5° | 592.4 | 591.7 | 591.0 | 590.3 | 589.6 | 589.7 | 589.8 | 589.9 | 590.0 | 590.0  | 590.2 |
| 165°   | 598.7 | 597.9 | 597.1 | 596.3 | 595.5 | 595.6 | 595.7 | 595.8 | 595.9 | 595.9  | 596.1 |
| 167.5° | 603.7 | 602.9 | 602.1 | 601.3 | 600.5 | 600.5 | 600.5 | 600.5 | 600.5 | 600.5  | 600.7 |
| 170°   | 607.8 | 607.0 | 606.1 | 605.3 | 604.5 | 604.5 | 604.5 | 604.5 | 604.5 | 604.5  | 604.7 |
| 172.5° | 610.5 | 609.7 | 608.9 | 608.1 | 607.3 | 607.2 | 607.1 | 607.0 | 606.9 | 606.8  | 607.1 |
| 175°   | 612.3 | 611.6 | 610.9 | 610.2 | 609.5 | 609.4 | 609.3 | 609.2 | 609.1 | 609.1  | 609.4 |
| 177.5° | 613.7 | 612.9 | 612.1 | 611.3 | 610.5 | 610.4 | 610.3 | 610.2 | 610.1 | 610.0  | 610.3 |
| 180°   | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4 | 611.4  | 611.4 |

TEST NUMBER: P1031498

CATALOG NUMBER: S123DIW-B1165D460UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1625.8 | 1625.8 | 1625.8 | 1625.8 |
| 2.5°   | 1591.2 | 1595.9 | 1611.6 | 1630.6 |
| 5°     | 1559.7 | 1572.3 | 1594.3 | 1624.2 |
| 7.5°   | 1525.0 | 1543.9 | 1575.4 | 1613.2 |
| 10°    | 1485.6 | 1512.4 | 1551.8 | 1599.0 |
| 12.5°  | 1443.1 | 1477.7 | 1528.1 | 1577.0 |
| 15°    | 1416.3 | 1451.0 | 1496.6 | 1550.2 |
| 17.5°  | 1364.3 | 1405.3 | 1452.5 | 1528.1 |
| 20°    | 1310.7 | 1356.4 | 1417.9 | 1493.5 |
| 22.5°  | 1269.8 | 1318.6 | 1376.9 | 1457.3 |
| 25°    | 1220.9 | 1271.4 | 1334.4 | 1417.9 |
| 27.5°  | 1169.0 | 1219.4 | 1290.3 | 1378.5 |
| 30°    | 1129.6 | 1178.4 | 1246.2 | 1340.7 |
| 32.5°  | 1082.3 | 1129.6 | 1200.5 | 1299.7 |
| 35°    | 1028.7 | 1082.3 | 1150.1 | 1250.9 |
| 37.5°  | 987.8  | 1036.6 | 1107.5 | 1203.6 |
| 40°    | 943.7  | 986.2  | 1055.5 | 1150.1 |
| 42.5°  | 896.4  | 943.7  | 1003.5 | 1098.1 |
| 45°    | 852.3  | 887.0  | 948.4  | 1038.2 |
| 47.5°  | 805.0  | 844.4  | 891.7  | 961.0  |
| 50°    | 754.6  | 787.7  | 839.7  | 887.0  |
| 52.5°  | 705.8  | 732.6  | 776.7  | 812.9  |
| 55°    | 653.8  | 680.6  | 713.7  | 735.7  |
| 57.5°  | 605.0  | 623.9  | 645.9  | 660.1  |
| 60°    | 545.1  | 564.0  | 578.2  | 592.4  |
| 62.5°  | 491.5  | 505.7  | 513.6  | 521.5  |
| 65°    | 436.4  | 444.3  | 449.0  | 455.3  |
| 67.5°  | 376.5  | 384.4  | 386.0  | 395.4  |
| 70°    | 321.4  | 323.0  | 326.1  | 330.8  |
| 72.5°  | 269.4  | 272.5  | 271.0  | 274.1  |
| 75°    | 215.8  | 219.0  | 215.8  | 219.0  |
| 77.5°  | 163.8  | 167.0  | 167.0  | 171.7  |
| 80°    | 118.2  | 119.7  | 121.3  | 121.3  |
| 82.5°  | 77.2   | 81.9   | 78.8   | 80.3   |
| 85°    | 44.1   | 45.7   | 45.7   | 47.3   |
| 87.5°  | 20.5   | 22.1   | 20.5   | 23.6   |
| 90°    | 3.5    | 2.5    | 1.5    | 0.5    |
| 92.5°  | 8.6    | 9.2    | 9.8    | 10.4   |
| 95°    | 15.3   | 19.4   | 23.6   | 27.7   |
| 97.5°  | 41.9   | 44.8   | 47.6   | 50.4   |
| 100°   | 82.8   | 80.8   | 78.8   | 76.8   |
| 102.5° | 110.6  | 109.3  | 108.0  | 106.7  |
| 105°   | 138.7  | 137.6  | 136.5  | 135.4  |
| 107.5° | 168.5  | 167.6  | 166.7  | 165.8  |
| 110°   | 198.6  | 197.8  | 197.0  | 196.2  |

TEST NUMBER: P1031498

CATALOG NUMBER: S123DIW-B1165D460UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 227.4 | 226.7 | 226.0 | 225.3 |
| 115°   | 255.7 | 255.1 | 254.5 | 253.9 |
| 117.5° | 284.2 | 283.5 | 282.8 | 282.1 |
| 120°   | 310.7 | 309.8 | 308.9 | 308.0 |
| 122.5° | 336.4 | 335.7 | 335.0 | 334.3 |
| 125°   | 360.3 | 359.5 | 358.7 | 357.9 |
| 127.5° | 384.0 | 383.1 | 382.3 | 381.5 |
| 130°   | 405.8 | 404.9 | 404.1 | 403.3 |
| 132.5° | 426.7 | 425.8 | 425.0 | 424.2 |
| 135°   | 447.4 | 446.8 | 446.2 | 445.6 |
| 137.5° | 466.2 | 465.3 | 464.5 | 463.7 |
| 140°   | 483.7 | 483.1 | 482.5 | 481.9 |
| 142.5° | 500.5 | 499.9 | 499.3 | 498.7 |
| 145°   | 516.3 | 515.6 | 514.9 | 514.2 |
| 147.5° | 530.6 | 530.1 | 529.6 | 529.1 |
| 150°   | 543.7 | 543.4 | 543.1 | 542.8 |
| 152.5° | 555.3 | 555.2 | 555.1 | 555.0 |
| 155°   | 565.8 | 566.0 | 566.2 | 566.4 |
| 157.5° | 575.5 | 575.5 | 575.5 | 575.5 |
| 160°   | 583.4 | 583.5 | 583.6 | 583.7 |
| 162.5° | 590.5 | 590.8 | 591.1 | 591.4 |
| 165°   | 596.4 | 596.7 | 597.0 | 597.3 |
| 167.5° | 601.1 | 601.5 | 601.9 | 602.3 |
| 170°   | 605.1 | 605.6 | 606.0 | 606.4 |
| 172.5° | 607.6 | 608.1 | 608.6 | 609.1 |
| 175°   | 609.9 | 610.4 | 610.9 | 611.4 |
| 177.5° | 610.8 | 611.3 | 611.8 | 612.3 |
| 180°   | 611.4 | 611.4 | 611.4 | 611.4 |

(END OF REPORT)