

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: P331939-840

Luminaire Tested: **S123DIP-S560D1025U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331939-840  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-17,  
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-A4  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1025 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6159.7 lumens  
Efficiency: N/A  
Efficacy: 138.4 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

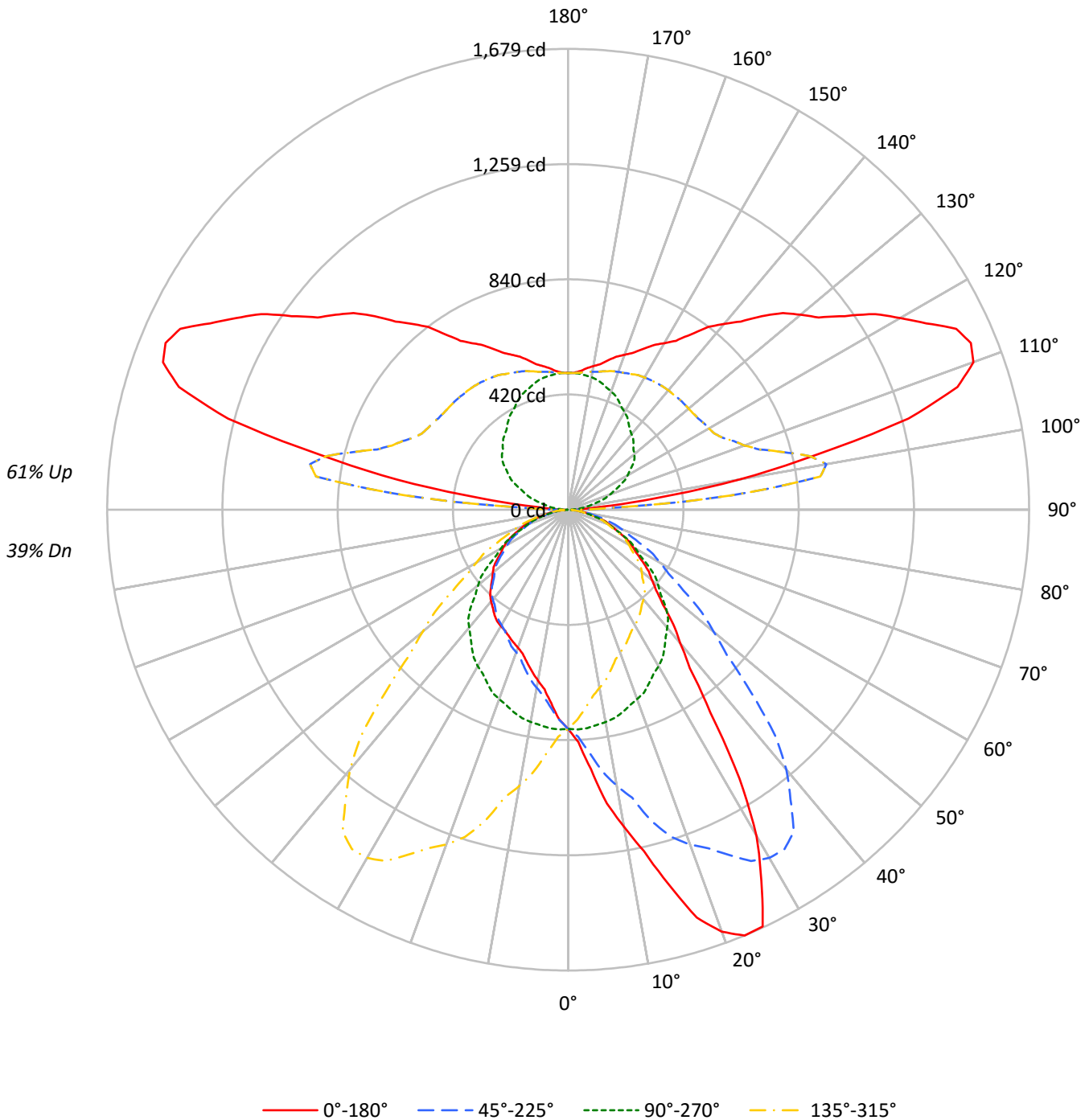
Input Watts (W): 44.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P331939-840

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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   | 105 | 105 | 105 | 105 | 95 | 95 | 95 | 95 | 77 | 77 | 77 | 61 | 61 | 61 | 46 | 46 | 46 | 39 |
| 1   | 96  | 91  | 88  | 84  | 87 | 83 | 80 | 77 | 68 | 66 | 64 | 54 | 53 | 51 | 41 | 40 | 39 | 33 |
| 2   | 87  | 80  | 74  | 69  | 79 | 73 | 68 | 64 | 60 | 56 | 53 | 48 | 45 | 43 | 36 | 35 | 33 | 28 |
| 3   | 80  | 70  | 63  | 58  | 72 | 64 | 58 | 53 | 53 | 48 | 45 | 42 | 39 | 37 | 32 | 30 | 29 | 24 |
| 4   | 73  | 62  | 55  | 49  | 66 | 57 | 50 | 45 | 47 | 42 | 38 | 38 | 34 | 31 | 29 | 27 | 25 | 21 |
| 5   | 67  | 56  | 48  | 42  | 61 | 51 | 44 | 39 | 42 | 37 | 33 | 34 | 30 | 27 | 26 | 24 | 22 | 18 |
| 6   | 62  | 50  | 42  | 36  | 56 | 46 | 39 | 34 | 38 | 33 | 29 | 31 | 27 | 24 | 24 | 21 | 19 | 16 |
| 7   | 57  | 45  | 37  | 32  | 52 | 41 | 34 | 30 | 34 | 29 | 25 | 28 | 24 | 21 | 22 | 19 | 17 | 14 |
| 8   | 53  | 41  | 33  | 28  | 48 | 37 | 31 | 26 | 31 | 26 | 22 | 25 | 22 | 19 | 20 | 17 | 15 | 13 |
| 9   | 49  | 37  | 30  | 25  | 45 | 34 | 28 | 23 | 29 | 24 | 20 | 23 | 20 | 17 | 18 | 16 | 14 | 12 |
| 10  | 46  | 34  | 27  | 22  | 42 | 31 | 25 | 21 | 26 | 21 | 18 | 22 | 18 | 15 | 17 | 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   | 1.3       |
| 10°-20°   | 252.2  | 4.1       |
| 20°-30°   | 423.2  | 6.9       |
| 30°-40°   | 479.2  | 7.8       |
| 40°-50°   | 429.7  | 7.0       |
| 50°-60°   | 346.8  | 5.6       |
| 60°-70°   | 241.7  | 3.9       |
| 70°-80°   | 127.0  | 2.1       |
| 80°-90°   | 34.9   | 0.6       |
| 90°-100°  | 277.1  | 4.5       |
| 100°-110° | 784.7  | 12.7      |
| 110°-120° | 771.9  | 12.5      |
| 120°-130° | 615.7  | 10.0      |
| 130°-140° | 485.5  | 7.9       |
| 140°-150° | 362.3  | 5.9       |
| 150°-160° | 252.5  | 4.1       |
| 160°-170° | 148.4  | 2.4       |
| 170°-180° | 48.3   | 0.8       |
| 0°-30°    | 754.0  | 12.2      |
| 0°-40°    | 1233.2 | 20.0      |
| 0°-60°    | 2009.7 | 32.6      |
| 0°-90°    | 2413.3 | 39.2      |
| 90°-120°  | 1833.8 | 29.8      |
| 90°-150°  | 3297.3 | 53.5      |
| 90°-180°  | 3746.0 | 60.8      |
| 0°-180°   | 6159.7 | 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°  | 29   | 2   | 29   | 2    | 29   | 17   |
| 95°  | 117  | 34  | 117  | 34   | 117  | 211  |
| 105° | 1282 | 117 | 1282 | 117  | 1282 | 1265 |
| 115° | 1559 | 207 | 1559 | 207  | 1559 | 1515 |
| 125° | 1230 | 287 | 1230 | 287  | 1230 | 1115 |
| 135° | 997  | 337 | 997  | 337  | 997  | 773  |
| 145° | 779  | 384 | 779  | 384  | 779  | 496  |
| 155° | 646  | 436 | 646  | 436  | 646  | 301  |
| 165° | 564  | 477 | 564  | 477  | 564  | 161  |
| 175° | 507  | 497 | 507  | 497  | 507  | 49   |
| 180° | 498  | 498 | 498  | 498  | 498  |      |



