

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: P333171-830

Luminaire Tested: **S125DIP-S610D590U830-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333171-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S610D590U830-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4381.7 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

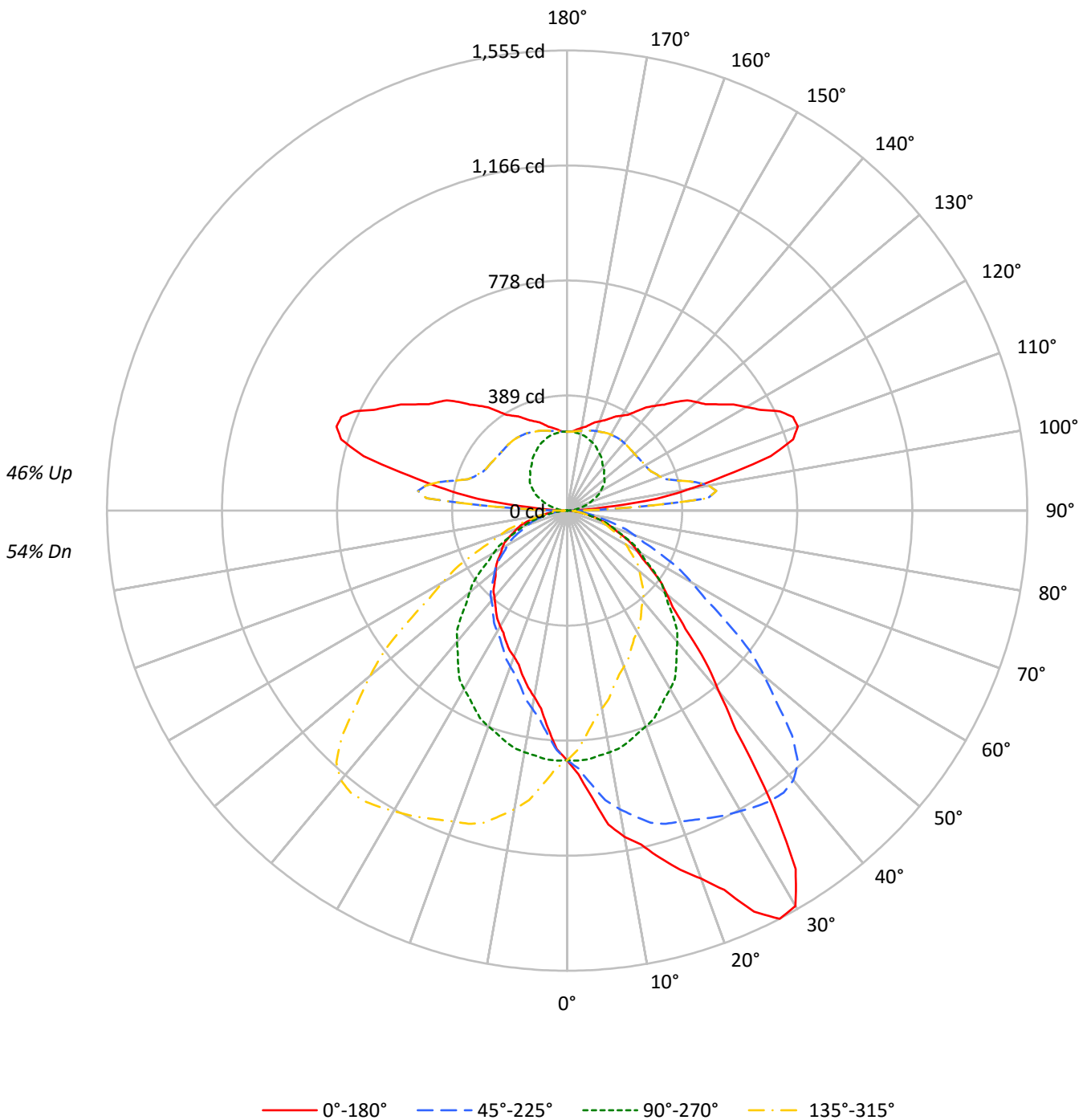
Input Watts (W): 32.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333171-830

CATALOG NUMBER: S125DIP-S610D590U830-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P333171-830

CATALOG NUMBER: S125DIP-S610D590U830-4F0-1E-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 | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 86 | 86 | 86 | 72 | 72 | 72 | 60 | 60 | 60 | 54 |
| 1 | 99 | 95 | 91 | 87 | 92 | 88 | 85 | 82 | 76 | 73 | 71 | 64 | 62 | 61 | 54 | 52 | 51 | 46 |
| 2 | 90 | 83 | 77 | 72 | 84 | 77 | 72 | 68 | 67 | 63 | 59 | 57 | 54 | 51 | 47 | 45 | 44 | 39 |
| 3 | 83 | 73 | 66 | 60 | 76 | 68 | 62 | 57 | 59 | 54 | 50 | 50 | 47 | 43 | 42 | 40 | 37 | 33 |
| 4 | 76 | 65 | 57 | 51 | 70 | 61 | 54 | 48 | 52 | 47 | 43 | 45 | 41 | 37 | 38 | 35 | 32 | 29 |
| 5 | 69 | 58 | 50 | 44 | 64 | 54 | 47 | 41 | 47 | 41 | 37 | 40 | 36 | 33 | 34 | 31 | 28 | 25 |
| 6 | 64 | 52 | 44 | 38 | 59 | 49 | 41 | 36 | 42 | 37 | 32 | 36 | 32 | 29 | 31 | 28 | 25 | 22 |
| 7 | 59 | 47 | 39 | 33 | 55 | 44 | 37 | 32 | 38 | 33 | 28 | 33 | 29 | 25 | 28 | 25 | 22 | 20 |
| 8 | 55 | 43 | 35 | 30 | 51 | 40 | 33 | 28 | 35 | 29 | 25 | 30 | 26 | 23 | 26 | 22 | 20 | 17 |
| 9 | 51 | 39 | 31 | 26 | 47 | 37 | 30 | 25 | 32 | 27 | 23 | 28 | 23 | 20 | 24 | 20 | 18 | 16 |
| 10 | 48 | 36 | 28 | 24 | 44 | 34 | 27 | 23 | 30 | 24 | 20 | 26 | 21 | 18 | 22 | 19 | 16 | 14 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|------|------|------|
| 0° | 5448 | 5448 | 5448 | 5448 |
| 5° | 6309 | 5466 | 4786 | 5466 |
| 10° | 7340 | 5438 | 4194 | 5438 |
| 15° | 8125 | 5398 | 3869 | 5398 |
| 20° | 9095 | 5335 | 3608 | 5335 |
| 25° | 10655 | 5264 | 3480 | 5264 |
| 30° | 11508 | 5193 | 3370 | 5193 |
| 35° | 9462 | 5062 | 3297 | 5062 |
| 40° | 6726 | 4878 | 3217 | 4878 |
| 45° | 5167 | 4631 | 3172 | 4631 |
| 50° | 4410 | 4324 | 3166 | 4324 |
| 55° | 3926 | 4023 | 3193 | 4023 |
| 60° | 3543 | 3695 | 3274 | 3695 |
| 65° | 3272 | 3365 | 3359 | 3365 |
| 70° | 2974 | 3021 | 3408 | 3021 |
| 75° | 2628 | 2662 | 3376 | 2662 |
| 80° | 2213 | 2168 | 3087 | 2168 |
| 85° | 1756 | 1564 | 2490 | 1564 |



TEST NUMBER: P333171-830

CATALOG NUMBER: S125DIP-S610D590U830-4F0-1E-UDD-A4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 81.2 | 1.9 |
| 10°-20° | 241.8 | 5.5 |
| 20°-30° | 392.6 | 9.0 |
| 30°-40° | 478.9 | 10.9 |
| 40°-50° | 435.7 | 9.9 |
| 50°-60° | 347.0 | 7.9 |
| 60°-70° | 241.7 | 5.5 |
| 70°-80° | 128.9 | 2.9 |
| 80°-90° | 34.0 | 0.8 |
| 90°-100° | 193.3 | 4.4 |
| 100°-110° | 415.5 | 9.5 |
| 110°-120° | 390.0 | 8.9 |
| 120°-130° | 316.0 | 7.2 |
| 130°-140° | 253.6 | 5.8 |
| 140°-150° | 191.4 | 4.4 |
| 150°-160° | 134.7 | 3.1 |
| 160°-170° | 79.4 | 1.8 |
| 170°-180° | 25.8 | 0.6 |
| 0°-30° | 715.6 | 16.3 |
| 0°-40° | 1194.5 | 27.3 |
| 0°-60° | 1977.3 | 45.1 |
| 0°-90° | 2381.9 | 54.4 |
| 90°-120° | 998.8 | 22.8 |
| 90°-150° | 1759.9 | 40.2 |
| 90°-180° | 2000.0 | 45.6 |
| 0°-180° | 4381.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|-----|------|------|------|------|
| 0° | 844 | 844 | 844 | 844 | 844 | |
| 5° | 973 | 843 | 738 | 843 | 973 | 98 |
| 15° | 1215 | 807 | 579 | 807 | 1215 | 348 |
| 25° | 1495 | 739 | 488 | 739 | 1495 | 683 |
| 35° | 1200 | 642 | 418 | 642 | 1200 | 735 |
| 45° | 566 | 507 | 347 | 507 | 566 | 453 |
| 55° | 349 | 357 | 284 | 357 | 349 | 314 |
| 65° | 214 | 220 | 220 | 220 | 214 | 212 |
| 75° | 105 | 107 | 135 | 107 | 105 | 113 |
| 85° | 24 | 21 | 34 | 21 | 24 | 28 |
| 90° | 12 | 1 | 12 | 1 | 12 | 9 |
| 95° | 126 | 18 | 126 | 18 | 126 | 179 |
| 105° | 712 | 61 | 712 | 61 | 712 | 708 |
| 115° | 794 | 109 | 794 | 109 | 794 | 775 |
| 125° | 625 | 150 | 625 | 150 | 625 | 566 |
| 135° | 519 | 176 | 519 | 176 | 519 | 402 |
| 145° | 410 | 205 | 410 | 205 | 410 | 260 |
| 155° | 344 | 234 | 344 | 234 | 344 | 160 |
| 165° | 301 | 256 | 301 | 256 | 301 | 86 |
| 175° | 270 | 266 | 270 | 266 | 270 | 26 |
| 180° | 267 | 267 | 267 | 267 | 267 | |



