

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P331937-840

Luminaire Tested: **S123DIP-S560D1025U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331937-840  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123DIP-S560D1025U840-4F0-1E-UDD-A  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1025 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6550.7 lumens  
Efficiency: N/A  
Efficacy: 147.2 lumens/watt  
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: Semi-Indirect

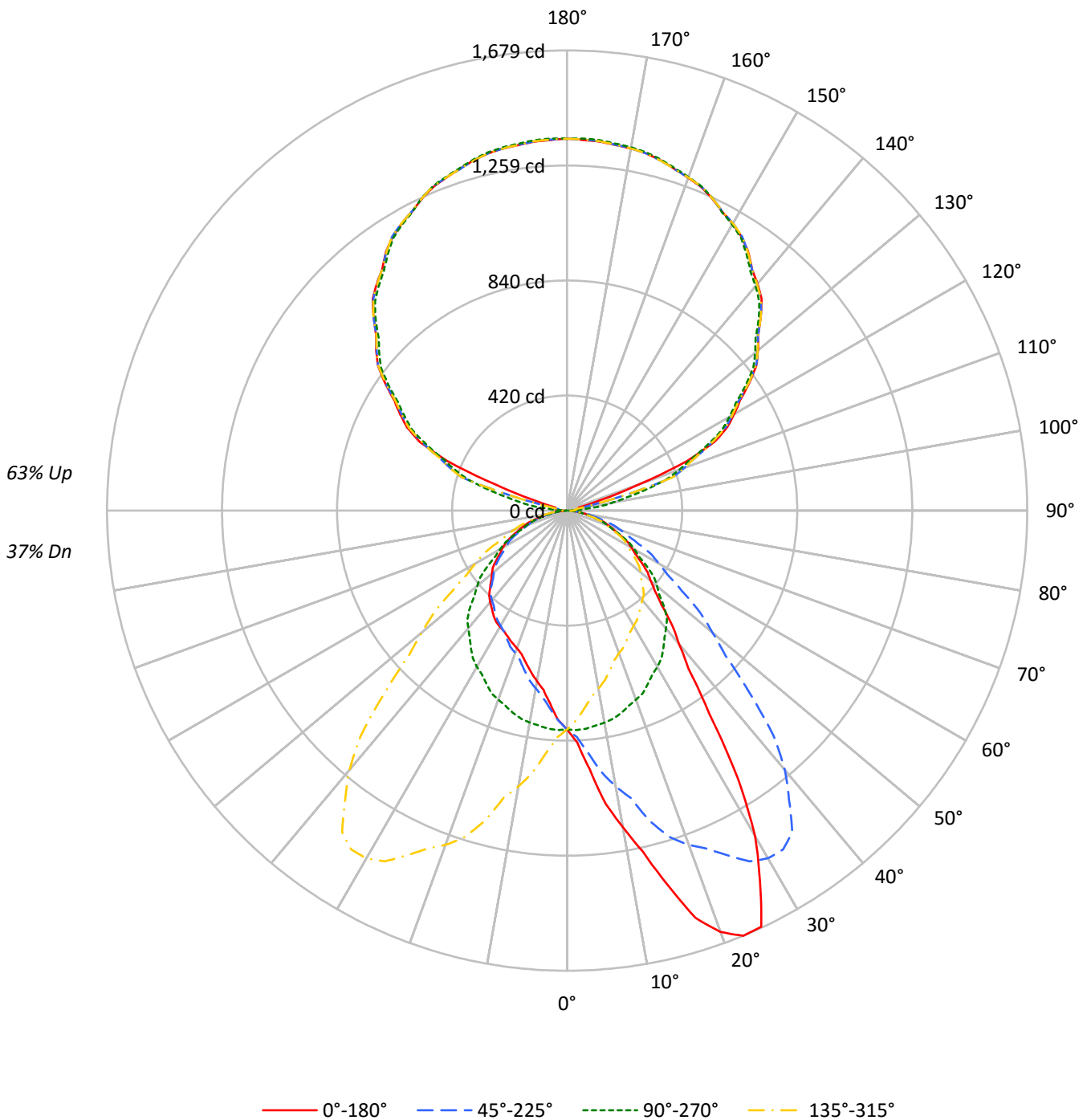
Input Watts (W): 44.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P331937-840

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### Luminous Intensity Polar Plot





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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    | 20 |    |
| RC  | 80  |     |     |     | 70 |    |    |    | 50 |    |    |    | 30 |    |    |    | 10 | 0  |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0  |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 94 | 76 | 76 | 76 | 59 | 59 | 59 | 44 | 44 | 44 | 37 |
| 1   | 95  | 91  | 87  | 84  | 86 | 83 | 79 | 77 | 67 | 65 | 63 | 52 | 51 | 50 | 39 | 38 | 38 | 31 |
| 2   | 87  | 80  | 74  | 69  | 78 | 72 | 67 | 63 | 59 | 55 | 52 | 46 | 44 | 42 | 35 | 33 | 32 | 27 |
| 3   | 79  | 70  | 63  | 57  | 71 | 64 | 58 | 53 | 52 | 48 | 44 | 41 | 38 | 36 | 31 | 29 | 27 | 23 |
| 4   | 72  | 62  | 54  | 49  | 65 | 57 | 50 | 45 | 46 | 41 | 38 | 37 | 33 | 31 | 28 | 25 | 24 | 20 |
| 5   | 66  | 55  | 47  | 42  | 60 | 50 | 44 | 38 | 41 | 36 | 32 | 33 | 29 | 26 | 25 | 23 | 21 | 17 |
| 6   | 61  | 49  | 42  | 36  | 55 | 45 | 38 | 33 | 37 | 32 | 28 | 30 | 26 | 23 | 23 | 20 | 18 | 15 |
| 7   | 56  | 45  | 37  | 31  | 51 | 41 | 34 | 29 | 34 | 29 | 25 | 27 | 23 | 20 | 21 | 18 | 16 | 13 |
| 8   | 52  | 40  | 33  | 28  | 47 | 37 | 30 | 26 | 31 | 26 | 22 | 25 | 21 | 18 | 19 | 16 | 14 | 12 |
| 9   | 49  | 37  | 30  | 25  | 44 | 34 | 27 | 23 | 28 | 23 | 20 | 23 | 19 | 16 | 18 | 15 | 13 | 11 |
| 10  | 45  | 34  | 27  | 22  | 41 | 31 | 25 | 20 | 26 | 21 | 18 | 21 | 17 | 15 | 16 | 14 | 12 | 10 |