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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°  | 15.1   | 14.7   | 14.8   | 14.9   | 14.8   | 14.7   | 14.8   | 14.9   | 15.0   | 15.6   | 15.2   |
| 90°    | 29.2   | 30.2   | 29.2   | 28.2   | 29.2   | 27.3   | 26.3   | 25.2   | 24.2   | 25.2   | 22.2   |
| 92.5°  | 48.6   | 50.4   | 49.4   | 52.4   | 54.2   | 59.5   | 67.4   | 84.8   | 116.9  | 155.0  | 170.6  |
| 95°    | 116.9  | 121.0  | 128.1  | 137.1  | 156.2  | 192.6  | 246.0  | 362.8  | 484.8  | 597.7  | 532.2  |
| 97.5°  | 318.3  | 327.0  | 354.3  | 399.6  | 473.9  | 594.5  | 724.6  | 904.6  | 991.1  | 926.3  | 678.2  |
| 100°   | 632.1  | 631.1  | 670.3  | 744.0  | 845.8  | 988.9  | 1106.8 | 1188.5 | 1153.2 | 954.6  | 645.1  |
| 102.5° | 927.2  | 950.4  | 983.2  | 1041.5 | 1120.7 | 1211.4 | 1280.2 | 1282.8 | 1161.2 | 902.2  | 596.7  |
| 105°   | 1282.2 | 1287.3 | 1319.5 | 1357.8 | 1404.2 | 1430.4 | 1411.3 | 1310.4 | 1099.7 | 810.4  | 537.2  |
| 107.5° | 1486.6 | 1495.9 | 1506.8 | 1519.7 | 1518.9 | 1483.0 | 1394.7 | 1231.0 | 992.1  | 729.4  | 499.4  |
| 110°   | 1570.5 | 1572.6 | 1574.6 | 1566.5 | 1538.2 | 1467.6 | 1340.7 | 1155.2 | 924.3  | 683.5  | 484.8  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°   | 45°   | 50°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 112.5° | 1587.4 | 1587.0 | 1579.3 | 1554.4 | 1502.8 | 1412.0 | 1269.7 | 1080.2 | 865.5 | 652.8 | 476.8 |
| 115°   | 1559.4 | 1554.4 | 1534.2 | 1489.9 | 1414.2 | 1304.3 | 1156.2 | 980.8  | 794.4 | 620.0 | 473.7 |
| 117.5° | 1470.3 | 1463.5 | 1434.4 | 1383.6 | 1304.7 | 1193.3 | 1060.3 | 908.9  | 751.3 | 600.6 | 475.5 |
| 120°   | 1396.1 | 1390.1 | 1365.8 | 1309.4 | 1229.8 | 1128.0 | 1007.0 | 870.9  | 728.8 | 591.7 | 478.8 |
| 122.5° | 1326.8 | 1319.1 | 1292.5 | 1241.7 | 1170.9 | 1076.4 | 964.3  | 841.1  | 710.2 | 586.0 | 484.4 |
| 125°   | 1229.8 | 1222.7 | 1197.5 | 1153.2 | 1088.6 | 1008.0 | 911.3  | 801.4  | 686.5 | 578.7 | 492.9 |
| 127.5° | 1149.9 | 1143.5 | 1120.7 | 1082.8 | 1025.3 | 952.0  | 864.6  | 766.7  | 665.5 | 575.0 | 502.6 |
| 130°   | 1104.8 | 1096.7 | 1075.6 | 1039.3 | 985.8  | 917.3  | 835.7  | 745.0  | 654.2 | 572.6 | 509.1 |
| 132.5° | 1060.5 | 1054.8 | 1036.0 | 999.8  | 949.6  | 884.2  | 808.2  | 724.8  | 643.7 | 571.8 | 513.9 |
| 135°   | 996.9  | 989.9  | 971.7  | 941.5  | 892.1  | 834.7  | 769.1  | 697.5  | 630.1 | 570.6 | 521.2 |
| 137.5° | 929.8  | 925.1  | 909.9  | 879.2  | 837.7  | 787.9  | 731.4  | 672.8  | 618.1 | 568.4 | 525.9 |
| 140°   | 883.0  | 884.0  | 867.9  | 839.7  | 801.4  | 758.0  | 709.6  | 658.2  | 610.9 | 567.5 | 529.2 |
| 142.5° | 839.5  | 840.5  | 826.0  | 801.0  | 768.3  | 730.6  | 688.7  | 644.5  | 604.4 | 565.9 | 531.6 |
| 145°   | 779.2  | 777.2  | 769.1  | 747.9  | 722.8  | 693.5  | 661.3  | 628.0  | 595.7 | 563.5 | 533.2 |
| 147.5° | 729.6  | 728.8  | 721.1  | 706.8  | 687.7  | 666.9  | 640.9  | 614.5  | 587.2 | 559.7 | 533.2 |
| 150°   | 700.5  | 700.5  | 694.5  | 683.5  | 668.3  | 649.1  | 628.0  | 604.8  | 581.6 | 556.4 | 533.2 |
| 152.5° | 676.4  | 676.4  | 672.8  | 662.5  | 650.6  | 634.7  | 615.9  | 595.9  | 575.2 | 552.4 | 530.8 |
| 155°   | 646.1  | 645.1  | 643.1  | 635.1  | 626.0  | 613.9  | 598.7  | 582.6  | 565.5 | 545.3 | 528.2 |
| 157.5° | 618.5  | 618.7  | 617.1  | 611.1  | 603.2  | 593.7  | 582.0  | 568.6  | 554.6 | 539.1 | 524.8 |
| 160°   | 600.8  | 601.8  | 601.8  | 595.7  | 588.7  | 581.6  | 571.6  | 560.5  | 547.3 | 534.2 | 523.2 |
| 162.5° | 584.6  | 585.6  | 585.6  | 580.5  | 575.8  | 569.6  | 560.3  | 550.8  | 540.1 | 529.4 | 520.0 |
| 165°   | 563.5  | 563.5  | 564.5  | 560.5  | 556.4  | 551.4  | 544.3  | 538.3  | 530.2 | 522.2 | 515.1 |
| 167.5° | 543.3  | 543.3  | 544.3  | 541.5  | 539.7  | 536.0  | 532.0  | 527.4  | 520.8 | 514.9 | 510.3 |
| 170°   | 531.2  | 531.2  | 532.2  | 530.2  | 529.2  | 527.1  | 523.2  | 520.2  | 515.1 | 510.1 | 507.1 |
| 172.5° | 520.0  | 520.8  | 522.6  | 520.6  | 520.4  | 519.2  | 515.9  | 513.7  | 509.5 | 506.0 | 504.6 |
| 175°   | 507.1  | 508.1  | 509.1  | 508.1  | 508.1  | 508.1  | 506.0  | 505.0  | 503.0 | 501.0 | 501.0 |
| 177.5° | 499.6  | 499.6  | 501.2  | 500.4  | 501.2  | 501.2  | 500.4  | 499.6  | 498.8 | 498.0 | 498.8 |
| 180°   | 498.0  | 498.0  | 498.0  | 498.0  | 498.0  | 498.0  | 498.0  | 498.0  | 498.0 | 498.0 | 498.0 |