TEST NUMBER: P333171-830

CATALOG NUMBER: S125DIP-S610D590U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 |
| 2.5° | 892.3 | 891.1 | 889.9 | 887.7 | 889.4 | 884.5 | 882.2 | 878.3 | 873.4 | 871.7 | 869.6 |
| 5° | 973.2 | 975.0 | 976.8 | 969.2 | 970.0 | 965.0 | 953.5 | 944.1 | 936.7 | 927.0 | 920.2 |
| 7.5° | 1070.5 | 1066.3 | 1066.0 | 1061.1 | 1052.7 | 1046.0 | 1034.0 | 1018.6 | 1003.8 | 986.9 | 973.0 |
| 10° | 1119.3 | 1119.6 | 1116.4 | 1110.7 | 1101.7 | 1095.2 | 1079.5 | 1064.5 | 1046.2 | 1024.7 | 1009.4 |
| 12.5° | 1155.9 | 1157.4 | 1153.4 | 1145.7 | 1141.2 | 1126.8 | 1114.5 | 1096.6 | 1074.9 | 1057.7 | 1034.3 |
| 15° | 1215.2 | 1211.3 | 1208.4 | 1198.7 | 1191.2 | 1176.2 | 1156.5 | 1137.8 | 1114.3 | 1092.4 | 1070.5 |
| 17.5° | 1272.3 | 1275.5 | 1270.2 | 1261.3 | 1238.0 | 1220.4 | 1194.0 | 1168.6 | 1139.1 | 1109.8 | 1083.7 |
| 20° | 1323.3 | 1326.3 | 1318.0 | 1302.6 | 1274.7 | 1257.1 | 1222.4 | 1189.4 | 1155.5 | 1117.9 | 1089.2 |
| 22.5° | 1387.0 | 1384.7 | 1373.6 | 1350.1 | 1326.0 | 1293.5 | 1255.9 | 1215.8 | 1173.2 | 1130.7 | 1092.6 |
| 25° | 1495.2 | 1480.2 | 1473.4 | 1444.4 | 1412.5 | 1364.9 | 1313.3 | 1254.6 | 1201.6 | 1145.4 | 1096.7 |
| 27.5° | 1555.2 | 1550.5 | 1542.9 | 1522.7 | 1489.2 | 1438.3 | 1377.5 | 1306.0 | 1231.1 | 1160.3 | 1096.5 |
| 30° | 1543.2 | 1543.9 | 1544.6 | 1538.1 | 1516.7 | 1478.4 | 1417.9 | 1340.9 | 1252.1 | 1172.2 | 1098.5 |
| 32.5° | 1436.6 | 1449.6 | 1462.2 | 1476.9 | 1482.9 | 1475.6 | 1437.7 | 1368.1 | 1276.8 | 1186.0 | 1097.3 |
| 35° | 1200.1 | 1204.1 | 1244.6 | 1284.7 | 1339.1 | 1381.4 | 1409.7 | 1378.8 | 1301.8 | 1197.7 | 1096.0 |
| 37.5° | 935.8 | 955.2 | 983.2 | 1028.5 | 1107.0 | 1177.3 | 1267.8 | 1309.4 | 1284.5 | 1201.5 | 1093.4 |
| 40° | 797.8 | 815.7 | 833.9 | 880.1 | 946.3 | 1031.5 | 1134.3 | 1222.0 | 1242.5 | 1189.4 | 1084.9 |
| 42.5° | 691.2 | 705.4 | 725.7 | 760.3 | 815.7 | 891.2 | 989.4 | 1104.0 | 1174.5 | 1154.5 | 1066.9 |
| 45° | 565.7 | 574.7 | 590.4 | 618.0 | 658.1 | 717.2 | 803.8 | 929.2 | 1038.3 | 1074.5 | 1024.0 |
| 47.5° | 484.2 | 484.2 | 496.4 | 515.5 | 544.4 | 594.6 | 658.6 | 756.9 | 873.5 | 959.8 | 955.7 |
| 50° | 438.9 | 437.2 | 446.9 | 463.4 | 486.3 | 519.5 | 580.8 | 659.2 | 771.3 | 869.0 | 896.2 |
| 52.5° | 400.0 | 400.2 | 406.1 | 418.3 | 437.5 | 466.0 | 511.7 | 582.4 | 678.2 | 778.4 | 829.7 |
| 55° | 348.7 | 347.3 | 354.1 | 362.3 | 376.4 | 394.9 | 427.9 | 481.9 | 559.6 | 658.5 | 725.0 |
| 57.5° | 301.8 | 305.7 | 308.4 | 314.1 | 325.7 | 338.2 | 366.0 | 405.7 | 467.3 | 552.1 | 622.5 |
| 60° | 274.3 | 278.2 | 280.3 | 286.1 | 295.4 | 306.1 | 327.6 | 359.9 | 411.8 | 484.8 | 554.6 |
| 62.5° | 249.6 | 252.7 | 253.4 | 258.5 | 266.2 | 276.6 | 293.5 | 320.6 | 361.7 | 425.5 | 493.9 |
| 65° | 214.1 | 214.1 | 215.6 | 220.9 | 224.5 | 233.8 | 246.7 | 266.4 | 299.4 | 349.1 | 407.5 |
| 67.5° | 179.8 | 181.6 | 181.3 | 183.6 | 186.9 | 194.2 | 203.4 | 219.6 | 244.0 | 280.3 | 327.1 |
| 70° | 157.5 | 159.0 | 158.6 | 160.4 | 164.0 | 168.6 | 176.2 | 191.5 | 209.1 | 240.3 | 280.3 |
| 72.5° | 137.5 | 138.1 | 137.1 | 139.5 | 141.7 | 145.7 | 154.1 | 162.3 | 178.7 | 205.0 | 238.0 |
| 75° | 105.3 | 105.9 | 106.7 | 108.1 | 110.3 | 112.4 | 116.7 | 125.0 | 135.7 | 155.4 | 176.5 |
| 77.5° | 78.9 | 77.6 | 79.3 | 79.1 | 80.3 | 81.9 | 85.7 | 90.1 | 98.9 | 111.3 | 127.7 |
| 80° | 59.5 | 59.8 | 59.8 | 60.1 | 61.9 | 63.1 | 66.3 | 69.5 | 76.3 | 85.6 | 97.0 |
| 82.5° | 43.4 | 44.3 | 43.7 | 44.4 | 45.9 | 46.7 | 48.4 | 51.1 | 55.0 | 62.4 | 70.7 |
| 85° | 23.7 | 21.9 | 22.5 | 23.3 | 23.3 | 23.7 | 25.1 | 26.1 | 28.3 | 31.1 | 34.4 |
| 87.5° | 9.3 | 9.9 | 10.1 | 10.1 | 10.4 | 10.2 | 11.2 | 11.1 | 11.9 | 12.6 | 13.6 |
| 90° | 12.3 | 12.3 | 11.8 | 11.8 | 11.8 | 10.7 | 10.2 | 9.7 | 9.1 | 8.6 | 7.5 |
| 92.5° | 34.3 | 35.2 | 35.9 | 37.2 | 44.1 | 52.0 | 69.2 | 95.3 | 140.3 | 173.3 | 176.2 |
| 95° | 126.4 | 135.0 | 139.2 | 155.4 | 193.6 | 238.7 | 304.8 | 386.5 | 466.2 | 476.4 | 388.7 |
| 97.5° | 305.4 | 312.3 | 327.8 | 358.0 | 391.2 | 454.0 | 518.4 | 575.7 | 589.8 | 508.7 | 347.1 |
| 100° | 419.3 | 428.0 | 447.9 | 486.5 | 523.7 | 579.6 | 635.0 | 661.3 | 619.9 | 485.5 | 309.7 |
| 102.5° | 546.7 | 553.2 | 574.8 | 602.3 | 642.0 | 679.8 | 706.3 | 690.1 | 601.8 | 444.6 | 281.3 |
| 105° | 712.4 | 718.9 | 729.6 | 747.3 | 764.5 | 770.4 | 746.8 | 673.2 | 544.1 | 389.8 | 253.7 |
| 107.5° | 800.3 | 804.6 | 808.2 | 808.3 | 799.6 | 771.6 | 710.8 | 612.5 | 485.2 | 352.0 | 242.1 |
| 110° | 829.6 | 829.6 | 825.9 | 815.6 | 791.5 | 745.7 | 670.0 | 567.8 | 451.7 | 334.4 | 238.7 |



TEST NUMBER: P333171-830

CATALOG NUMBER: S125DIP-S610D590U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 826.1 | 822.3 | 812.9 | 795.4 | 760.1 | 706.2 | 629.5 | 532.5 | 426.7 | 324.1 | 238.7 |
| 115° | 793.6 | 786.6 | 771.6 | 745.7 | 703.8 | 645.2 | 571.6 | 488.1 | 399.4 | 312.9 | 240.3 |
| 117.5° | 736.5 | 732.2 | 717.3 | 690.6 | 648.7 | 594.8 | 531.4 | 459.6 | 383.2 | 307.5 | 243.8 |
| 120° | 699.5 | 695.2 | 680.7 | 654.9 | 615.1 | 567.8 | 508.6 | 444.1 | 374.2 | 304.8 | 247.3 |
| 122.5° | 666.8 | 662.9 | 648.4 | 624.7 | 589.3 | 545.0 | 492.3 | 432.5 | 366.5 | 302.7 | 250.3 |
| 125° | 625.3 | 619.9 | 608.1 | 586.1 | 555.9 | 517.3 | 470.4 | 415.6 | 355.9 | 300.0 | 255.4 |
| 127.5° | 589.8 | 587.4 | 576.3 | 556.8 | 529.5 | 493.2 | 449.6 | 398.4 | 346.3 | 298.7 | 261.1 |
| 130° | 570.4 | 567.2 | 556.5 | 538.8 | 511.8 | 476.9 | 435.0 | 387.7 | 339.8 | 297.8 | 264.6 |
| 132.5° | 551.1 | 547.4 | 537.5 | 519.8 | 492.9 | 459.3 | 421.2 | 376.9 | 334.6 | 297.8 | 268.4 |
| 135° | 519.3 | 516.1 | 506.4 | 488.7 | 465.1 | 434.4 | 400.0 | 362.9 | 328.5 | 297.8 | 273.6 |
| 137.5° | 485.5 | 481.9 | 473.1 | 456.9 | 435.7 | 409.7 | 381.1 | 351.1 | 323.0 | 298.5 | 278.5 |
| 140° | 461.8 | 459.1 | 451.1 | 437.2 | 417.3 | 394.6 | 369.9 | 344.6 | 320.5 | 299.0 | 280.7 |
| 142.5° | 439.9 | 437.6 | 430.0 | 418.2 | 401.3 | 381.7 | 360.4 | 339.0 | 318.3 | 299.4 | 281.9 |
| 145° | 409.7 | 407.6 | 401.6 | 392.5 | 379.6 | 365.0 | 348.4 | 331.8 | 315.1 | 299.0 | 283.3 |
| 147.5° | 384.1 | 383.1 | 379.7 | 372.4 | 362.1 | 351.2 | 338.4 | 324.9 | 311.7 | 297.6 | 283.9 |
| 150° | 369.9 | 369.4 | 367.2 | 360.8 | 352.7 | 343.0 | 332.8 | 320.9 | 309.2 | 296.2 | 283.9 |
| 152.5° | 358.7 | 358.2 | 356.0 | 350.9 | 344.1 | 336.6 | 327.3 | 316.7 | 306.1 | 294.5 | 283.4 |
| 155° | 343.6 | 343.0 | 341.4 | 337.6 | 332.2 | 326.3 | 318.9 | 310.2 | 301.0 | 291.4 | 282.3 |
| 157.5° | 330.0 | 330.1 | 328.6 | 325.5 | 321.3 | 316.7 | 310.9 | 303.8 | 296.3 | 288.1 | 280.9 |
| 160° | 320.9 | 321.5 | 320.5 | 317.7 | 314.0 | 310.2 | 304.8 | 299.4 | 292.5 | 286.1 | 279.6 |
| 162.5° | 312.8 | 312.9 | 312.7 | 310.5 | 307.6 | 304.2 | 299.7 | 294.7 | 289.1 | 283.4 | 278.3 |
| 165° | 301.0 | 301.0 | 301.0 | 300.0 | 297.8 | 295.2 | 291.9 | 288.1 | 283.9 | 279.6 | 276.4 |
| 167.5° | 290.3 | 290.4 | 290.9 | 289.9 | 288.8 | 286.9 | 284.5 | 281.9 | 278.8 | 275.8 | 273.3 |
| 170° | 283.9 | 284.5 | 284.5 | 283.9 | 282.8 | 281.7 | 280.1 | 278.5 | 275.8 | 273.6 | 272.0 |
| 172.5° | 277.9 | 278.4 | 279.3 | 278.3 | 278.1 | 277.4 | 276.3 | 274.7 | 272.8 | 271.1 | 270.3 |
| 175° | 270.4 | 271.0 | 272.0 | 271.5 | 271.5 | 271.5 | 270.4 | 270.4 | 268.8 | 268.2 | 268.2 |
| 177.5° | 266.6 | 266.6 | 268.0 | 267.5 | 268.0 | 268.0 | 268.0 | 267.5 | 267.1 | 266.6 | 266.6 |
| 180° | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 |



