

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: P331939-940

Luminaire Tested: **S123DIP-S560D1025U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331939-940
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-S560D1025U940-4F0-1E-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: 5439.0 lumens
Efficiency: N/A
Efficacy: 122.2 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

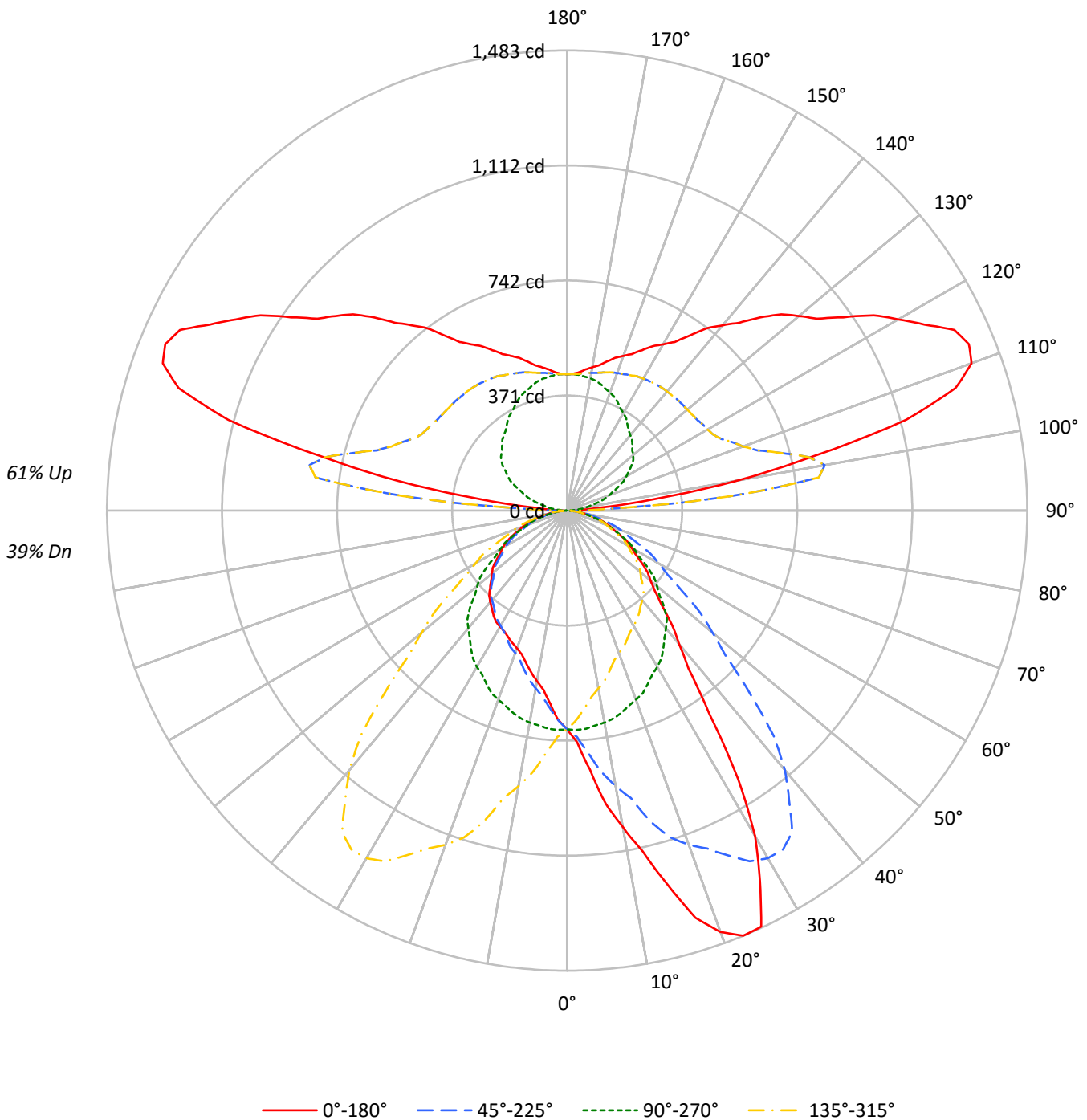
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331939-940

CATALOG NUMBER: S123DIP-S560D1025U940-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P331939-940

CATALOG NUMBER: S123DIP-S560D1025U940-4F0-1E-UDD-A4

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° | 7587 | 7587 | 7587 | 7587 |
| 5° | 9048 | 7621 | 6753 | 7621 |
| 10° | 11326 | 7582 | 6099 | 7582 |
| 15° | 13891 | 7520 | 5678 | 7520 |
| 20° | 16549 | 7425 | 5407 | 7425 |
| 25° | 17570 | 7310 | 5346 | 7310 |
| 30° | 15060 | 7225 | 5374 | 7225 |
| 35° | 10474 | 7104 | 5430 | 7104 |
| 40° | 7888 | 6962 | 5413 | 6962 |
| 45° | 6550 | 6753 | 5345 | 6753 |
| 50° | 5868 | 6325 | 5297 | 6325 |
| 55° | 5485 | 5864 | 5230 | 5864 |
| 60° | 5147 | 5382 | 5175 | 5382 |
| 65° | 4834 | 4905 | 5010 | 4905 |
| 70° | 4535 | 4365 | 4771 | 4365 |
| 75° | 4059 | 3818 | 4375 | 3818 |
| 80° | 3552 | 3137 | 3769 | 3137 |
| 85° | 2791 | 2285 | 2532 | 2285 |



TEST NUMBER: P331939-940

CATALOG NUMBER: S123DIP-S560D1025U940-4F0-1E-UDD-A4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 69.4 | 1.3 |
| 10°-20° | 222.7 | 4.1 |
| 20°-30° | 373.7 | 6.9 |
| 30°-40° | 423.1 | 7.8 |
| 40°-50° | 379.5 | 7.0 |
| 50°-60° | 306.2 | 5.6 |
| 60°-70° | 213.4 | 3.9 |
| 70°-80° | 112.2 | 2.1 |
| 80°-90° | 30.8 | 0.6 |
| 90°-100° | 244.7 | 4.5 |
| 100°-110° | 692.9 | 12.7 |
| 110°-120° | 681.6 | 12.5 |
| 120°-130° | 543.7 | 10.0 |
| 130°-140° | 428.7 | 7.9 |
| 140°-150° | 319.9 | 5.9 |
| 150°-160° | 223.0 | 4.1 |
| 160°-170° | 131.0 | 2.4 |
| 170°-180° | 42.6 | 0.8 |
| 0°-30° | 665.8 | 12.2 |
| 0°-40° | 1088.9 | 20.0 |
| 0°-60° | 1774.6 | 32.6 |
| 0°-90° | 2130.9 | 39.2 |
| 90°-120° | 1619.2 | 29.8 |
| 90°-150° | 2911.5 | 53.5 |
| 90°-180° | 3308.0 | 60.8 |
| 0°-180° | 5439.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|-----|------|------|------|------|
| 0° | 705 | 705 | 705 | 705 | 705 | |
| 5° | 837 | 705 | 625 | 705 | 837 | 87 |
| 15° | 1246 | 675 | 510 | 675 | 1246 | 360 |
| 25° | 1479 | 616 | 450 | 616 | 1479 | 649 |
| 35° | 797 | 541 | 413 | 541 | 797 | 518 |
| 45° | 430 | 444 | 351 | 444 | 430 | 340 |
| 55° | 292 | 312 | 279 | 312 | 292 | 262 |
| 65° | 190 | 193 | 197 | 193 | 190 | 189 |
| 75° | 98 | 92 | 105 | 92 | 98 | 105 |
| 85° | 23 | 18 | 20 | 18 | 23 | 27 |
| 90° | 26 | 2 | 26 | 2 | 26 | 15 |
| 95° | 103 | 30 | 103 | 30 | 103 | 186 |
| 105° | 1132 | 103 | 1132 | 103 | 1132 | 1117 |
| 115° | 1377 | 182 | 1377 | 182 | 1377 | 1338 |
| 125° | 1086 | 254 | 1086 | 254 | 1086 | 984 |
| 135° | 880 | 297 | 880 | 297 | 880 | 683 |
| 145° | 688 | 339 | 688 | 339 | 688 | 438 |
| 155° | 570 | 385 | 570 | 385 | 570 | 266 |
| 165° | 498 | 421 | 498 | 421 | 498 | 142 |
| 175° | 448 | 439 | 448 | 439 | 448 | 43 |
| 180° | 440 | 440 | 440 | 440 | 440 | |