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

|     | 0°    | 90°  | 180° | 270° |
|-----|-------|------|------|------|
| 0°  | 8593  | 8593 | 8593 | 8593 |
| 5°  | 10247 | 8630 | 7648 | 8630 |
| 10° | 12826 | 8587 | 6908 | 8587 |
| 15° | 15731 | 8517 | 6430 | 8517 |
| 20° | 18741 | 8409 | 6123 | 8409 |
| 25° | 19899 | 8278 | 6055 | 8278 |
| 30° | 17056 | 8182 | 6087 | 8182 |
| 35° | 11862 | 8046 | 6150 | 8046 |
| 40° | 8934  | 7886 | 6131 | 7886 |
| 45° | 7419  | 7648 | 6052 | 7648 |
| 50° | 6646  | 7164 | 5998 | 7164 |
| 55° | 6212  | 6641 | 5923 | 6641 |
| 60° | 5828  | 6097 | 5862 | 6097 |
| 65° | 5476  | 5555 | 5675 | 5555 |
| 70° | 5136  | 4941 | 5404 | 4941 |
| 75° | 4600  | 4325 | 4957 | 4325 |
| 80° | 4023  | 3552 | 4271 | 3552 |
| 85° | 3149  | 2581 | 2865 | 2581 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 78.6   | 1.2       |
| 10°-20°   | 252.2  | 3.8       |
| 20°-30°   | 423.2  | 6.5       |
| 30°-40°   | 479.2  | 7.3       |
| 40°-50°   | 429.7  | 6.6       |
| 50°-60°   | 346.8  | 5.3       |
| 60°-70°   | 241.7  | 3.7       |
| 70°-80°   | 127.0  | 1.9       |
| 80°-90°   | 34.9   | 0.5       |
| 90°-100°  | 49.3   | 0.8       |
| 100°-110° | 235.1  | 3.6       |
| 110°-120° | 564.7  | 8.6       |
| 120°-130° | 719.1  | 11.0      |
| 130°-140° | 768.3  | 11.7      |
| 140°-150° | 718.5  | 11.0      |
| 150°-160° | 579.5  | 8.8       |
| 160°-170° | 374.0  | 5.7       |
| 170°-180° | 128.9  | 2.0       |
| 0°-30°    | 754.0  | 11.5      |
| 0°-40°    | 1233.2 | 18.8      |
| 0°-60°    | 2009.7 | 30.7      |
| 0°-90°    | 2413.2 | 36.8      |
| 90°-120°  | 849.1  | 13.0      |
| 90°-150°  | 3055.0 | 46.6      |
| 90°-180°  | 4137.0 | 63.2      |
| 0°-180°   | 6550.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 798  | 798  | 798  | 798  | 798  |      |
| 5°   | 948  | 799  | 708  | 799  | 948  | 98   |
| 15°  | 1412 | 764  | 577  | 764  | 1412 | 408  |
| 25°  | 1676 | 697  | 510  | 697  | 1676 | 735  |
| 35°  | 903  | 612  | 468  | 612  | 903  | 586  |
| 45°  | 487  | 502  | 398  | 502  | 487  | 386  |
| 55°  | 331  | 354  | 316  | 354  | 331  | 297  |
| 65°  | 215  | 218  | 223  | 218  | 215  | 214  |
| 75°  | 111  | 104  | 119  | 104  | 111  | 118  |
| 85°  | 26   | 21   | 23   | 21   | 26   | 31   |
| 90°  | 30   | 1    | 30   | 1    | 30   | 15   |
| 95°  | 38   | 62   | 38   | 62   | 38   | 32   |
| 105° | 44   | 300  | 44   | 300  | 44   | 101  |
| 115° | 593  | 564  | 593  | 564  | 593  | 548  |
| 125° | 810  | 794  | 810  | 794  | 810  | 724  |
| 135° | 999  | 989  | 999  | 989  | 999  | 770  |
| 145° | 1152 | 1141 | 1152 | 1141 | 1152 | 719  |
| 155° | 1255 | 1257 | 1255 | 1257 | 1255 | 579  |
| 165° | 1322 | 1326 | 1322 | 1326 | 1322 | 373  |
| 175° | 1352 | 1357 | 1352 | 1357 | 1352 | 129  |
| 180° | 1357 | 1357 | 1357 | 1357 | 1357 |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 798.3  | 798.3  | 798.3  | 798.3  | 798.3  | 798.3  | 798.3  | 798.3  | 798.3  | 798.3  | 798.3  |
| 2.5°   | 847.2  | 846.6  | 845.1  | 846.3  | 843.7  | 840.4  | 840.1  | 837.0  | 828.0  | 827.4  | 825.0  |
| 5°     | 948.4  | 945.2  | 944.9  | 944.5  | 939.1  | 931.7  | 917.8  | 916.7  | 898.1  | 888.8  | 877.6  |
| 7.5°   | 1079.4 | 1081.1 | 1075.4 | 1070.5 | 1053.9 | 1043.0 | 1028.0 | 1009.0 | 986.1  | 963.0  | 947.6  |
| 10°    | 1173.5 | 1186.2 | 1170.3 | 1159.5 | 1149.5 | 1130.5 | 1108.5 | 1081.1 | 1053.6 | 1021.5 | 997.1  |
| 12.5°  | 1274.3 | 1280.6 | 1277.5 | 1267.2 | 1251.6 | 1222.7 | 1183.7 | 1153.5 | 1128.1 | 1074.7 | 1053.1 |
| 15°    | 1411.7 | 1435.3 | 1420.3 | 1385.4 | 1386.2 | 1358.8 | 1307.7 | 1251.6 | 1221.8 | 1175.0 | 1111.2 |
| 17.5°  | 1558.1 | 1561.0 | 1554.6 | 1525.6 | 1506.2 | 1468.5 | 1421.4 | 1367.7 | 1307.3 | 1250.7 | 1183.0 |
| 20°    | 1636.1 | 1633.8 | 1620.2 | 1605.1 | 1571.9 | 1542.5 | 1491.0 | 1431.1 | 1353.7 | 1298.0 | 1224.2 |
| 22.5°  | 1679.4 | 1675.5 | 1669.1 | 1656.5 | 1628.8 | 1597.2 | 1551.1 | 1485.5 | 1411.9 | 1335.1 | 1249.8 |
| 25°    | 1675.5 | 1680.5 | 1681.3 | 1677.8 | 1668.2 | 1649.2 | 1612.9 | 1560.6 | 1487.1 | 1388.6 | 1299.6 |
| 27.5°  | 1523.9 | 1531.0 | 1551.7 | 1570.0 | 1590.5 | 1611.3 | 1608.6 | 1582.7 | 1528.3 | 1443.1 | 1334.3 |
| 30°    | 1372.3 | 1356.8 | 1395.1 | 1443.4 | 1476.3 | 1534.3 | 1566.8 | 1568.7 | 1538.2 | 1465.1 | 1359.1 |
| 32.5°  | 1161.8 | 1178.9 | 1195.8 | 1255.3 | 1327.2 | 1392.3 | 1456.9 | 1509.0 | 1515.0 | 1466.3 | 1373.6 |
| 35°    | 902.7  | 924.0  | 954.9  | 985.9  | 1063.3 | 1129.7 | 1243.4 | 1342.5 | 1421.4 | 1431.8 | 1374.9 |
| 37.5°  | 727.4  | 738.0  | 757.5  | 788.5  | 839.1  | 918.1  | 1006.0 | 1131.1 | 1245.5 | 1330.5 | 1334.2 |
| 40°    | 635.8  | 638.9  | 661.0  | 684.6  | 725.6  | 790.5  | 869.9  | 980.5  | 1117.4 | 1236.2 | 1285.7 |
| 42.5°  | 567.1  | 574.0  | 583.3  | 606.0  | 638.6  | 687.5  | 761.2  | 852.7  | 978.2  | 1114.8 | 1211.6 |
| 45°    | 487.4  | 495.0  | 500.9  | 515.9  | 539.2  | 572.0  | 623.5  | 707.0  | 802.5  | 943.7  | 1074.1 |
| 47.5°  | 434.5  | 435.2  | 439.5  | 450.9  | 466.7  | 491.4  | 527.8  | 581.4  | 669.1  | 783.6  | 917.5  |
| 50°    | 396.9  | 403.0  | 404.6  | 413.4  | 425.9  | 444.0  | 474.2  | 519.8  | 591.8  | 692.4  | 815.4  |
| 52.5°  | 370.2  | 372.0  | 376.4  | 382.8  | 393.6  | 407.8  | 433.9  | 469.7  | 526.1  | 611.9  | 725.0  |
| 55°    | 331.0  | 331.0  | 335.4  | 340.3  | 346.6  | 359.3  | 376.7  | 403.0  | 446.0  | 512.5  | 606.1  |
| 57.5°  | 294.9  | 296.8  | 299.8  | 301.3  | 306.6  | 315.1  | 329.6  | 349.6  | 381.6  | 432.8  | 507.3  |
| 60°    | 270.7  | 274.2  | 273.9  | 276.9  | 281.6  | 288.1  | 300.5  | 316.8  | 345.4  | 386.4  | 449.1  |
| 62.5°  | 249.7  | 249.4  | 249.4  | 253.1  | 257.7  | 264.0  | 272.1  | 286.1  | 310.4  | 346.8  | 400.1  |
| 65°    | 215.0  | 214.3  | 217.0  | 219.3  | 220.9  | 225.5  | 231.7  | 244.1  | 260.3  | 287.4  | 328.7  |
| 67.5°  | 184.3  | 182.0  | 183.5  | 184.3  | 186.9  | 190.6  | 196.3  | 204.0  | 216.9  | 238.6  | 269.8  |
| 70°    | 163.2  | 161.3  | 160.9  | 161.7  | 164.0  | 166.7  | 171.0  | 178.3  | 190.3  | 207.7  | 230.6  |
| 72.5°  | 141.6  | 140.3  | 140.2  | 141.9  | 143.0  | 144.7  | 147.7  | 154.5  | 164.0  | 177.0  | 198.3  |
| 75°    | 110.6  | 110.6  | 110.6  | 111.0  | 112.2  | 113.7  | 116.0  | 119.5  | 126.8  | 136.1  | 150.5  |
| 77.5°  | 82.9   | 82.8   | 82.4   | 82.3   | 84.0   | 84.7   | 85.2   | 88.5   | 92.6   | 98.9   | 109.3  |
| 80°    | 64.9   | 63.0   | 63.8   | 64.9   | 65.7   | 66.1   | 67.3   | 68.1   | 71.6   | 75.0   | 82.4   |
| 82.5°  | 48.3   | 46.7   | 46.8   | 48.6   | 48.8   | 49.1   | 50.3   | 51.4   | 52.7   | 55.8   | 59.8   |
| 85°    | 25.5   | 25.5   | 26.0   | 26.0   | 26.3   | 26.0   | 27.1   | 27.5   | 27.5   | 29.4   | 31.7   |
| 87.5°  | 15.3   | 14.6   | 14.8   | 15.0   | 14.6   | 14.8   | 14.9   | 15.1   | 15.2   | 15.3   | 15.0   |
| 90°    | 30.2   | 29.8   | 29.4   | 28.9   | 28.5   | 27.8   | 26.9   | 26.0   | 25.0   | 24.2   | 21.3   |
| 92.5°  | 33.4   | 33.2   | 32.9   | 32.6   | 32.4   | 31.5   | 30.1   | 28.7   | 27.3   | 25.9   | 23.6   |
| 95°    | 38.3   | 38.3   | 38.3   | 38.3   | 38.3   | 37.6   | 36.0   | 34.3   | 32.8   | 31.2   | 28.8   |
| 97.5°  | 41.5   | 41.3   | 41.1   | 40.9   | 40.6   | 39.6   | 37.9   | 36.1   | 34.2   | 32.4   | 48.6   |
| 100°   | 42.3   | 42.1   | 41.9   | 41.7   | 41.4   | 40.4   | 38.7   | 36.9   | 35.0   | 33.2   | 68.2   |
| 102.5° | 43.1   | 42.7   | 42.3   | 41.9   | 41.5   | 44.1   | 49.7   | 55.2   | 60.8   | 66.3   | 104.5  |
| 105°   | 44.3   | 43.9   | 43.4   | 43.0   | 42.5   | 62.2   | 101.8  | 141.5  | 181.1  | 220.8  | 241.0  |
| 107.5° | 139.3  | 169.2  | 199.0  | 228.9  | 258.8  | 288.3  | 317.4  | 346.5  | 375.6  | 404.7  | 401.4  |
| 110°   | 277.2  | 309.2  | 341.2  | 373.2  | 405.4  | 425.1  | 432.4  | 439.8  | 447.2  | 454.6  | 452.1  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 475.5  | 482.3  | 489.1  | 495.8  | 502.6  | 505.9  | 505.8  | 505.6  | 505.5  | 505.4  | 502.9  |
| 115°   | 592.7  | 591.8  | 590.9  | 590.0  | 589.2  | 587.5  | 585.3  | 583.1  | 580.9  | 578.6  | 576.5  |
| 117.5° | 658.4  | 658.2  | 658.0  | 657.9  | 657.7  | 656.7  | 654.9  | 653.2  | 651.4  | 649.5  | 648.5  |
| 120°   | 703.6  | 703.6  | 703.6  | 703.6  | 703.6  | 702.7  | 700.8  | 699.1  | 697.3  | 695.5  | 694.9  |
| 122.5° | 747.9  | 747.7  | 747.6  | 747.4  | 747.2  | 746.5  | 745.3  | 744.0  | 742.8  | 741.4  | 740.6  |
| 125°   | 810.4  | 810.0  | 809.5  | 809.1  | 808.6  | 808.2  | 807.7  | 807.3  | 806.9  | 806.4  | 805.5  |
| 127.5° | 870.5  | 870.9  | 871.4  | 871.8  | 872.3  | 872.1  | 871.4  | 870.7  | 870.0  | 869.3  | 868.2  |
| 130°   | 909.2  | 909.7  | 910.1  | 910.6  | 911.0  | 910.8  | 909.9  | 909.0  | 908.1  | 907.2  | 906.3  |
| 132.5° | 944.7  | 945.3  | 945.9  | 946.5  | 947.2  | 947.1  | 946.1  | 945.2  | 944.4  | 943.5  | 942.8  |
| 135°   | 999.0  | 999.6  | 1000.3 | 1001.0 | 1001.6 | 1001.6 | 1001.0 | 1000.3 | 999.6  | 999.0  | 998.0  |
| 137.5° | 1050.0 | 1050.4 | 1050.9 | 1051.3 | 1051.7 | 1051.4 | 1050.4 | 1049.2 | 1048.1 | 1047.1 | 1046.6 |
| 140°   | 1080.6 | 1081.1 | 1081.5 | 1081.9 | 1082.4 | 1082.2 | 1081.3 | 1080.4 | 1079.4 | 1078.5 | 1077.9 |
| 142.5° | 1108.8 | 1109.4 | 1110.0 | 1110.6 | 1111.3 | 1111.3 | 1110.5 | 1109.8 | 1109.1 | 1108.4 | 1107.7 |
| 145°   | 1152.2 | 1152.2 | 1152.2 | 1152.2 | 1152.2 | 1152.0 | 1151.4 | 1151.0 | 1150.5 | 1150.1 | 1149.6 |
| 147.5° | 1184.4 | 1185.4 | 1186.5 | 1187.5 | 1188.5 | 1188.8 | 1188.3 | 1187.9 | 1187.5 | 1187.0 | 1186.6 |
| 150°   | 1208.6 | 1209.2 | 1209.9 | 1210.6 | 1211.2 | 1211.4 | 1210.9 | 1210.5 | 1210.0 | 1209.6 | 1209.1 |
| 152.5° | 1227.9 | 1229.0 | 1230.0 | 1231.0 | 1232.0 | 1232.1 | 1231.3 | 1230.5 | 1229.7 | 1228.9 | 1228.7 |
| 155°   | 1255.0 | 1256.3 | 1257.7 | 1259.0 | 1260.3 | 1260.4 | 1259.3 | 1258.2 | 1257.1 | 1256.0 | 1255.8 |
| 157.5° | 1277.8 | 1279.5 | 1281.2 | 1282.9 | 1284.8 | 1285.0 | 1283.5 | 1282.2 | 1280.9 | 1279.5 | 1279.8 |
| 160°   | 1292.2 | 1293.8 | 1295.4 | 1297.0 | 1298.5 | 1298.6 | 1297.3 | 1296.0 | 1294.6 | 1293.2 | 1293.4 |
| 162.5° | 1306.0 | 1307.4 | 1308.7 | 1310.1 | 1311.5 | 1311.4 | 1309.9 | 1308.4 | 1306.9 | 1305.4 | 1305.6 |
| 165°   | 1322.5 | 1324.0 | 1325.6 | 1327.2 | 1328.8 | 1328.7 | 1326.9 | 1325.0 | 1323.2 | 1321.5 | 1321.7 |
| 167.5° | 1334.3 | 1336.2 | 1338.0 | 1339.8 | 1341.5 | 1341.5 | 1339.8 | 1338.0 | 1336.2 | 1334.3 | 1334.3 |
| 170°   | 1341.6 | 1343.4 | 1345.2 | 1347.1 | 1348.8 | 1348.8 | 1347.1 | 1345.2 | 1343.4 | 1341.6 | 1341.6 |
| 172.5° | 1345.6 | 1347.7 | 1349.6 | 1351.6 | 1353.5 | 1353.6 | 1351.8 | 1350.1 | 1348.3 | 1346.5 | 1346.3 |
| 175°   | 1351.7 | 1353.5 | 1355.3 | 1357.1 | 1358.9 | 1359.0 | 1357.5 | 1355.8 | 1354.3 | 1352.7 | 1352.5 |
| 177.5° | 1353.5 | 1355.3 | 1357.2 | 1358.9 | 1360.7 | 1360.9 | 1359.5 | 1358.0 | 1356.6 | 1355.1 | 1354.9 |
| 180°   | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 |