TEST NUMBER: P333171-830

CATALOG NUMBER: S125DIP-S610D590U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 |
| 2.5° | 867.9 | 865.9 | 863.7 | 859.6 | 854.7 | 852.2 | 848.2 | 845.6 | 840.4 | 836.1 | 831.5 |
| 5° | 911.9 | 902.7 | 894.1 | 883.0 | 870.8 | 862.9 | 853.6 | 843.2 | 832.5 | 821.3 | 809.2 |
| 7.5° | 957.5 | 941.1 | 923.2 | 903.9 | 885.1 | 867.8 | 851.2 | 835.0 | 819.8 | 801.4 | 785.9 |
| 10° | 988.3 | 967.4 | 945.3 | 919.1 | 893.7 | 871.5 | 848.9 | 829.2 | 809.2 | 787.7 | 768.7 |
| 12.5° | 1018.9 | 991.2 | 959.9 | 931.1 | 900.6 | 873.8 | 847.3 | 822.1 | 796.9 | 773.1 | 751.0 |
| 15° | 1040.5 | 1016.2 | 987.1 | 946.3 | 911.9 | 875.1 | 840.0 | 807.4 | 776.9 | 750.5 | 722.6 |
| 17.5° | 1054.7 | 1023.4 | 992.2 | 953.1 | 908.0 | 866.8 | 827.0 | 789.8 | 755.4 | 721.8 | 694.9 |
| 20° | 1057.3 | 1025.1 | 992.5 | 954.2 | 908.0 | 860.7 | 821.0 | 776.3 | 739.3 | 704.6 | 671.7 |
| 22.5° | 1056.5 | 1019.9 | 984.5 | 945.0 | 900.0 | 856.5 | 808.4 | 762.8 | 722.7 | 688.6 | 654.2 |
| 25° | 1048.4 | 1009.4 | 965.0 | 925.2 | 880.8 | 834.6 | 785.9 | 738.7 | 697.9 | 658.8 | 624.8 |
| 27.5° | 1041.6 | 991.0 | 940.8 | 894.4 | 851.5 | 809.2 | 762.6 | 714.2 | 668.9 | 629.3 | 597.3 |
| 30° | 1033.3 | 977.8 | 921.2 | 872.9 | 828.9 | 787.7 | 743.7 | 696.4 | 649.1 | 610.5 | 576.1 |
| 32.5° | 1025.9 | 961.2 | 901.5 | 848.9 | 802.3 | 762.2 | 721.6 | 676.7 | 630.3 | 591.0 | 556.7 |
| 35° | 1011.5 | 936.7 | 868.3 | 808.8 | 759.0 | 717.9 | 683.9 | 642.0 | 599.4 | 561.4 | 528.5 |
| 37.5° | 993.3 | 904.5 | 831.0 | 768.7 | 714.2 | 670.8 | 639.1 | 607.0 | 566.1 | 529.5 | 499.7 |
| 40° | 978.9 | 881.6 | 803.8 | 740.1 | 683.5 | 638.4 | 609.1 | 578.6 | 544.6 | 510.6 | 479.1 |
| 42.5° | 960.8 | 860.9 | 776.3 | 707.8 | 651.8 | 607.8 | 576.9 | 551.1 | 521.1 | 489.4 | 460.1 |
| 45° | 927.7 | 823.5 | 731.9 | 658.1 | 601.5 | 558.2 | 526.3 | 507.0 | 484.5 | 454.4 | 429.7 |
| 47.5° | 878.9 | 778.6 | 683.8 | 607.7 | 549.3 | 509.2 | 479.3 | 460.7 | 444.9 | 422.5 | 400.1 |
| 50° | 835.7 | 745.1 | 649.1 | 573.6 | 515.2 | 474.8 | 447.2 | 430.4 | 416.8 | 399.5 | 380.6 |
| 52.5° | 787.3 | 702.9 | 615.1 | 540.4 | 482.6 | 442.7 | 415.7 | 400.9 | 389.6 | 377.2 | 358.5 |
| 55° | 710.4 | 638.8 | 557.1 | 486.3 | 432.9 | 393.9 | 370.2 | 357.3 | 348.0 | 338.7 | 327.3 |
| 57.5° | 625.7 | 569.7 | 497.3 | 432.5 | 383.4 | 347.9 | 325.8 | 313.3 | 306.0 | 301.2 | 294.5 |
| 60° | 566.1 | 518.1 | 455.8 | 396.7 | 348.7 | 317.3 | 295.8 | 286.1 | 280.0 | 276.1 | 271.1 |
| 62.5° | 510.8 | 471.4 | 413.7 | 359.8 | 317.8 | 288.0 | 268.8 | 259.5 | 253.6 | 251.8 | 247.5 |
| 65° | 429.3 | 398.9 | 351.3 | 306.5 | 270.7 | 245.2 | 229.1 | 220.2 | 216.6 | 214.4 | 214.8 |
| 67.5° | 349.0 | 330.5 | 292.3 | 254.1 | 225.5 | 204.2 | 191.2 | 184.4 | 182.6 | 179.7 | 179.6 |
| 70° | 300.0 | 286.1 | 253.8 | 220.6 | 195.1 | 178.7 | 167.2 | 160.0 | 158.3 | 156.8 | 156.5 |
| 72.5° | 256.7 | 244.6 | 216.6 | 189.9 | 167.1 | 152.6 | 143.2 | 138.8 | 135.9 | 135.1 | 135.0 |
| 75° | 193.0 | 186.2 | 164.0 | 142.9 | 127.1 | 117.1 | 110.7 | 106.7 | 104.5 | 104.2 | 104.5 |
| 77.5° | 137.2 | 131.3 | 117.2 | 102.2 | 92.3 | 84.6 | 79.2 | 77.9 | 75.4 | 75.5 | 75.1 |
| 80° | 103.1 | 99.2 | 90.2 | 78.4 | 70.2 | 63.7 | 60.9 | 58.3 | 57.7 | 56.6 | 57.7 |
| 82.5° | 74.7 | 70.5 | 64.5 | 56.9 | 50.1 | 46.3 | 43.4 | 42.6 | 42.1 | 41.7 | 41.8 |
| 85° | 36.9 | 37.2 | 33.6 | 27.9 | 25.1 | 22.9 | 21.1 | 21.1 | 20.7 | 20.5 | 20.7 |
| 87.5° | 14.0 | 13.2 | 12.0 | 10.8 | 9.2 | 8.2 | 7.6 | 7.8 | 7.1 | 7.0 | 7.5 |
| 90° | 7.0 | 5.9 | 5.4 | 4.3 | 3.2 | 2.2 | 1.0 | 0.6 | 1.0 | 2.2 | 3.2 |
| 92.5° | 122.7 | 73.4 | 44.1 | 28.4 | 19.1 | 12.4 | 7.9 | 6.6 | 7.9 | 12.4 | 19.1 |
| 95° | 240.3 | 122.1 | 64.6 | 40.3 | 28.5 | 22.6 | 18.3 | 17.7 | 18.3 | 22.6 | 28.5 |
| 97.5° | 191.8 | 105.2 | 67.1 | 49.7 | 39.0 | 33.1 | 30.1 | 29.5 | 30.1 | 33.1 | 39.0 |
| 100° | 174.2 | 104.3 | 73.1 | 57.0 | 46.8 | 40.9 | 38.7 | 37.6 | 38.7 | 40.9 | 46.8 |
| 102.5° | 166.9 | 108.2 | 80.4 | 64.8 | 55.4 | 49.0 | 47.3 | 46.7 | 47.3 | 49.0 | 55.4 |
| 105° | 164.0 | 116.1 | 92.5 | 77.4 | 68.8 | 63.4 | 60.8 | 60.8 | 60.8 | 63.4 | 68.8 |
| 107.5° | 168.9 | 128.0 | 105.1 | 91.5 | 82.6 | 78.1 | 75.6 | 74.6 | 75.6 | 78.1 | 82.6 |
| 110° | 173.6 | 136.6 | 114.5 | 100.6 | 92.5 | 87.7 | 85.5 | 84.5 | 85.5 | 87.7 | 92.5 |



TEST NUMBER: P333171-830

CATALOG NUMBER: S125DIP-S610D590U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 179.6 | 144.8 | 123.6 | 110.0 | 102.0 | 97.1 | 95.4 | 94.3 | 95.4 | 97.1 | 102.0 |
| 115° | 188.7 | 157.5 | 137.6 | 124.2 | 116.1 | 111.3 | 109.7 | 108.6 | 109.7 | 111.3 | 116.1 |
| 117.5° | 199.1 | 170.7 | 151.8 | 138.8 | 129.7 | 124.9 | 123.1 | 121.5 | 123.1 | 124.9 | 129.7 |
| 120° | 205.9 | 180.1 | 161.3 | 147.9 | 138.7 | 133.8 | 131.8 | 130.1 | 131.8 | 133.8 | 138.7 |
| 122.5° | 213.7 | 189.2 | 170.3 | 156.9 | 146.8 | 142.0 | 140.3 | 139.1 | 140.3 | 142.0 | 146.8 |
| 125° | 224.2 | 201.0 | 183.3 | 169.4 | 159.1 | 154.3 | 151.7 | 150.5 | 151.7 | 154.3 | 159.1 |
| 127.5° | 233.8 | 212.5 | 195.5 | 181.5 | 170.7 | 164.6 | 161.1 | 159.5 | 161.1 | 164.6 | 170.7 |
| 130° | 240.3 | 219.9 | 203.2 | 189.3 | 178.0 | 171.0 | 166.6 | 165.0 | 166.6 | 171.0 | 178.0 |
| 132.5° | 245.9 | 226.8 | 210.1 | 196.1 | 184.5 | 176.5 | 171.4 | 169.4 | 171.4 | 176.5 | 184.5 |
| 135° | 253.7 | 236.0 | 219.3 | 204.8 | 193.6 | 184.9 | 178.5 | 176.3 | 178.5 | 184.9 | 193.6 |
| 137.5° | 259.6 | 242.6 | 227.4 | 212.4 | 201.4 | 192.8 | 186.8 | 185.2 | 186.8 | 192.8 | 201.4 |
| 140° | 263.4 | 247.3 | 231.8 | 217.3 | 207.0 | 198.4 | 191.9 | 190.3 | 191.9 | 198.4 | 207.0 |
| 142.5° | 265.6 | 250.3 | 235.6 | 222.0 | 212.2 | 203.6 | 197.6 | 196.3 | 197.6 | 203.6 | 212.2 |
| 145° | 268.8 | 255.4 | 241.4 | 229.0 | 219.3 | 211.8 | 206.4 | 205.4 | 206.4 | 211.8 | 219.3 |
| 147.5° | 270.8 | 258.6 | 246.4 | 235.4 | 227.1 | 220.1 | 215.5 | 214.8 | 215.5 | 220.1 | 227.1 |
| 150° | 272.0 | 260.8 | 248.9 | 239.8 | 232.2 | 225.3 | 221.5 | 220.5 | 221.5 | 225.3 | 232.2 |
| 152.5° | 272.9 | 262.9 | 251.9 | 243.6 | 236.6 | 230.5 | 227.1 | 226.5 | 227.1 | 230.5 | 236.6 |
| 155° | 273.6 | 265.0 | 255.9 | 248.4 | 243.0 | 237.6 | 234.4 | 234.4 | 234.4 | 237.6 | 243.0 |
| 157.5° | 274.2 | 266.9 | 259.0 | 253.4 | 248.6 | 244.0 | 241.4 | 241.5 | 241.4 | 244.0 | 248.6 |
| 160° | 274.2 | 267.8 | 260.8 | 255.9 | 251.7 | 247.9 | 245.7 | 246.3 | 245.7 | 247.9 | 251.7 |
| 162.5° | 273.8 | 268.6 | 262.5 | 258.5 | 255.1 | 251.8 | 249.6 | 250.2 | 249.6 | 251.8 | 255.1 |
| 165° | 273.1 | 268.8 | 264.6 | 261.3 | 259.1 | 256.5 | 254.9 | 255.9 | 254.9 | 256.5 | 259.1 |
| 167.5° | 271.8 | 268.8 | 265.2 | 263.3 | 261.7 | 260.2 | 259.3 | 259.8 | 259.3 | 260.2 | 261.7 |
| 170° | 271.0 | 268.8 | 266.2 | 264.6 | 263.4 | 262.4 | 261.8 | 262.4 | 261.8 | 262.4 | 263.4 |
| 172.5° | 270.1 | 268.4 | 266.2 | 265.4 | 264.8 | 263.6 | 263.2 | 264.1 | 263.2 | 263.6 | 264.8 |
| 175° | 268.8 | 267.8 | 266.2 | 266.2 | 266.2 | 265.6 | 265.0 | 266.2 | 265.0 | 265.6 | 266.2 |
| 177.5° | 267.5 | 267.1 | 266.3 | 266.3 | 266.6 | 266.3 | 266.3 | 267.1 | 266.3 | 266.3 | 266.6 |
| 180° | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 |