TEST NUMBER: P331939-940

CATALOG NUMBER: S123DIP-S560D1025U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 |
| 2.5° | 748.1 | 747.5 | 746.2 | 747.3 | 745.0 | 742.1 | 741.8 | 739.0 | 731.1 | 730.6 | 728.4 |
| 5° | 837.4 | 834.6 | 834.4 | 834.0 | 829.2 | 822.7 | 810.4 | 809.4 | 793.0 | 784.8 | 774.9 |
| 7.5° | 953.1 | 954.6 | 949.6 | 945.2 | 930.6 | 921.0 | 907.8 | 890.9 | 870.8 | 850.3 | 836.7 |
| 10° | 1036.2 | 1047.4 | 1033.4 | 1023.9 | 1015.0 | 998.3 | 978.8 | 954.6 | 930.3 | 902.0 | 880.5 |
| 12.5° | 1125.2 | 1130.8 | 1128.0 | 1118.9 | 1105.2 | 1079.7 | 1045.2 | 1018.5 | 996.1 | 949.0 | 929.9 |
| 15° | 1246.5 | 1267.4 | 1254.1 | 1223.3 | 1224.1 | 1199.8 | 1154.7 | 1105.2 | 1078.9 | 1037.5 | 981.1 |
| 17.5° | 1375.8 | 1378.4 | 1372.7 | 1347.1 | 1330.0 | 1296.7 | 1255.1 | 1207.6 | 1154.3 | 1104.4 | 1044.6 |
| 20° | 1444.7 | 1442.6 | 1430.7 | 1417.3 | 1387.9 | 1362.0 | 1316.5 | 1263.6 | 1195.3 | 1146.1 | 1080.9 |
| 22.5° | 1482.9 | 1479.4 | 1473.8 | 1462.7 | 1438.2 | 1410.3 | 1369.6 | 1311.7 | 1246.7 | 1178.9 | 1103.6 |
| 25° | 1479.4 | 1483.9 | 1484.6 | 1481.5 | 1473.0 | 1456.3 | 1424.2 | 1378.0 | 1313.1 | 1226.1 | 1147.5 |
| 27.5° | 1345.6 | 1351.8 | 1370.1 | 1386.3 | 1404.4 | 1422.8 | 1420.4 | 1397.5 | 1349.5 | 1274.3 | 1178.2 |
| 30° | 1211.7 | 1198.0 | 1231.9 | 1274.5 | 1303.6 | 1354.8 | 1383.5 | 1385.2 | 1358.3 | 1293.7 | 1200.1 |
| 32.5° | 1025.9 | 1041.0 | 1055.9 | 1108.4 | 1171.9 | 1229.4 | 1286.5 | 1332.5 | 1337.7 | 1294.8 | 1212.9 |
| 35° | 797.1 | 815.9 | 843.2 | 870.6 | 938.9 | 997.6 | 1098.0 | 1185.4 | 1255.1 | 1264.3 | 1214.1 |
| 37.5° | 642.3 | 651.7 | 668.9 | 696.2 | 740.9 | 810.7 | 888.3 | 998.8 | 1099.7 | 1174.8 | 1178.1 |
| 40° | 561.4 | 564.2 | 583.6 | 604.5 | 640.7 | 698.0 | 768.1 | 865.8 | 986.7 | 1091.5 | 1135.2 |
| 42.5° | 500.8 | 506.8 | 515.1 | 535.1 | 563.9 | 607.1 | 672.2 | 753.0 | 863.7 | 984.4 | 1069.9 |
| 45° | 430.3 | 437.1 | 442.3 | 455.6 | 476.1 | 505.1 | 550.5 | 624.3 | 708.6 | 833.3 | 948.4 |
| 47.5° | 383.7 | 384.2 | 388.1 | 398.1 | 412.1 | 433.9 | 466.0 | 513.4 | 590.8 | 691.9 | 810.1 |
| 50° | 350.4 | 355.9 | 357.2 | 365.1 | 376.0 | 392.1 | 418.7 | 459.0 | 522.5 | 611.4 | 720.0 |
| 52.5° | 326.9 | 328.5 | 332.3 | 338.0 | 347.6 | 360.1 | 383.2 | 414.7 | 464.6 | 540.3 | 640.2 |
| 55° | 292.3 | 292.3 | 296.1 | 300.5 | 306.0 | 317.3 | 332.6 | 355.9 | 393.8 | 452.5 | 535.2 |
| 57.5° | 260.4 | 262.1 | 264.7 | 266.1 | 270.7 | 278.2 | 291.1 | 308.7 | 337.0 | 382.2 | 447.9 |
| 60° | 239.1 | 242.1 | 241.8 | 244.5 | 248.6 | 254.4 | 265.4 | 279.7 | 305.0 | 341.2 | 396.5 |
| 62.5° | 220.5 | 220.3 | 220.3 | 223.5 | 227.6 | 233.1 | 240.2 | 252.6 | 274.1 | 306.2 | 353.3 |
| 65° | 189.8 | 189.2 | 191.6 | 193.7 | 195.0 | 199.1 | 204.6 | 215.5 | 229.9 | 253.8 | 290.3 |
| 67.5° | 162.7 | 160.7 | 162.0 | 162.7 | 165.1 | 168.3 | 173.3 | 180.1 | 191.5 | 210.7 | 238.3 |
| 70° | 144.1 | 142.4 | 142.0 | 142.8 | 144.8 | 147.2 | 151.0 | 157.5 | 168.0 | 183.4 | 203.6 |
| 72.5° | 125.0 | 123.9 | 123.8 | 125.3 | 126.3 | 127.8 | 130.5 | 136.4 | 144.8 | 156.3 | 175.1 |
| 75° | 97.6 | 97.6 | 97.6 | 98.0 | 99.1 | 100.4 | 102.5 | 105.5 | 112.0 | 120.2 | 132.9 |
| 77.5° | 73.2 | 73.1 | 72.8 | 72.7 | 74.2 | 74.8 | 75.3 | 78.1 | 81.8 | 87.3 | 96.5 |
| 80° | 57.3 | 55.6 | 56.4 | 57.3 | 58.1 | 58.4 | 59.4 | 60.1 | 63.2 | 66.3 | 72.8 |
| 82.5° | 42.6 | 41.2 | 41.3 | 42.9 | 43.1 | 43.3 | 44.4 | 45.4 | 46.5 | 49.3 | 52.8 |
| 85° | 22.6 | 22.6 | 22.9 | 22.9 | 23.2 | 22.9 | 23.9 | 24.3 | 24.3 | 25.9 | 28.0 |
| 87.5° | 13.4 | 13.0 | 13.1 | 13.2 | 13.1 | 13.0 | 13.1 | 13.2 | 13.3 | 13.7 | 13.5 |
| 90° | 25.8 | 26.7 | 25.8 | 24.9 | 25.8 | 24.1 | 23.2 | 22.3 | 21.4 | 22.3 | 19.6 |
| 92.5° | 42.9 | 44.5 | 43.6 | 46.3 | 47.9 | 52.5 | 59.5 | 74.9 | 103.3 | 136.9 | 150.6 |
| 95° | 103.3 | 106.8 | 113.1 | 121.1 | 137.9 | 170.0 | 217.2 | 320.4 | 428.1 | 527.8 | 469.9 |
| 97.5° | 281.1 | 288.7 | 312.8 | 352.8 | 418.5 | 525.0 | 639.8 | 798.8 | 875.1 | 818.0 | 598.9 |
| 100° | 558.1 | 557.2 | 591.9 | 656.9 | 746.8 | 873.2 | 977.3 | 1049.5 | 1018.2 | 842.9 | 569.6 |
| 102.5° | 818.7 | 839.2 | 868.2 | 919.6 | 989.6 | 1069.7 | 1130.4 | 1132.7 | 1025.4 | 796.7 | 526.9 |
| 105° | 1132.2 | 1136.7 | 1165.1 | 1198.9 | 1239.9 | 1263.0 | 1246.2 | 1157.1 | 971.1 | 715.6 | 474.4 |
| 107.5° | 1312.7 | 1320.9 | 1330.5 | 1341.9 | 1341.2 | 1309.5 | 1231.5 | 1087.0 | 876.0 | 644.1 | 441.0 |
| 110° | 1386.8 | 1388.6 | 1390.4 | 1383.2 | 1358.3 | 1295.9 | 1183.8 | 1020.0 | 816.2 | 603.5 | 428.1 |



TEST NUMBER: P331939-940

CATALOG NUMBER: S123DIP-S560D1025U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 112.5° | 1401.7 | 1401.3 | 1394.5 | 1372.5 | 1327.0 | 1246.8 | 1121.1 | 953.8 | 764.2 | 576.4 | 421.0 |
| 115° | 1377.0 | 1372.5 | 1354.7 | 1315.5 | 1248.8 | 1151.7 | 1020.9 | 866.0 | 701.4 | 547.4 | 418.3 |
| 117.5° | 1298.2 | 1292.3 | 1266.6 | 1221.7 | 1152.1 | 1053.6 | 936.2 | 802.5 | 663.4 | 530.3 | 419.9 |
| 120° | 1232.8 | 1227.4 | 1206.0 | 1156.2 | 1085.9 | 996.0 | 889.2 | 769.0 | 643.5 | 522.5 | 422.8 |
| 122.5° | 1171.5 | 1164.8 | 1141.3 | 1096.4 | 1033.9 | 950.5 | 851.5 | 742.7 | 627.1 | 517.5 | 427.8 |
| 125° | 1085.9 | 1079.7 | 1057.4 | 1018.2 | 961.3 | 890.1 | 804.7 | 707.7 | 606.2 | 511.0 | 435.2 |
| 127.5° | 1015.4 | 1009.7 | 989.6 | 956.1 | 905.4 | 840.6 | 763.5 | 677.0 | 587.6 | 507.7 | 443.8 |
| 130° | 975.5 | 968.4 | 949.8 | 917.7 | 870.5 | 809.9 | 737.9 | 657.8 | 577.7 | 505.6 | 449.5 |
| 132.5° | 936.4 | 931.4 | 914.8 | 882.8 | 838.5 | 780.8 | 713.6 | 640.0 | 568.4 | 504.9 | 453.8 |
| 135° | 880.3 | 874.1 | 858.0 | 831.3 | 787.7 | 737.0 | 679.1 | 615.9 | 556.3 | 503.8 | 460.2 |
| 137.5° | 821.0 | 816.9 | 803.4 | 776.3 | 739.7 | 695.7 | 645.9 | 594.1 | 545.8 | 501.9 | 464.4 |
| 140° | 779.7 | 780.6 | 766.3 | 741.5 | 707.7 | 669.3 | 626.6 | 581.2 | 539.4 | 501.1 | 467.3 |
| 142.5° | 741.3 | 742.2 | 729.3 | 707.3 | 678.4 | 645.2 | 608.1 | 569.1 | 533.7 | 499.7 | 469.4 |
| 145° | 688.0 | 686.3 | 679.1 | 660.4 | 638.2 | 612.3 | 583.9 | 554.6 | 526.0 | 497.6 | 470.8 |
| 147.5° | 644.3 | 643.5 | 636.8 | 624.1 | 607.3 | 588.9 | 565.9 | 542.6 | 518.5 | 494.2 | 470.8 |
| 150° | 618.6 | 618.6 | 613.2 | 603.5 | 590.1 | 573.2 | 554.6 | 534.0 | 513.5 | 491.3 | 470.8 |
| 152.5° | 597.3 | 597.3 | 594.1 | 585.0 | 574.4 | 560.4 | 543.9 | 526.2 | 507.9 | 487.8 | 468.7 |
| 155° | 570.5 | 569.6 | 567.8 | 560.8 | 552.8 | 542.1 | 528.7 | 514.4 | 499.4 | 481.5 | 466.4 |
| 157.5° | 546.2 | 546.4 | 544.9 | 539.6 | 532.6 | 524.2 | 513.9 | 502.0 | 489.7 | 476.0 | 463.4 |
| 160° | 530.5 | 531.4 | 531.4 | 526.0 | 519.8 | 513.5 | 504.7 | 494.9 | 483.3 | 471.7 | 462.0 |
| 162.5° | 516.2 | 517.1 | 517.1 | 512.6 | 508.5 | 502.9 | 494.7 | 486.3 | 476.9 | 467.4 | 459.1 |
| 165° | 497.6 | 497.6 | 498.5 | 494.9 | 491.3 | 486.9 | 480.6 | 475.3 | 468.1 | 461.1 | 454.9 |
| 167.5° | 479.7 | 479.7 | 480.6 | 478.1 | 476.5 | 473.3 | 469.8 | 465.7 | 459.9 | 454.7 | 450.6 |
| 170° | 469.0 | 469.0 | 469.9 | 468.1 | 467.3 | 465.5 | 462.0 | 459.3 | 454.9 | 450.4 | 447.7 |
| 172.5° | 459.1 | 459.9 | 461.5 | 459.7 | 459.5 | 458.4 | 455.6 | 453.6 | 449.9 | 446.8 | 445.6 |
| 175° | 447.7 | 448.6 | 449.5 | 448.6 | 448.6 | 448.6 | 446.8 | 445.9 | 444.2 | 442.4 | 442.4 |
| 177.5° | 441.1 | 441.1 | 442.6 | 441.8 | 442.6 | 442.6 | 441.8 | 441.1 | 440.4 | 439.7 | 440.4 |
| 180° | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 |