TEST NUMBER: P331937-840

CATALOG NUMBER: S123DIP-S560D1025U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 798.3  | 798.3  | 798.3  | 798.3 | 798.3 | 798.3 | 798.3 | 798.3 | 798.3 | 798.3 | 798.3 |
| 2.5°   | 823.0  | 820.6  | 818.1  | 813.7 | 810.0 | 804.8 | 803.2 | 801.4 | 795.9 | 790.8 | 787.2 |
| 5°     | 873.3  | 864.0  | 850.5  | 838.1 | 828.1 | 814.6 | 806.8 | 798.7 | 787.1 | 776.7 | 768.1 |
| 7.5°   | 925.9  | 907.7  | 886.7  | 863.9 | 842.7 | 822.2 | 805.8 | 791.1 | 774.9 | 759.4 | 747.5 |
| 10°    | 967.8  | 941.4  | 912.0  | 880.3 | 853.2 | 826.9 | 804.9 | 785.6 | 764.7 | 746.5 | 731.3 |
| 12.5°  | 1015.3 | 976.3  | 935.8  | 897.3 | 865.3 | 828.8 | 802.1 | 777.5 | 753.9 | 732.0 | 715.0 |
| 15°    | 1071.8 | 1022.3 | 974.3  | 921.3 | 872.5 | 826.9 | 795.2 | 764.3 | 736.8 | 714.4 | 692.7 |
| 17.5°  | 1123.1 | 1067.0 | 1003.8 | 939.4 | 880.6 | 826.5 | 782.0 | 747.1 | 712.8 | 685.3 | 663.7 |
| 20°    | 1152.2 | 1088.3 | 1016.8 | 949.9 | 884.9 | 824.6 | 775.9 | 734.1 | 697.0 | 667.9 | 643.6 |
| 22.5°  | 1177.3 | 1102.6 | 1028.5 | 957.0 | 884.6 | 819.6 | 764.5 | 721.4 | 681.2 | 652.8 | 626.9 |
| 25°    | 1203.3 | 1113.9 | 1039.7 | 955.7 | 874.8 | 807.6 | 745.7 | 697.0 | 656.7 | 623.5 | 596.8 |
| 27.5°  | 1225.6 | 1113.2 | 1025.0 | 934.7 | 859.6 | 792.1 | 726.1 | 673.8 | 631.1 | 594.9 | 567.8 |
| 30°    | 1240.4 | 1114.7 | 1009.9 | 920.5 | 844.8 | 775.1 | 710.8 | 658.3 | 613.4 | 576.6 | 551.2 |
| 32.5°  | 1249.7 | 1113.8 | 995.9  | 900.7 | 821.2 | 759.6 | 694.5 | 640.1 | 593.9 | 557.8 | 533.2 |
| 35°    | 1255.1 | 1106.9 | 972.0  | 859.8 | 783.3 | 723.3 | 668.7 | 612.3 | 563.9 | 530.3 | 502.4 |
| 37.5°  | 1244.3 | 1092.7 | 944.1  | 820.3 | 736.5 | 677.5 | 631.6 | 583.5 | 537.2 | 500.2 | 476.2 |
| 40°    | 1227.2 | 1083.4 | 922.4  | 792.5 | 704.3 | 647.4 | 608.4 | 561.2 | 515.5 | 480.4 | 458.0 |
| 42.5°  | 1194.8 | 1064.5 | 898.7  | 761.5 | 670.9 | 614.0 | 578.0 | 538.7 | 495.4 | 462.4 | 440.0 |
| 45°    | 1115.5 | 1023.4 | 862.9  | 715.2 | 621.6 | 562.8 | 531.1 | 502.4 | 463.3 | 431.2 | 411.9 |
| 47.5°  | 1005.4 | 961.6  | 811.2  | 666.2 | 570.1 | 513.5 | 480.5 | 457.5 | 428.9 | 403.0 | 384.5 |
| 50°    | 929.1  | 910.9  | 776.3  | 632.8 | 535.6 | 480.4 | 448.7 | 427.8 | 407.3 | 381.3 | 364.4 |
| 52.5°  | 840.8  | 852.0  | 735.4  | 598.1 | 500.7 | 446.4 | 416.5 | 399.9 | 381.3 | 360.0 | 345.2 |
| 55°    | 716.7  | 757.3  | 664.9  | 540.0 | 448.7 | 396.9 | 368.6 | 353.9 | 343.1 | 327.2 | 314.5 |
| 57.5°  | 600.5  | 652.1  | 588.5  | 480.0 | 397.5 | 352.8 | 325.8 | 309.7 | 302.8 | 294.5 | 284.5 |
| 60°    | 531.4  | 582.5  | 534.1  | 439.8 | 363.1 | 320.6 | 296.7 | 283.2 | 276.2 | 270.3 | 261.9 |
| 62.5°  | 469.9  | 521.5  | 480.9  | 398.9 | 329.4 | 290.0 | 269.1 | 255.9 | 250.4 | 247.4 | 240.1 |
| 65°    | 385.3  | 429.7  | 402.6  | 335.4 | 281.1 | 246.4 | 227.4 | 218.1 | 213.1 | 212.0 | 207.3 |
| 67.5°  | 313.6  | 347.4  | 327.7  | 278.1 | 235.5 | 205.4 | 189.3 | 181.5 | 177.6 | 177.2 | 173.7 |
| 70°    | 266.5  | 298.2  | 283.2  | 238.2 | 201.5 | 177.9 | 164.0 | 157.0 | 154.7 | 154.3 | 152.4 |
| 72.5°  | 229.9  | 252.1  | 240.1  | 202.7 | 174.3 | 152.9 | 142.6 | 135.3 | 132.7 | 133.3 | 132.0 |
| 75°    | 170.2  | 186.8  | 179.9  | 153.9 | 131.1 | 117.1 | 108.7 | 104.0 | 101.7 | 102.9 | 101.3 |
| 77.5°  | 122.5  | 133.0  | 126.7  | 108.8 | 94.7  | 84.6  | 78.4  | 75.5  | 73.4  | 73.3  | 72.6  |
| 80°    | 92.4   | 98.7   | 95.1   | 84.3  | 72.7  | 64.2  | 59.2  | 57.3  | 56.0  | 55.7  | 55.3  |
| 82.5°  | 65.8   | 71.1   | 67.0   | 59.6  | 51.7  | 46.6  | 43.7  | 41.2  | 40.3  | 40.5  | 40.2  |
| 85°    | 33.2   | 35.2   | 33.6   | 29.0  | 26.0  | 23.6  | 22.0  | 20.9  | 20.1  | 20.5  | 19.7  |
| 87.5°  | 15.1   | 14.8   | 13.3   | 11.6  | 10.5  | 9.2   | 8.7   | 7.7   | 7.5   | 7.9   | 8.1   |
| 90°    | 18.4   | 15.5   | 12.5   | 10.0  | 7.8   | 5.5   | 3.2   | 1.0   | 3.2   | 5.5   | 7.8   |
| 92.5°  | 21.4   | 19.2   | 17.1   | 16.3  | 16.9  | 17.5  | 18.1  | 18.8  | 18.1  | 17.5  | 16.9  |
| 95°    | 26.4   | 23.8   | 21.4   | 24.7  | 33.9  | 43.1  | 52.3  | 61.5  | 52.3  | 43.1  | 33.9  |
| 97.5°  | 64.7   | 80.9   | 96.9   | 107.0 | 111.2 | 115.3 | 119.5 | 123.6 | 119.5 | 115.3 | 111.2 |
| 100°   | 103.1  | 138.0  | 173.0  | 188.2 | 183.8 | 179.4 | 174.8 | 170.4 | 174.8 | 179.4 | 183.8 |
| 102.5° | 142.7  | 180.9  | 219.0  | 236.5 | 233.3 | 230.0 | 226.8 | 223.6 | 226.8 | 230.0 | 233.3 |
| 105°   | 261.1  | 281.2  | 301.3  | 310.2 | 307.8 | 305.3 | 302.9 | 300.3 | 302.9 | 305.3 | 307.8 |
| 107.5° | 398.3  | 395.1  | 391.9  | 389.3 | 387.4 | 385.4 | 383.4 | 381.4 | 383.4 | 385.4 | 387.4 |
| 110°   | 449.7  | 447.2  | 444.7  | 442.6 | 440.8 | 439.0 | 437.3 | 435.5 | 437.3 | 439.0 | 440.8 |





TEST NUMBER: P331937-840

CATALOG NUMBER: S123DIP-S560D1025U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 500.5  | 498.1  | 495.5  | 493.5  | 491.9  | 490.3  | 488.7  | 487.1  | 488.7  | 490.3  | 491.9  |
| 115°   | 574.5  | 572.5  | 570.6  | 568.9  | 567.5  | 566.1  | 564.8  | 563.5  | 564.8  | 566.1  | 567.5  |
| 117.5° | 647.5  | 646.4  | 645.4  | 644.1  | 642.5  | 640.8  | 639.1  | 637.4  | 639.1  | 640.8  | 642.5  |
| 120°   | 694.2  | 693.5  | 692.9  | 691.5  | 689.4  | 687.4  | 685.4  | 683.4  | 685.4  | 687.4  | 689.4  |
| 122.5° | 739.8  | 738.9  | 738.1  | 736.8  | 735.2  | 733.5  | 731.8  | 730.2  | 731.8  | 733.5  | 735.2  |
| 125°   | 804.6  | 803.8  | 802.8  | 801.4  | 799.7  | 797.9  | 796.1  | 794.3  | 796.1  | 797.9  | 799.7  |
| 127.5° | 867.2  | 866.1  | 864.9  | 863.5  | 861.7  | 860.0  | 858.2  | 856.4  | 858.2  | 860.0  | 861.7  |
| 130°   | 905.4  | 904.5  | 903.6  | 902.3  | 900.5  | 898.7  | 896.9  | 895.1  | 896.9  | 898.7  | 900.5  |
| 132.5° | 942.0  | 941.3  | 940.6  | 939.4  | 937.6  | 935.7  | 934.0  | 932.2  | 934.0  | 935.7  | 937.6  |
| 135°   | 997.1  | 996.2  | 995.3  | 994.2  | 992.9  | 991.5  | 990.2  | 988.9  | 990.2  | 991.5  | 992.9  |
| 137.5° | 1046.1 | 1045.6 | 1045.1 | 1044.0 | 1042.4 | 1040.7 | 1038.9 | 1037.2 | 1038.9 | 1040.7 | 1042.4 |
| 140°   | 1077.2 | 1076.5 | 1075.9 | 1074.9 | 1073.5 | 1072.2 | 1070.9 | 1069.4 | 1070.9 | 1072.2 | 1073.5 |
| 142.5° | 1107.0 | 1106.4 | 1105.7 | 1104.7 | 1103.4 | 1102.0 | 1100.7 | 1099.3 | 1100.7 | 1102.0 | 1103.4 |
| 145°   | 1149.2 | 1148.8 | 1148.3 | 1147.3 | 1145.8 | 1144.2 | 1142.7 | 1141.0 | 1142.7 | 1144.2 | 1145.8 |
| 147.5° | 1186.1 | 1185.7 | 1185.2 | 1184.5 | 1183.5 | 1182.5 | 1181.4 | 1180.3 | 1181.4 | 1182.5 | 1183.5 |
| 150°   | 1208.7 | 1208.2 | 1207.8 | 1207.2 | 1206.6 | 1205.9 | 1205.3 | 1204.6 | 1205.3 | 1205.9 | 1206.6 |
| 152.5° | 1228.4 | 1228.1 | 1227.9 | 1227.6 | 1227.3 | 1227.0 | 1226.7 | 1226.3 | 1226.7 | 1227.0 | 1227.3 |
| 155°   | 1255.5 | 1255.3 | 1255.1 | 1255.2 | 1255.7 | 1256.1 | 1256.5 | 1257.0 | 1256.5 | 1256.1 | 1255.7 |
| 157.5° | 1280.0 | 1280.2 | 1280.4 | 1280.6 | 1280.6 | 1280.7 | 1280.7 | 1280.7 | 1280.7 | 1280.7 | 1280.6 |
| 160°   | 1293.7 | 1293.9 | 1294.1 | 1294.3 | 1294.6 | 1294.8 | 1295.1 | 1295.3 | 1295.1 | 1294.8 | 1294.6 |
| 162.5° | 1305.8 | 1306.1 | 1306.3 | 1306.7 | 1307.3 | 1307.8 | 1308.4 | 1309.0 | 1308.4 | 1307.8 | 1307.3 |
| 165°   | 1321.9 | 1322.1 | 1322.4 | 1322.8 | 1323.5 | 1324.1 | 1324.8 | 1325.5 | 1324.8 | 1324.1 | 1323.5 |
| 167.5° | 1334.3 | 1334.3 | 1334.3 | 1334.8 | 1335.7 | 1336.7 | 1337.6 | 1338.4 | 1337.6 | 1336.7 | 1335.7 |
| 170°   | 1341.6 | 1341.6 | 1341.6 | 1342.1 | 1343.0 | 1343.9 | 1344.7 | 1345.6 | 1344.7 | 1343.9 | 1343.0 |
| 172.5° | 1346.2 | 1345.9 | 1345.7 | 1346.3 | 1347.3 | 1348.4 | 1349.5 | 1350.5 | 1349.5 | 1348.4 | 1347.3 |
| 175°   | 1352.3 | 1352.0 | 1351.8 | 1352.3 | 1353.4 | 1354.5 | 1355.6 | 1356.8 | 1355.6 | 1354.5 | 1353.4 |
| 177.5° | 1354.8 | 1354.6 | 1354.4 | 1354.8 | 1355.6 | 1356.6 | 1357.5 | 1358.4 | 1357.5 | 1356.6 | 1355.6 |
| 180°   | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 |



