

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: P331929-830

Luminaire Tested: **S123DIP-S560D805U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331929-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S560D805U830-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 805 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4850.7 lumens
Efficiency: N/A
Efficacy: 126.3 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: General Diffuse

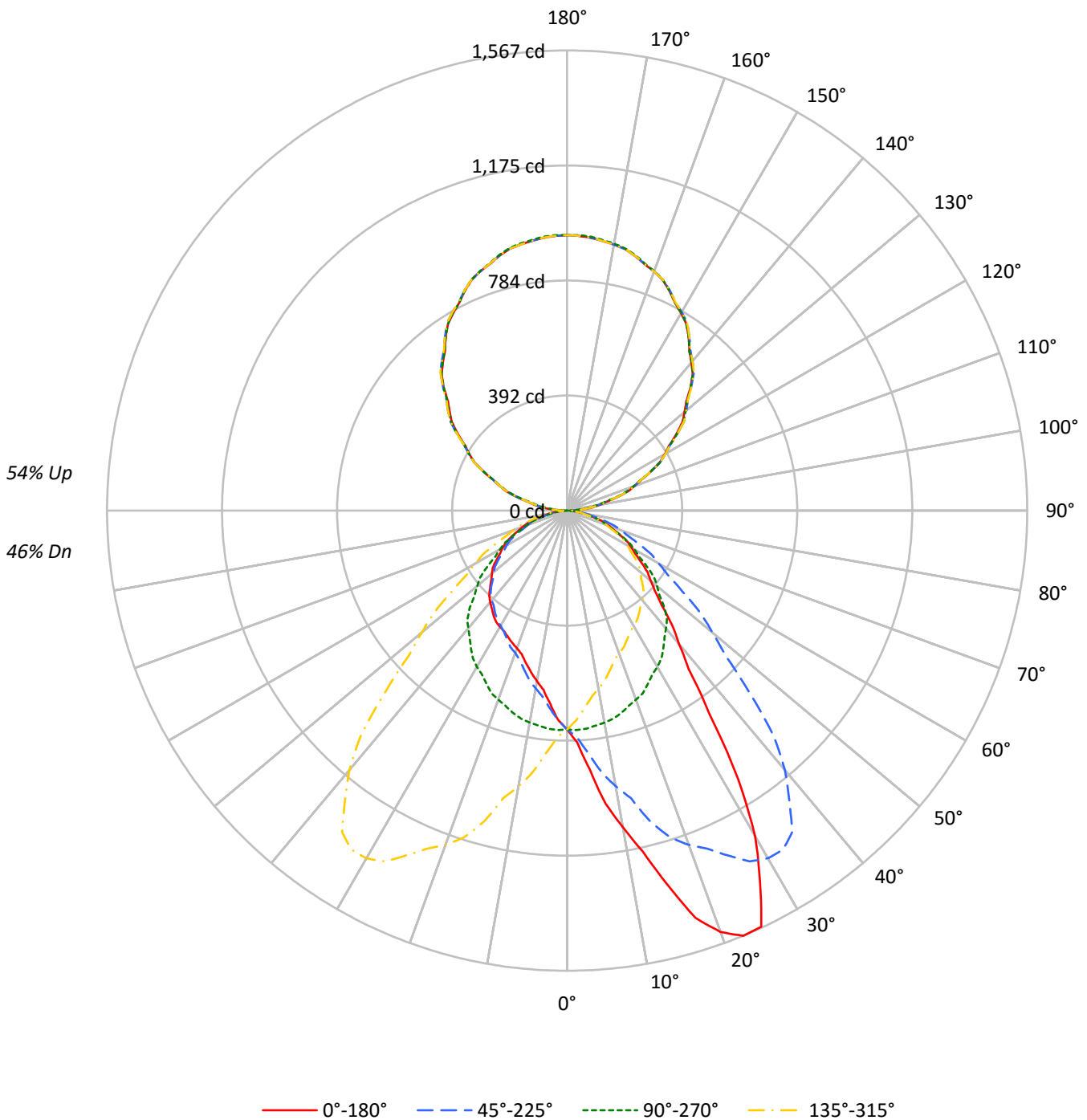
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331929-830

CATALOG NUMBER: S123DIP-S560D805U830-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P331929-830

CATALOG NUMBER: S123DIP-S560D805U830-4F0-1E-UDD-A1

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 | 106 | 106 | 106 | 106 | 98 | 98 | 98 | 98 | 81 | 81 | 81 | 66 | 66 | 66 | 53 | 53 | 53 | 46 |
| 1 | 97 | 93 | 89 | 86 | 89 | 86 | 82 | 79 | 72 | 69 | 67 | 59 | 57 | 56 | 47 | 46 | 45 | 40 |
| 2 | 89 | 81 | 76 | 70 | 81 | 75 | 70 | 66 | 63 | 59 | 56 | 52 | 49 | 47 | 42 | 40 | 38 | 34 |
| 3 | 81 | 72 | 65 | 59 | 74 | 66 | 60 | 55 | 56 | 51 | 47 | 46 | 43 | 40 | 37 | 35 | 33 | 29 |
| 4 | 74 | 64 | 56 | 50 | 68 | 59 | 52 | 47 | 50 | 45 | 41 | 41 | 37 | 34 | 33 | 31 | 28 | 25 |
| 5 | 68 | 57 | 49 | 43 | 62 | 53 | 45 | 40 | 44 | 39 | 35 | 37 | 33 | 30 | 30 | 27 | 25 | 22 |
| 6 | 63 | 51 | 43 | 37 | 58 | 47 | 40 | 35 | 40 | 35 | 31 | 33 | 29 | 26 | 27 | 24 | 22 | 19 |
| 7 | 58 | 46 | 38 | 33 | 53 | 43 | 36 | 31 | 36 | 31 | 27 | 30 | 26 | 23 | 25 | 22 | 20 | 17 |
| 8 | 54 | 42 | 34 | 29 | 49 | 39 | 32 | 27 | 33 | 28 | 24 | 28 | 24 | 21 | 23 | 20 | 18 | 15 |
| 9 | 50 | 38 | 31 | 26 | 46 | 35 | 29 | 24 | 30 | 25 | 21 | 26 | 22 | 19 | 21 | 18 | 16 | 14 |
| 10 | 47 | 35 | 28 | 23 | 43 | 32 | 26 | 22 | 28 | 23 | 19 | 24 | 20 | 17 | 20 | 17 | 14 | 12 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|------|------|------|
| 0° | 8020 | 8020 | 8020 | 8020 |
| 5° | 9564 | 8055 | 7138 | 8055 |
| 10° | 11970 | 8014 | 6446 | 8014 |
| 15° | 14683 | 7949 | 6002 | 7949 |
| 20° | 17491 | 7848 | 5715 | 7848 |
| 25° | 18573 | 7726 | 5651 | 7726 |
| 30° | 15919 | 7636 | 5680 | 7636 |
| 35° | 11071 | 7510 | 5740 | 7510 |
| 40° | 8338 | 7360 | 5722 | 7360 |
| 45° | 6925 | 7138 | 5649 | 7138 |
| 50° | 6203 | 6687 | 5598 | 6687 |
| 55° | 5799 | 6199 | 5527 | 6199 |
| 60° | 5440 | 5690 | 5470 | 5690 |
| 65° | 5112 | 5186 | 5295 | 5186 |
| 70° | 4793 | 4614 | 5042 | 4614 |
| 75° | 4292 | 4038 | 4625 | 4038 |
| 80° | 3756 | 3310 | 3986 | 3310 |
| 85° | 2939 | 2408 | 2680 | 2408 |



TEST NUMBER: P331929-830

CATALOG NUMBER: S123DIP-S560D805U830-4F0-1E-UDD-A1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 73.4 | 1.5 |
| 10°-20° | 235.3 | 4.9 |
| 20°-30° | 395.0 | 8.1 |
| 30°-40° | 447.2 | 9.2 |
| 40°-50° | 401.1 | 8.3 |
| 50°-60° | 323.7 | 6.7 |
| 60°-70° | 225.5 | 4.6 |
| 70°-80° | 118.5 | 2.4 |
| 80°-90° | 31.8 | 0.7 |
| 90°-100° | 61.1 | 1.3 |
| 100°-110° | 182.9 | 3.8 |
| 110°-120° | 311.1 | 6.4 |
| 120°-130° | 409.2 | 8.4 |
| 130°-140° | 460.0 | 9.5 |
| 140°-150° | 452.1 | 9.3 |
| 150°-160° | 380.6 | 7.8 |
| 160°-170° | 253.4 | 5.2 |
| 170°-180° | 88.7 | 1.8 |
| 0°-30° | 703.7 | 14.5 |
| 0°-40° | 1151.0 | 23.7 |
| 0°-60° | 1875.7 | 38.7 |
| 0°-90° | 2251.6 | 46.4 |
| 90°-120° | 555.1 | 11.4 |
| 90°-150° | 1876.4 | 38.7 |
| 90°-180° | 2599.0 | 53.6 |
| 0°-180° | 4850.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|-----|------|------|------|------|
| 0° | 745 | 745 | 745 | 745 | 745 | |
| 5° | 885 | 746 | 661 | 746 | 885 | 92 |
| 15° | 1318 | 713 | 539 | 713 | 1318 | 380 |
| 25° | 1564 | 650 | 476 | 650 | 1564 | 686 |
| 35° | 842 | 572 | 437 | 572 | 842 | 547 |
| 45° | 455 | 469 | 371 | 469 | 455 | 360 |
| 55° | 309 | 330 | 294 | 330 | 309 | 277 |
| 65° | 201 | 204 | 208 | 204 | 201 | 200 |
| 75° | 103 | 97 | 111 | 97 | 103 | 110 |
| 85° | 24 | 20 | 22 | 20 | 24 | 29 |
| 90° | 22 | 1 | 22 | 1 | 22 | 12 |
| 95° | 58 | 44 | 58 | 44 | 58 | 59 |
| 105° | 175 | 166 | 175 | 166 | 175 | 186 |
| 115° | 314 | 313 | 314 | 313 | 314 | 311 |
| 125° | 453 | 458 | 453 | 458 | 453 | 405 |
| 135° | 594 | 595 | 594 | 595 | 594 | 457 |
| 145° | 721 | 721 | 721 | 721 | 721 | 450 |
| 155° | 825 | 826 | 825 | 826 | 825 | 380 |
| 165° | 897 | 900 | 897 | 900 | 897 | 253 |
| 175° | 932 | 936 | 932 | 936 | 932 | 89 |
| 180° | 938 | 938 | 938 | 938 | 938 | |