TEST NUMBER: P331939-940

CATALOG NUMBER: S123DIP-S560D1025U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 |
| 2.5° | 726.7 | 724.6 | 722.4 | 718.5 | 715.2 | 710.6 | 709.3 | 707.7 | 702.8 | 698.3 | 695.1 |
| 5° | 771.2 | 762.9 | 751.0 | 740.0 | 731.2 | 719.3 | 712.4 | 705.3 | 695.0 | 685.8 | 678.2 |
| 7.5° | 817.6 | 801.5 | 782.9 | 762.9 | 744.1 | 726.0 | 711.5 | 698.6 | 684.2 | 670.6 | 660.0 |
| 10° | 854.5 | 831.3 | 805.3 | 777.3 | 753.4 | 730.1 | 710.7 | 693.7 | 675.2 | 659.2 | 645.8 |
| 12.5° | 896.5 | 862.1 | 826.3 | 792.3 | 764.0 | 731.8 | 708.3 | 686.5 | 665.7 | 646.3 | 631.3 |
| 15° | 946.4 | 902.7 | 860.3 | 813.5 | 770.4 | 730.1 | 702.1 | 674.8 | 650.6 | 630.8 | 611.6 |
| 17.5° | 991.7 | 942.2 | 886.4 | 829.5 | 777.6 | 729.8 | 690.5 | 659.7 | 629.4 | 605.1 | 586.0 |
| 20° | 1017.4 | 961.0 | 897.9 | 838.7 | 781.4 | 728.1 | 685.1 | 648.2 | 615.5 | 589.8 | 568.3 |
| 22.5° | 1039.6 | 973.6 | 908.2 | 845.1 | 781.1 | 723.7 | 675.0 | 637.0 | 601.5 | 576.4 | 553.6 |
| 25° | 1062.5 | 983.6 | 918.0 | 843.9 | 772.5 | 713.1 | 658.4 | 615.5 | 579.9 | 550.5 | 527.0 |
| 27.5° | 1082.2 | 982.9 | 905.1 | 825.4 | 759.0 | 699.5 | 641.1 | 594.9 | 557.2 | 525.3 | 501.4 |
| 30° | 1095.3 | 984.3 | 891.7 | 812.8 | 745.9 | 684.4 | 627.7 | 581.3 | 541.6 | 509.2 | 486.7 |
| 32.5° | 1103.5 | 983.5 | 879.4 | 795.3 | 725.1 | 670.7 | 613.2 | 565.2 | 524.4 | 492.6 | 470.8 |
| 35° | 1108.2 | 977.4 | 858.3 | 759.2 | 691.6 | 638.6 | 590.5 | 540.6 | 497.9 | 468.2 | 443.6 |
| 37.5° | 1098.7 | 964.8 | 833.7 | 724.3 | 650.3 | 598.2 | 557.7 | 515.2 | 474.4 | 441.7 | 420.4 |
| 40° | 1083.6 | 956.6 | 814.5 | 699.8 | 621.9 | 571.7 | 537.3 | 495.5 | 455.2 | 424.2 | 404.4 |
| 42.5° | 1055.0 | 940.0 | 793.5 | 672.4 | 592.4 | 542.2 | 510.4 | 475.6 | 437.5 | 408.3 | 388.5 |
| 45° | 985.0 | 903.7 | 762.0 | 631.5 | 548.8 | 497.0 | 469.0 | 443.6 | 409.1 | 380.8 | 363.7 |
| 47.5° | 887.8 | 849.1 | 716.3 | 588.3 | 503.4 | 453.4 | 424.3 | 403.9 | 378.7 | 355.9 | 339.5 |
| 50° | 820.4 | 804.3 | 685.5 | 558.7 | 473.0 | 424.2 | 396.2 | 377.7 | 359.6 | 336.7 | 321.7 |
| 52.5° | 742.4 | 752.3 | 649.3 | 528.2 | 442.1 | 394.1 | 367.7 | 353.1 | 336.7 | 317.9 | 304.8 |
| 55° | 632.8 | 668.7 | 587.1 | 476.8 | 396.2 | 350.4 | 325.5 | 312.5 | 302.9 | 288.9 | 277.7 |
| 57.5° | 530.2 | 575.8 | 519.7 | 423.8 | 351.0 | 311.6 | 287.7 | 273.5 | 267.3 | 260.0 | 251.2 |
| 60° | 469.2 | 514.3 | 471.6 | 388.3 | 320.7 | 283.1 | 262.0 | 250.0 | 243.9 | 238.7 | 231.2 |
| 62.5° | 414.9 | 460.5 | 424.6 | 352.2 | 290.9 | 256.1 | 237.6 | 226.0 | 221.1 | 218.5 | 212.0 |
| 65° | 340.2 | 379.4 | 355.5 | 296.1 | 248.3 | 217.6 | 200.8 | 192.6 | 188.2 | 187.2 | 183.1 |
| 67.5° | 276.9 | 306.7 | 289.4 | 245.6 | 207.9 | 181.4 | 167.2 | 160.2 | 156.9 | 156.5 | 153.4 |
| 70° | 235.3 | 263.3 | 250.0 | 210.4 | 177.9 | 157.1 | 144.8 | 138.7 | 136.6 | 136.3 | 134.6 |
| 72.5° | 203.0 | 222.6 | 212.0 | 179.0 | 153.9 | 135.0 | 125.9 | 119.5 | 117.2 | 117.7 | 116.5 |
| 75° | 150.3 | 165.0 | 158.8 | 135.9 | 115.7 | 103.4 | 95.9 | 91.8 | 89.8 | 90.9 | 89.4 |
| 77.5° | 108.2 | 117.4 | 111.9 | 96.0 | 83.6 | 74.7 | 69.2 | 66.7 | 64.8 | 64.7 | 64.1 |
| 80° | 81.6 | 87.1 | 84.0 | 74.5 | 64.2 | 56.7 | 52.3 | 50.6 | 49.5 | 49.2 | 48.9 |
| 82.5° | 58.1 | 62.8 | 59.1 | 52.6 | 45.7 | 41.1 | 38.6 | 36.4 | 35.6 | 35.8 | 35.5 |
| 85° | 29.3 | 31.1 | 29.7 | 25.6 | 22.9 | 20.9 | 19.4 | 18.5 | 17.7 | 18.1 | 17.4 |
| 87.5° | 13.5 | 13.2 | 11.9 | 10.4 | 9.5 | 8.2 | 7.8 | 7.0 | 6.7 | 7.0 | 7.3 |
| 90° | 16.9 | 14.3 | 11.6 | 9.8 | 8.0 | 5.4 | 3.6 | 1.8 | 3.6 | 5.4 | 8.0 |
| 92.5° | 113.1 | 74.7 | 51.5 | 38.3 | 30.8 | 23.9 | 16.4 | 11.1 | 16.4 | 23.9 | 30.8 |
| 95° | 324.0 | 191.4 | 115.7 | 81.0 | 57.9 | 42.7 | 32.9 | 30.2 | 32.9 | 42.7 | 57.9 |
| 97.5° | 355.5 | 206.0 | 133.7 | 96.1 | 73.3 | 60.2 | 52.5 | 51.6 | 52.5 | 60.2 | 73.3 |
| 100° | 335.6 | 203.8 | 141.5 | 106.8 | 85.4 | 73.0 | 66.8 | 65.9 | 66.8 | 73.0 | 85.4 |
| 102.5° | 318.4 | 206.7 | 150.8 | 119.0 | 99.7 | 87.9 | 82.4 | 80.8 | 82.4 | 87.9 | 99.7 |
| 105° | 306.2 | 214.5 | 166.5 | 138.8 | 122.0 | 111.3 | 105.9 | 103.3 | 105.9 | 111.3 | 122.0 |
| 107.5° | 305.3 | 229.1 | 186.9 | 161.3 | 145.4 | 134.9 | 129.7 | 127.1 | 129.7 | 134.9 | 145.4 |
| 110° | 308.9 | 241.2 | 201.2 | 176.2 | 161.1 | 151.3 | 146.9 | 144.2 | 146.9 | 151.3 | 161.1 |



TEST NUMBER: P331939-940

CATALOG NUMBER: S123DIP-S560D1025U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 316.0 | 253.3 | 216.2 | 191.9 | 176.7 | 167.0 | 162.6 | 159.9 | 162.6 | 167.0 | 176.7 |
| 115° | 327.5 | 273.2 | 239.4 | 215.4 | 200.3 | 191.4 | 186.0 | 182.4 | 186.0 | 191.4 | 200.3 |
| 117.5° | 342.9 | 294.4 | 261.0 | 238.7 | 221.8 | 213.7 | 209.2 | 205.1 | 209.2 | 213.7 | 221.8 |
| 120° | 354.3 | 308.0 | 275.9 | 253.7 | 236.7 | 227.8 | 223.4 | 220.7 | 223.4 | 227.8 | 236.7 |
| 122.5° | 365.0 | 322.2 | 290.9 | 267.2 | 251.0 | 241.4 | 236.9 | 234.3 | 236.9 | 241.4 | 251.0 |
| 125° | 381.8 | 342.7 | 311.6 | 287.5 | 270.5 | 260.8 | 255.5 | 253.7 | 255.5 | 260.8 | 270.5 |
| 127.5° | 395.7 | 360.5 | 330.4 | 306.4 | 287.7 | 277.7 | 271.1 | 268.5 | 271.1 | 277.7 | 287.7 |
| 130° | 405.0 | 371.1 | 341.8 | 317.7 | 299.1 | 288.4 | 280.4 | 277.7 | 280.4 | 288.4 | 299.1 |
| 132.5° | 413.6 | 380.4 | 351.8 | 328.4 | 309.8 | 296.9 | 288.2 | 284.8 | 288.2 | 296.9 | 309.8 |
| 135° | 424.5 | 394.3 | 366.7 | 342.7 | 324.0 | 310.7 | 300.9 | 297.3 | 300.9 | 310.7 | 324.0 |
| 137.5° | 432.7 | 403.9 | 377.4 | 355.2 | 336.6 | 322.4 | 312.8 | 309.1 | 312.8 | 322.4 | 336.6 |
| 140° | 437.0 | 410.4 | 384.5 | 362.3 | 344.5 | 330.2 | 321.3 | 316.9 | 321.3 | 330.2 | 344.5 |
| 142.5° | 441.3 | 415.4 | 390.2 | 369.3 | 351.6 | 338.8 | 329.1 | 325.4 | 329.1 | 338.8 | 351.6 |
| 145° | 445.9 | 421.9 | 398.8 | 378.3 | 363.2 | 349.8 | 341.8 | 339.1 | 341.8 | 349.8 | 363.2 |
| 147.5° | 448.8 | 427.2 | 406.1 | 388.6 | 374.0 | 362.5 | 354.6 | 353.0 | 354.6 | 362.5 | 374.0 |
| 150° | 449.5 | 430.8 | 410.4 | 394.3 | 381.8 | 370.2 | 363.2 | 362.3 | 363.2 | 370.2 | 381.8 |
| 152.5° | 450.9 | 432.9 | 415.4 | 400.0 | 389.0 | 378.8 | 371.7 | 371.5 | 371.7 | 378.8 | 389.0 |
| 155° | 451.3 | 437.0 | 421.9 | 409.5 | 399.7 | 390.7 | 385.4 | 385.4 | 385.4 | 390.7 | 399.7 |
| 157.5° | 452.2 | 439.3 | 427.2 | 417.6 | 409.3 | 401.4 | 397.2 | 396.5 | 397.2 | 401.4 | 409.3 |
| 160° | 452.2 | 441.5 | 430.8 | 421.9 | 415.6 | 408.6 | 405.0 | 405.0 | 405.0 | 408.6 | 415.6 |
| 162.5° | 451.5 | 442.2 | 432.9 | 425.4 | 419.9 | 414.3 | 411.4 | 411.4 | 411.4 | 414.3 | 419.9 |
| 165° | 449.5 | 443.3 | 436.1 | 429.9 | 426.3 | 421.9 | 420.1 | 421.0 | 420.1 | 421.9 | 426.3 |
| 167.5° | 448.1 | 443.1 | 437.9 | 434.0 | 431.5 | 428.1 | 427.2 | 428.3 | 427.2 | 428.1 | 431.5 |
| 170° | 445.9 | 442.4 | 437.9 | 436.1 | 434.4 | 431.7 | 430.8 | 432.6 | 430.8 | 431.7 | 434.4 |
| 172.5° | 445.2 | 442.4 | 438.6 | 437.6 | 436.5 | 434.5 | 434.4 | 435.4 | 434.4 | 434.5 | 436.5 |
| 175° | 443.3 | 441.5 | 439.7 | 438.8 | 438.8 | 437.0 | 437.9 | 438.8 | 437.9 | 437.0 | 438.8 |
| 177.5° | 441.8 | 440.4 | 439.7 | 439.7 | 439.7 | 439.0 | 439.7 | 440.4 | 439.7 | 439.0 | 439.7 |
| 180° | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 |