TEST NUMBER: P331937-840

CATALOG NUMBER: S123DIP-S560D1025U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 798.3 | 798.3 | 798.3 | 798.3 | 798.3 | 798.3 | 798.3 | 798.3 | 798.3 | 798.3 | 798.3 |
| 2.5°   | 785.0 | 782.8 | 779.7 | 775.1 | 771.3 | 765.5 | 765.5 | 766.4 | 766.4 | 766.1 | 765.5 |
| 5°     | 761.1 | 755.4 | 748.4 | 740.3 | 731.7 | 723.3 | 721.8 | 718.6 | 716.3 | 714.8 | 712.9 |
| 7.5°   | 736.0 | 725.8 | 715.6 | 704.3 | 693.9 | 685.3 | 679.3 | 674.4 | 671.2 | 667.8 | 665.3 |
| 10°    | 719.0 | 706.2 | 694.3 | 682.3 | 669.1 | 658.6 | 652.1 | 647.4 | 644.0 | 640.9 | 639.3 |
| 12.5°  | 698.9 | 684.3 | 671.1 | 659.6 | 645.3 | 634.5 | 628.2 | 626.1 | 622.0 | 615.5 | 612.1 |
| 15°    | 669.5 | 656.0 | 640.2 | 622.7 | 615.7 | 602.6 | 595.2 | 591.8 | 589.5 | 584.4 | 582.9 |
| 17.5°  | 644.4 | 626.6 | 608.8 | 595.8 | 582.9 | 572.3 | 568.2 | 563.8 | 560.8 | 556.6 | 555.4 |
| 20°    | 624.3 | 608.4 | 592.2 | 578.2 | 564.7 | 553.1 | 549.6 | 546.5 | 543.4 | 541.5 | 540.0 |
| 22.5°  | 603.8 | 587.9 | 574.5 | 561.5 | 547.0 | 539.5 | 535.6 | 532.3 | 530.1 | 528.8 | 527.3 |
| 25°    | 575.1 | 561.2 | 546.1 | 534.5 | 522.9 | 517.9 | 515.5 | 513.6 | 512.1 | 510.2 | 509.8 |
| 27.5°  | 549.5 | 534.3 | 522.1 | 511.2 | 502.9 | 498.7 | 496.4 | 495.5 | 495.8 | 496.6 | 497.0 |
| 30°    | 530.3 | 516.3 | 506.2 | 497.0 | 489.3 | 485.4 | 485.0 | 485.0 | 486.6 | 487.0 | 487.8 |
| 32.5°  | 512.6 | 501.2 | 491.1 | 482.1 | 476.3 | 473.6 | 475.1 | 475.1 | 476.4 | 477.4 | 478.8 |
| 35°    | 487.0 | 476.9 | 469.2 | 461.4 | 456.4 | 457.6 | 458.3 | 459.1 | 461.0 | 463.3 | 464.9 |
| 37.5°  | 462.4 | 453.7 | 445.7 | 439.6 | 437.3 | 439.4 | 441.2 | 442.8 | 445.1 | 446.9 | 448.4 |
| 40°    | 444.7 | 438.2 | 430.5 | 425.1 | 425.9 | 427.0 | 428.6 | 430.5 | 432.4 | 433.5 | 435.2 |
| 42.5°  | 428.4 | 421.5 | 415.7 | 411.1 | 412.2 | 413.7 | 414.7 | 415.7 | 417.9 | 420.0 | 420.9 |
| 45°    | 403.4 | 398.0 | 392.5 | 389.9 | 390.6 | 391.4 | 392.2 | 393.3 | 395.3 | 396.9 | 397.2 |
| 47.5°  | 375.4 | 371.5 | 367.9 | 365.3 | 366.5 | 366.2 | 367.2 | 369.7 | 370.3 | 371.2 | 373.3 |
| 50°    | 357.4 | 353.9 | 349.6 | 348.9 | 348.9 | 348.9 | 349.2 | 352.3 | 352.3 | 353.9 | 355.5 |
| 52.5°  | 337.6 | 335.4 | 332.6 | 331.2 | 330.6 | 330.6 | 332.2 | 333.8 | 334.4 | 336.6 | 338.1 |
| 55°    | 308.2 | 305.9 | 303.7 | 302.5 | 301.6 | 302.5 | 305.6 | 306.3 | 308.2 | 309.4 | 310.5 |
| 57.5°  | 277.7 | 275.9 | 274.1 | 273.5 | 273.3 | 274.3 | 276.0 | 278.3 | 278.8 | 282.4 | 284.1 |
| 60°    | 257.6 | 254.9 | 253.4 | 253.4 | 252.6 | 256.0 | 255.3 | 259.1 | 259.9 | 262.3 | 265.0 |
| 62.5°  | 236.8 | 233.2 | 232.6 | 232.6 | 233.7 | 234.7 | 235.8 | 237.5 | 239.5 | 242.5 | 244.5 |
| 65°    | 203.5 | 201.5 | 204.2 | 203.8 | 203.1 | 205.4 | 205.4 | 207.3 | 209.6 | 212.4 | 216.6 |
| 67.5°  | 171.8 | 170.8 | 171.1 | 171.1 | 172.2 | 173.5 | 174.6 | 176.3 | 179.0 | 182.0 | 184.7 |
| 70°    | 150.5 | 151.6 | 149.7 | 151.3 | 152.4 | 152.8 | 153.5 | 155.8 | 159.0 | 160.9 | 164.0 |
| 72.5°  | 129.8 | 129.7 | 129.9 | 130.5 | 131.7 | 132.4 | 133.1 | 135.7 | 139.2 | 140.8 | 143.3 |
| 75°    | 99.8  | 99.4  | 100.6 | 100.6 | 102.5 | 103.3 | 104.0 | 105.2 | 108.3 | 110.6 | 112.6 |
| 77.5°  | 72.9  | 73.3  | 73.1  | 74.4  | 73.9  | 74.0  | 76.4  | 77.6  | 77.9  | 82.5  | 83.5  |
| 80°    | 54.9  | 55.7  | 56.0  | 56.5  | 56.9  | 56.0  | 58.8  | 60.0  | 60.0  | 62.6  | 64.6  |
| 82.5°  | 39.5  | 39.9  | 40.9  | 41.3  | 41.4  | 42.1  | 42.4  | 43.2  | 44.1  | 45.3  | 47.9  |
| 85°    | 19.7  | 20.9  | 21.3  | 20.9  | 21.3  | 20.5  | 21.6  | 22.0  | 22.4  | 22.4  | 22.4  |
| 87.5°  | 8.2   | 9.0   | 9.3   | 10.2  | 10.4  | 11.3  | 11.5  | 11.1  | 11.2  | 12.3  | 11.2  |
| 90°    | 10.0  | 12.5  | 15.5  | 18.4  | 21.3  | 24.2  | 25.0  | 26.0  | 26.9  | 27.8  | 28.5  |
| 92.5°  | 16.3  | 17.1  | 19.2  | 21.4  | 23.6  | 25.9  | 27.3  | 28.7  | 30.1  | 31.5  | 32.4  |
| 95°    | 24.7  | 21.4  | 23.8  | 26.4  | 28.8  | 31.2  | 32.8  | 34.3  | 36.0  | 37.6  | 38.3  |
| 97.5°  | 107.0 | 96.9  | 80.9  | 64.7  | 48.6  | 32.4  | 34.2  | 36.1  | 37.9  | 39.6  | 40.6  |
| 100°   | 188.2 | 173.0 | 138.0 | 103.1 | 68.2  | 33.2  | 35.0  | 36.9  | 38.7  | 40.4  | 41.4  |
| 102.5° | 236.5 | 219.0 | 180.9 | 142.7 | 104.5 | 66.3  | 60.8  | 55.2  | 49.7  | 44.1  | 41.5  |
| 105°   | 310.2 | 301.3 | 281.2 | 261.1 | 241.0 | 220.8 | 181.1 | 141.5 | 101.8 | 62.2  | 42.5  |
| 107.5° | 389.3 | 391.9 | 395.1 | 398.3 | 401.4 | 404.7 | 375.6 | 346.5 | 317.4 | 288.3 | 258.8 |
| 110°   | 442.6 | 444.7 | 447.2 | 449.7 | 452.1 | 454.6 | 447.2 | 439.8 | 432.4 | 425.1 | 405.4 |



TEST NUMBER: P331937-840

CATALOG NUMBER: S123DIP-S560D1025U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 493.5  | 495.5  | 498.1  | 500.5  | 502.9  | 505.4  | 505.5  | 505.6  | 505.8  | 505.9  | 502.6  |
| 115°   | 568.9  | 570.6  | 572.5  | 574.5  | 576.5  | 578.6  | 580.9  | 583.1  | 585.3  | 587.5  | 589.2  |
| 117.5° | 644.1  | 645.4  | 646.4  | 647.5  | 648.5  | 649.5  | 651.4  | 653.2  | 654.9  | 656.7  | 657.7  |
| 120°   | 691.5  | 692.9  | 693.5  | 694.2  | 694.9  | 695.5  | 697.3  | 699.1  | 700.8  | 702.7  | 703.6  |
| 122.5° | 736.8  | 738.1  | 738.9  | 739.8  | 740.6  | 741.4  | 742.8  | 744.0  | 745.3  | 746.5  | 747.2  |
| 125°   | 801.4  | 802.8  | 803.8  | 804.6  | 805.5  | 806.4  | 806.9  | 807.3  | 807.7  | 808.2  | 808.6  |
| 127.5° | 863.5  | 864.9  | 866.1  | 867.2  | 868.2  | 869.3  | 870.0  | 870.7  | 871.4  | 872.1  | 872.3  |
| 130°   | 902.3  | 903.6  | 904.5  | 905.4  | 906.3  | 907.2  | 908.1  | 909.0  | 909.9  | 910.8  | 911.0  |
| 132.5° | 939.4  | 940.6  | 941.3  | 942.0  | 942.8  | 943.5  | 944.4  | 945.2  | 946.1  | 947.1  | 947.2  |
| 135°   | 994.2  | 995.3  | 996.2  | 997.1  | 998.0  | 999.0  | 999.6  | 1000.3 | 1001.0 | 1001.6 | 1001.6 |
| 137.5° | 1044.0 | 1045.1 | 1045.6 | 1046.1 | 1046.6 | 1047.1 | 1048.1 | 1049.2 | 1050.4 | 1051.4 | 1051.7 |
| 140°   | 1074.9 | 1075.9 | 1076.5 | 1077.2 | 1077.9 | 1078.5 | 1079.4 | 1080.4 | 1081.3 | 1082.2 | 1082.4 |
| 142.5° | 1104.7 | 1105.7 | 1106.4 | 1107.0 | 1107.7 | 1108.4 | 1109.1 | 1109.8 | 1110.5 | 1111.3 | 1111.3 |
| 145°   | 1147.3 | 1148.3 | 1148.8 | 1149.2 | 1149.6 | 1150.1 | 1150.5 | 1151.0 | 1151.4 | 1152.0 | 1152.2 |
| 147.5° | 1184.5 | 1185.2 | 1185.7 | 1186.1 | 1186.6 | 1187.0 | 1187.5 | 1187.9 | 1188.3 | 1188.8 | 1188.5 |
| 150°   | 1207.2 | 1207.8 | 1208.2 | 1208.7 | 1209.1 | 1209.6 | 1210.0 | 1210.5 | 1210.9 | 1211.4 | 1211.2 |
| 152.5° | 1227.6 | 1227.9 | 1228.1 | 1228.4 | 1228.7 | 1228.9 | 1229.7 | 1230.5 | 1231.3 | 1232.1 | 1232.0 |
| 155°   | 1255.2 | 1255.1 | 1255.3 | 1255.5 | 1255.8 | 1256.0 | 1257.1 | 1258.2 | 1259.3 | 1260.4 | 1260.3 |
| 157.5° | 1280.6 | 1280.4 | 1280.2 | 1280.0 | 1279.8 | 1279.5 | 1280.9 | 1282.2 | 1283.5 | 1285.0 | 1284.8 |
| 160°   | 1294.3 | 1294.1 | 1293.9 | 1293.7 | 1293.4 | 1293.2 | 1294.6 | 1296.0 | 1297.3 | 1298.6 | 1298.5 |
| 162.5° | 1306.7 | 1306.3 | 1306.1 | 1305.8 | 1305.6 | 1305.4 | 1306.9 | 1308.4 | 1309.9 | 1311.4 | 1311.5 |
| 165°   | 1322.8 | 1322.4 | 1322.1 | 1321.9 | 1321.7 | 1321.5 | 1323.2 | 1325.0 | 1326.9 | 1328.7 | 1328.8 |
| 167.5° | 1334.8 | 1334.3 | 1334.3 | 1334.3 | 1334.3 | 1334.3 | 1336.2 | 1338.0 | 1339.8 | 1341.5 | 1341.5 |
| 170°   | 1342.1 | 1341.6 | 1341.6 | 1341.6 | 1341.6 | 1341.6 | 1343.4 | 1345.2 | 1347.1 | 1348.8 | 1348.8 |
| 172.5° | 1346.3 | 1345.7 | 1345.9 | 1346.2 | 1346.3 | 1346.5 | 1348.3 | 1350.1 | 1351.8 | 1353.6 | 1353.5 |
| 175°   | 1352.3 | 1351.8 | 1352.0 | 1352.3 | 1352.5 | 1352.7 | 1354.3 | 1355.8 | 1357.5 | 1359.0 | 1358.9 |
| 177.5° | 1354.8 | 1354.4 | 1354.6 | 1354.8 | 1354.9 | 1355.1 | 1356.6 | 1358.0 | 1359.5 | 1360.9 | 1360.7 |
| 180°   | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 |