TEST NUMBER: P331929-830

CATALOG NUMBER: S123DIP-S560D805U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 |
| 2.5° | 790.7 | 790.1 | 788.7 | 789.9 | 787.5 | 784.4 | 784.1 | 781.2 | 772.8 | 772.2 | 770.0 |
| 5° | 885.1 | 882.2 | 881.9 | 881.6 | 876.5 | 869.6 | 856.6 | 855.5 | 838.2 | 829.5 | 819.1 |
| 7.5° | 1007.5 | 1009.0 | 1003.7 | 999.1 | 983.6 | 973.5 | 959.5 | 941.7 | 920.4 | 898.8 | 884.4 |
| 10° | 1095.2 | 1107.1 | 1092.3 | 1082.2 | 1072.9 | 1055.2 | 1034.6 | 1009.0 | 983.4 | 953.4 | 930.7 |
| 12.5° | 1189.4 | 1195.2 | 1192.3 | 1182.7 | 1168.2 | 1141.2 | 1104.8 | 1076.6 | 1052.9 | 1003.1 | 982.9 |
| 15° | 1317.6 | 1339.6 | 1325.6 | 1293.1 | 1293.8 | 1268.2 | 1220.5 | 1168.2 | 1140.4 | 1096.6 | 1037.1 |
| 17.5° | 1454.2 | 1457.0 | 1451.0 | 1423.9 | 1405.8 | 1370.6 | 1326.6 | 1276.5 | 1220.1 | 1167.3 | 1104.1 |
| 20° | 1527.0 | 1524.8 | 1512.2 | 1498.1 | 1467.1 | 1439.6 | 1391.6 | 1335.7 | 1263.5 | 1211.4 | 1142.6 |
| 22.5° | 1567.4 | 1563.8 | 1557.8 | 1546.1 | 1520.2 | 1490.7 | 1447.7 | 1386.5 | 1317.8 | 1246.1 | 1166.5 |
| 25° | 1563.8 | 1568.5 | 1569.2 | 1565.9 | 1557.0 | 1539.3 | 1505.3 | 1456.6 | 1388.0 | 1296.0 | 1213.0 |
| 27.5° | 1422.3 | 1428.9 | 1448.2 | 1465.4 | 1484.5 | 1503.9 | 1501.4 | 1477.2 | 1426.4 | 1346.9 | 1245.4 |
| 30° | 1280.8 | 1266.3 | 1302.1 | 1347.2 | 1377.9 | 1432.0 | 1462.4 | 1464.1 | 1435.7 | 1367.4 | 1268.5 |
| 32.5° | 1084.4 | 1100.3 | 1116.1 | 1171.6 | 1238.7 | 1299.5 | 1359.8 | 1408.4 | 1414.0 | 1368.6 | 1282.0 |
| 35° | 842.5 | 862.4 | 891.3 | 920.2 | 992.4 | 1054.4 | 1160.6 | 1253.0 | 1326.6 | 1336.3 | 1283.3 |
| 37.5° | 678.9 | 688.8 | 707.0 | 735.9 | 783.2 | 856.9 | 939.0 | 1055.7 | 1162.4 | 1241.8 | 1245.3 |
| 40° | 593.4 | 596.3 | 616.9 | 638.9 | 677.2 | 737.8 | 811.9 | 915.1 | 1042.9 | 1153.8 | 1200.0 |
| 42.5° | 529.3 | 535.7 | 544.4 | 565.6 | 596.1 | 641.7 | 710.5 | 795.9 | 912.9 | 1040.5 | 1130.9 |
| 45° | 454.9 | 462.0 | 467.5 | 481.5 | 503.2 | 533.9 | 581.9 | 659.9 | 749.0 | 880.8 | 1002.5 |
| 47.5° | 405.6 | 406.1 | 410.2 | 420.8 | 435.5 | 458.6 | 492.6 | 542.6 | 624.5 | 731.3 | 856.3 |
| 50° | 370.4 | 376.2 | 377.6 | 385.9 | 397.5 | 414.4 | 442.6 | 485.1 | 552.3 | 646.2 | 761.0 |
| 52.5° | 345.5 | 347.2 | 351.3 | 357.3 | 367.4 | 380.6 | 405.0 | 438.4 | 491.1 | 571.1 | 676.7 |
| 55° | 309.0 | 309.0 | 313.0 | 317.6 | 323.5 | 335.4 | 351.6 | 376.2 | 416.2 | 478.3 | 565.7 |
| 57.5° | 275.2 | 277.0 | 279.8 | 281.3 | 286.2 | 294.1 | 307.6 | 326.3 | 356.2 | 404.0 | 473.4 |
| 60° | 252.7 | 255.9 | 255.6 | 258.4 | 262.8 | 268.9 | 280.5 | 295.7 | 322.3 | 360.6 | 419.1 |
| 62.5° | 233.1 | 232.8 | 232.8 | 236.2 | 240.5 | 246.4 | 253.9 | 267.0 | 289.7 | 323.7 | 373.4 |
| 65° | 200.7 | 200.0 | 202.6 | 204.7 | 206.1 | 210.5 | 216.2 | 227.8 | 243.0 | 268.2 | 306.8 |
| 67.5° | 172.0 | 169.8 | 171.3 | 172.0 | 174.5 | 177.9 | 183.2 | 190.4 | 202.5 | 222.7 | 251.8 |
| 70° | 152.3 | 150.5 | 150.1 | 150.9 | 153.1 | 155.6 | 159.6 | 166.5 | 177.6 | 193.9 | 215.2 |
| 72.5° | 132.1 | 130.9 | 130.8 | 132.4 | 133.5 | 135.1 | 137.9 | 144.2 | 153.1 | 165.2 | 185.1 |
| 75° | 103.2 | 103.2 | 103.2 | 103.6 | 104.7 | 106.1 | 108.3 | 111.5 | 118.4 | 127.1 | 140.4 |
| 77.5° | 77.4 | 77.3 | 76.9 | 76.8 | 78.4 | 79.1 | 79.6 | 82.6 | 86.4 | 92.3 | 102.0 |
| 80° | 60.6 | 58.8 | 59.6 | 60.6 | 61.4 | 61.7 | 62.8 | 63.5 | 66.8 | 70.0 | 76.9 |
| 82.5° | 45.1 | 43.5 | 43.6 | 45.3 | 45.5 | 45.8 | 46.9 | 48.0 | 49.2 | 52.1 | 55.8 |
| 85° | 23.8 | 23.8 | 24.2 | 24.2 | 24.5 | 24.2 | 25.3 | 25.6 | 25.6 | 27.4 | 29.6 |
| 87.5° | 13.1 | 12.4 | 12.6 | 12.9 | 12.5 | 12.7 | 12.9 | 13.0 | 13.2 | 13.4 | 13.2 |
| 90° | 22.1 | 21.8 | 21.5 | 21.1 | 20.8 | 20.3 | 19.6 | 19.0 | 18.4 | 17.7 | 15.6 |
| 92.5° | 29.8 | 30.0 | 30.2 | 30.3 | 30.5 | 30.3 | 29.9 | 29.3 | 28.8 | 28.3 | 27.1 |
| 95° | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.1 | 56.5 | 55.8 | 55.2 | 54.6 | 53.3 |
| 97.5° | 88.4 | 88.5 | 88.6 | 88.6 | 88.7 | 88.3 | 87.6 | 86.8 | 86.1 | 85.3 | 84.4 |
| 100° | 112.0 | 111.7 | 111.3 | 111.0 | 110.7 | 110.3 | 109.8 | 109.3 | 108.9 | 108.3 | 107.5 |
| 102.5° | 136.2 | 136.3 | 136.3 | 136.4 | 136.5 | 136.2 | 135.7 | 135.3 | 134.8 | 134.3 | 133.2 |
| 105° | 175.4 | 175.0 | 174.7 | 174.4 | 174.1 | 173.9 | 173.9 | 173.9 | 173.9 | 173.9 | 172.5 |
| 107.5° | 216.2 | 216.4 | 216.6 | 216.8 | 217.0 | 216.9 | 216.3 | 215.7 | 215.3 | 214.7 | 214.1 |
| 110° | 243.9 | 244.2 | 244.6 | 244.9 | 245.2 | 245.1 | 244.4 | 243.7 | 243.1 | 242.4 | 242.1 |



TEST NUMBER: P331929-830

CATALOG NUMBER: S123DIP-S560D805U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 273.4 | 273.4 | 273.5 | 273.6 | 273.6 | 273.3 | 272.5 | 271.7 | 271.0 | 270.1 | 270.1 |
| 115° | 314.0 | 314.1 | 314.2 | 314.4 | 314.6 | 314.6 | 314.4 | 314.2 | 314.1 | 314.0 | 314.2 |
| 117.5° | 355.1 | 355.5 | 356.0 | 356.5 | 356.8 | 357.1 | 357.1 | 357.2 | 357.2 | 357.2 | 357.7 |
| 120° | 383.9 | 384.3 | 384.6 | 384.9 | 385.2 | 385.5 | 385.7 | 385.8 | 386.0 | 386.2 | 387.0 |
| 122.5° | 411.6 | 412.1 | 412.6 | 413.0 | 413.5 | 414.0 | 414.3 | 414.8 | 415.2 | 415.7 | 416.0 |
| 125° | 453.2 | 453.8 | 454.5 | 455.2 | 455.8 | 456.5 | 457.1 | 457.8 | 458.5 | 459.1 | 459.4 |
| 127.5° | 494.6 | 495.4 | 496.2 | 496.9 | 497.7 | 498.5 | 499.4 | 500.3 | 501.2 | 502.1 | 502.5 |
| 130° | 521.7 | 522.9 | 524.1 | 525.2 | 526.3 | 527.3 | 527.9 | 528.6 | 529.1 | 529.8 | 530.4 |
| 132.5° | 550.1 | 550.9 | 551.8 | 552.7 | 553.6 | 554.4 | 555.2 | 556.0 | 556.8 | 557.5 | 557.9 |
| 135° | 594.0 | 594.3 | 594.7 | 594.9 | 595.3 | 595.8 | 596.4 | 597.1 | 597.8 | 598.4 | 598.5 |
| 137.5° | 632.7 | 633.4 | 634.0 | 634.6 | 635.2 | 635.8 | 636.6 | 637.3 | 637.9 | 638.6 | 638.2 |
| 140° | 658.1 | 659.2 | 660.3 | 661.5 | 662.7 | 663.3 | 663.5 | 663.6 | 663.8 | 663.9 | 663.8 |
| 142.5° | 684.0 | 684.9 | 685.8 | 686.6 | 687.6 | 688.1 | 688.2 | 688.4 | 688.5 | 688.7 | 688.4 |
| 145° | 721.4 | 722.1 | 722.7 | 723.4 | 724.1 | 724.4 | 724.6 | 724.8 | 725.0 | 725.1 | 724.6 |
| 147.5° | 754.8 | 755.7 | 756.7 | 757.7 | 758.7 | 759.2 | 759.2 | 759.2 | 759.2 | 759.2 | 758.7 |
| 150° | 776.0 | 776.9 | 778.0 | 778.9 | 780.0 | 780.4 | 780.4 | 780.4 | 780.4 | 780.4 | 780.0 |
| 152.5° | 796.6 | 797.5 | 798.3 | 799.2 | 800.0 | 800.3 | 800.0 | 799.7 | 799.6 | 799.3 | 799.1 |
| 155° | 824.6 | 825.8 | 826.9 | 828.0 | 829.2 | 829.4 | 828.8 | 828.1 | 827.5 | 826.8 | 826.7 |
| 157.5° | 850.1 | 851.0 | 852.0 | 852.9 | 853.8 | 853.8 | 853.2 | 852.5 | 851.9 | 851.1 | 851.0 |
| 160° | 866.6 | 867.2 | 867.9 | 868.6 | 869.2 | 869.1 | 868.4 | 867.5 | 866.7 | 865.9 | 865.9 |
| 162.5° | 879.0 | 880.1 | 881.1 | 882.1 | 883.2 | 883.4 | 882.5 | 881.7 | 880.8 | 880.1 | 879.9 |
| 165° | 896.8 | 898.0 | 899.1 | 900.3 | 901.4 | 901.5 | 900.5 | 899.6 | 898.5 | 897.6 | 897.6 |
| 167.5° | 912.0 | 913.0 | 914.1 | 915.0 | 916.1 | 916.1 | 915.0 | 914.1 | 913.0 | 912.0 | 911.9 |
| 170° | 919.6 | 920.9 | 922.0 | 923.1 | 924.3 | 924.3 | 923.1 | 922.0 | 920.9 | 919.6 | 919.6 |
| 172.5° | 925.6 | 926.7 | 927.8 | 929.0 | 930.2 | 930.2 | 929.3 | 928.2 | 927.2 | 926.1 | 926.1 |
| 175° | 932.2 | 933.3 | 934.5 | 935.7 | 936.8 | 936.9 | 935.9 | 934.9 | 934.0 | 932.9 | 932.9 |
| 177.5° | 935.8 | 936.7 | 937.5 | 938.5 | 939.4 | 939.4 | 938.7 | 937.9 | 937.1 | 936.3 | 936.3 |
| 180° | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 |