TEST NUMBER: P331939-940

CATALOG NUMBER: S123DIP-S560D1025U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 0° | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 |
| 2.5° | 693.1 | 691.3 | 688.5 | 684.4 | 681.1 | 675.9 | 675.9 | 676.7 | 676.7 | 676.5 | 675.9 |
| 5° | 672.1 | 667.0 | 660.8 | 653.7 | 646.1 | 638.6 | 637.3 | 634.5 | 632.5 | 631.2 | 629.5 |
| 7.5° | 649.9 | 640.9 | 631.9 | 621.9 | 612.7 | 605.1 | 599.9 | 595.5 | 592.6 | 589.7 | 587.5 |
| 10° | 634.9 | 623.6 | 613.1 | 602.4 | 590.8 | 581.6 | 575.8 | 571.7 | 568.6 | 565.9 | 564.5 |
| 12.5° | 617.2 | 604.2 | 592.5 | 582.5 | 569.8 | 560.3 | 554.7 | 552.9 | 549.2 | 543.5 | 540.5 |
| 15° | 591.2 | 579.3 | 565.3 | 549.8 | 543.7 | 532.1 | 525.6 | 522.5 | 520.5 | 516.0 | 514.7 |
| 17.5° | 569.0 | 553.3 | 537.6 | 526.1 | 514.7 | 505.3 | 501.7 | 497.8 | 495.2 | 491.5 | 490.4 |
| 20° | 551.3 | 537.3 | 522.9 | 510.6 | 498.6 | 488.4 | 485.3 | 482.6 | 479.8 | 478.1 | 476.8 |
| 22.5° | 533.2 | 519.2 | 507.3 | 495.8 | 483.0 | 476.4 | 473.0 | 470.0 | 468.1 | 466.9 | 465.6 |
| 25° | 507.8 | 495.5 | 482.2 | 472.0 | 461.7 | 457.3 | 455.2 | 453.5 | 452.2 | 450.5 | 450.1 |
| 27.5° | 485.2 | 471.8 | 461.0 | 451.4 | 444.1 | 440.3 | 438.4 | 437.6 | 437.8 | 438.5 | 438.8 |
| 30° | 468.2 | 455.9 | 447.0 | 438.8 | 432.0 | 428.6 | 428.3 | 428.3 | 429.6 | 430.0 | 430.7 |
| 32.5° | 452.6 | 442.6 | 433.6 | 425.7 | 420.5 | 418.2 | 419.5 | 419.5 | 420.6 | 421.5 | 422.8 |
| 35° | 430.0 | 421.1 | 414.3 | 407.4 | 403.0 | 404.0 | 404.7 | 405.4 | 407.1 | 409.1 | 410.5 |
| 37.5° | 408.3 | 400.6 | 393.5 | 388.2 | 386.1 | 388.0 | 389.6 | 391.0 | 393.1 | 394.6 | 395.9 |
| 40° | 392.7 | 386.9 | 380.1 | 375.3 | 376.0 | 377.0 | 378.4 | 380.1 | 381.8 | 382.8 | 384.2 |
| 42.5° | 378.3 | 372.2 | 367.0 | 363.0 | 364.0 | 365.3 | 366.1 | 367.0 | 369.0 | 370.9 | 371.7 |
| 45° | 356.2 | 351.4 | 346.6 | 344.3 | 344.9 | 345.6 | 346.3 | 347.3 | 349.0 | 350.4 | 350.7 |
| 47.5° | 331.4 | 328.1 | 324.9 | 322.5 | 323.6 | 323.3 | 324.2 | 326.5 | 327.0 | 327.8 | 329.7 |
| 50° | 315.6 | 312.5 | 308.7 | 308.1 | 308.1 | 308.1 | 308.4 | 311.1 | 311.1 | 312.5 | 313.9 |
| 52.5° | 298.1 | 296.1 | 293.7 | 292.5 | 291.9 | 291.9 | 293.4 | 294.7 | 295.2 | 297.2 | 298.5 |
| 55° | 272.2 | 270.1 | 268.1 | 267.1 | 266.4 | 267.1 | 269.8 | 270.5 | 272.2 | 273.2 | 274.2 |
| 57.5° | 245.2 | 243.6 | 242.0 | 241.5 | 241.3 | 242.2 | 243.7 | 245.8 | 246.2 | 249.3 | 250.8 |
| 60° | 227.5 | 225.1 | 223.7 | 223.7 | 223.0 | 226.0 | 225.4 | 228.8 | 229.5 | 231.6 | 234.0 |
| 62.5° | 209.1 | 205.9 | 205.4 | 205.4 | 206.3 | 207.2 | 208.2 | 209.7 | 211.5 | 214.1 | 215.9 |
| 65° | 179.7 | 177.9 | 180.3 | 179.9 | 179.3 | 181.4 | 181.4 | 183.1 | 185.1 | 187.5 | 191.3 |
| 67.5° | 151.7 | 150.8 | 151.1 | 151.1 | 152.0 | 153.2 | 154.2 | 155.7 | 158.1 | 160.7 | 163.1 |
| 70° | 132.9 | 133.8 | 132.2 | 133.6 | 134.6 | 134.9 | 135.5 | 137.6 | 140.4 | 142.0 | 144.8 |
| 72.5° | 114.6 | 114.5 | 114.7 | 115.2 | 116.3 | 116.9 | 117.5 | 119.8 | 122.9 | 124.3 | 126.5 |
| 75° | 88.1 | 87.7 | 88.8 | 88.8 | 90.5 | 91.2 | 91.8 | 92.9 | 95.6 | 97.6 | 99.4 |
| 77.5° | 64.4 | 64.7 | 64.6 | 65.7 | 65.3 | 65.4 | 67.5 | 68.5 | 68.8 | 72.9 | 73.7 |
| 80° | 48.5 | 49.2 | 49.5 | 49.8 | 50.2 | 49.5 | 51.9 | 53.0 | 53.0 | 55.3 | 57.1 |
| 82.5° | 34.9 | 35.2 | 36.1 | 36.5 | 36.6 | 37.2 | 37.5 | 38.2 | 39.0 | 40.0 | 42.3 |
| 85° | 17.4 | 18.5 | 18.8 | 18.5 | 18.8 | 18.1 | 19.1 | 19.4 | 19.8 | 19.8 | 19.8 |
| 87.5° | 7.4 | 8.0 | 8.3 | 9.1 | 9.4 | 10.2 | 10.0 | 9.6 | 9.8 | 10.8 | 10.1 |
| 90° | 9.8 | 11.6 | 14.3 | 16.9 | 19.6 | 22.3 | 21.4 | 22.3 | 23.2 | 24.1 | 25.8 |
| 92.5° | 38.3 | 51.5 | 74.7 | 113.1 | 150.6 | 136.9 | 103.3 | 74.9 | 59.5 | 52.5 | 47.9 |
| 95° | 81.0 | 115.7 | 191.4 | 324.0 | 469.9 | 527.8 | 428.1 | 320.4 | 217.2 | 170.0 | 137.9 |
| 97.5° | 96.1 | 133.7 | 206.0 | 355.5 | 598.9 | 818.0 | 875.1 | 798.8 | 639.8 | 525.0 | 418.5 |
| 100° | 106.8 | 141.5 | 203.8 | 335.6 | 569.6 | 842.9 | 1018.2 | 1049.5 | 977.3 | 873.2 | 746.8 |
| 102.5° | 119.0 | 150.8 | 206.7 | 318.4 | 526.9 | 796.7 | 1025.4 | 1132.7 | 1130.4 | 1069.7 | 989.6 |
| 105° | 138.8 | 166.5 | 214.5 | 306.2 | 474.4 | 715.6 | 971.1 | 1157.1 | 1246.2 | 1263.0 | 1239.9 |
| 107.5° | 161.3 | 186.9 | 229.1 | 305.3 | 441.0 | 644.1 | 876.0 | 1087.0 | 1231.5 | 1309.5 | 1341.2 |
| 110° | 176.2 | 201.2 | 241.2 | 308.9 | 428.1 | 603.5 | 816.2 | 1020.0 | 1183.8 | 1295.9 | 1358.3 |



TEST NUMBER: P331939-940

CATALOG NUMBER: S123DIP-S560D1025U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 112.5° | 191.9 | 216.2 | 253.3 | 316.0 | 421.0 | 576.4 | 764.2 | 953.8 | 1121.1 | 1246.8 | 1327.0 |
| 115° | 215.4 | 239.4 | 273.2 | 327.5 | 418.3 | 547.4 | 701.4 | 866.0 | 1020.9 | 1151.7 | 1248.8 |
| 117.5° | 238.7 | 261.0 | 294.4 | 342.9 | 419.9 | 530.3 | 663.4 | 802.5 | 936.2 | 1053.6 | 1152.1 |
| 120° | 253.7 | 275.9 | 308.0 | 354.3 | 422.8 | 522.5 | 643.5 | 769.0 | 889.2 | 996.0 | 1085.9 |
| 122.5° | 267.2 | 290.9 | 322.2 | 365.0 | 427.8 | 517.5 | 627.1 | 742.7 | 851.5 | 950.5 | 1033.9 |
| 125° | 287.5 | 311.6 | 342.7 | 381.8 | 435.2 | 511.0 | 606.2 | 707.7 | 804.7 | 890.1 | 961.3 |
| 127.5° | 306.4 | 330.4 | 360.5 | 395.7 | 443.8 | 507.7 | 587.6 | 677.0 | 763.5 | 840.6 | 905.4 |
| 130° | 317.7 | 341.8 | 371.1 | 405.0 | 449.5 | 505.6 | 577.7 | 657.8 | 737.9 | 809.9 | 870.5 |
| 132.5° | 328.4 | 351.8 | 380.4 | 413.6 | 453.8 | 504.9 | 568.4 | 640.0 | 713.6 | 780.8 | 838.5 |
| 135° | 342.7 | 366.7 | 394.3 | 424.5 | 460.2 | 503.8 | 556.3 | 615.9 | 679.1 | 737.0 | 787.7 |
| 137.5° | 355.2 | 377.4 | 403.9 | 432.7 | 464.4 | 501.9 | 545.8 | 594.1 | 645.9 | 695.7 | 739.7 |
| 140° | 362.3 | 384.5 | 410.4 | 437.0 | 467.3 | 501.1 | 539.4 | 581.2 | 626.6 | 669.3 | 707.7 |
| 142.5° | 369.3 | 390.2 | 415.4 | 441.3 | 469.4 | 499.7 | 533.7 | 569.1 | 608.1 | 645.2 | 678.4 |
| 145° | 378.3 | 398.8 | 421.9 | 445.9 | 470.8 | 497.6 | 526.0 | 554.6 | 583.9 | 612.3 | 638.2 |
| 147.5° | 388.6 | 406.1 | 427.2 | 448.8 | 470.8 | 494.2 | 518.5 | 542.6 | 565.9 | 588.9 | 607.3 |
| 150° | 394.3 | 410.4 | 430.8 | 449.5 | 470.8 | 491.3 | 513.5 | 534.0 | 554.6 | 573.2 | 590.1 |
| 152.5° | 400.0 | 415.4 | 432.9 | 450.9 | 468.7 | 487.8 | 507.9 | 526.2 | 543.9 | 560.4 | 574.4 |
| 155° | 409.5 | 421.9 | 437.0 | 451.3 | 466.4 | 481.5 | 499.4 | 514.4 | 528.7 | 542.1 | 552.8 |
| 157.5° | 417.6 | 427.2 | 439.3 | 452.2 | 463.4 | 476.0 | 489.7 | 502.0 | 513.9 | 524.2 | 532.6 |
| 160° | 421.9 | 430.8 | 441.5 | 452.2 | 462.0 | 471.7 | 483.3 | 494.9 | 504.7 | 513.5 | 519.8 |
| 162.5° | 425.4 | 432.9 | 442.2 | 451.5 | 459.1 | 467.4 | 476.9 | 486.3 | 494.7 | 502.9 | 508.5 |
| 165° | 429.9 | 436.1 | 443.3 | 449.5 | 454.9 | 461.1 | 468.1 | 475.3 | 480.6 | 486.9 | 491.3 |
| 167.5° | 434.0 | 437.9 | 443.1 | 448.1 | 450.6 | 454.7 | 459.9 | 465.7 | 469.8 | 473.3 | 476.5 |
| 170° | 436.1 | 437.9 | 442.4 | 445.9 | 447.7 | 450.4 | 454.9 | 459.3 | 462.0 | 465.5 | 467.3 |
| 172.5° | 437.6 | 438.6 | 442.4 | 445.2 | 445.6 | 446.8 | 449.9 | 453.6 | 455.6 | 458.4 | 459.5 |
| 175° | 438.8 | 439.7 | 441.5 | 443.3 | 442.4 | 442.4 | 444.2 | 445.9 | 446.8 | 448.6 | 448.6 |
| 177.5° | 439.7 | 439.7 | 440.4 | 441.8 | 440.4 | 439.7 | 440.4 | 441.1 | 441.8 | 442.6 | 442.6 |
| 180° | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 |