TEST NUMBER: P331937-840

CATALOG NUMBER: S123DIP-S560D1025U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 798.3 | 798.3 | 798.3 | 798.3 | 798.3 | 798.3 | 798.3 | 798.3 | 798.3 | 798.3 | 798.3 |
| 2.5°   | 763.4 | 763.1 | 765.2 | 763.7 | 765.2 | 763.1 | 763.4 | 765.5 | 766.1 | 766.4 | 766.4 |
| 5°     | 710.5 | 711.7 | 707.8 | 707.8 | 707.8 | 711.7 | 710.5 | 712.9 | 714.8 | 716.3 | 718.6 |
| 7.5°   | 663.5 | 661.8 | 662.0 | 659.8 | 662.0 | 661.8 | 663.5 | 665.3 | 667.8 | 671.2 | 674.4 |
| 10°    | 634.7 | 632.4 | 631.6 | 632.0 | 631.6 | 632.4 | 634.7 | 639.3 | 640.9 | 644.0 | 647.4 |
| 12.5°  | 610.9 | 610.4 | 605.3 | 605.4 | 605.3 | 610.4 | 610.9 | 612.1 | 615.5 | 622.0 | 626.1 |
| 15°    | 582.9 | 575.5 | 574.7 | 577.0 | 574.7 | 575.5 | 582.9 | 582.9 | 584.4 | 589.5 | 591.8 |
| 17.5°  | 554.8 | 550.9 | 551.2 | 550.0 | 551.2 | 550.9 | 554.8 | 555.4 | 556.6 | 560.8 | 563.8 |
| 20°    | 540.0 | 537.7 | 537.2 | 534.5 | 537.2 | 537.7 | 540.0 | 540.0 | 541.5 | 543.4 | 546.5 |
| 22.5°  | 526.3 | 525.5 | 525.7 | 522.8 | 525.7 | 525.5 | 526.3 | 527.3 | 528.8 | 530.1 | 532.3 |
| 25°    | 509.4 | 511.3 | 509.8 | 509.8 | 509.8 | 511.3 | 509.4 | 509.8 | 510.2 | 512.1 | 513.6 |
| 27.5°  | 498.0 | 497.9 | 497.1 | 497.1 | 497.1 | 497.9 | 498.0 | 497.0 | 496.6 | 495.8 | 495.5 |
| 30°    | 489.3 | 488.9 | 489.7 | 489.7 | 489.7 | 488.9 | 489.3 | 487.8 | 487.0 | 486.6 | 485.0 |
| 32.5°  | 480.6 | 481.1 | 481.3 | 481.6 | 481.3 | 481.1 | 480.6 | 478.8 | 477.4 | 476.4 | 475.1 |
| 35°    | 467.3 | 467.6 | 468.8 | 468.0 | 468.8 | 467.6 | 467.3 | 464.9 | 463.3 | 461.0 | 459.1 |
| 37.5°  | 449.1 | 450.9 | 450.5 | 451.1 | 450.5 | 450.9 | 449.1 | 448.4 | 446.9 | 445.1 | 442.8 |
| 40°    | 435.6 | 436.7 | 436.3 | 436.3 | 436.3 | 436.7 | 435.6 | 435.2 | 433.5 | 432.4 | 430.5 |
| 42.5°  | 421.6 | 422.4 | 421.4 | 420.8 | 421.4 | 422.4 | 421.6 | 420.9 | 420.0 | 417.9 | 415.7 |
| 45°    | 398.8 | 398.0 | 399.2 | 397.6 | 399.2 | 398.0 | 398.8 | 397.2 | 396.9 | 395.3 | 393.3 |
| 47.5°  | 373.2 | 374.1 | 374.4 | 375.5 | 374.4 | 374.1 | 373.2 | 373.3 | 371.2 | 370.3 | 369.7 |
| 50°    | 356.2 | 358.5 | 358.5 | 358.2 | 358.5 | 358.5 | 356.2 | 355.5 | 353.9 | 352.3 | 352.3 |
| 52.5°  | 339.5 | 340.6 | 342.1 | 342.0 | 342.1 | 340.6 | 339.5 | 338.1 | 336.6 | 334.4 | 333.8 |
| 55°    | 313.7 | 314.5 | 315.2 | 315.6 | 315.2 | 314.5 | 313.7 | 310.5 | 309.4 | 308.2 | 306.3 |
| 57.5°  | 286.9 | 286.6 | 288.4 | 289.0 | 288.4 | 286.6 | 286.9 | 284.1 | 282.4 | 278.8 | 278.3 |
| 60°    | 268.0 | 268.0 | 271.1 | 272.3 | 271.1 | 268.0 | 268.0 | 265.0 | 262.3 | 259.9 | 259.1 |
| 62.5°  | 247.9 | 249.1 | 252.3 | 250.6 | 252.3 | 249.1 | 247.9 | 244.5 | 242.5 | 239.5 | 237.5 |
| 65°    | 218.5 | 221.7 | 221.3 | 222.8 | 221.3 | 221.7 | 218.5 | 216.6 | 212.4 | 209.6 | 207.3 |
| 67.5°  | 187.8 | 189.8 | 192.6 | 192.8 | 192.6 | 189.8 | 187.8 | 184.7 | 182.0 | 179.0 | 176.3 |
| 70°    | 167.1 | 169.1 | 170.6 | 171.7 | 170.6 | 169.1 | 167.1 | 164.0 | 160.9 | 159.0 | 155.8 |
| 72.5°  | 146.9 | 147.9 | 151.7 | 150.1 | 151.7 | 147.9 | 146.9 | 143.3 | 140.8 | 139.2 | 135.7 |
| 75°    | 115.2 | 118.0 | 120.3 | 119.2 | 120.3 | 118.0 | 115.2 | 112.6 | 110.6 | 108.3 | 105.2 |
| 77.5°  | 85.2  | 88.0  | 89.1  | 88.1  | 89.1  | 88.0  | 85.2  | 83.5  | 82.5  | 77.9  | 77.6  |
| 80°    | 67.3  | 67.0  | 69.3  | 68.9  | 69.3  | 67.0  | 67.3  | 64.6  | 62.6  | 60.0  | 60.0  |
| 82.5°  | 49.4  | 49.0  | 50.1  | 50.3  | 50.1  | 49.0  | 49.4  | 47.9  | 45.3  | 44.1  | 43.2  |
| 85°    | 23.9  | 25.1  | 23.6  | 23.2  | 23.6  | 25.1  | 23.9  | 22.4  | 22.4  | 22.4  | 22.0  |
| 87.5°  | 11.3  | 11.4  | 11.2  | 11.0  | 11.2  | 11.4  | 11.3  | 11.2  | 12.3  | 11.2  | 11.1  |
| 90°    | 28.9  | 29.4  | 29.8  | 30.2  | 29.8  | 29.4  | 28.9  | 28.5  | 27.8  | 26.9  | 26.0  |
| 92.5°  | 32.6  | 32.9  | 33.2  | 33.4  | 33.2  | 32.9  | 32.6  | 32.4  | 31.5  | 30.1  | 28.7  |
| 95°    | 38.3  | 38.3  | 38.3  | 38.3  | 38.3  | 38.3  | 38.3  | 38.3  | 37.6  | 36.0  | 34.3  |
| 97.5°  | 40.9  | 41.1  | 41.3  | 41.5  | 41.3  | 41.1  | 40.9  | 40.6  | 39.6  | 37.9  | 36.1  |
| 100°   | 41.7  | 41.9  | 42.1  | 42.3  | 42.1  | 41.9  | 41.7  | 41.4  | 40.4  | 38.7  | 36.9  |
| 102.5° | 41.9  | 42.3  | 42.7  | 43.1  | 42.7  | 42.3  | 41.9  | 41.5  | 44.1  | 49.7  | 55.2  |
| 105°   | 43.0  | 43.4  | 43.9  | 44.3  | 43.9  | 43.4  | 43.0  | 42.5  | 62.2  | 101.8 | 141.5 |
| 107.5° | 228.9 | 199.0 | 169.2 | 139.3 | 169.2 | 199.0 | 228.9 | 258.8 | 288.3 | 317.4 | 346.5 |
| 110°   | 373.2 | 341.2 | 309.2 | 277.2 | 309.2 | 341.2 | 373.2 | 405.4 | 425.1 | 432.4 | 439.8 |



TEST NUMBER: P331937-840

CATALOG NUMBER: S123DIP-S560D1025U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 495.8  | 489.1  | 482.3  | 475.5  | 482.3  | 489.1  | 495.8  | 502.6  | 505.9  | 505.8  | 505.6  |
| 115°   | 590.0  | 590.9  | 591.8  | 592.7  | 591.8  | 590.9  | 590.0  | 589.2  | 587.5  | 585.3  | 583.1  |
| 117.5° | 657.9  | 658.0  | 658.2  | 658.4  | 658.2  | 658.0  | 657.9  | 657.7  | 656.7  | 654.9  | 653.2  |
| 120°   | 703.6  | 703.6  | 703.6  | 703.6  | 703.6  | 703.6  | 703.6  | 703.6  | 702.7  | 700.8  | 699.1  |
| 122.5° | 747.4  | 747.6  | 747.7  | 747.9  | 747.7  | 747.6  | 747.4  | 747.2  | 746.5  | 745.3  | 744.0  |
| 125°   | 809.1  | 809.5  | 810.0  | 810.4  | 810.0  | 809.5  | 809.1  | 808.6  | 808.2  | 807.7  | 807.3  |
| 127.5° | 871.8  | 871.4  | 870.9  | 870.5  | 870.9  | 871.4  | 871.8  | 872.3  | 872.1  | 871.4  | 870.7  |
| 130°   | 910.6  | 910.1  | 909.7  | 909.2  | 909.7  | 910.1  | 910.6  | 911.0  | 910.8  | 909.9  | 909.0  |
| 132.5° | 946.5  | 945.9  | 945.3  | 944.7  | 945.3  | 945.9  | 946.5  | 947.2  | 947.1  | 946.1  | 945.2  |
| 135°   | 1001.0 | 1000.3 | 999.6  | 999.0  | 999.6  | 1000.3 | 1001.0 | 1001.6 | 1001.6 | 1001.0 | 1000.3 |
| 137.5° | 1051.3 | 1050.9 | 1050.4 | 1050.0 | 1050.4 | 1050.9 | 1051.3 | 1051.7 | 1051.4 | 1050.4 | 1049.2 |
| 140°   | 1081.9 | 1081.5 | 1081.1 | 1080.6 | 1081.1 | 1081.5 | 1081.9 | 1082.4 | 1082.2 | 1081.3 | 1080.4 |
| 142.5° | 1110.6 | 1110.0 | 1109.4 | 1108.8 | 1109.4 | 1110.0 | 1110.6 | 1111.3 | 1111.3 | 1110.5 | 1109.8 |
| 145°   | 1152.2 | 1152.2 | 1152.2 | 1152.2 | 1152.2 | 1152.2 | 1152.2 | 1152.2 | 1152.0 | 1151.4 | 1151.0 |
| 147.5° | 1187.5 | 1186.5 | 1185.4 | 1184.4 | 1185.4 | 1186.5 | 1187.5 | 1188.5 | 1188.8 | 1188.3 | 1187.9 |
| 150°   | 1210.6 | 1209.9 | 1209.2 | 1208.6 | 1209.2 | 1209.9 | 1210.6 | 1211.2 | 1211.4 | 1210.9 | 1210.5 |
| 152.5° | 1231.0 | 1230.0 | 1229.0 | 1227.9 | 1229.0 | 1230.0 | 1231.0 | 1232.0 | 1232.1 | 1231.3 | 1230.5 |
| 155°   | 1259.0 | 1257.7 | 1256.3 | 1255.0 | 1256.3 | 1257.7 | 1259.0 | 1260.3 | 1260.4 | 1259.3 | 1258.2 |
| 157.5° | 1282.9 | 1281.2 | 1279.5 | 1277.8 | 1279.5 | 1281.2 | 1282.9 | 1284.8 | 1285.0 | 1283.5 | 1282.2 |
| 160°   | 1297.0 | 1295.4 | 1293.8 | 1292.2 | 1293.8 | 1295.4 | 1297.0 | 1298.5 | 1298.6 | 1297.3 | 1296.0 |
| 162.5° | 1310.1 | 1308.7 | 1307.4 | 1306.0 | 1307.4 | 1308.7 | 1310.1 | 1311.5 | 1311.4 | 1309.9 | 1308.4 |
| 165°   | 1327.2 | 1325.6 | 1324.0 | 1322.5 | 1324.0 | 1325.6 | 1327.2 | 1328.8 | 1328.7 | 1326.9 | 1325.0 |
| 167.5° | 1339.8 | 1338.0 | 1336.2 | 1334.3 | 1336.2 | 1338.0 | 1339.8 | 1341.5 | 1341.5 | 1339.8 | 1338.0 |
| 170°   | 1347.1 | 1345.2 | 1343.4 | 1341.6 | 1343.4 | 1345.2 | 1347.1 | 1348.8 | 1348.8 | 1347.1 | 1345.2 |
| 172.5° | 1351.6 | 1349.6 | 1347.7 | 1345.6 | 1347.7 | 1349.6 | 1351.6 | 1353.5 | 1353.6 | 1351.8 | 1350.1 |
| 175°   | 1357.1 | 1355.3 | 1353.5 | 1351.7 | 1353.5 | 1355.3 | 1357.1 | 1358.9 | 1359.0 | 1357.5 | 1355.8 |
| 177.5° | 1358.9 | 1357.2 | 1355.3 | 1353.5 | 1355.3 | 1357.2 | 1358.9 | 1360.7 | 1360.9 | 1359.5 | 1358.0 |
| 180°   | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 |