TEST NUMBER: P331929-830

CATALOG NUMBER: S123DIP-S560D805U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 |
| 2.5° | 768.2 | 765.9 | 763.6 | 759.5 | 756.0 | 751.1 | 749.7 | 748.0 | 742.8 | 738.1 | 734.7 |
| 5° | 815.1 | 806.4 | 793.8 | 782.2 | 772.9 | 760.3 | 753.0 | 745.5 | 734.6 | 724.9 | 716.9 |
| 7.5° | 864.2 | 847.2 | 827.6 | 806.3 | 786.6 | 767.4 | 752.1 | 738.4 | 723.2 | 708.8 | 697.7 |
| 10° | 903.2 | 878.6 | 851.2 | 821.6 | 796.4 | 771.8 | 751.2 | 733.2 | 713.7 | 696.7 | 682.6 |
| 12.5° | 947.6 | 911.3 | 873.5 | 837.4 | 807.6 | 773.5 | 748.7 | 725.7 | 703.6 | 683.2 | 667.3 |
| 15° | 1000.3 | 954.1 | 909.4 | 859.9 | 814.4 | 771.8 | 742.2 | 713.3 | 687.7 | 666.8 | 646.5 |
| 17.5° | 1048.2 | 995.9 | 936.9 | 876.8 | 821.9 | 771.4 | 729.9 | 697.3 | 665.2 | 639.6 | 619.4 |
| 20° | 1075.3 | 1015.8 | 949.0 | 886.6 | 826.0 | 769.6 | 724.2 | 685.1 | 650.5 | 623.4 | 600.7 |
| 22.5° | 1098.8 | 1029.1 | 960.0 | 893.2 | 825.7 | 765.0 | 713.5 | 673.4 | 635.7 | 609.3 | 585.1 |
| 25° | 1123.0 | 1039.6 | 970.3 | 892.0 | 816.5 | 753.8 | 696.0 | 650.5 | 612.9 | 581.9 | 557.0 |
| 27.5° | 1143.9 | 1039.0 | 956.7 | 872.4 | 802.3 | 739.3 | 677.7 | 628.9 | 589.0 | 555.3 | 530.0 |
| 30° | 1157.7 | 1040.4 | 942.5 | 859.1 | 788.4 | 723.4 | 663.5 | 614.4 | 572.5 | 538.2 | 514.4 |
| 32.5° | 1166.4 | 1039.5 | 929.5 | 840.7 | 766.5 | 709.0 | 648.2 | 597.4 | 554.3 | 520.7 | 497.7 |
| 35° | 1171.4 | 1033.1 | 907.2 | 802.5 | 731.0 | 675.0 | 624.2 | 571.5 | 526.3 | 494.9 | 468.9 |
| 37.5° | 1161.3 | 1019.8 | 881.2 | 765.6 | 687.4 | 632.4 | 589.5 | 544.6 | 501.4 | 466.8 | 444.4 |
| 40° | 1145.4 | 1011.2 | 860.9 | 739.7 | 657.3 | 604.3 | 567.9 | 523.8 | 481.2 | 448.4 | 427.4 |
| 42.5° | 1115.1 | 993.5 | 838.8 | 710.8 | 626.1 | 573.1 | 539.5 | 502.8 | 462.4 | 431.6 | 410.7 |
| 45° | 1041.1 | 955.2 | 805.4 | 667.5 | 580.1 | 525.3 | 495.7 | 468.9 | 432.4 | 402.5 | 384.5 |
| 47.5° | 938.4 | 897.5 | 757.1 | 621.8 | 532.1 | 479.3 | 448.5 | 427.0 | 400.3 | 376.2 | 358.8 |
| 50° | 867.1 | 850.2 | 724.5 | 590.6 | 499.9 | 448.4 | 418.8 | 399.3 | 380.1 | 355.9 | 340.1 |
| 52.5° | 784.8 | 795.2 | 686.4 | 558.3 | 467.3 | 416.6 | 388.7 | 373.2 | 355.9 | 336.0 | 322.2 |
| 55° | 668.9 | 706.8 | 620.6 | 504.0 | 418.8 | 370.4 | 344.0 | 330.3 | 320.2 | 305.4 | 293.5 |
| 57.5° | 560.4 | 608.6 | 549.3 | 448.0 | 371.0 | 329.3 | 304.1 | 289.1 | 282.6 | 274.8 | 265.5 |
| 60° | 496.0 | 543.7 | 498.5 | 410.5 | 338.9 | 299.3 | 276.9 | 264.3 | 257.8 | 252.3 | 244.4 |
| 62.5° | 438.6 | 486.7 | 448.8 | 372.3 | 307.5 | 270.7 | 251.2 | 238.8 | 233.8 | 230.9 | 224.1 |
| 65° | 359.6 | 401.1 | 375.8 | 313.0 | 262.4 | 230.0 | 212.3 | 203.6 | 198.9 | 197.8 | 193.5 |
| 67.5° | 292.7 | 324.2 | 305.9 | 259.6 | 219.8 | 191.7 | 176.7 | 169.4 | 165.8 | 165.4 | 162.1 |
| 70° | 248.7 | 278.3 | 264.3 | 222.3 | 188.0 | 166.1 | 153.1 | 146.6 | 144.4 | 144.0 | 142.2 |
| 72.5° | 214.6 | 235.3 | 224.1 | 189.2 | 162.7 | 142.7 | 133.1 | 126.3 | 123.9 | 124.4 | 123.2 |
| 75° | 158.8 | 174.4 | 167.9 | 143.6 | 122.3 | 109.3 | 101.4 | 97.1 | 94.9 | 96.0 | 94.5 |
| 77.5° | 114.3 | 124.1 | 118.3 | 101.5 | 88.4 | 79.0 | 73.1 | 70.5 | 68.5 | 68.4 | 67.8 |
| 80° | 86.2 | 92.1 | 88.8 | 78.7 | 67.9 | 59.9 | 55.2 | 53.4 | 52.3 | 52.0 | 51.7 |
| 82.5° | 61.5 | 66.4 | 62.5 | 55.6 | 48.3 | 43.5 | 40.8 | 38.5 | 37.6 | 37.8 | 37.5 |
| 85° | 31.0 | 32.9 | 31.4 | 27.1 | 24.2 | 22.1 | 20.5 | 19.5 | 18.8 | 19.1 | 18.4 |
| 87.5° | 13.4 | 13.2 | 12.0 | 10.4 | 9.5 | 8.3 | 8.0 | 7.1 | 6.8 | 7.2 | 7.2 |
| 90° | 13.4 | 11.3 | 9.1 | 7.3 | 5.7 | 4.1 | 2.4 | 0.8 | 2.4 | 4.1 | 5.7 |
| 92.5° | 25.9 | 24.7 | 23.5 | 22.2 | 21.2 | 20.1 | 18.9 | 17.8 | 18.9 | 20.1 | 21.2 |
| 95° | 51.9 | 50.6 | 49.3 | 48.1 | 46.9 | 45.8 | 44.6 | 43.5 | 44.6 | 45.8 | 46.9 |
| 97.5° | 83.4 | 82.5 | 81.5 | 80.7 | 79.7 | 78.9 | 78.0 | 77.2 | 78.0 | 78.9 | 79.7 |
| 100° | 106.7 | 105.8 | 105.1 | 104.2 | 103.2 | 102.2 | 101.2 | 100.2 | 101.2 | 102.2 | 103.2 |
| 102.5° | 132.1 | 131.0 | 130.0 | 129.1 | 128.6 | 127.9 | 127.3 | 126.8 | 127.3 | 127.9 | 128.6 |
| 105° | 171.0 | 169.5 | 168.1 | 167.1 | 166.8 | 166.5 | 166.2 | 165.8 | 166.2 | 166.5 | 166.8 |
| 107.5° | 213.6 | 213.0 | 212.4 | 212.0 | 211.8 | 211.6 | 211.4 | 211.2 | 211.4 | 211.6 | 211.8 |
| 110° | 241.8 | 241.5 | 241.1 | 240.8 | 240.4 | 240.2 | 239.8 | 239.5 | 239.8 | 240.2 | 240.4 |



TEST NUMBER: P331929-830

CATALOG NUMBER: S123DIP-S560D805U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 270.0 | 269.9 | 269.8 | 269.8 | 269.6 | 269.4 | 269.2 | 269.0 | 269.2 | 269.4 | 269.6 |
| 115° | 314.6 | 314.9 | 315.3 | 315.2 | 314.6 | 314.1 | 313.7 | 313.2 | 313.7 | 314.1 | 314.6 |
| 117.5° | 358.1 | 358.5 | 358.9 | 359.0 | 358.6 | 358.4 | 358.1 | 357.7 | 358.1 | 358.4 | 358.6 |
| 120° | 387.8 | 388.6 | 389.5 | 389.4 | 388.3 | 387.4 | 386.3 | 385.4 | 386.3 | 387.4 | 388.3 |
| 122.5° | 416.5 | 416.9 | 417.4 | 417.2 | 416.4 | 415.8 | 415.0 | 414.3 | 415.0 | 415.8 | 416.4 |
| 125° | 459.8 | 460.1 | 460.4 | 460.3 | 459.9 | 459.3 | 458.8 | 458.4 | 458.8 | 459.3 | 459.9 |
| 127.5° | 502.8 | 503.2 | 503.6 | 503.2 | 502.2 | 501.1 | 500.1 | 499.1 | 500.1 | 501.1 | 502.2 |
| 130° | 530.8 | 531.3 | 531.8 | 531.4 | 530.1 | 528.8 | 527.4 | 526.1 | 527.4 | 528.8 | 530.1 |
| 132.5° | 558.3 | 558.6 | 559.0 | 558.6 | 557.2 | 555.9 | 554.6 | 553.3 | 554.6 | 555.9 | 557.2 |
| 135° | 598.7 | 598.9 | 599.1 | 598.6 | 597.7 | 596.6 | 595.7 | 594.7 | 595.7 | 596.6 | 597.7 |
| 137.5° | 637.7 | 637.3 | 636.9 | 636.3 | 635.5 | 634.6 | 633.9 | 633.0 | 633.9 | 634.6 | 635.5 |
| 140° | 663.6 | 663.5 | 663.3 | 662.8 | 662.0 | 661.2 | 660.3 | 659.5 | 660.3 | 661.2 | 662.0 |
| 142.5° | 688.2 | 687.9 | 687.6 | 687.0 | 686.2 | 685.3 | 684.6 | 683.7 | 684.6 | 685.3 | 686.2 |
| 145° | 724.2 | 723.7 | 723.1 | 722.7 | 722.5 | 722.1 | 721.8 | 721.4 | 721.8 | 722.1 | 722.5 |
| 147.5° | 758.3 | 757.8 | 757.3 | 756.9 | 756.2 | 755.6 | 755.1 | 754.5 | 755.1 | 755.6 | 756.2 |
| 150° | 779.8 | 779.4 | 779.1 | 778.7 | 778.4 | 778.1 | 777.8 | 777.4 | 777.8 | 778.1 | 778.4 |
| 152.5° | 798.9 | 798.7 | 798.5 | 798.1 | 797.7 | 797.2 | 796.7 | 796.4 | 796.7 | 797.2 | 797.7 |
| 155° | 826.5 | 826.3 | 826.1 | 826.0 | 826.0 | 826.0 | 826.0 | 826.0 | 826.0 | 826.0 | 826.0 |
| 157.5° | 850.9 | 850.7 | 850.6 | 850.6 | 850.8 | 851.0 | 851.2 | 851.4 | 851.2 | 851.0 | 850.8 |
| 160° | 865.9 | 865.9 | 865.9 | 866.0 | 866.4 | 866.7 | 867.0 | 867.3 | 867.0 | 866.7 | 866.4 |
| 162.5° | 879.8 | 879.7 | 879.5 | 879.7 | 880.1 | 880.6 | 881.1 | 881.5 | 881.1 | 880.6 | 880.1 |
| 165° | 897.6 | 897.6 | 897.6 | 897.8 | 898.3 | 898.8 | 899.3 | 899.8 | 899.3 | 898.8 | 898.3 |
| 167.5° | 911.7 | 911.6 | 911.5 | 911.7 | 912.4 | 913.0 | 913.7 | 914.4 | 913.7 | 913.0 | 912.4 |
| 170° | 919.6 | 919.6 | 919.6 | 920.0 | 920.7 | 921.3 | 922.0 | 922.7 | 922.0 | 921.3 | 920.7 |
| 172.5° | 926.1 | 926.1 | 926.1 | 926.5 | 927.2 | 927.8 | 928.5 | 929.1 | 928.5 | 927.8 | 927.2 |
| 175° | 932.9 | 932.9 | 932.9 | 933.3 | 934.0 | 934.6 | 935.2 | 935.9 | 935.2 | 934.6 | 934.0 |
| 177.5° | 936.3 | 936.3 | 936.3 | 936.6 | 937.1 | 937.6 | 938.2 | 938.7 | 938.2 | 937.6 | 937.1 |
| 180° | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 |