TEST NUMBER: P331939-940

CATALOG NUMBER: S123DIP-S560D1025U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 |
| 2.5° | 674.0 | 673.8 | 675.6 | 674.3 | 675.6 | 673.8 | 674.0 | 675.9 | 676.5 | 676.7 | 676.7 |
| 5° | 627.4 | 628.4 | 625.0 | 625.0 | 625.0 | 628.4 | 627.4 | 629.5 | 631.2 | 632.5 | 634.5 |
| 7.5° | 585.9 | 584.3 | 584.5 | 582.6 | 584.5 | 584.3 | 585.9 | 587.5 | 589.7 | 592.6 | 595.5 |
| 10° | 560.4 | 558.4 | 557.7 | 558.0 | 557.7 | 558.4 | 560.4 | 564.5 | 565.9 | 568.6 | 571.7 |
| 12.5° | 539.4 | 539.0 | 534.5 | 534.6 | 534.5 | 539.0 | 539.4 | 540.5 | 543.5 | 549.2 | 552.9 |
| 15° | 514.7 | 508.2 | 507.5 | 509.5 | 507.5 | 508.2 | 514.7 | 514.7 | 516.0 | 520.5 | 522.5 |
| 17.5° | 489.9 | 486.4 | 486.7 | 485.6 | 486.7 | 486.4 | 489.9 | 490.4 | 491.5 | 495.2 | 497.8 |
| 20° | 476.8 | 474.7 | 474.4 | 472.0 | 474.4 | 474.7 | 476.8 | 476.8 | 478.1 | 479.8 | 482.6 |
| 22.5° | 464.8 | 464.0 | 464.2 | 461.6 | 464.2 | 464.0 | 464.8 | 465.6 | 466.9 | 468.1 | 470.0 |
| 25° | 449.8 | 451.5 | 450.1 | 450.1 | 450.1 | 451.5 | 449.8 | 450.1 | 450.5 | 452.2 | 453.5 |
| 27.5° | 439.7 | 439.6 | 438.9 | 438.9 | 438.9 | 439.6 | 439.7 | 438.8 | 438.5 | 437.8 | 437.6 |
| 30° | 432.0 | 431.7 | 432.4 | 432.4 | 432.4 | 431.7 | 432.0 | 430.7 | 430.0 | 429.6 | 428.3 |
| 32.5° | 424.4 | 424.8 | 425.0 | 425.3 | 425.0 | 424.8 | 424.4 | 422.8 | 421.5 | 420.6 | 419.5 |
| 35° | 412.6 | 412.9 | 413.9 | 413.2 | 413.9 | 412.9 | 412.6 | 410.5 | 409.1 | 407.1 | 405.4 |
| 37.5° | 396.5 | 398.1 | 397.8 | 398.3 | 397.8 | 398.1 | 396.5 | 395.9 | 394.6 | 393.1 | 391.0 |
| 40° | 384.6 | 385.6 | 385.2 | 385.2 | 385.2 | 385.6 | 384.6 | 384.2 | 382.8 | 381.8 | 380.1 |
| 42.5° | 372.3 | 373.0 | 372.1 | 371.6 | 372.1 | 373.0 | 372.3 | 371.7 | 370.9 | 369.0 | 367.0 |
| 45° | 352.1 | 351.4 | 352.5 | 351.1 | 352.5 | 351.4 | 352.1 | 350.7 | 350.4 | 349.0 | 347.3 |
| 47.5° | 329.6 | 330.3 | 330.6 | 331.5 | 330.6 | 330.3 | 329.6 | 329.7 | 327.8 | 327.0 | 326.5 |
| 50° | 314.5 | 316.6 | 316.6 | 316.3 | 316.6 | 316.6 | 314.5 | 313.9 | 312.5 | 311.1 | 311.1 |
| 52.5° | 299.8 | 300.8 | 302.1 | 302.0 | 302.1 | 300.8 | 299.8 | 298.5 | 297.2 | 295.2 | 294.7 |
| 55° | 277.0 | 277.7 | 278.3 | 278.7 | 278.3 | 277.7 | 277.0 | 274.2 | 273.2 | 272.2 | 270.5 |
| 57.5° | 253.3 | 253.1 | 254.7 | 255.2 | 254.7 | 253.1 | 253.3 | 250.8 | 249.3 | 246.2 | 245.8 |
| 60° | 236.7 | 236.7 | 239.4 | 240.4 | 239.4 | 236.7 | 236.7 | 234.0 | 231.6 | 229.5 | 228.8 |
| 62.5° | 218.9 | 220.0 | 222.7 | 221.3 | 222.7 | 220.0 | 218.9 | 215.9 | 214.1 | 211.5 | 209.7 |
| 65° | 193.0 | 195.7 | 195.4 | 196.7 | 195.4 | 195.7 | 193.0 | 191.3 | 187.5 | 185.1 | 183.1 |
| 67.5° | 165.9 | 167.6 | 170.0 | 170.2 | 170.0 | 167.6 | 165.9 | 163.1 | 160.7 | 158.1 | 155.7 |
| 70° | 147.6 | 149.3 | 150.6 | 151.6 | 150.6 | 149.3 | 147.6 | 144.8 | 142.0 | 140.4 | 137.6 |
| 72.5° | 129.7 | 130.6 | 133.9 | 132.5 | 133.9 | 130.6 | 129.7 | 126.5 | 124.3 | 122.9 | 119.8 |
| 75° | 101.7 | 104.2 | 106.2 | 105.2 | 106.2 | 104.2 | 101.7 | 99.4 | 97.6 | 95.6 | 92.9 |
| 77.5° | 75.3 | 77.7 | 78.6 | 77.8 | 78.6 | 77.7 | 75.3 | 73.7 | 72.9 | 68.8 | 68.5 |
| 80° | 59.4 | 59.1 | 61.2 | 60.8 | 61.2 | 59.1 | 59.4 | 57.1 | 55.3 | 53.0 | 53.0 |
| 82.5° | 43.6 | 43.2 | 44.2 | 44.4 | 44.2 | 43.2 | 43.6 | 42.3 | 40.0 | 39.0 | 38.2 |
| 85° | 21.1 | 22.2 | 20.9 | 20.5 | 20.9 | 22.2 | 21.1 | 19.8 | 19.8 | 19.8 | 19.4 |
| 87.5° | 9.9 | 10.1 | 10.0 | 9.5 | 10.0 | 10.1 | 9.9 | 10.1 | 10.8 | 9.8 | 9.6 |
| 90° | 24.9 | 25.8 | 26.7 | 25.8 | 26.7 | 25.8 | 24.9 | 25.8 | 24.1 | 23.2 | 22.3 |
| 92.5° | 46.3 | 43.6 | 44.5 | 42.9 | 44.5 | 43.6 | 46.3 | 47.9 | 52.5 | 59.5 | 74.9 |
| 95° | 121.1 | 113.1 | 106.8 | 103.3 | 106.8 | 113.1 | 121.1 | 137.9 | 170.0 | 217.2 | 320.4 |
| 97.5° | 352.8 | 312.8 | 288.7 | 281.1 | 288.7 | 312.8 | 352.8 | 418.5 | 525.0 | 639.8 | 798.8 |
| 100° | 656.9 | 591.9 | 557.2 | 558.1 | 557.2 | 591.9 | 656.9 | 746.8 | 873.2 | 977.3 | 1049.5 |
| 102.5° | 919.6 | 868.2 | 839.2 | 818.7 | 839.2 | 868.2 | 919.6 | 989.6 | 1069.7 | 1130.4 | 1132.7 |
| 105° | 1198.9 | 1165.1 | 1136.7 | 1132.2 | 1136.7 | 1165.1 | 1198.9 | 1239.9 | 1263.0 | 1246.2 | 1157.1 |
| 107.5° | 1341.9 | 1330.5 | 1320.9 | 1312.7 | 1320.9 | 1330.5 | 1341.9 | 1341.2 | 1309.5 | 1231.5 | 1087.0 |
| 110° | 1383.2 | 1390.4 | 1388.6 | 1386.8 | 1388.6 | 1390.4 | 1383.2 | 1358.3 | 1295.9 | 1183.8 | 1020.0 |



TEST NUMBER: P331939-940

CATALOG NUMBER: S123DIP-S560D1025U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 112.5° | 1372.5 | 1394.5 | 1401.3 | 1401.7 | 1401.3 | 1394.5 | 1372.5 | 1327.0 | 1246.8 | 1121.1 | 953.8 |
| 115° | 1315.5 | 1354.7 | 1372.5 | 1377.0 | 1372.5 | 1354.7 | 1315.5 | 1248.8 | 1151.7 | 1020.9 | 866.0 |
| 117.5° | 1221.7 | 1266.6 | 1292.3 | 1298.2 | 1292.3 | 1266.6 | 1221.7 | 1152.1 | 1053.6 | 936.2 | 802.5 |
| 120° | 1156.2 | 1206.0 | 1227.4 | 1232.8 | 1227.4 | 1206.0 | 1156.2 | 1085.9 | 996.0 | 889.2 | 769.0 |
| 122.5° | 1096.4 | 1141.3 | 1164.8 | 1171.5 | 1164.8 | 1141.3 | 1096.4 | 1033.9 | 950.5 | 851.5 | 742.7 |
| 125° | 1018.2 | 1057.4 | 1079.7 | 1085.9 | 1079.7 | 1057.4 | 1018.2 | 961.3 | 890.1 | 804.7 | 707.7 |
| 127.5° | 956.1 | 989.6 | 1009.7 | 1015.4 | 1009.7 | 989.6 | 956.1 | 905.4 | 840.6 | 763.5 | 677.0 |
| 130° | 917.7 | 949.8 | 968.4 | 975.5 | 968.4 | 949.8 | 917.7 | 870.5 | 809.9 | 737.9 | 657.8 |
| 132.5° | 882.8 | 914.8 | 931.4 | 936.4 | 931.4 | 914.8 | 882.8 | 838.5 | 780.8 | 713.6 | 640.0 |
| 135° | 831.3 | 858.0 | 874.1 | 880.3 | 874.1 | 858.0 | 831.3 | 787.7 | 737.0 | 679.1 | 615.9 |
| 137.5° | 776.3 | 803.4 | 816.9 | 821.0 | 816.9 | 803.4 | 776.3 | 739.7 | 695.7 | 645.9 | 594.1 |
| 140° | 741.5 | 766.3 | 780.6 | 779.7 | 780.6 | 766.3 | 741.5 | 707.7 | 669.3 | 626.6 | 581.2 |
| 142.5° | 707.3 | 729.3 | 742.2 | 741.3 | 742.2 | 729.3 | 707.3 | 678.4 | 645.2 | 608.1 | 569.1 |
| 145° | 660.4 | 679.1 | 686.3 | 688.0 | 686.3 | 679.1 | 660.4 | 638.2 | 612.3 | 583.9 | 554.6 |
| 147.5° | 624.1 | 636.8 | 643.5 | 644.3 | 643.5 | 636.8 | 624.1 | 607.3 | 588.9 | 565.9 | 542.6 |
| 150° | 603.5 | 613.2 | 618.6 | 618.6 | 618.6 | 613.2 | 603.5 | 590.1 | 573.2 | 554.6 | 534.0 |
| 152.5° | 585.0 | 594.1 | 597.3 | 597.3 | 597.3 | 594.1 | 585.0 | 574.4 | 560.4 | 543.9 | 526.2 |
| 155° | 560.8 | 567.8 | 569.6 | 570.5 | 569.6 | 567.8 | 560.8 | 552.8 | 542.1 | 528.7 | 514.4 |
| 157.5° | 539.6 | 544.9 | 546.4 | 546.2 | 546.4 | 544.9 | 539.6 | 532.6 | 524.2 | 513.9 | 502.0 |
| 160° | 526.0 | 531.4 | 531.4 | 530.5 | 531.4 | 531.4 | 526.0 | 519.8 | 513.5 | 504.7 | 494.9 |
| 162.5° | 512.6 | 517.1 | 517.1 | 516.2 | 517.1 | 517.1 | 512.6 | 508.5 | 502.9 | 494.7 | 486.3 |
| 165° | 494.9 | 498.5 | 497.6 | 497.6 | 497.6 | 498.5 | 494.9 | 491.3 | 486.9 | 480.6 | 475.3 |
| 167.5° | 478.1 | 480.6 | 479.7 | 479.7 | 479.7 | 480.6 | 478.1 | 476.5 | 473.3 | 469.8 | 465.7 |
| 170° | 468.1 | 469.9 | 469.0 | 469.0 | 469.0 | 469.9 | 468.1 | 467.3 | 465.5 | 462.0 | 459.3 |
| 172.5° | 459.7 | 461.5 | 459.9 | 459.1 | 459.9 | 461.5 | 459.7 | 459.5 | 458.4 | 455.6 | 453.6 |
| 175° | 448.6 | 449.5 | 448.6 | 447.7 | 448.6 | 449.5 | 448.6 | 448.6 | 448.6 | 446.8 | 445.9 |
| 177.5° | 441.8 | 442.6 | 441.1 | 441.1 | 441.1 | 442.6 | 441.8 | 442.6 | 442.6 | 441.8 | 441.1 |
| 180° | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 |