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**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°  | 15.2   | 14.9   | 13.4   | 11.8  | 10.8  | 9.3   | 8.9   | 7.9   | 7.6   | 8.0   | 8.3   |
| 90°    | 19.2   | 16.2   | 13.1   | 11.1  | 9.1   | 6.1   | 4.0   | 2.0   | 4.0   | 6.1   | 9.1   |
| 92.5°  | 128.1  | 84.6   | 58.3   | 43.3  | 34.8  | 27.1  | 18.6  | 12.5  | 18.6  | 27.1  | 34.8  |
| 95°    | 366.9  | 216.7  | 131.1  | 91.7  | 65.5  | 48.4  | 37.3  | 34.2  | 37.3  | 48.4  | 65.5  |
| 97.5°  | 402.6  | 233.3  | 151.4  | 108.9 | 83.0  | 68.2  | 59.5  | 58.5  | 59.5  | 68.2  | 83.0  |
| 100°   | 380.0  | 230.9  | 160.3  | 121.0 | 96.7  | 82.7  | 75.6  | 74.6  | 75.6  | 82.7  | 96.7  |
| 102.5° | 360.6  | 234.1  | 170.8  | 134.7 | 112.9 | 99.6  | 93.3  | 91.5  | 93.3  | 99.6  | 112.9 |
| 105°   | 346.8  | 243.0  | 188.5  | 157.2 | 138.1 | 126.0 | 120.0 | 116.9 | 120.0 | 126.0 | 138.1 |
| 107.5° | 345.8  | 259.4  | 211.7  | 182.7 | 164.7 | 152.8 | 146.9 | 143.9 | 146.9 | 152.8 | 164.7 |
| 110°   | 349.8  | 273.2  | 227.8  | 199.5 | 182.5 | 171.4 | 166.3 | 163.3 | 166.3 | 171.4 | 182.5 |





TEST NUMBER: P331939-840

CATALOG NUMBER: S123DIP-S560D1025U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 357.9 | 286.9 | 244.8 | 217.3 | 200.2 | 189.1 | 184.1 | 181.1 | 184.1 | 189.1 | 200.2 |
| 115°   | 370.9 | 309.4 | 271.1 | 244.0 | 226.8 | 216.7 | 210.7 | 206.6 | 210.7 | 216.7 | 226.8 |
| 117.5° | 388.3 | 333.5 | 295.6 | 270.3 | 251.2 | 242.0 | 236.9 | 232.3 | 236.9 | 242.0 | 251.2 |
| 120°   | 401.2 | 348.8 | 312.5 | 287.3 | 268.1 | 258.0 | 253.0 | 249.9 | 253.0 | 258.0 | 268.1 |
| 122.5° | 413.3 | 364.9 | 329.4 | 302.7 | 284.3 | 273.4 | 268.3 | 265.3 | 268.3 | 273.4 | 284.3 |
| 125°   | 432.4 | 388.1 | 352.8 | 325.6 | 306.4 | 295.4 | 289.3 | 287.3 | 289.3 | 295.4 | 306.4 |
| 127.5° | 448.2 | 408.3 | 374.2 | 347.0 | 325.8 | 314.5 | 307.0 | 304.1 | 307.0 | 314.5 | 325.8 |
| 130°   | 458.7 | 420.3 | 387.1 | 359.8 | 338.7 | 326.6 | 317.5 | 314.5 | 317.5 | 326.6 | 338.7 |
| 132.5° | 468.4 | 430.8 | 398.4 | 371.9 | 350.8 | 336.3 | 326.4 | 322.6 | 326.4 | 336.3 | 350.8 |
| 135°   | 480.8 | 446.6 | 415.3 | 388.1 | 366.9 | 351.8 | 340.7 | 336.7 | 340.7 | 351.8 | 366.9 |
| 137.5° | 490.1 | 457.5 | 427.4 | 402.2 | 381.2 | 365.1 | 354.3 | 350.0 | 354.3 | 365.1 | 381.2 |
| 140°   | 494.9 | 464.7 | 435.5 | 410.3 | 390.1 | 374.0 | 363.9 | 358.9 | 363.9 | 374.0 | 390.1 |
| 142.5° | 499.8 | 470.4 | 441.9 | 418.3 | 398.2 | 383.6 | 372.7 | 368.5 | 372.7 | 383.6 | 398.2 |
| 145°   | 505.0 | 477.8 | 451.6 | 428.4 | 411.3 | 396.2 | 387.1 | 384.1 | 387.1 | 396.2 | 411.3 |
| 147.5° | 508.3 | 483.8 | 459.9 | 440.1 | 423.5 | 410.5 | 401.6 | 399.8 | 401.6 | 410.5 | 423.5 |
| 150°   | 509.1 | 487.9 | 464.7 | 446.6 | 432.4 | 419.3 | 411.3 | 410.3 | 411.3 | 419.3 | 432.4 |
| 152.5° | 510.7 | 490.3 | 470.4 | 453.0 | 440.5 | 429.0 | 420.9 | 420.7 | 420.9 | 429.0 | 440.5 |
| 155°   | 511.1 | 494.9 | 477.8 | 463.7 | 452.6 | 442.5 | 436.5 | 436.5 | 436.5 | 442.5 | 452.6 |
| 157.5° | 512.1 | 497.6 | 483.8 | 472.9 | 463.5 | 454.6 | 449.8 | 449.0 | 449.8 | 454.6 | 463.5 |
| 160°   | 512.1 | 500.0 | 487.9 | 477.8 | 470.7 | 462.7 | 458.7 | 458.7 | 458.7 | 462.7 | 470.7 |
| 162.5° | 511.3 | 500.8 | 490.3 | 481.8 | 475.5 | 469.2 | 466.0 | 466.0 | 466.0 | 469.2 | 475.5 |
| 165°   | 509.1 | 502.0 | 493.9 | 486.9 | 482.8 | 477.8 | 475.7 | 476.8 | 475.7 | 477.8 | 482.8 |
| 167.5° | 507.5 | 501.8 | 495.9 | 491.5 | 488.7 | 484.8 | 483.8 | 485.0 | 483.8 | 484.8 | 488.7 |
| 170°   | 505.0 | 501.0 | 495.9 | 493.9 | 491.9 | 488.9 | 487.9 | 489.9 | 487.9 | 488.9 | 491.9 |
| 172.5° | 504.2 | 501.0 | 496.8 | 495.5 | 494.3 | 492.1 | 491.9 | 493.1 | 491.9 | 492.1 | 494.3 |
| 175°   | 502.0 | 500.0 | 498.0 | 497.0 | 497.0 | 494.9 | 495.9 | 497.0 | 495.9 | 494.9 | 497.0 |
| 177.5° | 500.4 | 498.8 | 498.0 | 498.0 | 498.0 | 497.2 | 498.0 | 498.8 | 498.0 | 497.2 | 498.0 |
| 180°   | 498.0 | 498.0 | 498.0 | 498.0 | 498.0 | 498.0 | 498.0 | 498.0 | 498.0 | 498.0 | 498.0 |