TEST NUMBER: P331929-830

CATALOG NUMBER: S123DIP-S560D805U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 |
| 2.5° | 732.6 | 730.7 | 727.7 | 723.4 | 719.9 | 714.4 | 714.4 | 715.3 | 715.3 | 715.0 | 714.4 |
| 5° | 710.4 | 705.0 | 698.5 | 691.0 | 683.0 | 675.0 | 673.6 | 670.7 | 668.5 | 667.1 | 665.3 |
| 7.5° | 686.9 | 677.4 | 667.9 | 657.3 | 647.6 | 639.6 | 634.0 | 629.4 | 626.4 | 623.3 | 620.9 |
| 10° | 671.1 | 659.1 | 648.0 | 636.8 | 624.5 | 614.7 | 608.6 | 604.3 | 601.1 | 598.1 | 596.7 |
| 12.5° | 652.3 | 638.7 | 626.3 | 615.7 | 602.3 | 592.2 | 586.4 | 584.4 | 580.5 | 574.5 | 571.3 |
| 15° | 624.9 | 612.3 | 597.5 | 581.2 | 574.7 | 562.4 | 555.5 | 552.3 | 550.2 | 545.4 | 544.0 |
| 17.5° | 601.4 | 584.8 | 568.3 | 556.1 | 544.0 | 534.1 | 530.3 | 526.2 | 523.4 | 519.5 | 518.4 |
| 20° | 582.7 | 567.9 | 552.7 | 539.7 | 527.1 | 516.2 | 512.9 | 510.1 | 507.2 | 505.4 | 504.0 |
| 22.5° | 563.5 | 548.7 | 536.2 | 524.1 | 510.6 | 503.5 | 499.9 | 496.8 | 494.7 | 493.5 | 492.1 |
| 25° | 536.8 | 523.8 | 509.7 | 498.9 | 488.0 | 483.3 | 481.2 | 479.4 | 478.0 | 476.2 | 475.8 |
| 27.5° | 512.8 | 498.7 | 487.3 | 477.1 | 469.4 | 465.4 | 463.4 | 462.5 | 462.8 | 463.4 | 463.8 |
| 30° | 494.9 | 481.9 | 472.5 | 463.8 | 456.7 | 453.1 | 452.7 | 452.7 | 454.1 | 454.5 | 455.2 |
| 32.5° | 478.4 | 467.8 | 458.4 | 450.0 | 444.5 | 442.1 | 443.5 | 443.5 | 444.6 | 445.5 | 446.9 |
| 35° | 454.5 | 445.1 | 437.9 | 430.6 | 425.9 | 427.1 | 427.7 | 428.5 | 430.3 | 432.4 | 433.9 |
| 37.5° | 431.6 | 423.5 | 415.9 | 410.3 | 408.1 | 410.1 | 411.8 | 413.3 | 415.5 | 417.1 | 418.5 |
| 40° | 415.1 | 409.0 | 401.8 | 396.7 | 397.5 | 398.5 | 400.0 | 401.8 | 403.6 | 404.6 | 406.1 |
| 42.5° | 399.8 | 393.4 | 388.0 | 383.7 | 384.7 | 386.2 | 387.0 | 388.0 | 390.0 | 392.0 | 392.9 |
| 45° | 376.5 | 371.5 | 366.4 | 363.9 | 364.6 | 365.3 | 366.1 | 367.1 | 368.9 | 370.4 | 370.7 |
| 47.5° | 350.3 | 346.8 | 343.4 | 340.9 | 342.0 | 341.8 | 342.7 | 345.1 | 345.6 | 346.5 | 348.5 |
| 50° | 333.6 | 330.3 | 326.3 | 325.6 | 325.6 | 325.6 | 325.9 | 328.9 | 328.9 | 330.3 | 331.8 |
| 52.5° | 315.1 | 313.0 | 310.5 | 309.2 | 308.6 | 308.6 | 310.1 | 311.5 | 312.1 | 314.1 | 315.6 |
| 55° | 287.7 | 285.5 | 283.4 | 282.3 | 281.5 | 282.3 | 285.2 | 285.9 | 287.7 | 288.8 | 289.8 |
| 57.5° | 259.2 | 257.5 | 255.8 | 255.2 | 255.1 | 256.0 | 257.6 | 259.8 | 260.2 | 263.5 | 265.1 |
| 60° | 240.4 | 237.9 | 236.5 | 236.5 | 235.7 | 238.9 | 238.3 | 241.9 | 242.6 | 244.8 | 247.3 |
| 62.5° | 221.0 | 217.6 | 217.1 | 217.1 | 218.1 | 219.0 | 220.1 | 221.7 | 223.6 | 226.3 | 228.2 |
| 65° | 189.9 | 188.0 | 190.6 | 190.2 | 189.5 | 191.7 | 191.7 | 193.5 | 195.7 | 198.2 | 202.2 |
| 67.5° | 160.3 | 159.4 | 159.7 | 159.7 | 160.7 | 161.9 | 163.0 | 164.6 | 167.1 | 169.8 | 172.4 |
| 70° | 140.4 | 141.5 | 139.7 | 141.2 | 142.2 | 142.6 | 143.3 | 145.4 | 148.4 | 150.1 | 153.1 |
| 72.5° | 121.1 | 121.0 | 121.2 | 121.8 | 122.9 | 123.6 | 124.2 | 126.7 | 129.9 | 131.4 | 133.7 |
| 75° | 93.1 | 92.7 | 93.9 | 93.9 | 95.7 | 96.4 | 97.1 | 98.2 | 101.0 | 103.2 | 105.1 |
| 77.5° | 68.1 | 68.4 | 68.2 | 69.5 | 69.0 | 69.1 | 71.4 | 72.4 | 72.7 | 77.0 | 77.9 |
| 80° | 51.3 | 52.0 | 52.3 | 52.7 | 53.1 | 52.3 | 54.9 | 56.0 | 56.0 | 58.4 | 60.3 |
| 82.5° | 36.9 | 37.2 | 38.2 | 38.5 | 38.6 | 39.3 | 39.6 | 40.3 | 41.2 | 42.3 | 44.7 |
| 85° | 18.4 | 19.5 | 19.9 | 19.5 | 19.9 | 19.1 | 20.2 | 20.5 | 20.9 | 20.9 | 20.9 |
| 87.5° | 7.3 | 7.9 | 8.0 | 8.8 | 8.9 | 9.6 | 9.7 | 9.3 | 9.4 | 10.4 | 9.3 |
| 90° | 7.3 | 9.1 | 11.3 | 13.4 | 15.6 | 17.7 | 18.4 | 19.0 | 19.6 | 20.3 | 20.8 |
| 92.5° | 22.2 | 23.5 | 24.7 | 25.9 | 27.1 | 28.3 | 28.8 | 29.3 | 29.9 | 30.3 | 30.5 |
| 95° | 48.1 | 49.3 | 50.6 | 51.9 | 53.3 | 54.6 | 55.2 | 55.8 | 56.5 | 57.1 | 57.5 |
| 97.5° | 80.7 | 81.5 | 82.5 | 83.4 | 84.4 | 85.3 | 86.1 | 86.8 | 87.6 | 88.3 | 88.7 |
| 100° | 104.2 | 105.1 | 105.8 | 106.7 | 107.5 | 108.3 | 108.9 | 109.3 | 109.8 | 110.3 | 110.7 |
| 102.5° | 129.1 | 130.0 | 131.0 | 132.1 | 133.2 | 134.3 | 134.8 | 135.3 | 135.7 | 136.2 | 136.5 |
| 105° | 167.1 | 168.1 | 169.5 | 171.0 | 172.5 | 173.9 | 173.9 | 173.9 | 173.9 | 173.9 | 174.1 |
| 107.5° | 212.0 | 212.4 | 213.0 | 213.6 | 214.1 | 214.7 | 215.3 | 215.7 | 216.3 | 216.9 | 217.0 |
| 110° | 240.8 | 241.1 | 241.5 | 241.8 | 242.1 | 242.4 | 243.1 | 243.7 | 244.4 | 245.1 | 245.2 |



TEST NUMBER: P331929-830

CATALOG NUMBER: S123DIP-S560D805U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 269.8 | 269.8 | 269.9 | 270.0 | 270.1 | 270.1 | 271.0 | 271.7 | 272.5 | 273.3 | 273.6 |
| 115° | 315.2 | 315.3 | 314.9 | 314.6 | 314.2 | 314.0 | 314.1 | 314.2 | 314.4 | 314.6 | 314.6 |
| 117.5° | 359.0 | 358.9 | 358.5 | 358.1 | 357.7 | 357.2 | 357.2 | 357.2 | 357.1 | 357.1 | 356.8 |
| 120° | 389.4 | 389.5 | 388.6 | 387.8 | 387.0 | 386.2 | 386.0 | 385.8 | 385.7 | 385.5 | 385.2 |
| 122.5° | 417.2 | 417.4 | 416.9 | 416.5 | 416.0 | 415.7 | 415.2 | 414.8 | 414.3 | 414.0 | 413.5 |
| 125° | 460.3 | 460.4 | 460.1 | 459.8 | 459.4 | 459.1 | 458.5 | 457.8 | 457.1 | 456.5 | 455.8 |
| 127.5° | 503.2 | 503.6 | 503.2 | 502.8 | 502.5 | 502.1 | 501.2 | 500.3 | 499.4 | 498.5 | 497.7 |
| 130° | 531.4 | 531.8 | 531.3 | 530.8 | 530.4 | 529.8 | 529.1 | 528.6 | 527.9 | 527.3 | 526.3 |
| 132.5° | 558.6 | 559.0 | 558.6 | 558.3 | 557.9 | 557.5 | 556.8 | 556.0 | 555.2 | 554.4 | 553.6 |
| 135° | 598.6 | 599.1 | 598.9 | 598.7 | 598.5 | 598.4 | 597.8 | 597.1 | 596.4 | 595.8 | 595.3 |
| 137.5° | 636.3 | 636.9 | 637.3 | 637.7 | 638.2 | 638.6 | 637.9 | 637.3 | 636.6 | 635.8 | 635.2 |
| 140° | 662.8 | 663.3 | 663.5 | 663.6 | 663.8 | 663.9 | 663.8 | 663.6 | 663.5 | 663.3 | 662.7 |
| 142.5° | 687.0 | 687.6 | 687.9 | 688.2 | 688.4 | 688.7 | 688.5 | 688.4 | 688.2 | 688.1 | 687.6 |
| 145° | 722.7 | 723.1 | 723.7 | 724.2 | 724.6 | 725.1 | 725.0 | 724.8 | 724.6 | 724.4 | 724.1 |
| 147.5° | 756.9 | 757.3 | 757.8 | 758.3 | 758.7 | 759.2 | 759.2 | 759.2 | 759.2 | 759.2 | 758.7 |
| 150° | 778.7 | 779.1 | 779.4 | 779.8 | 780.0 | 780.4 | 780.4 | 780.4 | 780.4 | 780.4 | 780.0 |
| 152.5° | 798.1 | 798.5 | 798.7 | 798.9 | 799.1 | 799.3 | 799.6 | 799.7 | 800.0 | 800.3 | 800.0 |
| 155° | 826.0 | 826.1 | 826.3 | 826.5 | 826.7 | 826.8 | 827.5 | 828.1 | 828.8 | 829.4 | 829.2 |
| 157.5° | 850.6 | 850.6 | 850.7 | 850.9 | 851.0 | 851.1 | 851.9 | 852.5 | 853.2 | 853.8 | 853.8 |
| 160° | 866.0 | 865.9 | 865.9 | 865.9 | 865.9 | 865.9 | 866.7 | 867.5 | 868.4 | 869.1 | 869.2 |
| 162.5° | 879.7 | 879.5 | 879.7 | 879.8 | 879.9 | 880.1 | 880.8 | 881.7 | 882.5 | 883.4 | 883.2 |
| 165° | 897.8 | 897.6 | 897.6 | 897.6 | 897.6 | 897.6 | 898.5 | 899.6 | 900.5 | 901.5 | 901.4 |
| 167.5° | 911.7 | 911.5 | 911.6 | 911.7 | 911.9 | 912.0 | 913.0 | 914.1 | 915.0 | 916.1 | 916.1 |
| 170° | 920.0 | 919.6 | 919.6 | 919.6 | 919.6 | 919.6 | 920.9 | 922.0 | 923.1 | 924.3 | 924.3 |
| 172.5° | 926.5 | 926.1 | 926.1 | 926.1 | 926.1 | 926.1 | 927.2 | 928.2 | 929.3 | 930.2 | 930.2 |
| 175° | 933.3 | 932.9 | 932.9 | 932.9 | 932.9 | 932.9 | 934.0 | 934.9 | 935.9 | 936.9 | 936.8 |
| 177.5° | 936.6 | 936.3 | 936.3 | 936.3 | 936.3 | 936.3 | 937.1 | 937.9 | 938.7 | 939.4 | 939.4 |
| 180° | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 |