TEST NUMBER: P333171-830

CATALOG NUMBER: S125DIP-S610D590U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 |
| 2.5° | 829.0 | 825.8 | 823.2 | 817.5 | 814.4 | 810.0 | 806.6 | 810.3 | 806.3 | 808.0 | 805.5 |
| 5° | 803.1 | 793.1 | 785.9 | 775.5 | 766.6 | 758.4 | 752.2 | 751.2 | 748.3 | 746.9 | 742.6 |
| 7.5° | 772.0 | 759.5 | 747.2 | 733.6 | 722.1 | 710.5 | 702.9 | 696.8 | 692.8 | 687.4 | 683.7 |
| 10° | 753.7 | 736.9 | 722.6 | 706.1 | 691.7 | 679.2 | 669.2 | 664.2 | 659.5 | 652.7 | 650.3 |
| 12.5° | 731.0 | 713.7 | 696.2 | 678.5 | 664.9 | 650.8 | 642.2 | 634.7 | 631.5 | 623.8 | 623.0 |
| 15° | 703.9 | 677.8 | 660.6 | 642.7 | 623.7 | 612.3 | 605.1 | 596.9 | 593.3 | 588.0 | 584.0 |
| 17.5° | 671.6 | 648.2 | 626.7 | 608.2 | 591.9 | 582.3 | 573.3 | 567.7 | 561.6 | 558.1 | 551.6 |
| 20° | 648.1 | 625.8 | 604.4 | 584.7 | 572.1 | 561.1 | 553.9 | 548.6 | 542.1 | 540.3 | 533.9 |
| 22.5° | 628.3 | 603.8 | 583.2 | 566.7 | 553.0 | 540.5 | 532.7 | 529.0 | 524.6 | 519.1 | 517.8 |
| 25° | 596.2 | 570.7 | 553.2 | 536.7 | 524.5 | 513.1 | 507.7 | 503.0 | 498.8 | 494.8 | 493.4 |
| 27.5° | 568.4 | 545.6 | 524.8 | 509.9 | 499.4 | 488.9 | 484.2 | 478.5 | 475.3 | 472.2 | 468.3 |
| 30° | 548.9 | 525.7 | 507.4 | 493.0 | 481.5 | 472.3 | 467.2 | 463.4 | 460.4 | 457.6 | 455.4 |
| 32.5° | 528.9 | 507.3 | 489.6 | 475.6 | 464.1 | 457.1 | 452.6 | 449.9 | 446.7 | 443.3 | 440.5 |
| 35° | 502.4 | 478.7 | 461.6 | 449.3 | 440.4 | 435.0 | 430.0 | 427.5 | 424.0 | 424.0 | 421.0 |
| 37.5° | 472.5 | 452.0 | 436.9 | 425.7 | 417.7 | 412.9 | 407.6 | 405.9 | 403.5 | 402.0 | 401.1 |
| 40° | 454.7 | 435.7 | 421.4 | 410.3 | 401.7 | 397.8 | 393.5 | 390.6 | 389.2 | 387.4 | 386.7 |
| 42.5° | 436.4 | 418.3 | 404.5 | 394.3 | 386.8 | 383.4 | 379.5 | 377.5 | 374.6 | 372.2 | 371.8 |
| 45° | 408.5 | 391.0 | 378.4 | 370.2 | 363.8 | 359.9 | 357.3 | 353.1 | 351.6 | 348.7 | 348.4 |
| 47.5° | 382.1 | 365.2 | 353.0 | 346.2 | 340.5 | 337.3 | 333.4 | 329.1 | 327.4 | 326.0 | 325.9 |
| 50° | 362.3 | 346.9 | 335.5 | 329.0 | 323.7 | 319.1 | 315.1 | 312.3 | 311.1 | 311.1 | 311.9 |
| 52.5° | 342.3 | 329.2 | 319.4 | 311.6 | 306.5 | 301.5 | 297.9 | 296.1 | 294.5 | 296.2 | 297.6 |
| 55° | 312.9 | 299.7 | 292.6 | 285.0 | 280.0 | 274.3 | 272.5 | 271.7 | 270.7 | 273.5 | 274.9 |
| 57.5° | 281.8 | 272.6 | 264.2 | 256.7 | 252.2 | 248.9 | 246.5 | 246.1 | 248.1 | 249.4 | 254.1 |
| 60° | 262.1 | 251.4 | 243.8 | 238.1 | 232.7 | 230.5 | 229.9 | 229.1 | 230.5 | 234.5 | 240.6 |
| 62.5° | 240.3 | 231.6 | 223.5 | 219.2 | 215.3 | 211.7 | 211.5 | 212.0 | 214.8 | 219.3 | 225.5 |
| 65° | 208.4 | 200.9 | 195.5 | 190.5 | 187.3 | 185.1 | 185.9 | 187.3 | 190.5 | 196.6 | 203.4 |
| 67.5° | 176.0 | 170.8 | 166.0 | 161.9 | 158.8 | 158.8 | 159.6 | 161.7 | 165.5 | 172.5 | 178.7 |
| 70° | 155.0 | 149.3 | 145.3 | 143.5 | 141.1 | 139.7 | 141.8 | 145.3 | 148.5 | 155.0 | 160.4 |
| 72.5° | 134.1 | 129.2 | 126.2 | 125.0 | 123.9 | 122.7 | 123.5 | 127.3 | 131.7 | 138.2 | 144.4 |
| 75° | 103.1 | 101.3 | 99.2 | 97.7 | 96.7 | 97.4 | 98.1 | 101.7 | 105.3 | 112.1 | 119.2 |
| 77.5° | 75.3 | 73.4 | 72.1 | 71.7 | 71.2 | 71.5 | 73.5 | 76.2 | 79.7 | 84.6 | 90.1 |
| 80° | 56.9 | 56.2 | 55.5 | 55.1 | 55.1 | 55.5 | 58.3 | 60.1 | 63.3 | 68.1 | 72.3 |
| 82.5° | 41.5 | 41.0 | 40.9 | 40.8 | 41.1 | 41.2 | 42.9 | 45.2 | 47.9 | 51.5 | 55.1 |
| 85° | 21.9 | 21.1 | 22.2 | 22.5 | 21.9 | 22.9 | 23.7 | 25.1 | 26.1 | 27.9 | 29.7 |
| 87.5° | 8.0 | 8.8 | 8.7 | 9.1 | 9.2 | 10.0 | 9.8 | 11.1 | 11.8 | 12.4 | 12.3 |
| 90° | 4.3 | 5.4 | 5.9 | 7.0 | 7.5 | 8.6 | 9.1 | 9.7 | 10.2 | 10.7 | 11.8 |
| 92.5° | 28.4 | 44.1 | 73.4 | 122.7 | 176.2 | 173.3 | 140.3 | 95.3 | 69.2 | 52.0 | 44.1 |
| 95° | 40.3 | 64.6 | 122.1 | 240.3 | 388.7 | 476.4 | 466.2 | 386.5 | 304.8 | 238.7 | 193.6 |
| 97.5° | 49.7 | 67.1 | 105.2 | 191.8 | 347.1 | 508.7 | 589.8 | 575.7 | 518.4 | 454.0 | 391.2 |
| 100° | 57.0 | 73.1 | 104.3 | 174.2 | 309.7 | 485.5 | 619.9 | 661.3 | 635.0 | 579.6 | 523.7 |
| 102.5° | 64.8 | 80.4 | 108.2 | 166.9 | 281.3 | 444.6 | 601.8 | 690.1 | 706.3 | 679.8 | 642.0 |
| 105° | 77.4 | 92.5 | 116.1 | 164.0 | 253.7 | 389.8 | 544.1 | 673.2 | 746.8 | 770.4 | 764.5 |
| 107.5° | 91.5 | 105.1 | 128.0 | 168.9 | 242.1 | 352.0 | 485.2 | 612.5 | 710.8 | 771.6 | 799.6 |
| 110° | 100.6 | 114.5 | 136.6 | 173.6 | 238.7 | 334.4 | 451.7 | 567.8 | 670.0 | 745.7 | 791.5 |



TEST NUMBER: P333171-830

CATALOG NUMBER: S125DIP-S610D590U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 110.0 | 123.6 | 144.8 | 179.6 | 238.7 | 324.1 | 426.7 | 532.5 | 629.5 | 706.2 | 760.1 |
| 115° | 124.2 | 137.6 | 157.5 | 188.7 | 240.3 | 312.9 | 399.4 | 488.1 | 571.6 | 645.2 | 703.8 |
| 117.5° | 138.8 | 151.8 | 170.7 | 199.1 | 243.8 | 307.5 | 383.2 | 459.6 | 531.4 | 594.8 | 648.7 |
| 120° | 147.9 | 161.3 | 180.1 | 205.9 | 247.3 | 304.8 | 374.2 | 444.1 | 508.6 | 567.8 | 615.1 |
| 122.5° | 156.9 | 170.3 | 189.2 | 213.7 | 250.3 | 302.7 | 366.5 | 432.5 | 492.3 | 545.0 | 589.3 |
| 125° | 169.4 | 183.3 | 201.0 | 224.2 | 255.4 | 300.0 | 355.9 | 415.6 | 470.4 | 517.3 | 555.9 |
| 127.5° | 181.5 | 195.5 | 212.5 | 233.8 | 261.1 | 298.7 | 346.3 | 398.4 | 449.6 | 493.2 | 529.5 |
| 130° | 189.3 | 203.2 | 219.9 | 240.3 | 264.6 | 297.8 | 339.8 | 387.7 | 435.0 | 476.9 | 511.8 |
| 132.5° | 196.1 | 210.1 | 226.8 | 245.9 | 268.4 | 297.8 | 334.6 | 376.9 | 421.2 | 459.3 | 492.9 |
| 135° | 204.8 | 219.3 | 236.0 | 253.7 | 273.6 | 297.8 | 328.5 | 362.9 | 400.0 | 434.4 | 465.1 |
| 137.5° | 212.4 | 227.4 | 242.6 | 259.6 | 278.5 | 298.5 | 323.0 | 351.1 | 381.1 | 409.7 | 435.7 |
| 140° | 217.3 | 231.8 | 247.3 | 263.4 | 280.7 | 299.0 | 320.5 | 344.6 | 369.9 | 394.6 | 417.3 |
| 142.5° | 222.0 | 235.6 | 250.3 | 265.6 | 281.9 | 299.4 | 318.3 | 339.0 | 360.4 | 381.7 | 401.3 |
| 145° | 229.0 | 241.4 | 255.4 | 268.8 | 283.3 | 299.0 | 315.1 | 331.8 | 348.4 | 365.0 | 379.6 |
| 147.5° | 235.4 | 246.4 | 258.6 | 270.8 | 283.9 | 297.6 | 311.7 | 324.9 | 338.4 | 351.2 | 362.1 |
| 150° | 239.8 | 248.9 | 260.8 | 272.0 | 283.9 | 296.2 | 309.2 | 320.9 | 332.8 | 343.0 | 352.7 |
| 152.5° | 243.6 | 251.9 | 262.9 | 272.9 | 283.4 | 294.5 | 306.1 | 316.7 | 327.3 | 336.6 | 344.1 |
| 155° | 248.4 | 255.9 | 265.0 | 273.6 | 282.3 | 291.4 | 301.0 | 310.2 | 318.9 | 326.3 | 332.2 |
| 157.5° | 253.4 | 259.0 | 266.9 | 274.2 | 280.9 | 288.1 | 296.3 | 303.8 | 310.9 | 316.7 | 321.3 |
| 160° | 255.9 | 260.8 | 267.8 | 274.2 | 279.6 | 286.1 | 292.5 | 299.4 | 304.8 | 310.2 | 314.0 |
| 162.5° | 258.5 | 262.5 | 268.6 | 273.8 | 278.3 | 283.4 | 289.1 | 294.7 | 299.7 | 304.2 | 307.6 |
| 165° | 261.3 | 264.6 | 268.8 | 273.1 | 276.4 | 279.6 | 283.9 | 288.1 | 291.9 | 295.2 | 297.8 |
| 167.5° | 263.3 | 265.2 | 268.8 | 271.8 | 273.3 | 275.8 | 278.8 | 281.9 | 284.5 | 286.9 | 288.8 |
| 170° | 264.6 | 266.2 | 268.8 | 271.0 | 272.0 | 273.6 | 275.8 | 278.5 | 280.1 | 281.7 | 282.8 |
| 172.5° | 265.4 | 266.2 | 268.4 | 270.1 | 270.3 | 271.1 | 272.8 | 274.7 | 276.3 | 277.4 | 278.1 |
| 175° | 266.2 | 266.2 | 267.8 | 268.8 | 268.2 | 268.2 | 268.8 | 270.4 | 270.4 | 271.5 | 271.5 |
| 177.5° | 266.3 | 266.3 | 267.1 | 267.5 | 266.6 | 266.6 | 267.1 | 267.5 | 268.0 | 268.0 | 268.0 |
| 180° | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 |