TEST NUMBER: P331939-940

CATALOG NUMBER: S123DIP-S560D1025U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 |
| 2.5° | 675.9 | 675.9 | 681.1 | 684.4 | 688.5 | 691.3 | 693.1 | 695.1 | 698.3 | 702.8 | 707.7 |
| 5° | 637.3 | 638.6 | 646.1 | 653.7 | 660.8 | 667.0 | 672.1 | 678.2 | 685.8 | 695.0 | 705.3 |
| 7.5° | 599.9 | 605.1 | 612.7 | 621.9 | 631.9 | 640.9 | 649.9 | 660.0 | 670.6 | 684.2 | 698.6 |
| 10° | 575.8 | 581.6 | 590.8 | 602.4 | 613.1 | 623.6 | 634.9 | 645.8 | 659.2 | 675.2 | 693.7 |
| 12.5° | 554.7 | 560.3 | 569.8 | 582.5 | 592.5 | 604.2 | 617.2 | 631.3 | 646.3 | 665.7 | 686.5 |
| 15° | 525.6 | 532.1 | 543.7 | 549.8 | 565.3 | 579.3 | 591.2 | 611.6 | 630.8 | 650.6 | 674.8 |
| 17.5° | 501.7 | 505.3 | 514.7 | 526.1 | 537.6 | 553.3 | 569.0 | 586.0 | 605.1 | 629.4 | 659.7 |
| 20° | 485.3 | 488.4 | 498.6 | 510.6 | 522.9 | 537.3 | 551.3 | 568.3 | 589.8 | 615.5 | 648.2 |
| 22.5° | 473.0 | 476.4 | 483.0 | 495.8 | 507.3 | 519.2 | 533.2 | 553.6 | 576.4 | 601.5 | 637.0 |
| 25° | 455.2 | 457.3 | 461.7 | 472.0 | 482.2 | 495.5 | 507.8 | 527.0 | 550.5 | 579.9 | 615.5 |
| 27.5° | 438.4 | 440.3 | 444.1 | 451.4 | 461.0 | 471.8 | 485.2 | 501.4 | 525.3 | 557.2 | 594.9 |
| 30° | 428.3 | 428.6 | 432.0 | 438.8 | 447.0 | 455.9 | 468.2 | 486.7 | 509.2 | 541.6 | 581.3 |
| 32.5° | 419.5 | 418.2 | 420.5 | 425.7 | 433.6 | 442.6 | 452.6 | 470.8 | 492.6 | 524.4 | 565.2 |
| 35° | 404.7 | 404.0 | 403.0 | 407.4 | 414.3 | 421.1 | 430.0 | 443.6 | 468.2 | 497.9 | 540.6 |
| 37.5° | 389.6 | 388.0 | 386.1 | 388.2 | 393.5 | 400.6 | 408.3 | 420.4 | 441.7 | 474.4 | 515.2 |
| 40° | 378.4 | 377.0 | 376.0 | 375.3 | 380.1 | 386.9 | 392.7 | 404.4 | 424.2 | 455.2 | 495.5 |
| 42.5° | 366.1 | 365.3 | 364.0 | 363.0 | 367.0 | 372.2 | 378.3 | 388.5 | 408.3 | 437.5 | 475.6 |
| 45° | 346.3 | 345.6 | 344.9 | 344.3 | 346.6 | 351.4 | 356.2 | 363.7 | 380.8 | 409.1 | 443.6 |
| 47.5° | 324.2 | 323.3 | 323.6 | 322.5 | 324.9 | 328.1 | 331.4 | 339.5 | 355.9 | 378.7 | 403.9 |
| 50° | 308.4 | 308.1 | 308.1 | 308.1 | 308.7 | 312.5 | 315.6 | 321.7 | 336.7 | 359.6 | 377.7 |
| 52.5° | 293.4 | 291.9 | 291.9 | 292.5 | 293.7 | 296.1 | 298.1 | 304.8 | 317.9 | 336.7 | 353.1 |
| 55° | 269.8 | 267.1 | 266.4 | 267.1 | 268.1 | 270.1 | 272.2 | 277.7 | 288.9 | 302.9 | 312.5 |
| 57.5° | 243.7 | 242.2 | 241.3 | 241.5 | 242.0 | 243.6 | 245.2 | 251.2 | 260.0 | 267.3 | 273.5 |
| 60° | 225.4 | 226.0 | 223.0 | 223.7 | 223.7 | 225.1 | 227.5 | 231.2 | 238.7 | 243.9 | 250.0 |
| 62.5° | 208.2 | 207.2 | 206.3 | 205.4 | 205.4 | 205.9 | 209.1 | 212.0 | 218.5 | 221.1 | 226.0 |
| 65° | 181.4 | 181.4 | 179.3 | 179.9 | 180.3 | 177.9 | 179.7 | 183.1 | 187.2 | 188.2 | 192.6 |
| 67.5° | 154.2 | 153.2 | 152.0 | 151.1 | 151.1 | 150.8 | 151.7 | 153.4 | 156.5 | 156.9 | 160.2 |
| 70° | 135.5 | 134.9 | 134.6 | 133.6 | 132.2 | 133.8 | 132.9 | 134.6 | 136.3 | 136.6 | 138.7 |
| 72.5° | 117.5 | 116.9 | 116.3 | 115.2 | 114.7 | 114.5 | 114.6 | 116.5 | 117.7 | 117.2 | 119.5 |
| 75° | 91.8 | 91.2 | 90.5 | 88.8 | 88.8 | 87.7 | 88.1 | 89.4 | 90.9 | 89.8 | 91.8 |
| 77.5° | 67.5 | 65.4 | 65.3 | 65.7 | 64.6 | 64.7 | 64.4 | 64.1 | 64.7 | 64.8 | 66.7 |
| 80° | 51.9 | 49.5 | 50.2 | 49.8 | 49.5 | 49.2 | 48.5 | 48.9 | 49.2 | 49.5 | 50.6 |
| 82.5° | 37.5 | 37.2 | 36.6 | 36.5 | 36.1 | 35.2 | 34.9 | 35.5 | 35.8 | 35.6 | 36.4 |
| 85° | 19.1 | 18.1 | 18.8 | 18.5 | 18.8 | 18.5 | 17.4 | 17.4 | 18.1 | 17.7 | 18.5 |
| 87.5° | 10.0 | 10.2 | 9.4 | 9.1 | 8.3 | 8.0 | 7.4 | 7.3 | 7.0 | 6.7 | 7.0 |
| 90° | 21.4 | 22.3 | 19.6 | 16.9 | 14.3 | 11.6 | 9.8 | 8.0 | 5.4 | 3.6 | 1.8 |
| 92.5° | 103.3 | 136.9 | 150.6 | 113.1 | 74.7 | 51.5 | 38.3 | 30.8 | 23.9 | 16.4 | 11.1 |
| 95° | 428.1 | 527.8 | 469.9 | 324.0 | 191.4 | 115.7 | 81.0 | 57.9 | 42.7 | 32.9 | 30.2 |
| 97.5° | 875.1 | 818.0 | 598.9 | 355.5 | 206.0 | 133.7 | 96.1 | 73.3 | 60.2 | 52.5 | 51.6 |
| 100° | 1018.2 | 842.9 | 569.6 | 335.6 | 203.8 | 141.5 | 106.8 | 85.4 | 73.0 | 66.8 | 65.9 |
| 102.5° | 1025.4 | 796.7 | 526.9 | 318.4 | 206.7 | 150.8 | 119.0 | 99.7 | 87.9 | 82.4 | 80.8 |
| 105° | 971.1 | 715.6 | 474.4 | 306.2 | 214.5 | 166.5 | 138.8 | 122.0 | 111.3 | 105.9 | 103.3 |
| 107.5° | 876.0 | 644.1 | 441.0 | 305.3 | 229.1 | 186.9 | 161.3 | 145.4 | 134.9 | 129.7 | 127.1 |
| 110° | 816.2 | 603.5 | 428.1 | 308.9 | 241.2 | 201.2 | 176.2 | 161.1 | 151.3 | 146.9 | 144.2 |



TEST NUMBER: P331939-940

CATALOG NUMBER: S123DIP-S560D1025U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 764.2 | 576.4 | 421.0 | 316.0 | 253.3 | 216.2 | 191.9 | 176.7 | 167.0 | 162.6 | 159.9 |
| 115° | 701.4 | 547.4 | 418.3 | 327.5 | 273.2 | 239.4 | 215.4 | 200.3 | 191.4 | 186.0 | 182.4 |
| 117.5° | 663.4 | 530.3 | 419.9 | 342.9 | 294.4 | 261.0 | 238.7 | 221.8 | 213.7 | 209.2 | 205.1 |
| 120° | 643.5 | 522.5 | 422.8 | 354.3 | 308.0 | 275.9 | 253.7 | 236.7 | 227.8 | 223.4 | 220.7 |
| 122.5° | 627.1 | 517.5 | 427.8 | 365.0 | 322.2 | 290.9 | 267.2 | 251.0 | 241.4 | 236.9 | 234.3 |
| 125° | 606.2 | 511.0 | 435.2 | 381.8 | 342.7 | 311.6 | 287.5 | 270.5 | 260.8 | 255.5 | 253.7 |
| 127.5° | 587.6 | 507.7 | 443.8 | 395.7 | 360.5 | 330.4 | 306.4 | 287.7 | 277.7 | 271.1 | 268.5 |
| 130° | 577.7 | 505.6 | 449.5 | 405.0 | 371.1 | 341.8 | 317.7 | 299.1 | 288.4 | 280.4 | 277.7 |
| 132.5° | 568.4 | 504.9 | 453.8 | 413.6 | 380.4 | 351.8 | 328.4 | 309.8 | 296.9 | 288.2 | 284.8 |
| 135° | 556.3 | 503.8 | 460.2 | 424.5 | 394.3 | 366.7 | 342.7 | 324.0 | 310.7 | 300.9 | 297.3 |
| 137.5° | 545.8 | 501.9 | 464.4 | 432.7 | 403.9 | 377.4 | 355.2 | 336.6 | 322.4 | 312.8 | 309.1 |
| 140° | 539.4 | 501.1 | 467.3 | 437.0 | 410.4 | 384.5 | 362.3 | 344.5 | 330.2 | 321.3 | 316.9 |
| 142.5° | 533.7 | 499.7 | 469.4 | 441.3 | 415.4 | 390.2 | 369.3 | 351.6 | 338.8 | 329.1 | 325.4 |
| 145° | 526.0 | 497.6 | 470.8 | 445.9 | 421.9 | 398.8 | 378.3 | 363.2 | 349.8 | 341.8 | 339.1 |
| 147.5° | 518.5 | 494.2 | 470.8 | 448.8 | 427.2 | 406.1 | 388.6 | 374.0 | 362.5 | 354.6 | 353.0 |
| 150° | 513.5 | 491.3 | 470.8 | 449.5 | 430.8 | 410.4 | 394.3 | 381.8 | 370.2 | 363.2 | 362.3 |
| 152.5° | 507.9 | 487.8 | 468.7 | 450.9 | 432.9 | 415.4 | 400.0 | 389.0 | 378.8 | 371.7 | 371.5 |
| 155° | 499.4 | 481.5 | 466.4 | 451.3 | 437.0 | 421.9 | 409.5 | 399.7 | 390.7 | 385.4 | 385.4 |
| 157.5° | 489.7 | 476.0 | 463.4 | 452.2 | 439.3 | 427.2 | 417.6 | 409.3 | 401.4 | 397.2 | 396.5 |
| 160° | 483.3 | 471.7 | 462.0 | 452.2 | 441.5 | 430.8 | 421.9 | 415.6 | 408.6 | 405.0 | 405.0 |
| 162.5° | 476.9 | 467.4 | 459.1 | 451.5 | 442.2 | 432.9 | 425.4 | 419.9 | 414.3 | 411.4 | 411.4 |
| 165° | 468.1 | 461.1 | 454.9 | 449.5 | 443.3 | 436.1 | 429.9 | 426.3 | 421.9 | 420.1 | 421.0 |
| 167.5° | 459.9 | 454.7 | 450.6 | 448.1 | 443.1 | 437.9 | 434.0 | 431.5 | 428.1 | 427.2 | 428.3 |
| 170° | 454.9 | 450.4 | 447.7 | 445.9 | 442.4 | 437.9 | 436.1 | 434.4 | 431.7 | 430.8 | 432.6 |
| 172.5° | 449.9 | 446.8 | 445.6 | 445.2 | 442.4 | 438.6 | 437.6 | 436.5 | 434.5 | 434.4 | 435.4 |
| 175° | 444.2 | 442.4 | 442.4 | 443.3 | 441.5 | 439.7 | 438.8 | 438.8 | 437.0 | 437.9 | 438.8 |
| 177.5° | 440.4 | 439.7 | 440.4 | 441.8 | 440.4 | 439.7 | 439.7 | 439.7 | 439.0 | 439.7 | 440.4 |
| 180° | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 |