TEST NUMBER: P331929-830

CATALOG NUMBER: S123DIP-S560D805U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 |
| 2.5° | 712.5 | 712.2 | 714.2 | 712.8 | 714.2 | 712.2 | 712.5 | 714.4 | 715.0 | 715.3 | 715.3 |
| 5° | 663.2 | 664.2 | 660.6 | 660.6 | 660.6 | 664.2 | 663.2 | 665.3 | 667.1 | 668.5 | 670.7 |
| 7.5° | 619.3 | 617.6 | 617.8 | 615.9 | 617.8 | 617.6 | 619.3 | 620.9 | 623.3 | 626.4 | 629.4 |
| 10° | 592.4 | 590.2 | 589.5 | 589.8 | 589.5 | 590.2 | 592.4 | 596.7 | 598.1 | 601.1 | 604.3 |
| 12.5° | 570.1 | 569.7 | 565.0 | 565.1 | 565.0 | 569.7 | 570.1 | 571.3 | 574.5 | 580.5 | 584.4 |
| 15° | 544.0 | 537.2 | 536.4 | 538.6 | 536.4 | 537.2 | 544.0 | 544.0 | 545.4 | 550.2 | 552.3 |
| 17.5° | 517.8 | 514.2 | 514.4 | 513.3 | 514.4 | 514.2 | 517.8 | 518.4 | 519.5 | 523.4 | 526.2 |
| 20° | 504.0 | 501.8 | 501.4 | 498.9 | 501.4 | 501.8 | 504.0 | 504.0 | 505.4 | 507.2 | 510.1 |
| 22.5° | 491.3 | 490.5 | 490.7 | 488.0 | 490.7 | 490.5 | 491.3 | 492.1 | 493.5 | 494.7 | 496.8 |
| 25° | 475.4 | 477.2 | 475.8 | 475.8 | 475.8 | 477.2 | 475.4 | 475.8 | 476.2 | 478.0 | 479.4 |
| 27.5° | 464.8 | 464.7 | 463.9 | 463.9 | 463.9 | 464.7 | 464.8 | 463.8 | 463.4 | 462.8 | 462.5 |
| 30° | 456.7 | 456.3 | 457.0 | 457.0 | 457.0 | 456.3 | 456.7 | 455.2 | 454.5 | 454.1 | 452.7 |
| 32.5° | 448.6 | 449.0 | 449.2 | 449.5 | 449.2 | 449.0 | 448.6 | 446.9 | 445.5 | 444.6 | 443.5 |
| 35° | 436.1 | 436.4 | 437.5 | 436.8 | 437.5 | 436.4 | 436.1 | 433.9 | 432.4 | 430.3 | 428.5 |
| 37.5° | 419.1 | 420.8 | 420.5 | 421.0 | 420.5 | 420.8 | 419.1 | 418.5 | 417.1 | 415.5 | 413.3 |
| 40° | 406.5 | 407.6 | 407.2 | 407.2 | 407.2 | 407.6 | 406.5 | 406.1 | 404.6 | 403.6 | 401.8 |
| 42.5° | 393.5 | 394.3 | 393.3 | 392.8 | 393.3 | 394.3 | 393.5 | 392.9 | 392.0 | 390.0 | 388.0 |
| 45° | 372.2 | 371.5 | 372.6 | 371.1 | 372.6 | 371.5 | 372.2 | 370.7 | 370.4 | 368.9 | 367.1 |
| 47.5° | 348.4 | 349.1 | 349.4 | 350.4 | 349.4 | 349.1 | 348.4 | 348.5 | 346.5 | 345.6 | 345.1 |
| 50° | 332.4 | 334.6 | 334.6 | 334.3 | 334.6 | 334.6 | 332.4 | 331.8 | 330.3 | 328.9 | 328.9 |
| 52.5° | 316.9 | 317.9 | 319.3 | 319.2 | 319.3 | 317.9 | 316.9 | 315.6 | 314.1 | 312.1 | 311.5 |
| 55° | 292.8 | 293.5 | 294.2 | 294.5 | 294.2 | 293.5 | 292.8 | 289.8 | 288.8 | 287.7 | 285.9 |
| 57.5° | 267.8 | 267.5 | 269.2 | 269.8 | 269.2 | 267.5 | 267.8 | 265.1 | 263.5 | 260.2 | 259.8 |
| 60° | 250.2 | 250.2 | 253.1 | 254.1 | 253.1 | 250.2 | 250.2 | 247.3 | 244.8 | 242.6 | 241.9 |
| 62.5° | 231.4 | 232.5 | 235.4 | 233.9 | 235.4 | 232.5 | 231.4 | 228.2 | 226.3 | 223.6 | 221.7 |
| 65° | 204.0 | 206.9 | 206.5 | 207.9 | 206.5 | 206.9 | 204.0 | 202.2 | 198.2 | 195.7 | 193.5 |
| 67.5° | 175.3 | 177.1 | 179.7 | 179.9 | 179.7 | 177.1 | 175.3 | 172.4 | 169.8 | 167.1 | 164.6 |
| 70° | 156.0 | 157.8 | 159.2 | 160.2 | 159.2 | 157.8 | 156.0 | 153.1 | 150.1 | 148.4 | 145.4 |
| 72.5° | 137.1 | 138.1 | 141.6 | 140.1 | 141.6 | 138.1 | 137.1 | 133.7 | 131.4 | 129.9 | 126.7 |
| 75° | 107.5 | 110.1 | 112.3 | 111.2 | 112.3 | 110.1 | 107.5 | 105.1 | 103.2 | 101.0 | 98.2 |
| 77.5° | 79.6 | 82.1 | 83.1 | 82.2 | 83.1 | 82.1 | 79.6 | 77.9 | 77.0 | 72.7 | 72.4 |
| 80° | 62.8 | 62.5 | 64.7 | 64.3 | 64.7 | 62.5 | 62.8 | 60.3 | 58.4 | 56.0 | 56.0 |
| 82.5° | 46.1 | 45.7 | 46.8 | 46.9 | 46.8 | 45.7 | 46.1 | 44.7 | 42.3 | 41.2 | 40.3 |
| 85° | 22.3 | 23.5 | 22.1 | 21.7 | 22.1 | 23.5 | 22.3 | 20.9 | 20.9 | 20.9 | 20.5 |
| 87.5° | 9.4 | 9.5 | 9.2 | 9.0 | 9.2 | 9.5 | 9.4 | 9.3 | 10.4 | 9.4 | 9.3 |
| 90° | 21.1 | 21.5 | 21.8 | 22.1 | 21.8 | 21.5 | 21.1 | 20.8 | 20.3 | 19.6 | 19.0 |
| 92.5° | 30.3 | 30.2 | 30.0 | 29.8 | 30.0 | 30.2 | 30.3 | 30.5 | 30.3 | 29.9 | 29.3 |
| 95° | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.1 | 56.5 | 55.8 |
| 97.5° | 88.6 | 88.6 | 88.5 | 88.4 | 88.5 | 88.6 | 88.6 | 88.7 | 88.3 | 87.6 | 86.8 |
| 100° | 111.0 | 111.3 | 111.7 | 112.0 | 111.7 | 111.3 | 111.0 | 110.7 | 110.3 | 109.8 | 109.3 |
| 102.5° | 136.4 | 136.3 | 136.3 | 136.2 | 136.3 | 136.3 | 136.4 | 136.5 | 136.2 | 135.7 | 135.3 |
| 105° | 174.4 | 174.7 | 175.0 | 175.4 | 175.0 | 174.7 | 174.4 | 174.1 | 173.9 | 173.9 | 173.9 |
| 107.5° | 216.8 | 216.6 | 216.4 | 216.2 | 216.4 | 216.6 | 216.8 | 217.0 | 216.9 | 216.3 | 215.7 |
| 110° | 244.9 | 244.6 | 244.2 | 243.9 | 244.2 | 244.6 | 244.9 | 245.2 | 245.1 | 244.4 | 243.7 |



TEST NUMBER: P331929-830

CATALOG NUMBER: S123DIP-S560D805U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 273.6 | 273.5 | 273.4 | 273.4 | 273.4 | 273.5 | 273.6 | 273.6 | 273.3 | 272.5 | 271.7 |
| 115° | 314.4 | 314.2 | 314.1 | 314.0 | 314.1 | 314.2 | 314.4 | 314.6 | 314.6 | 314.4 | 314.2 |
| 117.5° | 356.5 | 356.0 | 355.5 | 355.1 | 355.5 | 356.0 | 356.5 | 356.8 | 357.1 | 357.1 | 357.2 |
| 120° | 384.9 | 384.6 | 384.3 | 383.9 | 384.3 | 384.6 | 384.9 | 385.2 | 385.5 | 385.7 | 385.8 |
| 122.5° | 413.0 | 412.6 | 412.1 | 411.6 | 412.1 | 412.6 | 413.0 | 413.5 | 414.0 | 414.3 | 414.8 |
| 125° | 455.2 | 454.5 | 453.8 | 453.2 | 453.8 | 454.5 | 455.2 | 455.8 | 456.5 | 457.1 | 457.8 |
| 127.5° | 496.9 | 496.2 | 495.4 | 494.6 | 495.4 | 496.2 | 496.9 | 497.7 | 498.5 | 499.4 | 500.3 |
| 130° | 525.2 | 524.1 | 522.9 | 521.7 | 522.9 | 524.1 | 525.2 | 526.3 | 527.3 | 527.9 | 528.6 |
| 132.5° | 552.7 | 551.8 | 550.9 | 550.1 | 550.9 | 551.8 | 552.7 | 553.6 | 554.4 | 555.2 | 556.0 |
| 135° | 594.9 | 594.7 | 594.3 | 594.0 | 594.3 | 594.7 | 594.9 | 595.3 | 595.8 | 596.4 | 597.1 |
| 137.5° | 634.6 | 634.0 | 633.4 | 632.7 | 633.4 | 634.0 | 634.6 | 635.2 | 635.8 | 636.6 | 637.3 |
| 140° | 661.5 | 660.3 | 659.2 | 658.1 | 659.2 | 660.3 | 661.5 | 662.7 | 663.3 | 663.5 | 663.6 |
| 142.5° | 686.6 | 685.8 | 684.9 | 684.0 | 684.9 | 685.8 | 686.6 | 687.6 | 688.1 | 688.2 | 688.4 |
| 145° | 723.4 | 722.7 | 722.1 | 721.4 | 722.1 | 722.7 | 723.4 | 724.1 | 724.4 | 724.6 | 724.8 |
| 147.5° | 757.7 | 756.7 | 755.7 | 754.8 | 755.7 | 756.7 | 757.7 | 758.7 | 759.2 | 759.2 | 759.2 |
| 150° | 778.9 | 778.0 | 776.9 | 776.0 | 776.9 | 778.0 | 778.9 | 780.0 | 780.4 | 780.4 | 780.4 |
| 152.5° | 799.2 | 798.3 | 797.5 | 796.6 | 797.5 | 798.3 | 799.2 | 800.0 | 800.3 | 800.0 | 799.7 |
| 155° | 828.0 | 826.9 | 825.8 | 824.6 | 825.8 | 826.9 | 828.0 | 829.2 | 829.4 | 828.8 | 828.1 |
| 157.5° | 852.9 | 852.0 | 851.0 | 850.1 | 851.0 | 852.0 | 852.9 | 853.8 | 853.8 | 853.2 | 852.5 |
| 160° | 868.6 | 867.9 | 867.2 | 866.6 | 867.2 | 867.9 | 868.6 | 869.2 | 869.1 | 868.4 | 867.5 |
| 162.5° | 882.1 | 881.1 | 880.1 | 879.0 | 880.1 | 881.1 | 882.1 | 883.2 | 883.4 | 882.5 | 881.7 |
| 165° | 900.3 | 899.1 | 898.0 | 896.8 | 898.0 | 899.1 | 900.3 | 901.4 | 901.5 | 900.5 | 899.6 |
| 167.5° | 915.0 | 914.1 | 913.0 | 912.0 | 913.0 | 914.1 | 915.0 | 916.1 | 916.1 | 915.0 | 914.1 |
| 170° | 923.1 | 922.0 | 920.9 | 919.6 | 920.9 | 922.0 | 923.1 | 924.3 | 924.3 | 923.1 | 922.0 |
| 172.5° | 929.0 | 927.8 | 926.7 | 925.6 | 926.7 | 927.8 | 929.0 | 930.2 | 930.2 | 929.3 | 928.2 |
| 175° | 935.7 | 934.5 | 933.3 | 932.2 | 933.3 | 934.5 | 935.7 | 936.8 | 936.9 | 935.9 | 934.9 |
| 177.5° | 938.5 | 937.5 | 936.7 | 935.8 | 936.7 | 937.5 | 938.5 | 939.4 | 939.4 | 938.7 | 937.9 |
| 180° | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 |