TEST NUMBER: P333171-830

CATALOG NUMBER: S125DIP-S610D590U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 |
| 2.5° | 803.7 | 805.8 | 804.1 | 806.3 | 804.1 | 805.8 | 803.7 | 805.5 | 808.0 | 806.3 | 810.3 |
| 5° | 740.8 | 737.5 | 739.7 | 738.3 | 739.7 | 737.5 | 740.8 | 742.6 | 746.9 | 748.3 | 751.2 |
| 7.5° | 682.7 | 679.6 | 676.1 | 674.4 | 676.1 | 679.6 | 682.7 | 683.7 | 687.4 | 692.8 | 696.8 |
| 10° | 646.3 | 642.3 | 642.0 | 639.5 | 642.0 | 642.3 | 646.3 | 650.3 | 652.7 | 659.5 | 664.2 |
| 12.5° | 619.6 | 616.0 | 611.9 | 610.9 | 611.9 | 616.0 | 619.6 | 623.0 | 623.8 | 631.5 | 634.7 |
| 15° | 581.8 | 579.0 | 576.5 | 578.6 | 576.5 | 579.0 | 581.8 | 584.0 | 588.0 | 593.3 | 596.9 |
| 17.5° | 550.4 | 548.0 | 547.6 | 545.0 | 547.6 | 548.0 | 550.4 | 551.6 | 558.1 | 561.6 | 567.7 |
| 20° | 530.7 | 528.9 | 529.5 | 524.9 | 529.5 | 528.9 | 530.7 | 533.9 | 540.3 | 542.1 | 548.6 |
| 22.5° | 514.9 | 511.3 | 511.0 | 510.0 | 511.0 | 511.3 | 514.9 | 517.8 | 519.1 | 524.6 | 529.0 |
| 25° | 490.2 | 488.4 | 486.6 | 488.4 | 486.6 | 488.4 | 490.2 | 493.4 | 494.8 | 498.8 | 503.0 |
| 27.5° | 468.6 | 466.5 | 466.0 | 466.2 | 466.0 | 466.5 | 468.6 | 468.3 | 472.2 | 475.3 | 478.5 |
| 30° | 455.4 | 451.9 | 452.2 | 451.9 | 452.2 | 451.9 | 455.4 | 455.4 | 457.6 | 460.4 | 463.4 |
| 32.5° | 441.1 | 438.7 | 438.2 | 437.5 | 438.2 | 438.7 | 441.1 | 440.5 | 443.3 | 446.7 | 449.9 |
| 35° | 420.0 | 420.0 | 418.2 | 418.2 | 418.2 | 420.0 | 420.0 | 421.0 | 424.0 | 424.0 | 427.5 |
| 37.5° | 400.1 | 399.8 | 398.7 | 398.9 | 398.7 | 399.8 | 400.1 | 401.1 | 402.0 | 403.5 | 405.9 |
| 40° | 385.2 | 384.9 | 383.8 | 381.6 | 383.8 | 384.9 | 385.2 | 386.7 | 387.4 | 389.2 | 390.6 |
| 42.5° | 371.0 | 369.8 | 369.2 | 368.5 | 369.2 | 369.8 | 371.0 | 371.8 | 372.2 | 374.6 | 377.5 |
| 45° | 348.4 | 348.4 | 347.7 | 347.3 | 347.7 | 348.4 | 348.4 | 348.4 | 348.7 | 351.6 | 353.1 |
| 47.5° | 326.5 | 327.2 | 328.5 | 328.3 | 328.5 | 327.2 | 326.5 | 325.9 | 326.0 | 327.4 | 329.1 |
| 50° | 313.3 | 313.7 | 314.7 | 315.1 | 314.7 | 313.7 | 313.3 | 311.9 | 311.1 | 311.1 | 312.3 |
| 52.5° | 298.7 | 300.8 | 302.1 | 301.9 | 302.1 | 300.8 | 298.7 | 297.6 | 296.2 | 294.5 | 296.1 |
| 55° | 278.2 | 280.7 | 283.2 | 283.6 | 283.2 | 280.7 | 278.2 | 274.9 | 273.5 | 270.7 | 271.7 |
| 57.5° | 258.0 | 261.5 | 264.1 | 264.9 | 264.1 | 261.5 | 258.0 | 254.1 | 249.4 | 248.1 | 246.1 |
| 60° | 244.2 | 248.8 | 252.0 | 253.5 | 252.0 | 248.8 | 244.2 | 240.6 | 234.5 | 230.5 | 229.1 |
| 62.5° | 231.0 | 236.2 | 239.5 | 239.8 | 239.5 | 236.2 | 231.0 | 225.5 | 219.3 | 214.8 | 212.0 |
| 65° | 209.4 | 214.8 | 217.7 | 219.8 | 217.7 | 214.8 | 209.4 | 203.4 | 196.6 | 190.5 | 187.3 |
| 67.5° | 186.2 | 191.6 | 194.8 | 196.5 | 194.8 | 191.6 | 186.2 | 178.7 | 172.5 | 165.5 | 161.7 |
| 70° | 169.4 | 174.7 | 179.0 | 180.5 | 179.0 | 174.7 | 169.4 | 160.4 | 155.0 | 148.5 | 145.3 |
| 72.5° | 152.8 | 157.5 | 161.0 | 162.7 | 161.0 | 157.5 | 152.8 | 144.4 | 138.2 | 131.7 | 127.3 |
| 75° | 123.9 | 130.4 | 133.6 | 135.3 | 133.6 | 130.4 | 123.9 | 119.2 | 112.1 | 105.3 | 101.7 |
| 77.5° | 95.6 | 101.4 | 103.3 | 104.2 | 103.3 | 101.4 | 95.6 | 90.1 | 84.6 | 79.7 | 76.2 |
| 80° | 76.6 | 80.2 | 82.8 | 83.0 | 82.8 | 80.2 | 76.6 | 72.3 | 68.1 | 63.3 | 60.1 |
| 82.5° | 58.9 | 61.8 | 62.7 | 63.6 | 62.7 | 61.8 | 58.9 | 55.1 | 51.5 | 47.9 | 45.2 |
| 85° | 32.2 | 33.6 | 34.0 | 33.6 | 34.0 | 33.6 | 32.2 | 29.7 | 27.9 | 26.1 | 25.1 |
| 87.5° | 13.0 | 12.7 | 12.8 | 13.4 | 12.8 | 12.7 | 13.0 | 12.3 | 12.4 | 11.8 | 11.1 |
| 90° | 11.8 | 11.8 | 12.3 | 12.3 | 12.3 | 11.8 | 11.8 | 11.8 | 10.7 | 10.2 | 9.7 |
| 92.5° | 37.2 | 35.9 | 35.2 | 34.3 | 35.2 | 35.9 | 37.2 | 44.1 | 52.0 | 69.2 | 95.3 |
| 95° | 155.4 | 139.2 | 135.0 | 126.4 | 135.0 | 139.2 | 155.4 | 193.6 | 238.7 | 304.8 | 386.5 |
| 97.5° | 358.0 | 327.8 | 312.3 | 305.4 | 312.3 | 327.8 | 358.0 | 391.2 | 454.0 | 518.4 | 575.7 |
| 100° | 486.5 | 447.9 | 428.0 | 419.3 | 428.0 | 447.9 | 486.5 | 523.7 | 579.6 | 635.0 | 661.3 |
| 102.5° | 602.3 | 574.8 | 553.2 | 546.7 | 553.2 | 574.8 | 602.3 | 642.0 | 679.8 | 706.3 | 690.1 |
| 105° | 747.3 | 729.6 | 718.9 | 712.4 | 718.9 | 729.6 | 747.3 | 764.5 | 770.4 | 746.8 | 673.2 |
| 107.5° | 808.3 | 808.2 | 804.6 | 800.3 | 804.6 | 808.2 | 808.3 | 799.6 | 771.6 | 710.8 | 612.5 |
| 110° | 815.6 | 825.9 | 829.6 | 829.6 | 829.6 | 825.9 | 815.6 | 791.5 | 745.7 | 670.0 | 567.8 |



TEST NUMBER: P333171-830

CATALOG NUMBER: S125DIP-S610D590U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 795.4 | 812.9 | 822.3 | 826.1 | 822.3 | 812.9 | 795.4 | 760.1 | 706.2 | 629.5 | 532.5 |
| 115° | 745.7 | 771.6 | 786.6 | 793.6 | 786.6 | 771.6 | 745.7 | 703.8 | 645.2 | 571.6 | 488.1 |
| 117.5° | 690.6 | 717.3 | 732.2 | 736.5 | 732.2 | 717.3 | 690.6 | 648.7 | 594.8 | 531.4 | 459.6 |
| 120° | 654.9 | 680.7 | 695.2 | 699.5 | 695.2 | 680.7 | 654.9 | 615.1 | 567.8 | 508.6 | 444.1 |
| 122.5° | 624.7 | 648.4 | 662.9 | 666.8 | 662.9 | 648.4 | 624.7 | 589.3 | 545.0 | 492.3 | 432.5 |
| 125° | 586.1 | 608.1 | 619.9 | 625.3 | 619.9 | 608.1 | 586.1 | 555.9 | 517.3 | 470.4 | 415.6 |
| 127.5° | 556.8 | 576.3 | 587.4 | 589.8 | 587.4 | 576.3 | 556.8 | 529.5 | 493.2 | 449.6 | 398.4 |
| 130° | 538.8 | 556.5 | 567.2 | 570.4 | 567.2 | 556.5 | 538.8 | 511.8 | 476.9 | 435.0 | 387.7 |
| 132.5° | 519.8 | 537.5 | 547.4 | 551.1 | 547.4 | 537.5 | 519.8 | 492.9 | 459.3 | 421.2 | 376.9 |
| 135° | 488.7 | 506.4 | 516.1 | 519.3 | 516.1 | 506.4 | 488.7 | 465.1 | 434.4 | 400.0 | 362.9 |
| 137.5° | 456.9 | 473.1 | 481.9 | 485.5 | 481.9 | 473.1 | 456.9 | 435.7 | 409.7 | 381.1 | 351.1 |
| 140° | 437.2 | 451.1 | 459.1 | 461.8 | 459.1 | 451.1 | 437.2 | 417.3 | 394.6 | 369.9 | 344.6 |
| 142.5° | 418.2 | 430.0 | 437.6 | 439.9 | 437.6 | 430.0 | 418.2 | 401.3 | 381.7 | 360.4 | 339.0 |
| 145° | 392.5 | 401.6 | 407.6 | 409.7 | 407.6 | 401.6 | 392.5 | 379.6 | 365.0 | 348.4 | 331.8 |
| 147.5° | 372.4 | 379.7 | 383.1 | 384.1 | 383.1 | 379.7 | 372.4 | 362.1 | 351.2 | 338.4 | 324.9 |
| 150° | 360.8 | 367.2 | 369.4 | 369.9 | 369.4 | 367.2 | 360.8 | 352.7 | 343.0 | 332.8 | 320.9 |
| 152.5° | 350.9 | 356.0 | 358.2 | 358.7 | 358.2 | 356.0 | 350.9 | 344.1 | 336.6 | 327.3 | 316.7 |
| 155° | 337.6 | 341.4 | 343.0 | 343.6 | 343.0 | 341.4 | 337.6 | 332.2 | 326.3 | 318.9 | 310.2 |
| 157.5° | 325.5 | 328.6 | 330.1 | 330.0 | 330.1 | 328.6 | 325.5 | 321.3 | 316.7 | 310.9 | 303.8 |
| 160° | 317.7 | 320.5 | 321.5 | 320.9 | 321.5 | 320.5 | 317.7 | 314.0 | 310.2 | 304.8 | 299.4 |
| 162.5° | 310.5 | 312.7 | 312.9 | 312.8 | 312.9 | 312.7 | 310.5 | 307.6 | 304.2 | 299.7 | 294.7 |
| 165° | 300.0 | 301.0 | 301.0 | 301.0 | 301.0 | 301.0 | 300.0 | 297.8 | 295.2 | 291.9 | 288.1 |
| 167.5° | 289.9 | 290.9 | 290.4 | 290.3 | 290.4 | 290.9 | 289.9 | 288.8 | 286.9 | 284.5 | 281.9 |
| 170° | 283.9 | 284.5 | 284.5 | 283.9 | 284.5 | 284.5 | 283.9 | 282.8 | 281.7 | 280.1 | 278.5 |
| 172.5° | 278.3 | 279.3 | 278.4 | 277.9 | 278.4 | 279.3 | 278.3 | 278.1 | 277.4 | 276.3 | 274.7 |
| 175° | 271.5 | 272.0 | 271.0 | 270.4 | 271.0 | 272.0 | 271.5 | 271.5 | 271.5 | 270.4 | 270.4 |
| 177.5° | 267.5 | 268.0 | 266.6 | 266.6 | 266.6 | 268.0 | 267.5 | 268.0 | 268.0 | 268.0 | 267.5 |
| 180° | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 |