TEST NUMBER: P331939-840

CATALOG NUMBER: S123DIP-S560D1025U840-4F0-1E-UDD-A4

**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°  | 8.4   | 9.1   | 9.4   | 10.3  | 10.6  | 11.5  | 11.3   | 10.9   | 11.1   | 12.2   | 11.4   |
| 90°    | 11.1  | 13.1  | 16.2  | 19.2  | 22.2  | 25.2  | 24.2   | 25.2   | 26.3   | 27.3   | 29.2   |
| 92.5°  | 43.3  | 58.3  | 84.6  | 128.1 | 170.6 | 155.0 | 116.9  | 84.8   | 67.4   | 59.5   | 54.2   |
| 95°    | 91.7  | 131.1 | 216.7 | 366.9 | 532.2 | 597.7 | 484.8  | 362.8  | 246.0  | 192.6  | 156.2  |
| 97.5°  | 108.9 | 151.4 | 233.3 | 402.6 | 678.2 | 926.3 | 991.1  | 904.6  | 724.6  | 594.5  | 473.9  |
| 100°   | 121.0 | 160.3 | 230.9 | 380.0 | 645.1 | 954.6 | 1153.2 | 1188.5 | 1106.8 | 988.9  | 845.8  |
| 102.5° | 134.7 | 170.8 | 234.1 | 360.6 | 596.7 | 902.2 | 1161.2 | 1282.8 | 1280.2 | 1211.4 | 1120.7 |
| 105°   | 157.2 | 188.5 | 243.0 | 346.8 | 537.2 | 810.4 | 1099.7 | 1310.4 | 1411.3 | 1430.4 | 1404.2 |
| 107.5° | 182.7 | 211.7 | 259.4 | 345.8 | 499.4 | 729.4 | 992.1  | 1231.0 | 1394.7 | 1483.0 | 1518.9 |
| 110°   | 199.5 | 227.8 | 273.2 | 349.8 | 484.8 | 683.5 | 924.3  | 1155.2 | 1340.7 | 1467.6 | 1538.2 |



TEST NUMBER: P331939-840

CATALOG NUMBER: S123DIP-S560D1025U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°   | 150°   | 155°   | 160°   |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 112.5° | 217.3 | 244.8 | 286.9 | 357.9 | 476.8 | 652.8 | 865.5 | 1080.2 | 1269.7 | 1412.0 | 1502.8 |
| 115°   | 244.0 | 271.1 | 309.4 | 370.9 | 473.7 | 620.0 | 794.4 | 980.8  | 1156.2 | 1304.3 | 1414.2 |
| 117.5° | 270.3 | 295.6 | 333.5 | 388.3 | 475.5 | 600.6 | 751.3 | 908.9  | 1060.3 | 1193.3 | 1304.7 |
| 120°   | 287.3 | 312.5 | 348.8 | 401.2 | 478.8 | 591.7 | 728.8 | 870.9  | 1007.0 | 1128.0 | 1229.8 |
| 122.5° | 302.7 | 329.4 | 364.9 | 413.3 | 484.4 | 586.0 | 710.2 | 841.1  | 964.3  | 1076.4 | 1170.9 |
| 125°   | 325.6 | 352.8 | 388.1 | 432.4 | 492.9 | 578.7 | 686.5 | 801.4  | 911.3  | 1008.0 | 1088.6 |
| 127.5° | 347.0 | 374.2 | 408.3 | 448.2 | 502.6 | 575.0 | 665.5 | 766.7  | 864.6  | 952.0  | 1025.3 |
| 130°   | 359.8 | 387.1 | 420.3 | 458.7 | 509.1 | 572.6 | 654.2 | 745.0  | 835.7  | 917.3  | 985.8  |
| 132.5° | 371.9 | 398.4 | 430.8 | 468.4 | 513.9 | 571.8 | 643.7 | 724.8  | 808.2  | 884.2  | 949.6  |
| 135°   | 388.1 | 415.3 | 446.6 | 480.8 | 521.2 | 570.6 | 630.1 | 697.5  | 769.1  | 834.7  | 892.1  |
| 137.5° | 402.2 | 427.4 | 457.5 | 490.1 | 525.9 | 568.4 | 618.1 | 672.8  | 731.4  | 787.9  | 837.7  |
| 140°   | 410.3 | 435.5 | 464.7 | 494.9 | 529.2 | 567.5 | 610.9 | 658.2  | 709.6  | 758.0  | 801.4  |
| 142.5° | 418.3 | 441.9 | 470.4 | 499.8 | 531.6 | 565.9 | 604.4 | 644.5  | 688.7  | 730.6  | 768.3  |
| 145°   | 428.4 | 451.6 | 477.8 | 505.0 | 533.2 | 563.5 | 595.7 | 628.0  | 661.3  | 693.5  | 722.8  |
| 147.5° | 440.1 | 459.9 | 483.8 | 508.3 | 533.2 | 559.7 | 587.2 | 614.5  | 640.9  | 666.9  | 687.7  |
| 150°   | 446.6 | 464.7 | 487.9 | 509.1 | 533.2 | 556.4 | 581.6 | 604.8  | 628.0  | 649.1  | 668.3  |
| 152.5° | 453.0 | 470.4 | 490.3 | 510.7 | 530.8 | 552.4 | 575.2 | 595.9  | 615.9  | 634.7  | 650.6  |
| 155°   | 463.7 | 477.8 | 494.9 | 511.1 | 528.2 | 545.3 | 565.5 | 582.6  | 598.7  | 613.9  | 626.0  |
| 157.5° | 472.9 | 483.8 | 497.6 | 512.1 | 524.8 | 539.1 | 554.6 | 568.6  | 582.0  | 593.7  | 603.2  |
| 160°   | 477.8 | 487.9 | 500.0 | 512.1 | 523.2 | 534.2 | 547.3 | 560.5  | 571.6  | 581.6  | 588.7  |
| 162.5° | 481.8 | 490.3 | 500.8 | 511.3 | 520.0 | 529.4 | 540.1 | 550.8  | 560.3  | 569.6  | 575.8  |
| 165°   | 486.9 | 493.9 | 502.0 | 509.1 | 515.1 | 522.2 | 530.2 | 538.3  | 544.3  | 551.4  | 556.4  |
| 167.5° | 491.5 | 495.9 | 501.8 | 507.5 | 510.3 | 514.9 | 520.8 | 527.4  | 532.0  | 536.0  | 539.7  |
| 170°   | 493.9 | 495.9 | 501.0 | 505.0 | 507.1 | 510.1 | 515.1 | 520.2  | 523.2  | 527.1  | 529.2  |
| 172.5° | 495.5 | 496.8 | 501.0 | 504.2 | 504.6 | 506.0 | 509.5 | 513.7  | 515.9  | 519.2  | 520.4  |
| 175°   | 497.0 | 498.0 | 500.0 | 502.0 | 501.0 | 501.0 | 503.0 | 505.0  | 506.0  | 508.1  | 508.1  |
| 177.5° | 498.0 | 498.0 | 498.8 | 500.4 | 498.8 | 498.0 | 498.8 | 499.6  | 500.4  | 501.2  | 501.2  |
| 180°   | 498.0 | 498.0 | 498.0 | 498.0 | 498.0 | 498.0 | 498.0 | 498.0  | 498.0  | 498.0  | 498.0  |