TEST NUMBER: P331929-830

CATALOG NUMBER: S123DIP-S560D805U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 |
| 2.5° | 714.4 | 714.4 | 719.9 | 723.4 | 727.7 | 730.7 | 732.6 | 734.7 | 738.1 | 742.8 | 748.0 |
| 5° | 673.6 | 675.0 | 683.0 | 691.0 | 698.5 | 705.0 | 710.4 | 716.9 | 724.9 | 734.6 | 745.5 |
| 7.5° | 634.0 | 639.6 | 647.6 | 657.3 | 667.9 | 677.4 | 686.9 | 697.7 | 708.8 | 723.2 | 738.4 |
| 10° | 608.6 | 614.7 | 624.5 | 636.8 | 648.0 | 659.1 | 671.1 | 682.6 | 696.7 | 713.7 | 733.2 |
| 12.5° | 586.4 | 592.2 | 602.3 | 615.7 | 626.3 | 638.7 | 652.3 | 667.3 | 683.2 | 703.6 | 725.7 |
| 15° | 555.5 | 562.4 | 574.7 | 581.2 | 597.5 | 612.3 | 624.9 | 646.5 | 666.8 | 687.7 | 713.3 |
| 17.5° | 530.3 | 534.1 | 544.0 | 556.1 | 568.3 | 584.8 | 601.4 | 619.4 | 639.6 | 665.2 | 697.3 |
| 20° | 512.9 | 516.2 | 527.1 | 539.7 | 552.7 | 567.9 | 582.7 | 600.7 | 623.4 | 650.5 | 685.1 |
| 22.5° | 499.9 | 503.5 | 510.6 | 524.1 | 536.2 | 548.7 | 563.5 | 585.1 | 609.3 | 635.7 | 673.4 |
| 25° | 481.2 | 483.3 | 488.0 | 498.9 | 509.7 | 523.8 | 536.8 | 557.0 | 581.9 | 612.9 | 650.5 |
| 27.5° | 463.4 | 465.4 | 469.4 | 477.1 | 487.3 | 498.7 | 512.8 | 530.0 | 555.3 | 589.0 | 628.9 |
| 30° | 452.7 | 453.1 | 456.7 | 463.8 | 472.5 | 481.9 | 494.9 | 514.4 | 538.2 | 572.5 | 614.4 |
| 32.5° | 443.5 | 442.1 | 444.5 | 450.0 | 458.4 | 467.8 | 478.4 | 497.7 | 520.7 | 554.3 | 597.4 |
| 35° | 427.7 | 427.1 | 425.9 | 430.6 | 437.9 | 445.1 | 454.5 | 468.9 | 494.9 | 526.3 | 571.5 |
| 37.5° | 411.8 | 410.1 | 408.1 | 410.3 | 415.9 | 423.5 | 431.6 | 444.4 | 466.8 | 501.4 | 544.6 |
| 40° | 400.0 | 398.5 | 397.5 | 396.7 | 401.8 | 409.0 | 415.1 | 427.4 | 448.4 | 481.2 | 523.8 |
| 42.5° | 387.0 | 386.2 | 384.7 | 383.7 | 388.0 | 393.4 | 399.8 | 410.7 | 431.6 | 462.4 | 502.8 |
| 45° | 366.1 | 365.3 | 364.6 | 363.9 | 366.4 | 371.5 | 376.5 | 384.5 | 402.5 | 432.4 | 468.9 |
| 47.5° | 342.7 | 341.8 | 342.0 | 340.9 | 343.4 | 346.8 | 350.3 | 358.8 | 376.2 | 400.3 | 427.0 |
| 50° | 325.9 | 325.6 | 325.6 | 325.6 | 326.3 | 330.3 | 333.6 | 340.1 | 355.9 | 380.1 | 399.3 |
| 52.5° | 310.1 | 308.6 | 308.6 | 309.2 | 310.5 | 313.0 | 315.1 | 322.2 | 336.0 | 355.9 | 373.2 |
| 55° | 285.2 | 282.3 | 281.5 | 282.3 | 283.4 | 285.5 | 287.7 | 293.5 | 305.4 | 320.2 | 330.3 |
| 57.5° | 257.6 | 256.0 | 255.1 | 255.2 | 255.8 | 257.5 | 259.2 | 265.5 | 274.8 | 282.6 | 289.1 |
| 60° | 238.3 | 238.9 | 235.7 | 236.5 | 236.5 | 237.9 | 240.4 | 244.4 | 252.3 | 257.8 | 264.3 |
| 62.5° | 220.1 | 219.0 | 218.1 | 217.1 | 217.1 | 217.6 | 221.0 | 224.1 | 230.9 | 233.8 | 238.8 |
| 65° | 191.7 | 191.7 | 189.5 | 190.2 | 190.6 | 188.0 | 189.9 | 193.5 | 197.8 | 198.9 | 203.6 |
| 67.5° | 163.0 | 161.9 | 160.7 | 159.7 | 159.7 | 159.4 | 160.3 | 162.1 | 165.4 | 165.8 | 169.4 |
| 70° | 143.3 | 142.6 | 142.2 | 141.2 | 139.7 | 141.5 | 140.4 | 142.2 | 144.0 | 144.4 | 146.6 |
| 72.5° | 124.2 | 123.6 | 122.9 | 121.8 | 121.2 | 121.0 | 121.1 | 123.2 | 124.4 | 123.9 | 126.3 |
| 75° | 97.1 | 96.4 | 95.7 | 93.9 | 93.9 | 92.7 | 93.1 | 94.5 | 96.0 | 94.9 | 97.1 |
| 77.5° | 71.4 | 69.1 | 69.0 | 69.5 | 68.2 | 68.4 | 68.1 | 67.8 | 68.4 | 68.5 | 70.5 |
| 80° | 54.9 | 52.3 | 53.1 | 52.7 | 52.3 | 52.0 | 51.3 | 51.7 | 52.0 | 52.3 | 53.4 |
| 82.5° | 39.6 | 39.3 | 38.6 | 38.5 | 38.2 | 37.2 | 36.9 | 37.5 | 37.8 | 37.6 | 38.5 |
| 85° | 20.2 | 19.1 | 19.9 | 19.5 | 19.9 | 19.5 | 18.4 | 18.4 | 19.1 | 18.8 | 19.5 |
| 87.5° | 9.7 | 9.6 | 8.9 | 8.8 | 8.0 | 7.9 | 7.3 | 7.2 | 7.2 | 6.8 | 7.1 |
| 90° | 18.4 | 17.7 | 15.6 | 13.4 | 11.3 | 9.1 | 7.3 | 5.7 | 4.1 | 2.4 | 0.8 |
| 92.5° | 28.8 | 28.3 | 27.1 | 25.9 | 24.7 | 23.5 | 22.2 | 21.2 | 20.1 | 18.9 | 17.8 |
| 95° | 55.2 | 54.6 | 53.3 | 51.9 | 50.6 | 49.3 | 48.1 | 46.9 | 45.8 | 44.6 | 43.5 |
| 97.5° | 86.1 | 85.3 | 84.4 | 83.4 | 82.5 | 81.5 | 80.7 | 79.7 | 78.9 | 78.0 | 77.2 |
| 100° | 108.9 | 108.3 | 107.5 | 106.7 | 105.8 | 105.1 | 104.2 | 103.2 | 102.2 | 101.2 | 100.2 |
| 102.5° | 134.8 | 134.3 | 133.2 | 132.1 | 131.0 | 130.0 | 129.1 | 128.6 | 127.9 | 127.3 | 126.8 |
| 105° | 173.9 | 173.9 | 172.5 | 171.0 | 169.5 | 168.1 | 167.1 | 166.8 | 166.5 | 166.2 | 165.8 |
| 107.5° | 215.3 | 214.7 | 214.1 | 213.6 | 213.0 | 212.4 | 212.0 | 211.8 | 211.6 | 211.4 | 211.2 |
| 110° | 243.1 | 242.4 | 242.1 | 241.8 | 241.5 | 241.1 | 240.8 | 240.4 | 240.2 | 239.8 | 239.5 |



TEST NUMBER: P331929-830

CATALOG NUMBER: S123DIP-S560D805U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 271.0 | 270.1 | 270.1 | 270.0 | 269.9 | 269.8 | 269.8 | 269.6 | 269.4 | 269.2 | 269.0 |
| 115° | 314.1 | 314.0 | 314.2 | 314.6 | 314.9 | 315.3 | 315.2 | 314.6 | 314.1 | 313.7 | 313.2 |
| 117.5° | 357.2 | 357.2 | 357.7 | 358.1 | 358.5 | 358.9 | 359.0 | 358.6 | 358.4 | 358.1 | 357.7 |
| 120° | 386.0 | 386.2 | 387.0 | 387.8 | 388.6 | 389.5 | 389.4 | 388.3 | 387.4 | 386.3 | 385.4 |
| 122.5° | 415.2 | 415.7 | 416.0 | 416.5 | 416.9 | 417.4 | 417.2 | 416.4 | 415.8 | 415.0 | 414.3 |
| 125° | 458.5 | 459.1 | 459.4 | 459.8 | 460.1 | 460.4 | 460.3 | 459.9 | 459.3 | 458.8 | 458.4 |
| 127.5° | 501.2 | 502.1 | 502.5 | 502.8 | 503.2 | 503.6 | 503.2 | 502.2 | 501.1 | 500.1 | 499.1 |
| 130° | 529.1 | 529.8 | 530.4 | 530.8 | 531.3 | 531.8 | 531.4 | 530.1 | 528.8 | 527.4 | 526.1 |
| 132.5° | 556.8 | 557.5 | 557.9 | 558.3 | 558.6 | 559.0 | 558.6 | 557.2 | 555.9 | 554.6 | 553.3 |
| 135° | 597.8 | 598.4 | 598.5 | 598.7 | 598.9 | 599.1 | 598.6 | 597.7 | 596.6 | 595.7 | 594.7 |
| 137.5° | 637.9 | 638.6 | 638.2 | 637.7 | 637.3 | 636.9 | 636.3 | 635.5 | 634.6 | 633.9 | 633.0 |
| 140° | 663.8 | 663.9 | 663.8 | 663.6 | 663.5 | 663.3 | 662.8 | 662.0 | 661.2 | 660.3 | 659.5 |
| 142.5° | 688.5 | 688.7 | 688.4 | 688.2 | 687.9 | 687.6 | 687.0 | 686.2 | 685.3 | 684.6 | 683.7 |
| 145° | 725.0 | 725.1 | 724.6 | 724.2 | 723.7 | 723.1 | 722.7 | 722.5 | 722.1 | 721.8 | 721.4 |
| 147.5° | 759.2 | 759.2 | 758.7 | 758.3 | 757.8 | 757.3 | 756.9 | 756.2 | 755.6 | 755.1 | 754.5 |
| 150° | 780.4 | 780.4 | 780.0 | 779.8 | 779.4 | 779.1 | 778.7 | 778.4 | 778.1 | 777.8 | 777.4 |
| 152.5° | 799.6 | 799.3 | 799.1 | 798.9 | 798.7 | 798.5 | 798.1 | 797.7 | 797.2 | 796.7 | 796.4 |
| 155° | 827.5 | 826.8 | 826.7 | 826.5 | 826.3 | 826.1 | 826.0 | 826.0 | 826.0 | 826.0 | 826.0 |
| 157.5° | 851.9 | 851.1 | 851.0 | 850.9 | 850.7 | 850.6 | 850.6 | 850.8 | 851.0 | 851.2 | 851.4 |
| 160° | 866.7 | 865.9 | 865.9 | 865.9 | 865.9 | 865.9 | 866.0 | 866.4 | 866.7 | 867.0 | 867.3 |
| 162.5° | 880.8 | 880.1 | 879.9 | 879.8 | 879.7 | 879.5 | 879.7 | 880.1 | 880.6 | 881.1 | 881.5 |
| 165° | 898.5 | 897.6 | 897.6 | 897.6 | 897.6 | 897.6 | 897.8 | 898.3 | 898.8 | 899.3 | 899.8 |
| 167.5° | 913.0 | 912.0 | 911.9 | 911.7 | 911.6 | 911.5 | 911.7 | 912.4 | 913.0 | 913.7 | 914.4 |
| 170° | 920.9 | 919.6 | 919.6 | 919.6 | 919.6 | 919.6 | 920.0 | 920.7 | 921.3 | 922.0 | 922.7 |
| 172.5° | 927.2 | 926.1 | 926.1 | 926.1 | 926.1 | 926.1 | 926.5 | 927.2 | 927.8 | 928.5 | 929.1 |
| 175° | 934.0 | 932.9 | 932.9 | 932.9 | 932.9 | 932.9 | 933.3 | 934.0 | 934.6 | 935.2 | 935.9 |
| 177.5° | 937.1 | 936.3 | 936.3 | 936.3 | 936.3 | 936.3 | 936.6 | 937.1 | 937.6 | 938.2 | 938.7 |
| 180° | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 |