TEST NUMBER: P333171-830

CATALOG NUMBER: S125DIP-S610D590U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 |
| 2.5° | 806.6 | 810.0 | 814.4 | 817.5 | 823.2 | 825.8 | 829.0 | 831.5 | 836.1 | 840.4 | 845.6 |
| 5° | 752.2 | 758.4 | 766.6 | 775.5 | 785.9 | 793.1 | 803.1 | 809.2 | 821.3 | 832.5 | 843.2 |
| 7.5° | 702.9 | 710.5 | 722.1 | 733.6 | 747.2 | 759.5 | 772.0 | 785.9 | 801.4 | 819.8 | 835.0 |
| 10° | 669.2 | 679.2 | 691.7 | 706.1 | 722.6 | 736.9 | 753.7 | 768.7 | 787.7 | 809.2 | 829.2 |
| 12.5° | 642.2 | 650.8 | 664.9 | 678.5 | 696.2 | 713.7 | 731.0 | 751.0 | 773.1 | 796.9 | 822.1 |
| 15° | 605.1 | 612.3 | 623.7 | 642.7 | 660.6 | 677.8 | 703.9 | 722.6 | 750.5 | 776.9 | 807.4 |
| 17.5° | 573.3 | 582.3 | 591.9 | 608.2 | 626.7 | 648.2 | 671.6 | 694.9 | 721.8 | 755.4 | 789.8 |
| 20° | 553.9 | 561.1 | 572.1 | 584.7 | 604.4 | 625.8 | 648.1 | 671.7 | 704.6 | 739.3 | 776.3 |
| 22.5° | 532.7 | 540.5 | 553.0 | 566.7 | 583.2 | 603.8 | 628.3 | 654.2 | 688.6 | 722.7 | 762.8 |
| 25° | 507.7 | 513.1 | 524.5 | 536.7 | 553.2 | 570.7 | 596.2 | 624.8 | 658.8 | 697.9 | 738.7 |
| 27.5° | 484.2 | 488.9 | 499.4 | 509.9 | 524.8 | 545.6 | 568.4 | 597.3 | 629.3 | 668.9 | 714.2 |
| 30° | 467.2 | 472.3 | 481.5 | 493.0 | 507.4 | 525.7 | 548.9 | 576.1 | 610.5 | 649.1 | 696.4 |
| 32.5° | 452.6 | 457.1 | 464.1 | 475.6 | 489.6 | 507.3 | 528.9 | 556.7 | 591.0 | 630.3 | 676.7 |
| 35° | 430.0 | 435.0 | 440.4 | 449.3 | 461.6 | 478.7 | 502.4 | 528.5 | 561.4 | 599.4 | 642.0 |
| 37.5° | 407.6 | 412.9 | 417.7 | 425.7 | 436.9 | 452.0 | 472.5 | 499.7 | 529.5 | 566.1 | 607.0 |
| 40° | 393.5 | 397.8 | 401.7 | 410.3 | 421.4 | 435.7 | 454.7 | 479.1 | 510.6 | 544.6 | 578.6 |
| 42.5° | 379.5 | 383.4 | 386.8 | 394.3 | 404.5 | 418.3 | 436.4 | 460.1 | 489.4 | 521.1 | 551.1 |
| 45° | 357.3 | 359.9 | 363.8 | 370.2 | 378.4 | 391.0 | 408.5 | 429.7 | 454.4 | 484.5 | 507.0 |
| 47.5° | 333.4 | 337.3 | 340.5 | 346.2 | 353.0 | 365.2 | 382.1 | 400.1 | 422.5 | 444.9 | 460.7 |
| 50° | 315.1 | 319.1 | 323.7 | 329.0 | 335.5 | 346.9 | 362.3 | 380.6 | 399.5 | 416.8 | 430.4 |
| 52.5° | 297.9 | 301.5 | 306.5 | 311.6 | 319.4 | 329.2 | 342.3 | 358.5 | 377.2 | 389.6 | 400.9 |
| 55° | 272.5 | 274.3 | 280.0 | 285.0 | 292.6 | 299.7 | 312.9 | 327.3 | 338.7 | 348.0 | 357.3 |
| 57.5° | 246.5 | 248.9 | 252.2 | 256.7 | 264.2 | 272.6 | 281.8 | 294.5 | 301.2 | 306.0 | 313.3 |
| 60° | 229.9 | 230.5 | 232.7 | 238.1 | 243.8 | 251.4 | 262.1 | 271.1 | 276.1 | 280.0 | 286.1 |
| 62.5° | 211.5 | 211.7 | 215.3 | 219.2 | 223.5 | 231.6 | 240.3 | 247.5 | 251.8 | 253.6 | 259.5 |
| 65° | 185.9 | 185.1 | 187.3 | 190.5 | 195.5 | 200.9 | 208.4 | 214.8 | 214.4 | 216.6 | 220.2 |
| 67.5° | 159.6 | 158.8 | 158.8 | 161.9 | 166.0 | 170.8 | 176.0 | 179.6 | 179.7 | 182.6 | 184.4 |
| 70° | 141.8 | 139.7 | 141.1 | 143.5 | 145.3 | 149.3 | 155.0 | 156.5 | 156.8 | 158.3 | 160.0 |
| 72.5° | 123.5 | 122.7 | 123.9 | 125.0 | 126.2 | 129.2 | 134.1 | 135.0 | 135.1 | 135.9 | 138.8 |
| 75° | 98.1 | 97.4 | 96.7 | 97.7 | 99.2 | 101.3 | 103.1 | 104.5 | 104.2 | 104.5 | 106.7 |
| 77.5° | 73.5 | 71.5 | 71.2 | 71.7 | 72.1 | 73.4 | 75.3 | 75.1 | 75.5 | 75.4 | 77.9 |
| 80° | 58.3 | 55.5 | 55.1 | 55.1 | 55.5 | 56.2 | 56.9 | 57.7 | 56.6 | 57.7 | 58.3 |
| 82.5° | 42.9 | 41.2 | 41.1 | 40.8 | 40.9 | 41.0 | 41.5 | 41.8 | 41.7 | 42.1 | 42.6 |
| 85° | 23.7 | 22.9 | 21.9 | 22.5 | 22.2 | 21.1 | 21.9 | 20.7 | 20.5 | 20.7 | 21.1 |
| 87.5° | 9.8 | 10.0 | 9.2 | 9.1 | 8.7 | 8.8 | 8.0 | 7.5 | 7.0 | 7.1 | 7.8 |
| 90° | 9.1 | 8.6 | 7.5 | 7.0 | 5.9 | 5.4 | 4.3 | 3.2 | 2.2 | 1.0 | 0.6 |
| 92.5° | 140.3 | 173.3 | 176.2 | 122.7 | 73.4 | 44.1 | 28.4 | 19.1 | 12.4 | 7.9 | 6.6 |
| 95° | 466.2 | 476.4 | 388.7 | 240.3 | 122.1 | 64.6 | 40.3 | 28.5 | 22.6 | 18.3 | 17.7 |
| 97.5° | 589.8 | 508.7 | 347.1 | 191.8 | 105.2 | 67.1 | 49.7 | 39.0 | 33.1 | 30.1 | 29.5 |
| 100° | 619.9 | 485.5 | 309.7 | 174.2 | 104.3 | 73.1 | 57.0 | 46.8 | 40.9 | 38.7 | 37.6 |
| 102.5° | 601.8 | 444.6 | 281.3 | 166.9 | 108.2 | 80.4 | 64.8 | 55.4 | 49.0 | 47.3 | 46.7 |
| 105° | 544.1 | 389.8 | 253.7 | 164.0 | 116.1 | 92.5 | 77.4 | 68.8 | 63.4 | 60.8 | 60.8 |
| 107.5° | 485.2 | 352.0 | 242.1 | 168.9 | 128.0 | 105.1 | 91.5 | 82.6 | 78.1 | 75.6 | 74.6 |
| 110° | 451.7 | 334.4 | 238.7 | 173.6 | 136.6 | 114.5 | 100.6 | 92.5 | 87.7 | 85.5 | 84.5 |



TEST NUMBER: P333171-830

CATALOG NUMBER: S125DIP-S610D590U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 426.7 | 324.1 | 238.7 | 179.6 | 144.8 | 123.6 | 110.0 | 102.0 | 97.1 | 95.4 | 94.3 |
| 115° | 399.4 | 312.9 | 240.3 | 188.7 | 157.5 | 137.6 | 124.2 | 116.1 | 111.3 | 109.7 | 108.6 |
| 117.5° | 383.2 | 307.5 | 243.8 | 199.1 | 170.7 | 151.8 | 138.8 | 129.7 | 124.9 | 123.1 | 121.5 |
| 120° | 374.2 | 304.8 | 247.3 | 205.9 | 180.1 | 161.3 | 147.9 | 138.7 | 133.8 | 131.8 | 130.1 |
| 122.5° | 366.5 | 302.7 | 250.3 | 213.7 | 189.2 | 170.3 | 156.9 | 146.8 | 142.0 | 140.3 | 139.1 |
| 125° | 355.9 | 300.0 | 255.4 | 224.2 | 201.0 | 183.3 | 169.4 | 159.1 | 154.3 | 151.7 | 150.5 |
| 127.5° | 346.3 | 298.7 | 261.1 | 233.8 | 212.5 | 195.5 | 181.5 | 170.7 | 164.6 | 161.1 | 159.5 |
| 130° | 339.8 | 297.8 | 264.6 | 240.3 | 219.9 | 203.2 | 189.3 | 178.0 | 171.0 | 166.6 | 165.0 |
| 132.5° | 334.6 | 297.8 | 268.4 | 245.9 | 226.8 | 210.1 | 196.1 | 184.5 | 176.5 | 171.4 | 169.4 |
| 135° | 328.5 | 297.8 | 273.6 | 253.7 | 236.0 | 219.3 | 204.8 | 193.6 | 184.9 | 178.5 | 176.3 |
| 137.5° | 323.0 | 298.5 | 278.5 | 259.6 | 242.6 | 227.4 | 212.4 | 201.4 | 192.8 | 186.8 | 185.2 |
| 140° | 320.5 | 299.0 | 280.7 | 263.4 | 247.3 | 231.8 | 217.3 | 207.0 | 198.4 | 191.9 | 190.3 |
| 142.5° | 318.3 | 299.4 | 281.9 | 265.6 | 250.3 | 235.6 | 222.0 | 212.2 | 203.6 | 197.6 | 196.3 |
| 145° | 315.1 | 299.0 | 283.3 | 268.8 | 255.4 | 241.4 | 229.0 | 219.3 | 211.8 | 206.4 | 205.4 |
| 147.5° | 311.7 | 297.6 | 283.9 | 270.8 | 258.6 | 246.4 | 235.4 | 227.1 | 220.1 | 215.5 | 214.8 |
| 150° | 309.2 | 296.2 | 283.9 | 272.0 | 260.8 | 248.9 | 239.8 | 232.2 | 225.3 | 221.5 | 220.5 |
| 152.5° | 306.1 | 294.5 | 283.4 | 272.9 | 262.9 | 251.9 | 243.6 | 236.6 | 230.5 | 227.1 | 226.5 |
| 155° | 301.0 | 291.4 | 282.3 | 273.6 | 265.0 | 255.9 | 248.4 | 243.0 | 237.6 | 234.4 | 234.4 |
| 157.5° | 296.3 | 288.1 | 280.9 | 274.2 | 266.9 | 259.0 | 253.4 | 248.6 | 244.0 | 241.4 | 241.5 |
| 160° | 292.5 | 286.1 | 279.6 | 274.2 | 267.8 | 260.8 | 255.9 | 251.7 | 247.9 | 245.7 | 246.3 |
| 162.5° | 289.1 | 283.4 | 278.3 | 273.8 | 268.6 | 262.5 | 258.5 | 255.1 | 251.8 | 249.6 | 250.2 |
| 165° | 283.9 | 279.6 | 276.4 | 273.1 | 268.8 | 264.6 | 261.3 | 259.1 | 256.5 | 254.9 | 255.9 |
| 167.5° | 278.8 | 275.8 | 273.3 | 271.8 | 268.8 | 265.2 | 263.3 | 261.7 | 260.2 | 259.3 | 259.8 |
| 170° | 275.8 | 273.6 | 272.0 | 271.0 | 268.8 | 266.2 | 264.6 | 263.4 | 262.4 | 261.8 | 262.4 |
| 172.5° | 272.8 | 271.1 | 270.3 | 270.1 | 268.4 | 266.2 | 265.4 | 264.8 | 263.6 | 263.2 | 264.1 |
| 175° | 268.8 | 268.2 | 268.2 | 268.8 | 267.8 | 266.2 | 266.2 | 266.2 | 265.6 | 265.0 | 266.2 |
| 177.5° | 267.1 | 266.6 | 266.6 | 267.5 | 267.1 | 266.3 | 266.3 | 266.6 | 266.3 | 266.3 | 267.1 |
| 180° | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 |