TEST NUMBER: P331937-840

CATALOG NUMBER: S123DIP-S560D1025U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 798.3 | 798.3 | 798.3 | 798.3 | 798.3 | 798.3 | 798.3 | 798.3 | 798.3 | 798.3 | 798.3 |
| 2.5°   | 765.5 | 765.5 | 771.3 | 775.1 | 779.7 | 782.8 | 785.0 | 787.2 | 790.8 | 795.9 | 801.4 |
| 5°     | 721.8 | 723.3 | 731.7 | 740.3 | 748.4 | 755.4 | 761.1 | 768.1 | 776.7 | 787.1 | 798.7 |
| 7.5°   | 679.3 | 685.3 | 693.9 | 704.3 | 715.6 | 725.8 | 736.0 | 747.5 | 759.4 | 774.9 | 791.1 |
| 10°    | 652.1 | 658.6 | 669.1 | 682.3 | 694.3 | 706.2 | 719.0 | 731.3 | 746.5 | 764.7 | 785.6 |
| 12.5°  | 628.2 | 634.5 | 645.3 | 659.6 | 671.1 | 684.3 | 698.9 | 715.0 | 732.0 | 753.9 | 777.5 |
| 15°    | 595.2 | 602.6 | 615.7 | 622.7 | 640.2 | 656.0 | 669.5 | 692.7 | 714.4 | 736.8 | 764.3 |
| 17.5°  | 568.2 | 572.3 | 582.9 | 595.8 | 608.8 | 626.6 | 644.4 | 663.7 | 685.3 | 712.8 | 747.1 |
| 20°    | 549.6 | 553.1 | 564.7 | 578.2 | 592.2 | 608.4 | 624.3 | 643.6 | 667.9 | 697.0 | 734.1 |
| 22.5°  | 535.6 | 539.5 | 547.0 | 561.5 | 574.5 | 587.9 | 603.8 | 626.9 | 652.8 | 681.2 | 721.4 |
| 25°    | 515.5 | 517.9 | 522.9 | 534.5 | 546.1 | 561.2 | 575.1 | 596.8 | 623.5 | 656.7 | 697.0 |
| 27.5°  | 496.4 | 498.7 | 502.9 | 511.2 | 522.1 | 534.3 | 549.5 | 567.8 | 594.9 | 631.1 | 673.8 |
| 30°    | 485.0 | 485.4 | 489.3 | 497.0 | 506.2 | 516.3 | 530.3 | 551.2 | 576.6 | 613.4 | 658.3 |
| 32.5°  | 475.1 | 473.6 | 476.3 | 482.1 | 491.1 | 501.2 | 512.6 | 533.2 | 557.8 | 593.9 | 640.1 |
| 35°    | 458.3 | 457.6 | 456.4 | 461.4 | 469.2 | 476.9 | 487.0 | 502.4 | 530.3 | 563.9 | 612.3 |
| 37.5°  | 441.2 | 439.4 | 437.3 | 439.6 | 445.7 | 453.7 | 462.4 | 476.2 | 500.2 | 537.2 | 583.5 |
| 40°    | 428.6 | 427.0 | 425.9 | 425.1 | 430.5 | 438.2 | 444.7 | 458.0 | 480.4 | 515.5 | 561.2 |
| 42.5°  | 414.7 | 413.7 | 412.2 | 411.1 | 415.7 | 421.5 | 428.4 | 440.0 | 462.4 | 495.4 | 538.7 |
| 45°    | 392.2 | 391.4 | 390.6 | 389.9 | 392.5 | 398.0 | 403.4 | 411.9 | 431.2 | 463.3 | 502.4 |
| 47.5°  | 367.2 | 366.2 | 366.5 | 365.3 | 367.9 | 371.5 | 375.4 | 384.5 | 403.0 | 428.9 | 457.5 |
| 50°    | 349.2 | 348.9 | 348.9 | 348.9 | 349.6 | 353.9 | 357.4 | 364.4 | 381.3 | 407.3 | 427.8 |
| 52.5°  | 332.2 | 330.6 | 330.6 | 331.2 | 332.6 | 335.4 | 337.6 | 345.2 | 360.0 | 381.3 | 399.9 |
| 55°    | 305.6 | 302.5 | 301.6 | 302.5 | 303.7 | 305.9 | 308.2 | 314.5 | 327.2 | 343.1 | 353.9 |
| 57.5°  | 276.0 | 274.3 | 273.3 | 273.5 | 274.1 | 275.9 | 277.7 | 284.5 | 294.5 | 302.8 | 309.7 |
| 60°    | 255.3 | 256.0 | 252.6 | 253.4 | 253.4 | 254.9 | 257.6 | 261.9 | 270.3 | 276.2 | 283.2 |
| 62.5°  | 235.8 | 234.7 | 233.7 | 232.6 | 232.6 | 233.2 | 236.8 | 240.1 | 247.4 | 250.4 | 255.9 |
| 65°    | 205.4 | 205.4 | 203.1 | 203.8 | 204.2 | 201.5 | 203.5 | 207.3 | 212.0 | 213.1 | 218.1 |
| 67.5°  | 174.6 | 173.5 | 172.2 | 171.1 | 171.1 | 170.8 | 171.8 | 173.7 | 177.2 | 177.6 | 181.5 |
| 70°    | 153.5 | 152.8 | 152.4 | 151.3 | 149.7 | 151.6 | 150.5 | 152.4 | 154.3 | 154.7 | 157.0 |
| 72.5°  | 133.1 | 132.4 | 131.7 | 130.5 | 129.9 | 129.7 | 129.8 | 132.0 | 133.3 | 132.7 | 135.3 |
| 75°    | 104.0 | 103.3 | 102.5 | 100.6 | 100.6 | 99.4  | 99.8  | 101.3 | 102.9 | 101.7 | 104.0 |
| 77.5°  | 76.4  | 74.0  | 73.9  | 74.4  | 73.1  | 73.3  | 72.9  | 72.6  | 73.3  | 73.4  | 75.5  |
| 80°    | 58.8  | 56.0  | 56.9  | 56.5  | 56.0  | 55.7  | 54.9  | 55.3  | 55.7  | 56.0  | 57.3  |
| 82.5°  | 42.4  | 42.1  | 41.4  | 41.3  | 40.9  | 39.9  | 39.5  | 40.2  | 40.5  | 40.3  | 41.2  |
| 85°    | 21.6  | 20.5  | 21.3  | 20.9  | 21.3  | 20.9  | 19.7  | 19.7  | 20.5  | 20.1  | 20.9  |
| 87.5°  | 11.5  | 11.3  | 10.4  | 10.2  | 9.3   | 9.0   | 8.2   | 8.1   | 7.9   | 7.5   | 7.7   |
| 90°    | 25.0  | 24.2  | 21.3  | 18.4  | 15.5  | 12.5  | 10.0  | 7.8   | 5.5   | 3.2   | 1.0   |
| 92.5°  | 27.3  | 25.9  | 23.6  | 21.4  | 19.2  | 17.1  | 16.3  | 16.9  | 17.5  | 18.1  | 18.8  |
| 95°    | 32.8  | 31.2  | 28.8  | 26.4  | 23.8  | 21.4  | 24.7  | 33.9  | 43.1  | 52.3  | 61.5  |
| 97.5°  | 34.2  | 32.4  | 48.6  | 64.7  | 80.9  | 96.9  | 107.0 | 111.2 | 115.3 | 119.5 | 123.6 |
| 100°   | 35.0  | 33.2  | 68.2  | 103.1 | 138.0 | 173.0 | 188.2 | 183.8 | 179.4 | 174.8 | 170.4 |
| 102.5° | 60.8  | 66.3  | 104.5 | 142.7 | 180.9 | 219.0 | 236.5 | 233.3 | 230.0 | 226.8 | 223.6 |
| 105°   | 181.1 | 220.8 | 241.0 | 261.1 | 281.2 | 301.3 | 310.2 | 307.8 | 305.3 | 302.9 | 300.3 |
| 107.5° | 375.6 | 404.7 | 401.4 | 398.3 | 395.1 | 391.9 | 389.3 | 387.4 | 385.4 | 383.4 | 381.4 |
| 110°   | 447.2 | 454.6 | 452.1 | 449.7 | 447.2 | 444.7 | 442.6 | 440.8 | 439.0 | 437.3 | 435.5 |



TEST NUMBER: P331937-840

CATALOG NUMBER: S123DIP-S560D1025U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 505.5  | 505.4  | 502.9  | 500.5  | 498.1  | 495.5  | 493.5  | 491.9  | 490.3  | 488.7  | 487.1  |
| 115°   | 580.9  | 578.6  | 576.5  | 574.5  | 572.5  | 570.6  | 568.9  | 567.5  | 566.1  | 564.8  | 563.5  |
| 117.5° | 651.4  | 649.5  | 648.5  | 647.5  | 646.4  | 645.4  | 644.1  | 642.5  | 640.8  | 639.1  | 637.4  |
| 120°   | 697.3  | 695.5  | 694.9  | 694.2  | 693.5  | 692.9  | 691.5  | 689.4  | 687.4  | 685.4  | 683.4  |
| 122.5° | 742.8  | 741.4  | 740.6  | 739.8  | 738.9  | 738.1  | 736.8  | 735.2  | 733.5  | 731.8  | 730.2  |
| 125°   | 806.9  | 806.4  | 805.5  | 804.6  | 803.8  | 802.8  | 801.4  | 799.7  | 797.9  | 796.1  | 794.3  |
| 127.5° | 870.0  | 869.3  | 868.2  | 867.2  | 866.1  | 864.9  | 863.5  | 861.7  | 860.0  | 858.2  | 856.4  |
| 130°   | 908.1  | 907.2  | 906.3  | 905.4  | 904.5  | 903.6  | 902.3  | 900.5  | 898.7  | 896.9  | 895.1  |
| 132.5° | 944.4  | 943.5  | 942.8  | 942.0  | 941.3  | 940.6  | 939.4  | 937.6  | 935.7  | 934.0  | 932.2  |
| 135°   | 999.6  | 999.0  | 998.0  | 997.1  | 996.2  | 995.3  | 994.2  | 992.9  | 991.5  | 990.2  | 988.9  |
| 137.5° | 1048.1 | 1047.1 | 1046.6 | 1046.1 | 1045.6 | 1045.1 | 1044.0 | 1042.4 | 1040.7 | 1038.9 | 1037.2 |
| 140°   | 1079.4 | 1078.5 | 1077.9 | 1077.2 | 1076.5 | 1075.9 | 1074.9 | 1073.5 | 1072.2 | 1070.9 | 1069.4 |
| 142.5° | 1109.1 | 1108.4 | 1107.7 | 1107.0 | 1106.4 | 1105.7 | 1104.7 | 1103.4 | 1102.0 | 1100.7 | 1099.3 |
| 145°   | 1150.5 | 1150.1 | 1149.6 | 1149.2 | 1148.8 | 1148.3 | 1147.3 | 1145.8 | 1144.2 | 1142.7 | 1141.0 |
| 147.5° | 1187.5 | 1187.0 | 1186.6 | 1186.1 | 1185.7 | 1185.2 | 1184.5 | 1183.5 | 1182.5 | 1181.4 | 1180.3 |
| 150°   | 1210.0 | 1209.6 | 1209.1 | 1208.7 | 1208.2 | 1207.8 | 1207.2 | 1206.6 | 1205.9 | 1205.3 | 1204.6 |
| 152.5° | 1229.7 | 1228.9 | 1228.7 | 1228.4 | 1228.1 | 1227.9 | 1227.6 | 1227.3 | 1227.0 | 1226.7 | 1226.3 |
| 155°   | 1257.1 | 1256.0 | 1255.8 | 1255.5 | 1255.3 | 1255.1 | 1255.2 | 1255.7 | 1256.1 | 1256.5 | 1257.0 |
| 157.5° | 1280.9 | 1279.5 | 1279.8 | 1280.0 | 1280.2 | 1280.4 | 1280.6 | 1280.6 | 1280.7 | 1280.7 | 1280.7 |
| 160°   | 1294.6 | 1293.2 | 1293.4 | 1293.7 | 1293.9 | 1294.1 | 1294.3 | 1294.6 | 1294.8 | 1295.1 | 1295.3 |
| 162.5° | 1306.9 | 1305.4 | 1305.6 | 1305.8 | 1306.1 | 1306.3 | 1306.7 | 1307.3 | 1307.8 | 1308.4 | 1309.0 |
| 165°   | 1323.2 | 1321.5 | 1321.7 | 1321.9 | 1322.1 | 1322.4 | 1322.8 | 1323.5 | 1324.1 | 1324.8 | 1325.5 |
| 167.5° | 1336.2 | 1334.3 | 1334.3 | 1334.3 | 1334.3 | 1334.3 | 1334.8 | 1335.7 | 1336.7 | 1337.6 | 1338.4 |
| 170°   | 1343.4 | 1341.6 | 1341.6 | 1341.6 | 1341.6 | 1341.6 | 1342.1 | 1343.0 | 1343.9 | 1344.7 | 1345.6 |
| 172.5° | 1348.3 | 1346.5 | 1346.3 | 1346.2 | 1345.9 | 1345.7 | 1346.3 | 1347.3 | 1348.4 | 1349.5 | 1350.5 |
| 175°   | 1354.3 | 1352.7 | 1352.5 | 1352.3 | 1352.0 | 1351.8 | 1352.3 | 1353.4 | 1354.5 | 1355.6 | 1356.8 |
| 177.5° | 1356.6 | 1355.1 | 1354.9 | 1354.8 | 1354.6 | 1354.4 | 1354.8 | 1355.6 | 1356.6 | 1357.5 | 1358.4 |
| 180°   | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 |