TEST NUMBER: P331939-840

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**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°  | 11.2   | 11.4   | 11.3   | 10.8   | 11.3   | 11.4   | 11.2   | 11.4   | 12.2   | 11.1   | 10.9   |
| 90°    | 28.2   | 29.2   | 30.2   | 29.2   | 30.2   | 29.2   | 28.2   | 29.2   | 27.3   | 26.3   | 25.2   |
| 92.5°  | 52.4   | 49.4   | 50.4   | 48.6   | 50.4   | 49.4   | 52.4   | 54.2   | 59.5   | 67.4   | 84.8   |
| 95°    | 137.1  | 128.1  | 121.0  | 116.9  | 121.0  | 128.1  | 137.1  | 156.2  | 192.6  | 246.0  | 362.8  |
| 97.5°  | 399.6  | 354.3  | 327.0  | 318.3  | 327.0  | 354.3  | 399.6  | 473.9  | 594.5  | 724.6  | 904.6  |
| 100°   | 744.0  | 670.3  | 631.1  | 632.1  | 631.1  | 670.3  | 744.0  | 845.8  | 988.9  | 1106.8 | 1188.5 |
| 102.5° | 1041.5 | 983.2  | 950.4  | 927.2  | 950.4  | 983.2  | 1041.5 | 1120.7 | 1211.4 | 1280.2 | 1282.8 |
| 105°   | 1357.8 | 1319.5 | 1287.3 | 1282.2 | 1287.3 | 1319.5 | 1357.8 | 1404.2 | 1430.4 | 1411.3 | 1310.4 |
| 107.5° | 1519.7 | 1506.8 | 1495.9 | 1486.6 | 1495.9 | 1506.8 | 1519.7 | 1518.9 | 1483.0 | 1394.7 | 1231.0 |
| 110°   | 1566.5 | 1574.6 | 1572.6 | 1570.5 | 1572.6 | 1574.6 | 1566.5 | 1538.2 | 1467.6 | 1340.7 | 1155.2 |



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**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1554.4 | 1579.3 | 1587.0 | 1587.4 | 1587.0 | 1579.3 | 1554.4 | 1502.8 | 1412.0 | 1269.7 | 1080.2 |
| 115°   | 1489.9 | 1534.2 | 1554.4 | 1559.4 | 1554.4 | 1534.2 | 1489.9 | 1414.2 | 1304.3 | 1156.2 | 980.8  |
| 117.5° | 1383.6 | 1434.4 | 1463.5 | 1470.3 | 1463.5 | 1434.4 | 1383.6 | 1304.7 | 1193.3 | 1060.3 | 908.9  |
| 120°   | 1309.4 | 1365.8 | 1390.1 | 1396.1 | 1390.1 | 1365.8 | 1309.4 | 1229.8 | 1128.0 | 1007.0 | 870.9  |
| 122.5° | 1241.7 | 1292.5 | 1319.1 | 1326.8 | 1319.1 | 1292.5 | 1241.7 | 1170.9 | 1076.4 | 964.3  | 841.1  |
| 125°   | 1153.2 | 1197.5 | 1222.7 | 1229.8 | 1222.7 | 1197.5 | 1153.2 | 1088.6 | 1008.0 | 911.3  | 801.4  |
| 127.5° | 1082.8 | 1120.7 | 1143.5 | 1149.9 | 1143.5 | 1120.7 | 1082.8 | 1025.3 | 952.0  | 864.6  | 766.7  |
| 130°   | 1039.3 | 1075.6 | 1096.7 | 1104.8 | 1096.7 | 1075.6 | 1039.3 | 985.8  | 917.3  | 835.7  | 745.0  |
| 132.5° | 999.8  | 1036.0 | 1054.8 | 1060.5 | 1054.8 | 1036.0 | 999.8  | 949.6  | 884.2  | 808.2  | 724.8  |
| 135°   | 941.5  | 971.7  | 989.9  | 996.9  | 989.9  | 971.7  | 941.5  | 892.1  | 834.7  | 769.1  | 697.5  |
| 137.5° | 879.2  | 909.9  | 925.1  | 929.8  | 925.1  | 909.9  | 879.2  | 837.7  | 787.9  | 731.4  | 672.8  |
| 140°   | 839.7  | 867.9  | 884.0  | 883.0  | 884.0  | 867.9  | 839.7  | 801.4  | 758.0  | 709.6  | 658.2  |
| 142.5° | 801.0  | 826.0  | 840.5  | 839.5  | 840.5  | 826.0  | 801.0  | 768.3  | 730.6  | 688.7  | 644.5  |
| 145°   | 747.9  | 769.1  | 777.2  | 779.2  | 777.2  | 769.1  | 747.9  | 722.8  | 693.5  | 661.3  | 628.0  |
| 147.5° | 706.8  | 721.1  | 728.8  | 729.6  | 728.8  | 721.1  | 706.8  | 687.7  | 666.9  | 640.9  | 614.5  |
| 150°   | 683.5  | 694.5  | 700.5  | 700.5  | 700.5  | 694.5  | 683.5  | 668.3  | 649.1  | 628.0  | 604.8  |
| 152.5° | 662.5  | 672.8  | 676.4  | 676.4  | 676.4  | 672.8  | 662.5  | 650.6  | 634.7  | 615.9  | 595.9  |
| 155°   | 635.1  | 643.1  | 645.1  | 646.1  | 645.1  | 643.1  | 635.1  | 626.0  | 613.9  | 598.7  | 582.6  |
| 157.5° | 611.1  | 617.1  | 618.7  | 618.5  | 618.7  | 617.1  | 611.1  | 603.2  | 593.7  | 582.0  | 568.6  |
| 160°   | 595.7  | 601.8  | 601.8  | 600.8  | 601.8  | 601.8  | 595.7  | 588.7  | 581.6  | 571.6  | 560.5  |
| 162.5° | 580.5  | 585.6  | 585.6  | 584.6  | 585.6  | 585.6  | 580.5  | 575.8  | 569.6  | 560.3  | 550.8  |
| 165°   | 560.5  | 564.5  | 563.5  | 563.5  | 563.5  | 564.5  | 560.5  | 556.4  | 551.4  | 544.3  | 538.3  |
| 167.5° | 541.5  | 544.3  | 543.3  | 543.3  | 543.3  | 544.3  | 541.5  | 539.7  | 536.0  | 532.0  | 527.4  |
| 170°   | 530.2  | 532.2  | 531.2  | 531.2  | 531.2  | 532.2  | 530.2  | 529.2  | 527.1  | 523.2  | 520.2  |
| 172.5° | 520.6  | 522.6  | 520.8  | 520.0  | 520.8  | 522.6  | 520.6  | 520.4  | 519.2  | 515.9  | 513.7  |
| 175°   | 508.1  | 509.1  | 508.1  | 507.1  | 508.1  | 509.1  | 508.1  | 508.1  | 508.1  | 506.0  | 505.0  |
| 177.5° | 500.4  | 501.2  | 499.6  | 499.6  | 499.6  | 501.2  | 500.4  | 501.2  | 501.2  | 500.4  | 499.6  |
| 180°   | 498.0  | 498.0  | 498.0  | 498.0  | 498.0  | 498.0  | 498.0  | 498.0  | 498.0  | 498.0  | 498.0  |