TEST NUMBER: P331939-940

CATALOG NUMBER: S123DIP-S560D1025U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 0° | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 |
| 2.5° | 709.3 | 710.6 | 715.2 | 718.5 | 722.4 | 724.6 | 726.7 | 728.4 | 730.6 | 731.1 | 739.0 |
| 5° | 712.4 | 719.3 | 731.2 | 740.0 | 751.0 | 762.9 | 771.2 | 774.9 | 784.8 | 793.0 | 809.4 |
| 7.5° | 711.5 | 726.0 | 744.1 | 762.9 | 782.9 | 801.5 | 817.6 | 836.7 | 850.3 | 870.8 | 890.9 |
| 10° | 710.7 | 730.1 | 753.4 | 777.3 | 805.3 | 831.3 | 854.5 | 880.5 | 902.0 | 930.3 | 954.6 |
| 12.5° | 708.3 | 731.8 | 764.0 | 792.3 | 826.3 | 862.1 | 896.5 | 929.9 | 949.0 | 996.1 | 1018.5 |
| 15° | 702.1 | 730.1 | 770.4 | 813.5 | 860.3 | 902.7 | 946.4 | 981.1 | 1037.5 | 1078.9 | 1105.2 |
| 17.5° | 690.5 | 729.8 | 777.6 | 829.5 | 886.4 | 942.2 | 991.7 | 1044.6 | 1104.4 | 1154.3 | 1207.6 |
| 20° | 685.1 | 728.1 | 781.4 | 838.7 | 897.9 | 961.0 | 1017.4 | 1080.9 | 1146.1 | 1195.3 | 1263.6 |
| 22.5° | 675.0 | 723.7 | 781.1 | 845.1 | 908.2 | 973.6 | 1039.6 | 1103.6 | 1178.9 | 1246.7 | 1311.7 |
| 25° | 658.4 | 713.1 | 772.5 | 843.9 | 918.0 | 983.6 | 1062.5 | 1147.5 | 1226.1 | 1313.1 | 1378.0 |
| 27.5° | 641.1 | 699.5 | 759.0 | 825.4 | 905.1 | 982.9 | 1082.2 | 1178.2 | 1274.3 | 1349.5 | 1397.5 |
| 30° | 627.7 | 684.4 | 745.9 | 812.8 | 891.7 | 984.3 | 1095.3 | 1200.1 | 1293.7 | 1358.3 | 1385.2 |
| 32.5° | 613.2 | 670.7 | 725.1 | 795.3 | 879.4 | 983.5 | 1103.5 | 1212.9 | 1294.8 | 1337.7 | 1332.5 |
| 35° | 590.5 | 638.6 | 691.6 | 759.2 | 858.3 | 977.4 | 1108.2 | 1214.1 | 1264.3 | 1255.1 | 1185.4 |
| 37.5° | 557.7 | 598.2 | 650.3 | 724.3 | 833.7 | 964.8 | 1098.7 | 1178.1 | 1174.8 | 1099.7 | 998.8 |
| 40° | 537.3 | 571.7 | 621.9 | 699.8 | 814.5 | 956.6 | 1083.6 | 1135.2 | 1091.5 | 986.7 | 865.8 |
| 42.5° | 510.4 | 542.2 | 592.4 | 672.4 | 793.5 | 940.0 | 1055.0 | 1069.9 | 984.4 | 863.7 | 753.0 |
| 45° | 469.0 | 497.0 | 548.8 | 631.5 | 762.0 | 903.7 | 985.0 | 948.4 | 833.3 | 708.6 | 624.3 |
| 47.5° | 424.3 | 453.4 | 503.4 | 588.3 | 716.3 | 849.1 | 887.8 | 810.1 | 691.9 | 590.8 | 513.4 |
| 50° | 396.2 | 424.2 | 473.0 | 558.7 | 685.5 | 804.3 | 820.4 | 720.0 | 611.4 | 522.5 | 459.0 |
| 52.5° | 367.7 | 394.1 | 442.1 | 528.2 | 649.3 | 752.3 | 742.4 | 640.2 | 540.3 | 464.6 | 414.7 |
| 55° | 325.5 | 350.4 | 396.2 | 476.8 | 587.1 | 668.7 | 632.8 | 535.2 | 452.5 | 393.8 | 355.9 |
| 57.5° | 287.7 | 311.6 | 351.0 | 423.8 | 519.7 | 575.8 | 530.2 | 447.9 | 382.2 | 337.0 | 308.7 |
| 60° | 262.0 | 283.1 | 320.7 | 388.3 | 471.6 | 514.3 | 469.2 | 396.5 | 341.2 | 305.0 | 279.7 |
| 62.5° | 237.6 | 256.1 | 290.9 | 352.2 | 424.6 | 460.5 | 414.9 | 353.3 | 306.2 | 274.1 | 252.6 |
| 65° | 200.8 | 217.6 | 248.3 | 296.1 | 355.5 | 379.4 | 340.2 | 290.3 | 253.8 | 229.9 | 215.5 |
| 67.5° | 167.2 | 181.4 | 207.9 | 245.6 | 289.4 | 306.7 | 276.9 | 238.3 | 210.7 | 191.5 | 180.1 |
| 70° | 144.8 | 157.1 | 177.9 | 210.4 | 250.0 | 263.3 | 235.3 | 203.6 | 183.4 | 168.0 | 157.5 |
| 72.5° | 125.9 | 135.0 | 153.9 | 179.0 | 212.0 | 222.6 | 203.0 | 175.1 | 156.3 | 144.8 | 136.4 |
| 75° | 95.9 | 103.4 | 115.7 | 135.9 | 158.8 | 165.0 | 150.3 | 132.9 | 120.2 | 112.0 | 105.5 |
| 77.5° | 69.2 | 74.7 | 83.6 | 96.0 | 111.9 | 117.4 | 108.2 | 96.5 | 87.3 | 81.8 | 78.1 |
| 80° | 52.3 | 56.7 | 64.2 | 74.5 | 84.0 | 87.1 | 81.6 | 72.8 | 66.3 | 63.2 | 60.1 |
| 82.5° | 38.6 | 41.1 | 45.7 | 52.6 | 59.1 | 62.8 | 58.1 | 52.8 | 49.3 | 46.5 | 45.4 |
| 85° | 19.4 | 20.9 | 22.9 | 25.6 | 29.7 | 31.1 | 29.3 | 28.0 | 25.9 | 24.3 | 24.3 |
| 87.5° | 7.8 | 8.2 | 9.5 | 10.4 | 11.9 | 13.2 | 13.5 | 13.5 | 13.7 | 13.3 | 13.2 |
| 90° | 3.6 | 5.4 | 8.0 | 9.8 | 11.6 | 14.3 | 16.9 | 19.6 | 22.3 | 21.4 | 22.3 |
| 92.5° | 16.4 | 23.9 | 30.8 | 38.3 | 51.5 | 74.7 | 113.1 | 150.6 | 136.9 | 103.3 | 74.9 |
| 95° | 32.9 | 42.7 | 57.9 | 81.0 | 115.7 | 191.4 | 324.0 | 469.9 | 527.8 | 428.1 | 320.4 |
| 97.5° | 52.5 | 60.2 | 73.3 | 96.1 | 133.7 | 206.0 | 355.5 | 598.9 | 818.0 | 875.1 | 798.8 |
| 100° | 66.8 | 73.0 | 85.4 | 106.8 | 141.5 | 203.8 | 335.6 | 569.6 | 842.9 | 1018.2 | 1049.5 |
| 102.5° | 82.4 | 87.9 | 99.7 | 119.0 | 150.8 | 206.7 | 318.4 | 526.9 | 796.7 | 1025.4 | 1132.7 |
| 105° | 105.9 | 111.3 | 122.0 | 138.8 | 166.5 | 214.5 | 306.2 | 474.4 | 715.6 | 971.1 | 1157.1 |
| 107.5° | 129.7 | 134.9 | 145.4 | 161.3 | 186.9 | 229.1 | 305.3 | 441.0 | 644.1 | 876.0 | 1087.0 |
| 110° | 146.9 | 151.3 | 161.1 | 176.2 | 201.2 | 241.2 | 308.9 | 428.1 | 603.5 | 816.2 | 1020.0 |