TEST NUMBER: P333171-830

CATALOG NUMBER: S125DIP-S610D590U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0° | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 |
| 2.5° | 848.2 | 852.2 | 854.7 | 859.6 | 863.7 | 865.9 | 867.9 | 869.6 | 871.7 | 873.4 | 878.3 |
| 5° | 853.6 | 862.9 | 870.8 | 883.0 | 894.1 | 902.7 | 911.9 | 920.2 | 927.0 | 936.7 | 944.1 |
| 7.5° | 851.2 | 867.8 | 885.1 | 903.9 | 923.2 | 941.1 | 957.5 | 973.0 | 986.9 | 1003.8 | 1018.6 |
| 10° | 848.9 | 871.5 | 893.7 | 919.1 | 945.3 | 967.4 | 988.3 | 1009.4 | 1024.7 | 1046.2 | 1064.5 |
| 12.5° | 847.3 | 873.8 | 900.6 | 931.1 | 959.9 | 991.2 | 1018.9 | 1034.3 | 1057.7 | 1074.9 | 1096.6 |
| 15° | 840.0 | 875.1 | 911.9 | 946.3 | 987.1 | 1016.2 | 1040.5 | 1070.5 | 1092.4 | 1114.3 | 1137.8 |
| 17.5° | 827.0 | 866.8 | 908.0 | 953.1 | 992.2 | 1023.4 | 1054.7 | 1083.7 | 1109.8 | 1139.1 | 1168.6 |
| 20° | 821.0 | 860.7 | 908.0 | 954.2 | 992.5 | 1025.1 | 1057.3 | 1089.2 | 1117.9 | 1155.5 | 1189.4 |
| 22.5° | 808.4 | 856.5 | 900.0 | 945.0 | 984.5 | 1019.9 | 1056.5 | 1092.6 | 1130.7 | 1173.2 | 1215.8 |
| 25° | 785.9 | 834.6 | 880.8 | 925.2 | 965.0 | 1009.4 | 1048.4 | 1096.7 | 1145.4 | 1201.6 | 1254.6 |
| 27.5° | 762.6 | 809.2 | 851.5 | 894.4 | 940.8 | 991.0 | 1041.6 | 1096.5 | 1160.3 | 1231.1 | 1306.0 |
| 30° | 743.7 | 787.7 | 828.9 | 872.9 | 921.2 | 977.8 | 1033.3 | 1098.5 | 1172.2 | 1252.1 | 1340.9 |
| 32.5° | 721.6 | 762.2 | 802.3 | 848.9 | 901.5 | 961.2 | 1025.9 | 1097.3 | 1186.0 | 1276.8 | 1368.1 |
| 35° | 683.9 | 717.9 | 759.0 | 808.8 | 868.3 | 936.7 | 1011.5 | 1096.0 | 1197.7 | 1301.8 | 1378.8 |
| 37.5° | 639.1 | 670.8 | 714.2 | 768.7 | 831.0 | 904.5 | 993.3 | 1093.4 | 1201.5 | 1284.5 | 1309.4 |
| 40° | 609.1 | 638.4 | 683.5 | 740.1 | 803.8 | 881.6 | 978.9 | 1084.9 | 1189.4 | 1242.5 | 1222.0 |
| 42.5° | 576.9 | 607.8 | 651.8 | 707.8 | 776.3 | 860.9 | 960.8 | 1066.9 | 1154.5 | 1174.5 | 1104.0 |
| 45° | 526.3 | 558.2 | 601.5 | 658.1 | 731.9 | 823.5 | 927.7 | 1024.0 | 1074.5 | 1038.3 | 929.2 |
| 47.5° | 479.3 | 509.2 | 549.3 | 607.7 | 683.8 | 778.6 | 878.9 | 955.7 | 959.8 | 873.5 | 756.9 |
| 50° | 447.2 | 474.8 | 515.2 | 573.6 | 649.1 | 745.1 | 835.7 | 896.2 | 869.0 | 771.3 | 659.2 |
| 52.5° | 415.7 | 442.7 | 482.6 | 540.4 | 615.1 | 702.9 | 787.3 | 829.7 | 778.4 | 678.2 | 582.4 |
| 55° | 370.2 | 393.9 | 432.9 | 486.3 | 557.1 | 638.8 | 710.4 | 725.0 | 658.5 | 559.6 | 481.9 |
| 57.5° | 325.8 | 347.9 | 383.4 | 432.5 | 497.3 | 569.7 | 625.7 | 622.5 | 552.1 | 467.3 | 405.7 |
| 60° | 295.8 | 317.3 | 348.7 | 396.7 | 455.8 | 518.1 | 566.1 | 554.6 | 484.8 | 411.8 | 359.9 |
| 62.5° | 268.8 | 288.0 | 317.8 | 359.8 | 413.7 | 471.4 | 510.8 | 493.9 | 425.5 | 361.7 | 320.6 |
| 65° | 229.1 | 245.2 | 270.7 | 306.5 | 351.3 | 398.9 | 429.3 | 407.5 | 349.1 | 299.4 | 266.4 |
| 67.5° | 191.2 | 204.2 | 225.5 | 254.1 | 292.3 | 330.5 | 349.0 | 327.1 | 280.3 | 244.0 | 219.6 |
| 70° | 167.2 | 178.7 | 195.1 | 220.6 | 253.8 | 286.1 | 300.0 | 280.3 | 240.3 | 209.1 | 191.5 |
| 72.5° | 143.2 | 152.6 | 167.1 | 189.9 | 216.6 | 244.6 | 256.7 | 238.0 | 205.0 | 178.7 | 162.3 |
| 75° | 110.7 | 117.1 | 127.1 | 142.9 | 164.0 | 186.2 | 193.0 | 176.5 | 155.4 | 135.7 | 125.0 |
| 77.5° | 79.2 | 84.6 | 92.3 | 102.2 | 117.2 | 131.3 | 137.2 | 127.7 | 111.3 | 98.9 | 90.1 |
| 80° | 60.9 | 63.7 | 70.2 | 78.4 | 90.2 | 99.2 | 103.1 | 97.0 | 85.6 | 76.3 | 69.5 |
| 82.5° | 43.4 | 46.3 | 50.1 | 56.9 | 64.5 | 70.5 | 74.7 | 70.7 | 62.4 | 55.0 | 51.1 |
| 85° | 21.1 | 22.9 | 25.1 | 27.9 | 33.6 | 37.2 | 36.9 | 34.4 | 31.1 | 28.3 | 26.1 |
| 87.5° | 7.6 | 8.2 | 9.2 | 10.8 | 12.0 | 13.2 | 14.0 | 13.6 | 12.6 | 11.9 | 11.1 |
| 90° | 1.0 | 2.2 | 3.2 | 4.3 | 5.4 | 5.9 | 7.0 | 7.5 | 8.6 | 9.1 | 9.7 |
| 92.5° | 7.9 | 12.4 | 19.1 | 28.4 | 44.1 | 73.4 | 122.7 | 176.2 | 173.3 | 140.3 | 95.3 |
| 95° | 18.3 | 22.6 | 28.5 | 40.3 | 64.6 | 122.1 | 240.3 | 388.7 | 476.4 | 466.2 | 386.5 |
| 97.5° | 30.1 | 33.1 | 39.0 | 49.7 | 67.1 | 105.2 | 191.8 | 347.1 | 508.7 | 589.8 | 575.7 |
| 100° | 38.7 | 40.9 | 46.8 | 57.0 | 73.1 | 104.3 | 174.2 | 309.7 | 485.5 | 619.9 | 661.3 |
| 102.5° | 47.3 | 49.0 | 55.4 | 64.8 | 80.4 | 108.2 | 166.9 | 281.3 | 444.6 | 601.8 | 690.1 |
| 105° | 60.8 | 63.4 | 68.8 | 77.4 | 92.5 | 116.1 | 164.0 | 253.7 | 389.8 | 544.1 | 673.2 |
| 107.5° | 75.6 | 78.1 | 82.6 | 91.5 | 105.1 | 128.0 | 168.9 | 242.1 | 352.0 | 485.2 | 612.5 |
| 110° | 85.5 | 87.7 | 92.5 | 100.6 | 114.5 | 136.6 | 173.6 | 238.7 | 334.4 | 451.7 | 567.8 |