TEST NUMBER: P331937-840

CATALOG NUMBER: S123DIP-S560D1025U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 798.3 | 798.3 | 798.3 | 798.3 | 798.3  | 798.3  | 798.3  | 798.3  | 798.3  | 798.3  | 798.3  |
| 2.5°   | 803.2 | 804.8 | 810.0 | 813.7 | 818.1  | 820.6  | 823.0  | 825.0  | 827.4  | 828.0  | 837.0  |
| 5°     | 806.8 | 814.6 | 828.1 | 838.1 | 850.5  | 864.0  | 873.3  | 877.6  | 888.8  | 898.1  | 916.7  |
| 7.5°   | 805.8 | 822.2 | 842.7 | 863.9 | 886.7  | 907.7  | 925.9  | 947.6  | 963.0  | 986.1  | 1009.0 |
| 10°    | 804.9 | 826.9 | 853.2 | 880.3 | 912.0  | 941.4  | 967.8  | 997.1  | 1021.5 | 1053.6 | 1081.1 |
| 12.5°  | 802.1 | 828.8 | 865.3 | 897.3 | 935.8  | 976.3  | 1015.3 | 1053.1 | 1074.7 | 1128.1 | 1153.5 |
| 15°    | 795.2 | 826.9 | 872.5 | 921.3 | 974.3  | 1022.3 | 1071.8 | 1111.2 | 1175.0 | 1221.8 | 1251.6 |
| 17.5°  | 782.0 | 826.5 | 880.6 | 939.4 | 1003.8 | 1067.0 | 1123.1 | 1183.0 | 1250.7 | 1307.3 | 1367.7 |
| 20°    | 775.9 | 824.6 | 884.9 | 949.9 | 1016.8 | 1088.3 | 1152.2 | 1224.2 | 1298.0 | 1353.7 | 1431.1 |
| 22.5°  | 764.5 | 819.6 | 884.6 | 957.0 | 1028.5 | 1102.6 | 1177.3 | 1249.8 | 1335.1 | 1411.9 | 1485.5 |
| 25°    | 745.7 | 807.6 | 874.8 | 955.7 | 1039.7 | 1113.9 | 1203.3 | 1299.6 | 1388.6 | 1487.1 | 1560.6 |
| 27.5°  | 726.1 | 792.1 | 859.6 | 934.7 | 1025.0 | 1113.2 | 1225.6 | 1334.3 | 1443.1 | 1528.3 | 1582.7 |
| 30°    | 710.8 | 775.1 | 844.8 | 920.5 | 1009.9 | 1114.7 | 1240.4 | 1359.1 | 1465.1 | 1538.2 | 1568.7 |
| 32.5°  | 694.5 | 759.6 | 821.2 | 900.7 | 995.9  | 1113.8 | 1249.7 | 1373.6 | 1466.3 | 1515.0 | 1509.0 |
| 35°    | 668.7 | 723.3 | 783.3 | 859.8 | 972.0  | 1106.9 | 1255.1 | 1374.9 | 1431.8 | 1421.4 | 1342.5 |
| 37.5°  | 631.6 | 677.5 | 736.5 | 820.3 | 944.1  | 1092.7 | 1244.3 | 1334.2 | 1330.5 | 1245.5 | 1131.1 |
| 40°    | 608.4 | 647.4 | 704.3 | 792.5 | 922.4  | 1083.4 | 1227.2 | 1285.7 | 1236.2 | 1117.4 | 980.5  |
| 42.5°  | 578.0 | 614.0 | 670.9 | 761.5 | 898.7  | 1064.5 | 1194.8 | 1211.6 | 1114.8 | 978.2  | 852.7  |
| 45°    | 531.1 | 562.8 | 621.6 | 715.2 | 862.9  | 1023.4 | 1115.5 | 1074.1 | 943.7  | 802.5  | 707.0  |
| 47.5°  | 480.5 | 513.5 | 570.1 | 666.2 | 811.2  | 961.6  | 1005.4 | 917.5  | 783.6  | 669.1  | 581.4  |
| 50°    | 448.7 | 480.4 | 535.6 | 632.8 | 776.3  | 910.9  | 929.1  | 815.4  | 692.4  | 591.8  | 519.8  |
| 52.5°  | 416.5 | 446.4 | 500.7 | 598.1 | 735.4  | 852.0  | 840.8  | 725.0  | 611.9  | 526.1  | 469.7  |
| 55°    | 368.6 | 396.9 | 448.7 | 540.0 | 664.9  | 757.3  | 716.7  | 606.1  | 512.5  | 446.0  | 403.0  |
| 57.5°  | 325.8 | 352.8 | 397.5 | 480.0 | 588.5  | 652.1  | 600.5  | 507.3  | 432.8  | 381.6  | 349.6  |
| 60°    | 296.7 | 320.6 | 363.1 | 439.8 | 534.1  | 582.5  | 531.4  | 449.1  | 386.4  | 345.4  | 316.8  |
| 62.5°  | 269.1 | 290.0 | 329.4 | 398.9 | 480.9  | 521.5  | 469.9  | 400.1  | 346.8  | 310.4  | 286.1  |
| 65°    | 227.4 | 246.4 | 281.1 | 335.4 | 402.6  | 429.7  | 385.3  | 328.7  | 287.4  | 260.3  | 244.1  |
| 67.5°  | 189.3 | 205.4 | 235.5 | 278.1 | 327.7  | 347.4  | 313.6  | 269.8  | 238.6  | 216.9  | 204.0  |
| 70°    | 164.0 | 177.9 | 201.5 | 238.2 | 283.2  | 298.2  | 266.5  | 230.6  | 207.7  | 190.3  | 178.3  |
| 72.5°  | 142.6 | 152.9 | 174.3 | 202.7 | 240.1  | 252.1  | 229.9  | 198.3  | 177.0  | 164.0  | 154.5  |
| 75°    | 108.7 | 117.1 | 131.1 | 153.9 | 179.9  | 186.8  | 170.2  | 150.5  | 136.1  | 126.8  | 119.5  |
| 77.5°  | 78.4  | 84.6  | 94.7  | 108.8 | 126.7  | 133.0  | 122.5  | 109.3  | 98.9   | 92.6   | 88.5   |
| 80°    | 59.2  | 64.2  | 72.7  | 84.3  | 95.1   | 98.7   | 92.4   | 82.4   | 75.0   | 71.6   | 68.1   |
| 82.5°  | 43.7  | 46.6  | 51.7  | 59.6  | 67.0   | 71.1   | 65.8   | 59.8   | 55.8   | 52.7   | 51.4   |
| 85°    | 22.0  | 23.6  | 26.0  | 29.0  | 33.6   | 35.2   | 33.2   | 31.7   | 29.4   | 27.5   | 27.5   |
| 87.5°  | 8.7   | 9.2   | 10.5  | 11.6  | 13.3   | 14.8   | 15.1   | 15.0   | 15.3   | 15.2   | 15.1   |
| 90°    | 3.2   | 5.5   | 7.8   | 10.0  | 12.5   | 15.5   | 18.4   | 21.3   | 24.2   | 25.0   | 26.0   |
| 92.5°  | 18.1  | 17.5  | 16.9  | 16.3  | 17.1   | 19.2   | 21.4   | 23.6   | 25.9   | 27.3   | 28.7   |
| 95°    | 52.3  | 43.1  | 33.9  | 24.7  | 21.4   | 23.8   | 26.4   | 28.8   | 31.2   | 32.8   | 34.3   |
| 97.5°  | 119.5 | 115.3 | 111.2 | 107.0 | 96.9   | 80.9   | 64.7   | 48.6   | 32.4   | 34.2   | 36.1   |
| 100°   | 174.8 | 179.4 | 183.8 | 188.2 | 173.0  | 138.0  | 103.1  | 68.2   | 33.2   | 35.0   | 36.9   |
| 102.5° | 226.8 | 230.0 | 233.3 | 236.5 | 219.0  | 180.9  | 142.7  | 104.5  | 66.3   | 60.8   | 55.2   |
| 105°   | 302.9 | 305.3 | 307.8 | 310.2 | 301.3  | 281.2  | 261.1  | 241.0  | 220.8  | 181.1  | 141.5  |
| 107.5° | 383.4 | 385.4 | 387.4 | 389.3 | 391.9  | 395.1  | 398.3  | 401.4  | 404.7  | 375.6  | 346.5  |
| 110°   | 437.3 | 439.0 | 440.8 | 442.6 | 444.7  | 447.2  | 449.7  | 452.1  | 454.6  | 447.2  | 439.8  |