TEST NUMBER: P331939-940

CATALOG NUMBER: S123DIP-S560D1025U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 162.6 | 167.0 | 176.7 | 191.9 | 216.2 | 253.3 | 316.0 | 421.0 | 576.4 | 764.2 | 953.8 |
| 115° | 186.0 | 191.4 | 200.3 | 215.4 | 239.4 | 273.2 | 327.5 | 418.3 | 547.4 | 701.4 | 866.0 |
| 117.5° | 209.2 | 213.7 | 221.8 | 238.7 | 261.0 | 294.4 | 342.9 | 419.9 | 530.3 | 663.4 | 802.5 |
| 120° | 223.4 | 227.8 | 236.7 | 253.7 | 275.9 | 308.0 | 354.3 | 422.8 | 522.5 | 643.5 | 769.0 |
| 122.5° | 236.9 | 241.4 | 251.0 | 267.2 | 290.9 | 322.2 | 365.0 | 427.8 | 517.5 | 627.1 | 742.7 |
| 125° | 255.5 | 260.8 | 270.5 | 287.5 | 311.6 | 342.7 | 381.8 | 435.2 | 511.0 | 606.2 | 707.7 |
| 127.5° | 271.1 | 277.7 | 287.7 | 306.4 | 330.4 | 360.5 | 395.7 | 443.8 | 507.7 | 587.6 | 677.0 |
| 130° | 280.4 | 288.4 | 299.1 | 317.7 | 341.8 | 371.1 | 405.0 | 449.5 | 505.6 | 577.7 | 657.8 |
| 132.5° | 288.2 | 296.9 | 309.8 | 328.4 | 351.8 | 380.4 | 413.6 | 453.8 | 504.9 | 568.4 | 640.0 |
| 135° | 300.9 | 310.7 | 324.0 | 342.7 | 366.7 | 394.3 | 424.5 | 460.2 | 503.8 | 556.3 | 615.9 |
| 137.5° | 312.8 | 322.4 | 336.6 | 355.2 | 377.4 | 403.9 | 432.7 | 464.4 | 501.9 | 545.8 | 594.1 |
| 140° | 321.3 | 330.2 | 344.5 | 362.3 | 384.5 | 410.4 | 437.0 | 467.3 | 501.1 | 539.4 | 581.2 |
| 142.5° | 329.1 | 338.8 | 351.6 | 369.3 | 390.2 | 415.4 | 441.3 | 469.4 | 499.7 | 533.7 | 569.1 |
| 145° | 341.8 | 349.8 | 363.2 | 378.3 | 398.8 | 421.9 | 445.9 | 470.8 | 497.6 | 526.0 | 554.6 |
| 147.5° | 354.6 | 362.5 | 374.0 | 388.6 | 406.1 | 427.2 | 448.8 | 470.8 | 494.2 | 518.5 | 542.6 |
| 150° | 363.2 | 370.2 | 381.8 | 394.3 | 410.4 | 430.8 | 449.5 | 470.8 | 491.3 | 513.5 | 534.0 |
| 152.5° | 371.7 | 378.8 | 389.0 | 400.0 | 415.4 | 432.9 | 450.9 | 468.7 | 487.8 | 507.9 | 526.2 |
| 155° | 385.4 | 390.7 | 399.7 | 409.5 | 421.9 | 437.0 | 451.3 | 466.4 | 481.5 | 499.4 | 514.4 |
| 157.5° | 397.2 | 401.4 | 409.3 | 417.6 | 427.2 | 439.3 | 452.2 | 463.4 | 476.0 | 489.7 | 502.0 |
| 160° | 405.0 | 408.6 | 415.6 | 421.9 | 430.8 | 441.5 | 452.2 | 462.0 | 471.7 | 483.3 | 494.9 |
| 162.5° | 411.4 | 414.3 | 419.9 | 425.4 | 432.9 | 442.2 | 451.5 | 459.1 | 467.4 | 476.9 | 486.3 |
| 165° | 420.1 | 421.9 | 426.3 | 429.9 | 436.1 | 443.3 | 449.5 | 454.9 | 461.1 | 468.1 | 475.3 |
| 167.5° | 427.2 | 428.1 | 431.5 | 434.0 | 437.9 | 443.1 | 448.1 | 450.6 | 454.7 | 459.9 | 465.7 |
| 170° | 430.8 | 431.7 | 434.4 | 436.1 | 437.9 | 442.4 | 445.9 | 447.7 | 450.4 | 454.9 | 459.3 |
| 172.5° | 434.4 | 434.5 | 436.5 | 437.6 | 438.6 | 442.4 | 445.2 | 445.6 | 446.8 | 449.9 | 453.6 |
| 175° | 437.9 | 437.0 | 438.8 | 438.8 | 439.7 | 441.5 | 443.3 | 442.4 | 442.4 | 444.2 | 445.9 |
| 177.5° | 439.7 | 439.0 | 439.7 | 439.7 | 439.7 | 440.4 | 441.8 | 440.4 | 439.7 | 440.4 | 441.1 |
| 180° | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 |



TEST NUMBER: P331939-940

CATALOG NUMBER: S123DIP-S560D1025U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 | 704.9 |
| 2.5° | 741.8 | 742.1 | 745.0 | 747.3 | 746.2 | 747.5 | 748.1 |
| 5° | 810.4 | 822.7 | 829.2 | 834.0 | 834.4 | 834.6 | 837.4 |
| 7.5° | 907.8 | 921.0 | 930.6 | 945.2 | 949.6 | 954.6 | 953.1 |
| 10° | 978.8 | 998.3 | 1015.0 | 1023.9 | 1033.4 | 1047.4 | 1036.2 |
| 12.5° | 1045.2 | 1079.7 | 1105.2 | 1118.9 | 1128.0 | 1130.8 | 1125.2 |
| 15° | 1154.7 | 1199.8 | 1224.1 | 1223.3 | 1254.1 | 1267.4 | 1246.5 |
| 17.5° | 1255.1 | 1296.7 | 1330.0 | 1347.1 | 1372.7 | 1378.4 | 1375.8 |
| 20° | 1316.5 | 1362.0 | 1387.9 | 1417.3 | 1430.7 | 1442.6 | 1444.7 |
| 22.5° | 1369.6 | 1410.3 | 1438.2 | 1462.7 | 1473.8 | 1479.4 | 1482.9 |
| 25° | 1424.2 | 1456.3 | 1473.0 | 1481.5 | 1484.6 | 1483.9 | 1479.4 |
| 27.5° | 1420.4 | 1422.8 | 1404.4 | 1386.3 | 1370.1 | 1351.8 | 1345.6 |
| 30° | 1383.5 | 1354.8 | 1303.6 | 1274.5 | 1231.9 | 1198.0 | 1211.7 |
| 32.5° | 1286.5 | 1229.4 | 1171.9 | 1108.4 | 1055.9 | 1041.0 | 1025.9 |
| 35° | 1098.0 | 997.6 | 938.9 | 870.6 | 843.2 | 815.9 | 797.1 |
| 37.5° | 888.3 | 810.7 | 740.9 | 696.2 | 668.9 | 651.7 | 642.3 |
| 40° | 768.1 | 698.0 | 640.7 | 604.5 | 583.6 | 564.2 | 561.4 |
| 42.5° | 672.2 | 607.1 | 563.9 | 535.1 | 515.1 | 506.8 | 500.8 |
| 45° | 550.5 | 505.1 | 476.1 | 455.6 | 442.3 | 437.1 | 430.3 |
| 47.5° | 466.0 | 433.9 | 412.1 | 398.1 | 388.1 | 384.2 | 383.7 |
| 50° | 418.7 | 392.1 | 376.0 | 365.1 | 357.2 | 355.9 | 350.4 |
| 52.5° | 383.2 | 360.1 | 347.6 | 338.0 | 332.3 | 328.5 | 326.9 |
| 55° | 332.6 | 317.3 | 306.0 | 300.5 | 296.1 | 292.3 | 292.3 |
| 57.5° | 291.1 | 278.2 | 270.7 | 266.1 | 264.7 | 262.1 | 260.4 |
| 60° | 265.4 | 254.4 | 248.6 | 244.5 | 241.8 | 242.1 | 239.1 |
| 62.5° | 240.2 | 233.1 | 227.6 | 223.5 | 220.3 | 220.3 | 220.5 |
| 65° | 204.6 | 199.1 | 195.0 | 193.7 | 191.6 | 189.2 | 189.8 |
| 67.5° | 173.3 | 168.3 | 165.1 | 162.7 | 162.0 | 160.7 | 162.7 |
| 70° | 151.0 | 147.2 | 144.8 | 142.8 | 142.0 | 142.4 | 144.1 |
| 72.5° | 130.5 | 127.8 | 126.3 | 125.3 | 123.8 | 123.9 | 125.0 |
| 75° | 102.5 | 100.4 | 99.1 | 98.0 | 97.6 | 97.6 | 97.6 |
| 77.5° | 75.3 | 74.8 | 74.2 | 72.7 | 72.8 | 73.1 | 73.2 |
| 80° | 59.4 | 58.4 | 58.1 | 57.3 | 56.4 | 55.6 | 57.3 |
| 82.5° | 44.4 | 43.3 | 43.1 | 42.9 | 41.3 | 41.2 | 42.6 |
| 85° | 23.9 | 22.9 | 23.2 | 22.9 | 22.9 | 22.6 | 22.6 |
| 87.5° | 13.1 | 13.0 | 13.1 | 13.2 | 13.1 | 13.0 | 13.4 |
| 90° | 23.2 | 24.1 | 25.8 | 24.9 | 25.8 | 26.7 | 25.8 |
| 92.5° | 59.5 | 52.5 | 47.9 | 46.3 | 43.6 | 44.5 | 42.9 |
| 95° | 217.2 | 170.0 | 137.9 | 121.1 | 113.1 | 106.8 | 103.3 |
| 97.5° | 639.8 | 525.0 | 418.5 | 352.8 | 312.8 | 288.7 | 281.1 |
| 100° | 977.3 | 873.2 | 746.8 | 656.9 | 591.9 | 557.2 | 558.1 |
| 102.5° | 1130.4 | 1069.7 | 989.6 | 919.6 | 868.2 | 839.2 | 818.7 |
| 105° | 1246.2 | 1263.0 | 1239.9 | 1198.9 | 1165.1 | 1136.7 | 1132.2 |
| 107.5° | 1231.5 | 1309.5 | 1341.2 | 1341.9 | 1330.5 | 1320.9 | 1312.7 |
| 110° | 1183.8 | 1295.9 | 1358.3 | 1383.2 | 1390.4 | 1388.6 | 1386.8 |



TEST NUMBER: P331939-940

CATALOG NUMBER: S123DIP-S560D1025U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1121.1 | 1246.8 | 1327.0 | 1372.5 | 1394.5 | 1401.3 | 1401.7 |
| 115° | 1020.9 | 1151.7 | 1248.8 | 1315.5 | 1354.7 | 1372.5 | 1377.0 |
| 117.5° | 936.2 | 1053.6 | 1152.1 | 1221.7 | 1266.6 | 1292.3 | 1298.2 |
| 120° | 889.2 | 996.0 | 1085.9 | 1156.2 | 1206.0 | 1227.4 | 1232.8 |
| 122.5° | 851.5 | 950.5 | 1033.9 | 1096.4 | 1141.3 | 1164.8 | 1171.5 |
| 125° | 804.7 | 890.1 | 961.3 | 1018.2 | 1057.4 | 1079.7 | 1085.9 |
| 127.5° | 763.5 | 840.6 | 905.4 | 956.1 | 989.6 | 1009.7 | 1015.4 |
| 130° | 737.9 | 809.9 | 870.5 | 917.7 | 949.8 | 968.4 | 975.5 |
| 132.5° | 713.6 | 780.8 | 838.5 | 882.8 | 914.8 | 931.4 | 936.4 |
| 135° | 679.1 | 737.0 | 787.7 | 831.3 | 858.0 | 874.1 | 880.3 |
| 137.5° | 645.9 | 695.7 | 739.7 | 776.3 | 803.4 | 816.9 | 821.0 |
| 140° | 626.6 | 669.3 | 707.7 | 741.5 | 766.3 | 780.6 | 779.7 |
| 142.5° | 608.1 | 645.2 | 678.4 | 707.3 | 729.3 | 742.2 | 741.3 |
| 145° | 583.9 | 612.3 | 638.2 | 660.4 | 679.1 | 686.3 | 688.0 |
| 147.5° | 565.9 | 588.9 | 607.3 | 624.1 | 636.8 | 643.5 | 644.3 |
| 150° | 554.6 | 573.2 | 590.1 | 603.5 | 613.2 | 618.6 | 618.6 |
| 152.5° | 543.9 | 560.4 | 574.4 | 585.0 | 594.1 | 597.3 | 597.3 |
| 155° | 528.7 | 542.1 | 552.8 | 560.8 | 567.8 | 569.6 | 570.5 |
| 157.5° | 513.9 | 524.2 | 532.6 | 539.6 | 544.9 | 546.4 | 546.2 |
| 160° | 504.7 | 513.5 | 519.8 | 526.0 | 531.4 | 531.4 | 530.5 |
| 162.5° | 494.7 | 502.9 | 508.5 | 512.6 | 517.1 | 517.1 | 516.2 |
| 165° | 480.6 | 486.9 | 491.3 | 494.9 | 498.5 | 497.6 | 497.6 |
| 167.5° | 469.8 | 473.3 | 476.5 | 478.1 | 480.6 | 479.7 | 479.7 |
| 170° | 462.0 | 465.5 | 467.3 | 468.1 | 469.9 | 469.0 | 469.0 |
| 172.5° | 455.6 | 458.4 | 459.5 | 459.7 | 461.5 | 459.9 | 459.1 |
| 175° | 446.8 | 448.6 | 448.6 | 448.6 | 449.5 | 448.6 | 447.7 |
| 177.5° | 441.8 | 442.6 | 442.6 | 441.8 | 442.6 | 441.1 | 441.1 |
| 180° | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 | 439.7 |

(END OF REPORT)