TEST NUMBER: P331939-840

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**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°  | 11.3   | 11.5  | 10.6  | 10.3  | 9.4   | 9.1   | 8.4   | 8.3   | 8.0   | 7.6   | 7.9   |
| 90°    | 24.2   | 25.2  | 22.2  | 19.2  | 16.2  | 13.1  | 11.1  | 9.1   | 6.1   | 4.0   | 2.0   |
| 92.5°  | 116.9  | 155.0 | 170.6 | 128.1 | 84.6  | 58.3  | 43.3  | 34.8  | 27.1  | 18.6  | 12.5  |
| 95°    | 484.8  | 597.7 | 532.2 | 366.9 | 216.7 | 131.1 | 91.7  | 65.5  | 48.4  | 37.3  | 34.2  |
| 97.5°  | 991.1  | 926.3 | 678.2 | 402.6 | 233.3 | 151.4 | 108.9 | 83.0  | 68.2  | 59.5  | 58.5  |
| 100°   | 1153.2 | 954.6 | 645.1 | 380.0 | 230.9 | 160.3 | 121.0 | 96.7  | 82.7  | 75.6  | 74.6  |
| 102.5° | 1161.2 | 902.2 | 596.7 | 360.6 | 234.1 | 170.8 | 134.7 | 112.9 | 99.6  | 93.3  | 91.5  |
| 105°   | 1099.7 | 810.4 | 537.2 | 346.8 | 243.0 | 188.5 | 157.2 | 138.1 | 126.0 | 120.0 | 116.9 |
| 107.5° | 992.1  | 729.4 | 499.4 | 345.8 | 259.4 | 211.7 | 182.7 | 164.7 | 152.8 | 146.9 | 143.9 |
| 110°   | 924.3  | 683.5 | 484.8 | 349.8 | 273.2 | 227.8 | 199.5 | 182.5 | 171.4 | 166.3 | 163.3 |



TEST NUMBER: P331939-840

CATALOG NUMBER: S123DIP-S560D1025U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 865.5 | 652.8 | 476.8 | 357.9 | 286.9 | 244.8 | 217.3 | 200.2 | 189.1 | 184.1 | 181.1 |
| 115°   | 794.4 | 620.0 | 473.7 | 370.9 | 309.4 | 271.1 | 244.0 | 226.8 | 216.7 | 210.7 | 206.6 |
| 117.5° | 751.3 | 600.6 | 475.5 | 388.3 | 333.5 | 295.6 | 270.3 | 251.2 | 242.0 | 236.9 | 232.3 |
| 120°   | 728.8 | 591.7 | 478.8 | 401.2 | 348.8 | 312.5 | 287.3 | 268.1 | 258.0 | 253.0 | 249.9 |
| 122.5° | 710.2 | 586.0 | 484.4 | 413.3 | 364.9 | 329.4 | 302.7 | 284.3 | 273.4 | 268.3 | 265.3 |
| 125°   | 686.5 | 578.7 | 492.9 | 432.4 | 388.1 | 352.8 | 325.6 | 306.4 | 295.4 | 289.3 | 287.3 |
| 127.5° | 665.5 | 575.0 | 502.6 | 448.2 | 408.3 | 374.2 | 347.0 | 325.8 | 314.5 | 307.0 | 304.1 |
| 130°   | 654.2 | 572.6 | 509.1 | 458.7 | 420.3 | 387.1 | 359.8 | 338.7 | 326.6 | 317.5 | 314.5 |
| 132.5° | 643.7 | 571.8 | 513.9 | 468.4 | 430.8 | 398.4 | 371.9 | 350.8 | 336.3 | 326.4 | 322.6 |
| 135°   | 630.1 | 570.6 | 521.2 | 480.8 | 446.6 | 415.3 | 388.1 | 366.9 | 351.8 | 340.7 | 336.7 |
| 137.5° | 618.1 | 568.4 | 525.9 | 490.1 | 457.5 | 427.4 | 402.2 | 381.2 | 365.1 | 354.3 | 350.0 |
| 140°   | 610.9 | 567.5 | 529.2 | 494.9 | 464.7 | 435.5 | 410.3 | 390.1 | 374.0 | 363.9 | 358.9 |
| 142.5° | 604.4 | 565.9 | 531.6 | 499.8 | 470.4 | 441.9 | 418.3 | 398.2 | 383.6 | 372.7 | 368.5 |
| 145°   | 595.7 | 563.5 | 533.2 | 505.0 | 477.8 | 451.6 | 428.4 | 411.3 | 396.2 | 387.1 | 384.1 |
| 147.5° | 587.2 | 559.7 | 533.2 | 508.3 | 483.8 | 459.9 | 440.1 | 423.5 | 410.5 | 401.6 | 399.8 |
| 150°   | 581.6 | 556.4 | 533.2 | 509.1 | 487.9 | 464.7 | 446.6 | 432.4 | 419.3 | 411.3 | 410.3 |
| 152.5° | 575.2 | 552.4 | 530.8 | 510.7 | 490.3 | 470.4 | 453.0 | 440.5 | 429.0 | 420.9 | 420.7 |
| 155°   | 565.5 | 545.3 | 528.2 | 511.1 | 494.9 | 477.8 | 463.7 | 452.6 | 442.5 | 436.5 | 436.5 |
| 157.5° | 554.6 | 539.1 | 524.8 | 512.1 | 497.6 | 483.8 | 472.9 | 463.5 | 454.6 | 449.8 | 449.0 |
| 160°   | 547.3 | 534.2 | 523.2 | 512.1 | 500.0 | 487.9 | 477.8 | 470.7 | 462.7 | 458.7 | 458.7 |
| 162.5° | 540.1 | 529.4 | 520.0 | 511.3 | 500.8 | 490.3 | 481.8 | 475.5 | 469.2 | 466.0 | 466.0 |
| 165°   | 530.2 | 522.2 | 515.1 | 509.1 | 502.0 | 493.9 | 486.9 | 482.8 | 477.8 | 475.7 | 476.8 |
| 167.5° | 520.8 | 514.9 | 510.3 | 507.5 | 501.8 | 495.9 | 491.5 | 488.7 | 484.8 | 483.8 | 485.0 |
| 170°   | 515.1 | 510.1 | 507.1 | 505.0 | 501.0 | 495.9 | 493.9 | 491.9 | 488.9 | 487.9 | 489.9 |
| 172.5° | 509.5 | 506.0 | 504.6 | 504.2 | 501.0 | 496.8 | 495.5 | 494.3 | 492.1 | 491.9 | 493.1 |
| 175°   | 503.0 | 501.0 | 501.0 | 502.0 | 500.0 | 498.0 | 497.0 | 497.0 | 494.9 | 495.9 | 497.0 |
| 177.5° | 498.8 | 498.0 | 498.8 | 500.4 | 498.8 | 498.0 | 498.0 | 498.0 | 497.2 | 498.0 | 498.8 |
| 180°   | 498.0 | 498.0 | 498.0 | 498.0 | 498.0 | 498.0 | 498.0 | 498.0 | 498.0 | 498.0 | 498.0 |