TEST NUMBER: P333171-830

CATALOG NUMBER: S125DIP-S610D590U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 95.4 | 97.1 | 102.0 | 110.0 | 123.6 | 144.8 | 179.6 | 238.7 | 324.1 | 426.7 | 532.5 |
| 115° | 109.7 | 111.3 | 116.1 | 124.2 | 137.6 | 157.5 | 188.7 | 240.3 | 312.9 | 399.4 | 488.1 |
| 117.5° | 123.1 | 124.9 | 129.7 | 138.8 | 151.8 | 170.7 | 199.1 | 243.8 | 307.5 | 383.2 | 459.6 |
| 120° | 131.8 | 133.8 | 138.7 | 147.9 | 161.3 | 180.1 | 205.9 | 247.3 | 304.8 | 374.2 | 444.1 |
| 122.5° | 140.3 | 142.0 | 146.8 | 156.9 | 170.3 | 189.2 | 213.7 | 250.3 | 302.7 | 366.5 | 432.5 |
| 125° | 151.7 | 154.3 | 159.1 | 169.4 | 183.3 | 201.0 | 224.2 | 255.4 | 300.0 | 355.9 | 415.6 |
| 127.5° | 161.1 | 164.6 | 170.7 | 181.5 | 195.5 | 212.5 | 233.8 | 261.1 | 298.7 | 346.3 | 398.4 |
| 130° | 166.6 | 171.0 | 178.0 | 189.3 | 203.2 | 219.9 | 240.3 | 264.6 | 297.8 | 339.8 | 387.7 |
| 132.5° | 171.4 | 176.5 | 184.5 | 196.1 | 210.1 | 226.8 | 245.9 | 268.4 | 297.8 | 334.6 | 376.9 |
| 135° | 178.5 | 184.9 | 193.6 | 204.8 | 219.3 | 236.0 | 253.7 | 273.6 | 297.8 | 328.5 | 362.9 |
| 137.5° | 186.8 | 192.8 | 201.4 | 212.4 | 227.4 | 242.6 | 259.6 | 278.5 | 298.5 | 323.0 | 351.1 |
| 140° | 191.9 | 198.4 | 207.0 | 217.3 | 231.8 | 247.3 | 263.4 | 280.7 | 299.0 | 320.5 | 344.6 |
| 142.5° | 197.6 | 203.6 | 212.2 | 222.0 | 235.6 | 250.3 | 265.6 | 281.9 | 299.4 | 318.3 | 339.0 |
| 145° | 206.4 | 211.8 | 219.3 | 229.0 | 241.4 | 255.4 | 268.8 | 283.3 | 299.0 | 315.1 | 331.8 |
| 147.5° | 215.5 | 220.1 | 227.1 | 235.4 | 246.4 | 258.6 | 270.8 | 283.9 | 297.6 | 311.7 | 324.9 |
| 150° | 221.5 | 225.3 | 232.2 | 239.8 | 248.9 | 260.8 | 272.0 | 283.9 | 296.2 | 309.2 | 320.9 |
| 152.5° | 227.1 | 230.5 | 236.6 | 243.6 | 251.9 | 262.9 | 272.9 | 283.4 | 294.5 | 306.1 | 316.7 |
| 155° | 234.4 | 237.6 | 243.0 | 248.4 | 255.9 | 265.0 | 273.6 | 282.3 | 291.4 | 301.0 | 310.2 |
| 157.5° | 241.4 | 244.0 | 248.6 | 253.4 | 259.0 | 266.9 | 274.2 | 280.9 | 288.1 | 296.3 | 303.8 |
| 160° | 245.7 | 247.9 | 251.7 | 255.9 | 260.8 | 267.8 | 274.2 | 279.6 | 286.1 | 292.5 | 299.4 |
| 162.5° | 249.6 | 251.8 | 255.1 | 258.5 | 262.5 | 268.6 | 273.8 | 278.3 | 283.4 | 289.1 | 294.7 |
| 165° | 254.9 | 256.5 | 259.1 | 261.3 | 264.6 | 268.8 | 273.1 | 276.4 | 279.6 | 283.9 | 288.1 |
| 167.5° | 259.3 | 260.2 | 261.7 | 263.3 | 265.2 | 268.8 | 271.8 | 273.3 | 275.8 | 278.8 | 281.9 |
| 170° | 261.8 | 262.4 | 263.4 | 264.6 | 266.2 | 268.8 | 271.0 | 272.0 | 273.6 | 275.8 | 278.5 |
| 172.5° | 263.2 | 263.6 | 264.8 | 265.4 | 266.2 | 268.4 | 270.1 | 270.3 | 271.1 | 272.8 | 274.7 |
| 175° | 265.0 | 265.6 | 266.2 | 266.2 | 266.2 | 267.8 | 268.8 | 268.2 | 268.2 | 268.8 | 270.4 |
| 177.5° | 266.3 | 266.3 | 266.6 | 266.3 | 266.3 | 267.1 | 267.5 | 266.6 | 266.6 | 267.1 | 267.5 |
| 180° | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 |



TEST NUMBER: P333171-830

CATALOG NUMBER: S125DIP-S610D590U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 | 843.6 |
| 2.5° | 882.2 | 884.5 | 889.4 | 887.7 | 889.9 | 891.1 | 892.3 |
| 5° | 953.5 | 965.0 | 970.0 | 969.2 | 976.8 | 975.0 | 973.2 |
| 7.5° | 1034.0 | 1046.0 | 1052.7 | 1061.1 | 1066.0 | 1066.3 | 1070.5 |
| 10° | 1079.5 | 1095.2 | 1101.7 | 1110.7 | 1116.4 | 1119.6 | 1119.3 |
| 12.5° | 1114.5 | 1126.8 | 1141.2 | 1145.7 | 1153.4 | 1157.4 | 1155.9 |
| 15° | 1156.5 | 1176.2 | 1191.2 | 1198.7 | 1208.4 | 1211.3 | 1215.2 |
| 17.5° | 1194.0 | 1220.4 | 1238.0 | 1261.3 | 1270.2 | 1275.5 | 1272.3 |
| 20° | 1222.4 | 1257.1 | 1274.7 | 1302.6 | 1318.0 | 1326.3 | 1323.3 |
| 22.5° | 1255.9 | 1293.5 | 1326.0 | 1350.1 | 1373.6 | 1384.7 | 1387.0 |
| 25° | 1313.3 | 1364.9 | 1412.5 | 1444.4 | 1473.4 | 1480.2 | 1495.2 |
| 27.5° | 1377.5 | 1438.3 | 1489.2 | 1522.7 | 1542.9 | 1550.5 | 1555.2 |
| 30° | 1417.9 | 1478.4 | 1516.7 | 1538.1 | 1544.6 | 1543.9 | 1543.2 |
| 32.5° | 1437.7 | 1475.6 | 1482.9 | 1476.9 | 1462.2 | 1449.6 | 1436.6 |
| 35° | 1409.7 | 1381.4 | 1339.1 | 1284.7 | 1244.6 | 1204.1 | 1200.1 |
| 37.5° | 1267.8 | 1177.3 | 1107.0 | 1028.5 | 983.2 | 955.2 | 935.8 |
| 40° | 1134.3 | 1031.5 | 946.3 | 880.1 | 833.9 | 815.7 | 797.8 |
| 42.5° | 989.4 | 891.2 | 815.7 | 760.3 | 725.7 | 705.4 | 691.2 |
| 45° | 803.8 | 717.2 | 658.1 | 618.0 | 590.4 | 574.7 | 565.7 |
| 47.5° | 658.6 | 594.6 | 544.4 | 515.5 | 496.4 | 484.2 | 484.2 |
| 50° | 580.8 | 519.5 | 486.3 | 463.4 | 446.9 | 437.2 | 438.9 |
| 52.5° | 511.7 | 466.0 | 437.5 | 418.3 | 406.1 | 400.2 | 400.0 |
| 55° | 427.9 | 394.9 | 376.4 | 362.3 | 354.1 | 347.3 | 348.7 |
| 57.5° | 366.0 | 338.2 | 325.7 | 314.1 | 308.4 | 305.7 | 301.8 |
| 60° | 327.6 | 306.1 | 295.4 | 286.1 | 280.3 | 278.2 | 274.3 |
| 62.5° | 293.5 | 276.6 | 266.2 | 258.5 | 253.4 | 252.7 | 249.6 |
| 65° | 246.7 | 233.8 | 224.5 | 220.9 | 215.6 | 214.1 | 214.1 |
| 67.5° | 203.4 | 194.2 | 186.9 | 183.6 | 181.3 | 181.6 | 179.8 |
| 70° | 176.2 | 168.6 | 164.0 | 160.4 | 158.6 | 159.0 | 157.5 |
| 72.5° | 154.1 | 145.7 | 141.7 | 139.5 | 137.1 | 138.1 | 137.5 |
| 75° | 116.7 | 112.4 | 110.3 | 108.1 | 106.7 | 105.9 | 105.3 |
| 77.5° | 85.7 | 81.9 | 80.3 | 79.1 | 79.3 | 77.6 | 78.9 |
| 80° | 66.3 | 63.1 | 61.9 | 60.1 | 59.8 | 59.8 | 59.5 |
| 82.5° | 48.4 | 46.7 | 45.9 | 44.4 | 43.7 | 44.3 | 43.4 |
| 85° | 25.1 | 23.7 | 23.3 | 23.3 | 22.5 | 21.9 | 23.7 |
| 87.5° | 11.2 | 10.2 | 10.4 | 10.1 | 10.1 | 9.9 | 9.3 |
| 90° | 10.2 | 10.7 | 11.8 | 11.8 | 11.8 | 12.3 | 12.3 |
| 92.5° | 69.2 | 52.0 | 44.1 | 37.2 | 35.9 | 35.2 | 34.3 |
| 95° | 304.8 | 238.7 | 193.6 | 155.4 | 139.2 | 135.0 | 126.4 |
| 97.5° | 518.4 | 454.0 | 391.2 | 358.0 | 327.8 | 312.3 | 305.4 |
| 100° | 635.0 | 579.6 | 523.7 | 486.5 | 447.9 | 428.0 | 419.3 |
| 102.5° | 706.3 | 679.8 | 642.0 | 602.3 | 574.8 | 553.2 | 546.7 |
| 105° | 746.8 | 770.4 | 764.5 | 747.3 | 729.6 | 718.9 | 712.4 |
| 107.5° | 710.8 | 771.6 | 799.6 | 808.3 | 808.2 | 804.6 | 800.3 |
| 110° | 670.0 | 745.7 | 791.5 | 815.6 | 825.9 | 829.6 | 829.6 |



TEST NUMBER: P333171-830

CATALOG NUMBER: S125DIP-S610D590U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 629.5 | 706.2 | 760.1 | 795.4 | 812.9 | 822.3 | 826.1 |
| 115° | 571.6 | 645.2 | 703.8 | 745.7 | 771.6 | 786.6 | 793.6 |
| 117.5° | 531.4 | 594.8 | 648.7 | 690.6 | 717.3 | 732.2 | 736.5 |
| 120° | 508.6 | 567.8 | 615.1 | 654.9 | 680.7 | 695.2 | 699.5 |
| 122.5° | 492.3 | 545.0 | 589.3 | 624.7 | 648.4 | 662.9 | 666.8 |
| 125° | 470.4 | 517.3 | 555.9 | 586.1 | 608.1 | 619.9 | 625.3 |
| 127.5° | 449.6 | 493.2 | 529.5 | 556.8 | 576.3 | 587.4 | 589.8 |
| 130° | 435.0 | 476.9 | 511.8 | 538.8 | 556.5 | 567.2 | 570.4 |
| 132.5° | 421.2 | 459.3 | 492.9 | 519.8 | 537.5 | 547.4 | 551.1 |
| 135° | 400.0 | 434.4 | 465.1 | 488.7 | 506.4 | 516.1 | 519.3 |
| 137.5° | 381.1 | 409.7 | 435.7 | 456.9 | 473.1 | 481.9 | 485.5 |
| 140° | 369.9 | 394.6 | 417.3 | 437.2 | 451.1 | 459.1 | 461.8 |
| 142.5° | 360.4 | 381.7 | 401.3 | 418.2 | 430.0 | 437.6 | 439.9 |
| 145° | 348.4 | 365.0 | 379.6 | 392.5 | 401.6 | 407.6 | 409.7 |
| 147.5° | 338.4 | 351.2 | 362.1 | 372.4 | 379.7 | 383.1 | 384.1 |
| 150° | 332.8 | 343.0 | 352.7 | 360.8 | 367.2 | 369.4 | 369.9 |
| 152.5° | 327.3 | 336.6 | 344.1 | 350.9 | 356.0 | 358.2 | 358.7 |
| 155° | 318.9 | 326.3 | 332.2 | 337.6 | 341.4 | 343.0 | 343.6 |
| 157.5° | 310.9 | 316.7 | 321.3 | 325.5 | 328.6 | 330.1 | 330.0 |
| 160° | 304.8 | 310.2 | 314.0 | 317.7 | 320.5 | 321.5 | 320.9 |
| 162.5° | 299.7 | 304.2 | 307.6 | 310.5 | 312.7 | 312.9 | 312.8 |
| 165° | 291.9 | 295.2 | 297.8 | 300.0 | 301.0 | 301.0 | 301.0 |
| 167.5° | 284.5 | 286.9 | 288.8 | 289.9 | 290.9 | 290.4 | 290.3 |
| 170° | 280.1 | 281.7 | 282.8 | 283.9 | 284.5 | 284.5 | 283.9 |
| 172.5° | 276.3 | 277.4 | 278.1 | 278.3 | 279.3 | 278.4 | 277.9 |
| 175° | 270.4 | 271.5 | 271.5 | 271.5 | 272.0 | 271.0 | 270.4 |
| 177.5° | 268.0 | 268.0 | 268.0 | 267.5 | 268.0 | 266.6 | 266.6 |
| 180° | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 |

(END OF REPORT)