TEST NUMBER: P331937-840

CATALOG NUMBER: S123DIP-S560D1025U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 488.7  | 490.3  | 491.9  | 493.5  | 495.5  | 498.1  | 500.5  | 502.9  | 505.4  | 505.5  | 505.6  |
| 115°   | 564.8  | 566.1  | 567.5  | 568.9  | 570.6  | 572.5  | 574.5  | 576.5  | 578.6  | 580.9  | 583.1  |
| 117.5° | 639.1  | 640.8  | 642.5  | 644.1  | 645.4  | 646.4  | 647.5  | 648.5  | 649.5  | 651.4  | 653.2  |
| 120°   | 685.4  | 687.4  | 689.4  | 691.5  | 692.9  | 693.5  | 694.2  | 694.9  | 695.5  | 697.3  | 699.1  |
| 122.5° | 731.8  | 733.5  | 735.2  | 736.8  | 738.1  | 738.9  | 739.8  | 740.6  | 741.4  | 742.8  | 744.0  |
| 125°   | 796.1  | 797.9  | 799.7  | 801.4  | 802.8  | 803.8  | 804.6  | 805.5  | 806.4  | 806.9  | 807.3  |
| 127.5° | 858.2  | 860.0  | 861.7  | 863.5  | 864.9  | 866.1  | 867.2  | 868.2  | 869.3  | 870.0  | 870.7  |
| 130°   | 896.9  | 898.7  | 900.5  | 902.3  | 903.6  | 904.5  | 905.4  | 906.3  | 907.2  | 908.1  | 909.0  |
| 132.5° | 934.0  | 935.7  | 937.6  | 939.4  | 940.6  | 941.3  | 942.0  | 942.8  | 943.5  | 944.4  | 945.2  |
| 135°   | 990.2  | 991.5  | 992.9  | 994.2  | 995.3  | 996.2  | 997.1  | 998.0  | 999.0  | 999.6  | 1000.3 |
| 137.5° | 1038.9 | 1040.7 | 1042.4 | 1044.0 | 1045.1 | 1045.6 | 1046.1 | 1046.6 | 1047.1 | 1048.1 | 1049.2 |
| 140°   | 1070.9 | 1072.2 | 1073.5 | 1074.9 | 1075.9 | 1076.5 | 1077.2 | 1077.9 | 1078.5 | 1079.4 | 1080.4 |
| 142.5° | 1100.7 | 1102.0 | 1103.4 | 1104.7 | 1105.7 | 1106.4 | 1107.0 | 1107.7 | 1108.4 | 1109.1 | 1109.8 |
| 145°   | 1142.7 | 1144.2 | 1145.8 | 1147.3 | 1148.3 | 1148.8 | 1149.2 | 1149.6 | 1150.1 | 1150.5 | 1151.0 |
| 147.5° | 1181.4 | 1182.5 | 1183.5 | 1184.5 | 1185.2 | 1185.7 | 1186.1 | 1186.6 | 1187.0 | 1187.5 | 1187.9 |
| 150°   | 1205.3 | 1205.9 | 1206.6 | 1207.2 | 1207.8 | 1208.2 | 1208.7 | 1209.1 | 1209.6 | 1210.0 | 1210.5 |
| 152.5° | 1226.7 | 1227.0 | 1227.3 | 1227.6 | 1227.9 | 1228.1 | 1228.4 | 1228.7 | 1228.9 | 1229.7 | 1230.5 |
| 155°   | 1256.5 | 1256.1 | 1255.7 | 1255.2 | 1255.1 | 1255.3 | 1255.5 | 1255.8 | 1256.0 | 1257.1 | 1258.2 |
| 157.5° | 1280.7 | 1280.7 | 1280.6 | 1280.6 | 1280.4 | 1280.2 | 1280.0 | 1279.8 | 1279.5 | 1280.9 | 1282.2 |
| 160°   | 1295.1 | 1294.8 | 1294.6 | 1294.3 | 1294.1 | 1293.9 | 1293.7 | 1293.4 | 1293.2 | 1294.6 | 1296.0 |
| 162.5° | 1308.4 | 1307.8 | 1307.3 | 1306.7 | 1306.3 | 1306.1 | 1305.8 | 1305.6 | 1305.4 | 1306.9 | 1308.4 |
| 165°   | 1324.8 | 1324.1 | 1323.5 | 1322.8 | 1322.4 | 1322.1 | 1321.9 | 1321.7 | 1321.5 | 1323.2 | 1325.0 |
| 167.5° | 1337.6 | 1336.7 | 1335.7 | 1334.8 | 1334.3 | 1334.3 | 1334.3 | 1334.3 | 1334.3 | 1336.2 | 1338.0 |
| 170°   | 1344.7 | 1343.9 | 1343.0 | 1342.1 | 1341.6 | 1341.6 | 1341.6 | 1341.6 | 1341.6 | 1343.4 | 1345.2 |
| 172.5° | 1349.5 | 1348.4 | 1347.3 | 1346.3 | 1345.7 | 1345.9 | 1346.2 | 1346.3 | 1346.5 | 1348.3 | 1350.1 |
| 175°   | 1355.6 | 1354.5 | 1353.4 | 1352.3 | 1351.8 | 1352.0 | 1352.3 | 1352.5 | 1352.7 | 1354.3 | 1355.8 |
| 177.5° | 1357.5 | 1356.6 | 1355.6 | 1354.8 | 1354.4 | 1354.6 | 1354.8 | 1354.9 | 1355.1 | 1356.6 | 1358.0 |
| 180°   | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 |



TEST NUMBER: P331937-840

CATALOG NUMBER: S123DIP-S560D1025U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 798.3  | 798.3  | 798.3  | 798.3  | 798.3  | 798.3  | 798.3  |
| 2.5°   | 840.1  | 840.4  | 843.7  | 846.3  | 845.1  | 846.6  | 847.2  |
| 5°     | 917.8  | 931.7  | 939.1  | 944.5  | 944.9  | 945.2  | 948.4  |
| 7.5°   | 1028.0 | 1043.0 | 1053.9 | 1070.5 | 1075.4 | 1081.1 | 1079.4 |
| 10°    | 1108.5 | 1130.5 | 1149.5 | 1159.5 | 1170.3 | 1186.2 | 1173.5 |
| 12.5°  | 1183.7 | 1222.7 | 1251.6 | 1267.2 | 1277.5 | 1280.6 | 1274.3 |
| 15°    | 1307.7 | 1358.8 | 1386.2 | 1385.4 | 1420.3 | 1435.3 | 1411.7 |
| 17.5°  | 1421.4 | 1468.5 | 1506.2 | 1525.6 | 1554.6 | 1561.0 | 1558.1 |
| 20°    | 1491.0 | 1542.5 | 1571.9 | 1605.1 | 1620.2 | 1633.8 | 1636.1 |
| 22.5°  | 1551.1 | 1597.2 | 1628.8 | 1656.5 | 1669.1 | 1675.5 | 1679.4 |
| 25°    | 1612.9 | 1649.2 | 1668.2 | 1677.8 | 1681.3 | 1680.5 | 1675.5 |
| 27.5°  | 1608.6 | 1611.3 | 1590.5 | 1570.0 | 1551.7 | 1531.0 | 1523.9 |
| 30°    | 1566.8 | 1534.3 | 1476.3 | 1443.4 | 1395.1 | 1356.8 | 1372.3 |
| 32.5°  | 1456.9 | 1392.3 | 1327.2 | 1255.3 | 1195.8 | 1178.9 | 1161.8 |
| 35°    | 1243.4 | 1129.7 | 1063.3 | 985.9  | 954.9  | 924.0  | 902.7  |
| 37.5°  | 1006.0 | 918.1  | 839.1  | 788.5  | 757.5  | 738.0  | 727.4  |
| 40°    | 869.9  | 790.5  | 725.6  | 684.6  | 661.0  | 638.9  | 635.8  |
| 42.5°  | 761.2  | 687.5  | 638.6  | 606.0  | 583.3  | 574.0  | 567.1  |
| 45°    | 623.5  | 572.0  | 539.2  | 515.9  | 500.9  | 495.0  | 487.4  |
| 47.5°  | 527.8  | 491.4  | 466.7  | 450.9  | 439.5  | 435.2  | 434.5  |
| 50°    | 474.2  | 444.0  | 425.9  | 413.4  | 404.6  | 403.0  | 396.9  |
| 52.5°  | 433.9  | 407.8  | 393.6  | 382.8  | 376.4  | 372.0  | 370.2  |
| 55°    | 376.7  | 359.3  | 346.6  | 340.3  | 335.4  | 331.0  | 331.0  |
| 57.5°  | 329.6  | 315.1  | 306.6  | 301.3  | 299.8  | 296.8  | 294.9  |
| 60°    | 300.5  | 288.1  | 281.6  | 276.9  | 273.9  | 274.2  | 270.7  |
| 62.5°  | 272.1  | 264.0  | 257.7  | 253.1  | 249.4  | 249.4  | 249.7  |
| 65°    | 231.7  | 225.5  | 220.9  | 219.3  | 217.0  | 214.3  | 215.0  |
| 67.5°  | 196.3  | 190.6  | 186.9  | 184.3  | 183.5  | 182.0  | 184.3  |
| 70°    | 171.0  | 166.7  | 164.0  | 161.7  | 160.9  | 161.3  | 163.2  |
| 72.5°  | 147.7  | 144.7  | 143.0  | 141.9  | 140.2  | 140.3  | 141.6  |
| 75°    | 116.0  | 113.7  | 112.2  | 111.0  | 110.6  | 110.6  | 110.6  |
| 77.5°  | 85.2   | 84.7   | 84.0   | 82.3   | 82.4   | 82.8   | 82.9   |
| 80°    | 67.3   | 66.1   | 65.7   | 64.9   | 63.8   | 63.0   | 64.9   |
| 82.5°  | 50.3   | 49.1   | 48.8   | 48.6   | 46.8   | 46.7   | 48.3   |
| 85°    | 27.1   | 26.0   | 26.3   | 26.0   | 26.0   | 25.5   | 25.5   |
| 87.5°  | 14.9   | 14.8   | 14.6   | 15.0   | 14.8   | 14.6   | 15.3   |
| 90°    | 26.9   | 27.8   | 28.5   | 28.9   | 29.4   | 29.8   | 30.2   |
| 92.5°  | 30.1   | 31.5   | 32.4   | 32.6   | 32.9   | 33.2   | 33.4   |
| 95°    | 36.0   | 37.6   | 38.3   | 38.3   | 38.3   | 38.3   | 38.3   |
| 97.5°  | 37.9   | 39.6   | 40.6   | 40.9   | 41.1   | 41.3   | 41.5   |
| 100°   | 38.7   | 40.4   | 41.4   | 41.7   | 41.9   | 42.1   | 42.3   |
| 102.5° | 49.7   | 44.1   | 41.5   | 41.9   | 42.3   | 42.7   | 43.1   |
| 105°   | 101.8  | 62.2   | 42.5   | 43.0   | 43.4   | 43.9   | 44.3   |
| 107.5° | 317.4  | 288.3  | 258.8  | 228.9  | 199.0  | 169.2  | 139.3  |
| 110°   | 432.4  | 425.1  | 405.4  | 373.2  | 341.2  | 309.2  | 277.2  |



TEST NUMBER: P331937-840

CATALOG NUMBER: S123DIP-S560D1025U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 505.8  | 505.9  | 502.6  | 495.8  | 489.1  | 482.3  | 475.5  |
| 115°   | 585.3  | 587.5  | 589.2  | 590.0  | 590.9  | 591.8  | 592.7  |
| 117.5° | 654.9  | 656.7  | 657.7  | 657.9  | 658.0  | 658.2  | 658.4  |
| 120°   | 700.8  | 702.7  | 703.6  | 703.6  | 703.6  | 703.6  | 703.6  |
| 122.5° | 745.3  | 746.5  | 747.2  | 747.4  | 747.6  | 747.7  | 747.9  |
| 125°   | 807.7  | 808.2  | 808.6  | 809.1  | 809.5  | 810.0  | 810.4  |
| 127.5° | 871.4  | 872.1  | 872.3  | 871.8  | 871.4  | 870.9  | 870.5  |
| 130°   | 909.9  | 910.8  | 911.0  | 910.6  | 910.1  | 909.7  | 909.2  |
| 132.5° | 946.1  | 947.1  | 947.2  | 946.5  | 945.9  | 945.3  | 944.7  |
| 135°   | 1001.0 | 1001.6 | 1001.6 | 1001.0 | 1000.3 | 999.6  | 999.0  |
| 137.5° | 1050.4 | 1051.4 | 1051.7 | 1051.3 | 1050.9 | 1050.4 | 1050.0 |
| 140°   | 1081.3 | 1082.2 | 1082.4 | 1081.9 | 1081.5 | 1081.1 | 1080.6 |
| 142.5° | 1110.5 | 1111.3 | 1111.3 | 1110.6 | 1110.0 | 1109.4 | 1108.8 |
| 145°   | 1151.4 | 1152.0 | 1152.2 | 1152.2 | 1152.2 | 1152.2 | 1152.2 |
| 147.5° | 1188.3 | 1188.8 | 1188.5 | 1187.5 | 1186.5 | 1185.4 | 1184.4 |
| 150°   | 1210.9 | 1211.4 | 1211.2 | 1210.6 | 1209.9 | 1209.2 | 1208.6 |
| 152.5° | 1231.3 | 1232.1 | 1232.0 | 1231.0 | 1230.0 | 1229.0 | 1227.9 |
| 155°   | 1259.3 | 1260.4 | 1260.3 | 1259.0 | 1257.7 | 1256.3 | 1255.0 |
| 157.5° | 1283.5 | 1285.0 | 1284.8 | 1282.9 | 1281.2 | 1279.5 | 1277.8 |
| 160°   | 1297.3 | 1298.6 | 1298.5 | 1297.0 | 1295.4 | 1293.8 | 1292.2 |
| 162.5° | 1309.9 | 1311.4 | 1311.5 | 1310.1 | 1308.7 | 1307.4 | 1306.0 |
| 165°   | 1326.9 | 1328.7 | 1328.8 | 1327.2 | 1325.6 | 1324.0 | 1322.5 |
| 167.5° | 1339.8 | 1341.5 | 1341.5 | 1339.8 | 1338.0 | 1336.2 | 1334.3 |
| 170°   | 1347.1 | 1348.8 | 1348.8 | 1347.1 | 1345.2 | 1343.4 | 1341.6 |
| 172.5° | 1351.8 | 1353.6 | 1353.5 | 1351.6 | 1349.6 | 1347.7 | 1345.6 |
| 175°   | 1357.5 | 1359.0 | 1358.9 | 1357.1 | 1355.3 | 1353.5 | 1351.7 |
| 177.5° | 1359.5 | 1360.9 | 1360.7 | 1358.9 | 1357.2 | 1355.3 | 1353.5 |
| 180°   | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 |

(END OF REPORT)