TEST NUMBER: P331939-840

CATALOG NUMBER: S123DIP-S560D1025U840-4F0-1E-UDD-A4

**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°  | 8.9   | 9.3   | 10.8  | 11.8  | 13.4   | 14.9   | 15.2   | 15.2   | 15.6   | 15.0   | 14.9   |
| 90°    | 4.0   | 6.1   | 9.1   | 11.1  | 13.1   | 16.2   | 19.2   | 22.2   | 25.2   | 24.2   | 25.2   |
| 92.5°  | 18.6  | 27.1  | 34.8  | 43.3  | 58.3   | 84.6   | 128.1  | 170.6  | 155.0  | 116.9  | 84.8   |
| 95°    | 37.3  | 48.4  | 65.5  | 91.7  | 131.1  | 216.7  | 366.9  | 532.2  | 597.7  | 484.8  | 362.8  |
| 97.5°  | 59.5  | 68.2  | 83.0  | 108.9 | 151.4  | 233.3  | 402.6  | 678.2  | 926.3  | 991.1  | 904.6  |
| 100°   | 75.6  | 82.7  | 96.7  | 121.0 | 160.3  | 230.9  | 380.0  | 645.1  | 954.6  | 1153.2 | 1188.5 |
| 102.5° | 93.3  | 99.6  | 112.9 | 134.7 | 170.8  | 234.1  | 360.6  | 596.7  | 902.2  | 1161.2 | 1282.8 |
| 105°   | 120.0 | 126.0 | 138.1 | 157.2 | 188.5  | 243.0  | 346.8  | 537.2  | 810.4  | 1099.7 | 1310.4 |
| 107.5° | 146.9 | 152.8 | 164.7 | 182.7 | 211.7  | 259.4  | 345.8  | 499.4  | 729.4  | 992.1  | 1231.0 |
| 110°   | 166.3 | 171.4 | 182.5 | 199.5 | 227.8  | 273.2  | 349.8  | 484.8  | 683.5  | 924.3  | 1155.2 |





TEST NUMBER: P331939-840

CATALOG NUMBER: S123DIP-S560D1025U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 184.1 | 189.1 | 200.2 | 217.3 | 244.8 | 286.9 | 357.9 | 476.8 | 652.8 | 865.5 | 1080.2 |
| 115°   | 210.7 | 216.7 | 226.8 | 244.0 | 271.1 | 309.4 | 370.9 | 473.7 | 620.0 | 794.4 | 980.8  |
| 117.5° | 236.9 | 242.0 | 251.2 | 270.3 | 295.6 | 333.5 | 388.3 | 475.5 | 600.6 | 751.3 | 908.9  |
| 120°   | 253.0 | 258.0 | 268.1 | 287.3 | 312.5 | 348.8 | 401.2 | 478.8 | 591.7 | 728.8 | 870.9  |
| 122.5° | 268.3 | 273.4 | 284.3 | 302.7 | 329.4 | 364.9 | 413.3 | 484.4 | 586.0 | 710.2 | 841.1  |
| 125°   | 289.3 | 295.4 | 306.4 | 325.6 | 352.8 | 388.1 | 432.4 | 492.9 | 578.7 | 686.5 | 801.4  |
| 127.5° | 307.0 | 314.5 | 325.8 | 347.0 | 374.2 | 408.3 | 448.2 | 502.6 | 575.0 | 665.5 | 766.7  |
| 130°   | 317.5 | 326.6 | 338.7 | 359.8 | 387.1 | 420.3 | 458.7 | 509.1 | 572.6 | 654.2 | 745.0  |
| 132.5° | 326.4 | 336.3 | 350.8 | 371.9 | 398.4 | 430.8 | 468.4 | 513.9 | 571.8 | 643.7 | 724.8  |
| 135°   | 340.7 | 351.8 | 366.9 | 388.1 | 415.3 | 446.6 | 480.8 | 521.2 | 570.6 | 630.1 | 697.5  |
| 137.5° | 354.3 | 365.1 | 381.2 | 402.2 | 427.4 | 457.5 | 490.1 | 525.9 | 568.4 | 618.1 | 672.8  |
| 140°   | 363.9 | 374.0 | 390.1 | 410.3 | 435.5 | 464.7 | 494.9 | 529.2 | 567.5 | 610.9 | 658.2  |
| 142.5° | 372.7 | 383.6 | 398.2 | 418.3 | 441.9 | 470.4 | 499.8 | 531.6 | 565.9 | 604.4 | 644.5  |
| 145°   | 387.1 | 396.2 | 411.3 | 428.4 | 451.6 | 477.8 | 505.0 | 533.2 | 563.5 | 595.7 | 628.0  |
| 147.5° | 401.6 | 410.5 | 423.5 | 440.1 | 459.9 | 483.8 | 508.3 | 533.2 | 559.7 | 587.2 | 614.5  |
| 150°   | 411.3 | 419.3 | 432.4 | 446.6 | 464.7 | 487.9 | 509.1 | 533.2 | 556.4 | 581.6 | 604.8  |
| 152.5° | 420.9 | 429.0 | 440.5 | 453.0 | 470.4 | 490.3 | 510.7 | 530.8 | 552.4 | 575.2 | 595.9  |
| 155°   | 436.5 | 442.5 | 452.6 | 463.7 | 477.8 | 494.9 | 511.1 | 528.2 | 545.3 | 565.5 | 582.6  |
| 157.5° | 449.8 | 454.6 | 463.5 | 472.9 | 483.8 | 497.6 | 512.1 | 524.8 | 539.1 | 554.6 | 568.6  |
| 160°   | 458.7 | 462.7 | 470.7 | 477.8 | 487.9 | 500.0 | 512.1 | 523.2 | 534.2 | 547.3 | 560.5  |
| 162.5° | 466.0 | 469.2 | 475.5 | 481.8 | 490.3 | 500.8 | 511.3 | 520.0 | 529.4 | 540.1 | 550.8  |
| 165°   | 475.7 | 477.8 | 482.8 | 486.9 | 493.9 | 502.0 | 509.1 | 515.1 | 522.2 | 530.2 | 538.3  |
| 167.5° | 483.8 | 484.8 | 488.7 | 491.5 | 495.9 | 501.8 | 507.5 | 510.3 | 514.9 | 520.8 | 527.4  |
| 170°   | 487.9 | 488.9 | 491.9 | 493.9 | 495.9 | 501.0 | 505.0 | 507.1 | 510.1 | 515.1 | 520.2  |
| 172.5° | 491.9 | 492.1 | 494.3 | 495.5 | 496.8 | 501.0 | 504.2 | 504.6 | 506.0 | 509.5 | 513.7  |
| 175°   | 495.9 | 494.9 | 497.0 | 497.0 | 498.0 | 500.0 | 502.0 | 501.0 | 501.0 | 503.0 | 505.0  |
| 177.5° | 498.0 | 497.2 | 498.0 | 498.0 | 498.0 | 498.8 | 500.4 | 498.8 | 498.0 | 498.8 | 499.6  |
| 180°   | 498.0 | 498.0 | 498.0 | 498.0 | 498.0 | 498.0 | 498.0 | 498.0 | 498.0 | 498.0 | 498.0  |