TEST NUMBER: P331929-830

CATALOG NUMBER: S123DIP-S560D805U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0° | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 |
| 2.5° | 749.7 | 751.1 | 756.0 | 759.5 | 763.6 | 765.9 | 768.2 | 770.0 | 772.2 | 772.8 | 781.2 |
| 5° | 753.0 | 760.3 | 772.9 | 782.2 | 793.8 | 806.4 | 815.1 | 819.1 | 829.5 | 838.2 | 855.5 |
| 7.5° | 752.1 | 767.4 | 786.6 | 806.3 | 827.6 | 847.2 | 864.2 | 884.4 | 898.8 | 920.4 | 941.7 |
| 10° | 751.2 | 771.8 | 796.4 | 821.6 | 851.2 | 878.6 | 903.2 | 930.7 | 953.4 | 983.4 | 1009.0 |
| 12.5° | 748.7 | 773.5 | 807.6 | 837.4 | 873.5 | 911.3 | 947.6 | 982.9 | 1003.1 | 1052.9 | 1076.6 |
| 15° | 742.2 | 771.8 | 814.4 | 859.9 | 909.4 | 954.1 | 1000.3 | 1037.1 | 1096.6 | 1140.4 | 1168.2 |
| 17.5° | 729.9 | 771.4 | 821.9 | 876.8 | 936.9 | 995.9 | 1048.2 | 1104.1 | 1167.3 | 1220.1 | 1276.5 |
| 20° | 724.2 | 769.6 | 826.0 | 886.6 | 949.0 | 1015.8 | 1075.3 | 1142.6 | 1211.4 | 1263.5 | 1335.7 |
| 22.5° | 713.5 | 765.0 | 825.7 | 893.2 | 960.0 | 1029.1 | 1098.8 | 1166.5 | 1246.1 | 1317.8 | 1386.5 |
| 25° | 696.0 | 753.8 | 816.5 | 892.0 | 970.3 | 1039.6 | 1123.0 | 1213.0 | 1296.0 | 1388.0 | 1456.6 |
| 27.5° | 677.7 | 739.3 | 802.3 | 872.4 | 956.7 | 1039.0 | 1143.9 | 1245.4 | 1346.9 | 1426.4 | 1477.2 |
| 30° | 663.5 | 723.4 | 788.4 | 859.1 | 942.5 | 1040.4 | 1157.7 | 1268.5 | 1367.4 | 1435.7 | 1464.1 |
| 32.5° | 648.2 | 709.0 | 766.5 | 840.7 | 929.5 | 1039.5 | 1166.4 | 1282.0 | 1368.6 | 1414.0 | 1408.4 |
| 35° | 624.2 | 675.0 | 731.0 | 802.5 | 907.2 | 1033.1 | 1171.4 | 1283.3 | 1336.3 | 1326.6 | 1253.0 |
| 37.5° | 589.5 | 632.4 | 687.4 | 765.6 | 881.2 | 1019.8 | 1161.3 | 1245.3 | 1241.8 | 1162.4 | 1055.7 |
| 40° | 567.9 | 604.3 | 657.3 | 739.7 | 860.9 | 1011.2 | 1145.4 | 1200.0 | 1153.8 | 1042.9 | 915.1 |
| 42.5° | 539.5 | 573.1 | 626.1 | 710.8 | 838.8 | 993.5 | 1115.1 | 1130.9 | 1040.5 | 912.9 | 795.9 |
| 45° | 495.7 | 525.3 | 580.1 | 667.5 | 805.4 | 955.2 | 1041.1 | 1002.5 | 880.8 | 749.0 | 659.9 |
| 47.5° | 448.5 | 479.3 | 532.1 | 621.8 | 757.1 | 897.5 | 938.4 | 856.3 | 731.3 | 624.5 | 542.6 |
| 50° | 418.8 | 448.4 | 499.9 | 590.6 | 724.5 | 850.2 | 867.1 | 761.0 | 646.2 | 552.3 | 485.1 |
| 52.5° | 388.7 | 416.6 | 467.3 | 558.3 | 686.4 | 795.2 | 784.8 | 676.7 | 571.1 | 491.1 | 438.4 |
| 55° | 344.0 | 370.4 | 418.8 | 504.0 | 620.6 | 706.8 | 668.9 | 565.7 | 478.3 | 416.2 | 376.2 |
| 57.5° | 304.1 | 329.3 | 371.0 | 448.0 | 549.3 | 608.6 | 560.4 | 473.4 | 404.0 | 356.2 | 326.3 |
| 60° | 276.9 | 299.3 | 338.9 | 410.5 | 498.5 | 543.7 | 496.0 | 419.1 | 360.6 | 322.3 | 295.7 |
| 62.5° | 251.2 | 270.7 | 307.5 | 372.3 | 448.8 | 486.7 | 438.6 | 373.4 | 323.7 | 289.7 | 267.0 |
| 65° | 212.3 | 230.0 | 262.4 | 313.0 | 375.8 | 401.1 | 359.6 | 306.8 | 268.2 | 243.0 | 227.8 |
| 67.5° | 176.7 | 191.7 | 219.8 | 259.6 | 305.9 | 324.2 | 292.7 | 251.8 | 222.7 | 202.5 | 190.4 |
| 70° | 153.1 | 166.1 | 188.0 | 222.3 | 264.3 | 278.3 | 248.7 | 215.2 | 193.9 | 177.6 | 166.5 |
| 72.5° | 133.1 | 142.7 | 162.7 | 189.2 | 224.1 | 235.3 | 214.6 | 185.1 | 165.2 | 153.1 | 144.2 |
| 75° | 101.4 | 109.3 | 122.3 | 143.6 | 167.9 | 174.4 | 158.8 | 140.4 | 127.1 | 118.4 | 111.5 |
| 77.5° | 73.1 | 79.0 | 88.4 | 101.5 | 118.3 | 124.1 | 114.3 | 102.0 | 92.3 | 86.4 | 82.6 |
| 80° | 55.2 | 59.9 | 67.9 | 78.7 | 88.8 | 92.1 | 86.2 | 76.9 | 70.0 | 66.8 | 63.5 |
| 82.5° | 40.8 | 43.5 | 48.3 | 55.6 | 62.5 | 66.4 | 61.5 | 55.8 | 52.1 | 49.2 | 48.0 |
| 85° | 20.5 | 22.1 | 24.2 | 27.1 | 31.4 | 32.9 | 31.0 | 29.6 | 27.4 | 25.6 | 25.6 |
| 87.5° | 8.0 | 8.3 | 9.5 | 10.4 | 12.0 | 13.2 | 13.4 | 13.2 | 13.4 | 13.2 | 13.0 |
| 90° | 2.4 | 4.1 | 5.7 | 7.3 | 9.1 | 11.3 | 13.4 | 15.6 | 17.7 | 18.4 | 19.0 |
| 92.5° | 18.9 | 20.1 | 21.2 | 22.2 | 23.5 | 24.7 | 25.9 | 27.1 | 28.3 | 28.8 | 29.3 |
| 95° | 44.6 | 45.8 | 46.9 | 48.1 | 49.3 | 50.6 | 51.9 | 53.3 | 54.6 | 55.2 | 55.8 |
| 97.5° | 78.0 | 78.9 | 79.7 | 80.7 | 81.5 | 82.5 | 83.4 | 84.4 | 85.3 | 86.1 | 86.8 |
| 100° | 101.2 | 102.2 | 103.2 | 104.2 | 105.1 | 105.8 | 106.7 | 107.5 | 108.3 | 108.9 | 109.3 |
| 102.5° | 127.3 | 127.9 | 128.6 | 129.1 | 130.0 | 131.0 | 132.1 | 133.2 | 134.3 | 134.8 | 135.3 |
| 105° | 166.2 | 166.5 | 166.8 | 167.1 | 168.1 | 169.5 | 171.0 | 172.5 | 173.9 | 173.9 | 173.9 |
| 107.5° | 211.4 | 211.6 | 211.8 | 212.0 | 212.4 | 213.0 | 213.6 | 214.1 | 214.7 | 215.3 | 215.7 |
| 110° | 239.8 | 240.2 | 240.4 | 240.8 | 241.1 | 241.5 | 241.8 | 242.1 | 242.4 | 243.1 | 243.7 |