TEST NUMBER: P331939-840

CATALOG NUMBER: S123DIP-S560D1025U840-4F0-1E-UDD-A4

**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°  | 14.8   | 14.7   | 14.8   | 14.9   | 14.8   | 14.7   | 15.1   |
| 90°    | 26.3   | 27.3   | 29.2   | 28.2   | 29.2   | 30.2   | 29.2   |
| 92.5°  | 67.4   | 59.5   | 54.2   | 52.4   | 49.4   | 50.4   | 48.6   |
| 95°    | 246.0  | 192.6  | 156.2  | 137.1  | 128.1  | 121.0  | 116.9  |
| 97.5°  | 724.6  | 594.5  | 473.9  | 399.6  | 354.3  | 327.0  | 318.3  |
| 100°   | 1106.8 | 988.9  | 845.8  | 744.0  | 670.3  | 631.1  | 632.1  |
| 102.5° | 1280.2 | 1211.4 | 1120.7 | 1041.5 | 983.2  | 950.4  | 927.2  |
| 105°   | 1411.3 | 1430.4 | 1404.2 | 1357.8 | 1319.5 | 1287.3 | 1282.2 |
| 107.5° | 1394.7 | 1483.0 | 1518.9 | 1519.7 | 1506.8 | 1495.9 | 1486.6 |
| 110°   | 1340.7 | 1467.6 | 1538.2 | 1566.5 | 1574.6 | 1572.6 | 1570.5 |



TEST NUMBER: P331939-840

CATALOG NUMBER: S123DIP-S560D1025U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1269.7 | 1412.0 | 1502.8 | 1554.4 | 1579.3 | 1587.0 | 1587.4 |
| 115°   | 1156.2 | 1304.3 | 1414.2 | 1489.9 | 1534.2 | 1554.4 | 1559.4 |
| 117.5° | 1060.3 | 1193.3 | 1304.7 | 1383.6 | 1434.4 | 1463.5 | 1470.3 |
| 120°   | 1007.0 | 1128.0 | 1229.8 | 1309.4 | 1365.8 | 1390.1 | 1396.1 |
| 122.5° | 964.3  | 1076.4 | 1170.9 | 1241.7 | 1292.5 | 1319.1 | 1326.8 |
| 125°   | 911.3  | 1008.0 | 1088.6 | 1153.2 | 1197.5 | 1222.7 | 1229.8 |
| 127.5° | 864.6  | 952.0  | 1025.3 | 1082.8 | 1120.7 | 1143.5 | 1149.9 |
| 130°   | 835.7  | 917.3  | 985.8  | 1039.3 | 1075.6 | 1096.7 | 1104.8 |
| 132.5° | 808.2  | 884.2  | 949.6  | 999.8  | 1036.0 | 1054.8 | 1060.5 |
| 135°   | 769.1  | 834.7  | 892.1  | 941.5  | 971.7  | 989.9  | 996.9  |
| 137.5° | 731.4  | 787.9  | 837.7  | 879.2  | 909.9  | 925.1  | 929.8  |
| 140°   | 709.6  | 758.0  | 801.4  | 839.7  | 867.9  | 884.0  | 883.0  |
| 142.5° | 688.7  | 730.6  | 768.3  | 801.0  | 826.0  | 840.5  | 839.5  |
| 145°   | 661.3  | 693.5  | 722.8  | 747.9  | 769.1  | 777.2  | 779.2  |
| 147.5° | 640.9  | 666.9  | 687.7  | 706.8  | 721.1  | 728.8  | 729.6  |
| 150°   | 628.0  | 649.1  | 668.3  | 683.5  | 694.5  | 700.5  | 700.5  |
| 152.5° | 615.9  | 634.7  | 650.6  | 662.5  | 672.8  | 676.4  | 676.4  |
| 155°   | 598.7  | 613.9  | 626.0  | 635.1  | 643.1  | 645.1  | 646.1  |
| 157.5° | 582.0  | 593.7  | 603.2  | 611.1  | 617.1  | 618.7  | 618.5  |
| 160°   | 571.6  | 581.6  | 588.7  | 595.7  | 601.8  | 601.8  | 600.8  |
| 162.5° | 560.3  | 569.6  | 575.8  | 580.5  | 585.6  | 585.6  | 584.6  |
| 165°   | 544.3  | 551.4  | 556.4  | 560.5  | 564.5  | 563.5  | 563.5  |
| 167.5° | 532.0  | 536.0  | 539.7  | 541.5  | 544.3  | 543.3  | 543.3  |
| 170°   | 523.2  | 527.1  | 529.2  | 530.2  | 532.2  | 531.2  | 531.2  |
| 172.5° | 515.9  | 519.2  | 520.4  | 520.6  | 522.6  | 520.8  | 520.0  |
| 175°   | 506.0  | 508.1  | 508.1  | 508.1  | 509.1  | 508.1  | 507.1  |
| 177.5° | 500.4  | 501.2  | 501.2  | 500.4  | 501.2  | 499.6  | 499.6  |
| 180°   | 498.0  | 498.0  | 498.0  | 498.0  | 498.0  | 498.0  | 498.0  |

(END OF REPORT)