TEST NUMBER: P331929-830

CATALOG NUMBER: S123DIP-S560D805U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 269.2 | 269.4 | 269.6 | 269.8 | 269.8 | 269.9 | 270.0 | 270.1 | 270.1 | 271.0 | 271.7 |
| 115° | 313.7 | 314.1 | 314.6 | 315.2 | 315.3 | 314.9 | 314.6 | 314.2 | 314.0 | 314.1 | 314.2 |
| 117.5° | 358.1 | 358.4 | 358.6 | 359.0 | 358.9 | 358.5 | 358.1 | 357.7 | 357.2 | 357.2 | 357.2 |
| 120° | 386.3 | 387.4 | 388.3 | 389.4 | 389.5 | 388.6 | 387.8 | 387.0 | 386.2 | 386.0 | 385.8 |
| 122.5° | 415.0 | 415.8 | 416.4 | 417.2 | 417.4 | 416.9 | 416.5 | 416.0 | 415.7 | 415.2 | 414.8 |
| 125° | 458.8 | 459.3 | 459.9 | 460.3 | 460.4 | 460.1 | 459.8 | 459.4 | 459.1 | 458.5 | 457.8 |
| 127.5° | 500.1 | 501.1 | 502.2 | 503.2 | 503.6 | 503.2 | 502.8 | 502.5 | 502.1 | 501.2 | 500.3 |
| 130° | 527.4 | 528.8 | 530.1 | 531.4 | 531.8 | 531.3 | 530.8 | 530.4 | 529.8 | 529.1 | 528.6 |
| 132.5° | 554.6 | 555.9 | 557.2 | 558.6 | 559.0 | 558.6 | 558.3 | 557.9 | 557.5 | 556.8 | 556.0 |
| 135° | 595.7 | 596.6 | 597.7 | 598.6 | 599.1 | 598.9 | 598.7 | 598.5 | 598.4 | 597.8 | 597.1 |
| 137.5° | 633.9 | 634.6 | 635.5 | 636.3 | 636.9 | 637.3 | 637.7 | 638.2 | 638.6 | 637.9 | 637.3 |
| 140° | 660.3 | 661.2 | 662.0 | 662.8 | 663.3 | 663.5 | 663.6 | 663.8 | 663.9 | 663.8 | 663.6 |
| 142.5° | 684.6 | 685.3 | 686.2 | 687.0 | 687.6 | 687.9 | 688.2 | 688.4 | 688.7 | 688.5 | 688.4 |
| 145° | 721.8 | 722.1 | 722.5 | 722.7 | 723.1 | 723.7 | 724.2 | 724.6 | 725.1 | 725.0 | 724.8 |
| 147.5° | 755.1 | 755.6 | 756.2 | 756.9 | 757.3 | 757.8 | 758.3 | 758.7 | 759.2 | 759.2 | 759.2 |
| 150° | 777.8 | 778.1 | 778.4 | 778.7 | 779.1 | 779.4 | 779.8 | 780.0 | 780.4 | 780.4 | 780.4 |
| 152.5° | 796.7 | 797.2 | 797.7 | 798.1 | 798.5 | 798.7 | 798.9 | 799.1 | 799.3 | 799.6 | 799.7 |
| 155° | 826.0 | 826.0 | 826.0 | 826.0 | 826.1 | 826.3 | 826.5 | 826.7 | 826.8 | 827.5 | 828.1 |
| 157.5° | 851.2 | 851.0 | 850.8 | 850.6 | 850.6 | 850.7 | 850.9 | 851.0 | 851.1 | 851.9 | 852.5 |
| 160° | 867.0 | 866.7 | 866.4 | 866.0 | 865.9 | 865.9 | 865.9 | 865.9 | 865.9 | 866.7 | 867.5 |
| 162.5° | 881.1 | 880.6 | 880.1 | 879.7 | 879.5 | 879.7 | 879.8 | 879.9 | 880.1 | 880.8 | 881.7 |
| 165° | 899.3 | 898.8 | 898.3 | 897.8 | 897.6 | 897.6 | 897.6 | 897.6 | 897.6 | 898.5 | 899.6 |
| 167.5° | 913.7 | 913.0 | 912.4 | 911.7 | 911.5 | 911.6 | 911.7 | 911.9 | 912.0 | 913.0 | 914.1 |
| 170° | 922.0 | 921.3 | 920.7 | 920.0 | 919.6 | 919.6 | 919.6 | 919.6 | 919.6 | 920.9 | 922.0 |
| 172.5° | 928.5 | 927.8 | 927.2 | 926.5 | 926.1 | 926.1 | 926.1 | 926.1 | 926.1 | 927.2 | 928.2 |
| 175° | 935.2 | 934.6 | 934.0 | 933.3 | 932.9 | 932.9 | 932.9 | 932.9 | 932.9 | 934.0 | 934.9 |
| 177.5° | 938.2 | 937.6 | 937.1 | 936.6 | 936.3 | 936.3 | 936.3 | 936.3 | 936.3 | 937.1 | 937.9 |
| 180° | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 |



TEST NUMBER: P331929-830

CATALOG NUMBER: S123DIP-S560D805U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 | 745.1 |
| 2.5° | 784.1 | 784.4 | 787.5 | 789.9 | 788.7 | 790.1 | 790.7 |
| 5° | 856.6 | 869.6 | 876.5 | 881.6 | 881.9 | 882.2 | 885.1 |
| 7.5° | 959.5 | 973.5 | 983.6 | 999.1 | 1003.7 | 1009.0 | 1007.5 |
| 10° | 1034.6 | 1055.2 | 1072.9 | 1082.2 | 1092.3 | 1107.1 | 1095.2 |
| 12.5° | 1104.8 | 1141.2 | 1168.2 | 1182.7 | 1192.3 | 1195.2 | 1189.4 |
| 15° | 1220.5 | 1268.2 | 1293.8 | 1293.1 | 1325.6 | 1339.6 | 1317.6 |
| 17.5° | 1326.6 | 1370.6 | 1405.8 | 1423.9 | 1451.0 | 1457.0 | 1454.2 |
| 20° | 1391.6 | 1439.6 | 1467.1 | 1498.1 | 1512.2 | 1524.8 | 1527.0 |
| 22.5° | 1447.7 | 1490.7 | 1520.2 | 1546.1 | 1557.8 | 1563.8 | 1567.4 |
| 25° | 1505.3 | 1539.3 | 1557.0 | 1565.9 | 1569.2 | 1568.5 | 1563.8 |
| 27.5° | 1501.4 | 1503.9 | 1484.5 | 1465.4 | 1448.2 | 1428.9 | 1422.3 |
| 30° | 1462.4 | 1432.0 | 1377.9 | 1347.2 | 1302.1 | 1266.3 | 1280.8 |
| 32.5° | 1359.8 | 1299.5 | 1238.7 | 1171.6 | 1116.1 | 1100.3 | 1084.4 |
| 35° | 1160.6 | 1054.4 | 992.4 | 920.2 | 891.3 | 862.4 | 842.5 |
| 37.5° | 939.0 | 856.9 | 783.2 | 735.9 | 707.0 | 688.8 | 678.9 |
| 40° | 811.9 | 737.8 | 677.2 | 638.9 | 616.9 | 596.3 | 593.4 |
| 42.5° | 710.5 | 641.7 | 596.1 | 565.6 | 544.4 | 535.7 | 529.3 |
| 45° | 581.9 | 533.9 | 503.2 | 481.5 | 467.5 | 462.0 | 454.9 |
| 47.5° | 492.6 | 458.6 | 435.5 | 420.8 | 410.2 | 406.1 | 405.6 |
| 50° | 442.6 | 414.4 | 397.5 | 385.9 | 377.6 | 376.2 | 370.4 |
| 52.5° | 405.0 | 380.6 | 367.4 | 357.3 | 351.3 | 347.2 | 345.5 |
| 55° | 351.6 | 335.4 | 323.5 | 317.6 | 313.0 | 309.0 | 309.0 |
| 57.5° | 307.6 | 294.1 | 286.2 | 281.3 | 279.8 | 277.0 | 275.2 |
| 60° | 280.5 | 268.9 | 262.8 | 258.4 | 255.6 | 255.9 | 252.7 |
| 62.5° | 253.9 | 246.4 | 240.5 | 236.2 | 232.8 | 232.8 | 233.1 |
| 65° | 216.2 | 210.5 | 206.1 | 204.7 | 202.6 | 200.0 | 200.7 |
| 67.5° | 183.2 | 177.9 | 174.5 | 172.0 | 171.3 | 169.8 | 172.0 |
| 70° | 159.6 | 155.6 | 153.1 | 150.9 | 150.1 | 150.5 | 152.3 |
| 72.5° | 137.9 | 135.1 | 133.5 | 132.4 | 130.8 | 130.9 | 132.1 |
| 75° | 108.3 | 106.1 | 104.7 | 103.6 | 103.2 | 103.2 | 103.2 |
| 77.5° | 79.6 | 79.1 | 78.4 | 76.8 | 76.9 | 77.3 | 77.4 |
| 80° | 62.8 | 61.7 | 61.4 | 60.6 | 59.6 | 58.8 | 60.6 |
| 82.5° | 46.9 | 45.8 | 45.5 | 45.3 | 43.6 | 43.5 | 45.1 |
| 85° | 25.3 | 24.2 | 24.5 | 24.2 | 24.2 | 23.8 | 23.8 |
| 87.5° | 12.9 | 12.7 | 12.5 | 12.9 | 12.6 | 12.4 | 13.1 |
| 90° | 19.6 | 20.3 | 20.8 | 21.1 | 21.5 | 21.8 | 22.1 |
| 92.5° | 29.9 | 30.3 | 30.5 | 30.3 | 30.2 | 30.0 | 29.8 |
| 95° | 56.5 | 57.1 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 |
| 97.5° | 87.6 | 88.3 | 88.7 | 88.6 | 88.6 | 88.5 | 88.4 |
| 100° | 109.8 | 110.3 | 110.7 | 111.0 | 111.3 | 111.7 | 112.0 |
| 102.5° | 135.7 | 136.2 | 136.5 | 136.4 | 136.3 | 136.3 | 136.2 |
| 105° | 173.9 | 173.9 | 174.1 | 174.4 | 174.7 | 175.0 | 175.4 |
| 107.5° | 216.3 | 216.9 | 217.0 | 216.8 | 216.6 | 216.4 | 216.2 |
| 110° | 244.4 | 245.1 | 245.2 | 244.9 | 244.6 | 244.2 | 243.9 |



TEST NUMBER: P331929-830

CATALOG NUMBER: S123DIP-S560D805U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 272.5 | 273.3 | 273.6 | 273.6 | 273.5 | 273.4 | 273.4 |
| 115° | 314.4 | 314.6 | 314.6 | 314.4 | 314.2 | 314.1 | 314.0 |
| 117.5° | 357.1 | 357.1 | 356.8 | 356.5 | 356.0 | 355.5 | 355.1 |
| 120° | 385.7 | 385.5 | 385.2 | 384.9 | 384.6 | 384.3 | 383.9 |
| 122.5° | 414.3 | 414.0 | 413.5 | 413.0 | 412.6 | 412.1 | 411.6 |
| 125° | 457.1 | 456.5 | 455.8 | 455.2 | 454.5 | 453.8 | 453.2 |
| 127.5° | 499.4 | 498.5 | 497.7 | 496.9 | 496.2 | 495.4 | 494.6 |
| 130° | 527.9 | 527.3 | 526.3 | 525.2 | 524.1 | 522.9 | 521.7 |
| 132.5° | 555.2 | 554.4 | 553.6 | 552.7 | 551.8 | 550.9 | 550.1 |
| 135° | 596.4 | 595.8 | 595.3 | 594.9 | 594.7 | 594.3 | 594.0 |
| 137.5° | 636.6 | 635.8 | 635.2 | 634.6 | 634.0 | 633.4 | 632.7 |
| 140° | 663.5 | 663.3 | 662.7 | 661.5 | 660.3 | 659.2 | 658.1 |
| 142.5° | 688.2 | 688.1 | 687.6 | 686.6 | 685.8 | 684.9 | 684.0 |
| 145° | 724.6 | 724.4 | 724.1 | 723.4 | 722.7 | 722.1 | 721.4 |
| 147.5° | 759.2 | 759.2 | 758.7 | 757.7 | 756.7 | 755.7 | 754.8 |
| 150° | 780.4 | 780.4 | 780.0 | 778.9 | 778.0 | 776.9 | 776.0 |
| 152.5° | 800.0 | 800.3 | 800.0 | 799.2 | 798.3 | 797.5 | 796.6 |
| 155° | 828.8 | 829.4 | 829.2 | 828.0 | 826.9 | 825.8 | 824.6 |
| 157.5° | 853.2 | 853.8 | 853.8 | 852.9 | 852.0 | 851.0 | 850.1 |
| 160° | 868.4 | 869.1 | 869.2 | 868.6 | 867.9 | 867.2 | 866.6 |
| 162.5° | 882.5 | 883.4 | 883.2 | 882.1 | 881.1 | 880.1 | 879.0 |
| 165° | 900.5 | 901.5 | 901.4 | 900.3 | 899.1 | 898.0 | 896.8 |
| 167.5° | 915.0 | 916.1 | 916.1 | 915.0 | 914.1 | 913.0 | 912.0 |
| 170° | 923.1 | 924.3 | 924.3 | 923.1 | 922.0 | 920.9 | 919.6 |
| 172.5° | 929.3 | 930.2 | 930.2 | 929.0 | 927.8 | 926.7 | 925.6 |
| 175° | 935.9 | 936.9 | 936.8 | 935.7 | 934.5 | 933.3 | 932.2 |
| 177.5° | 938.7 | 939.4 | 939.4 | 938.5 | 937.5 | 936.7 | 935.8 |
| 180° | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 |

(END OF REPORT)