

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: P331929-930

Luminaire Tested: **S123DIP-S560D805U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331929-930
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-S560D805U930-4F0-1E-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: 4195.9 lumens
Efficiency: N/A
Efficacy: 109.3 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

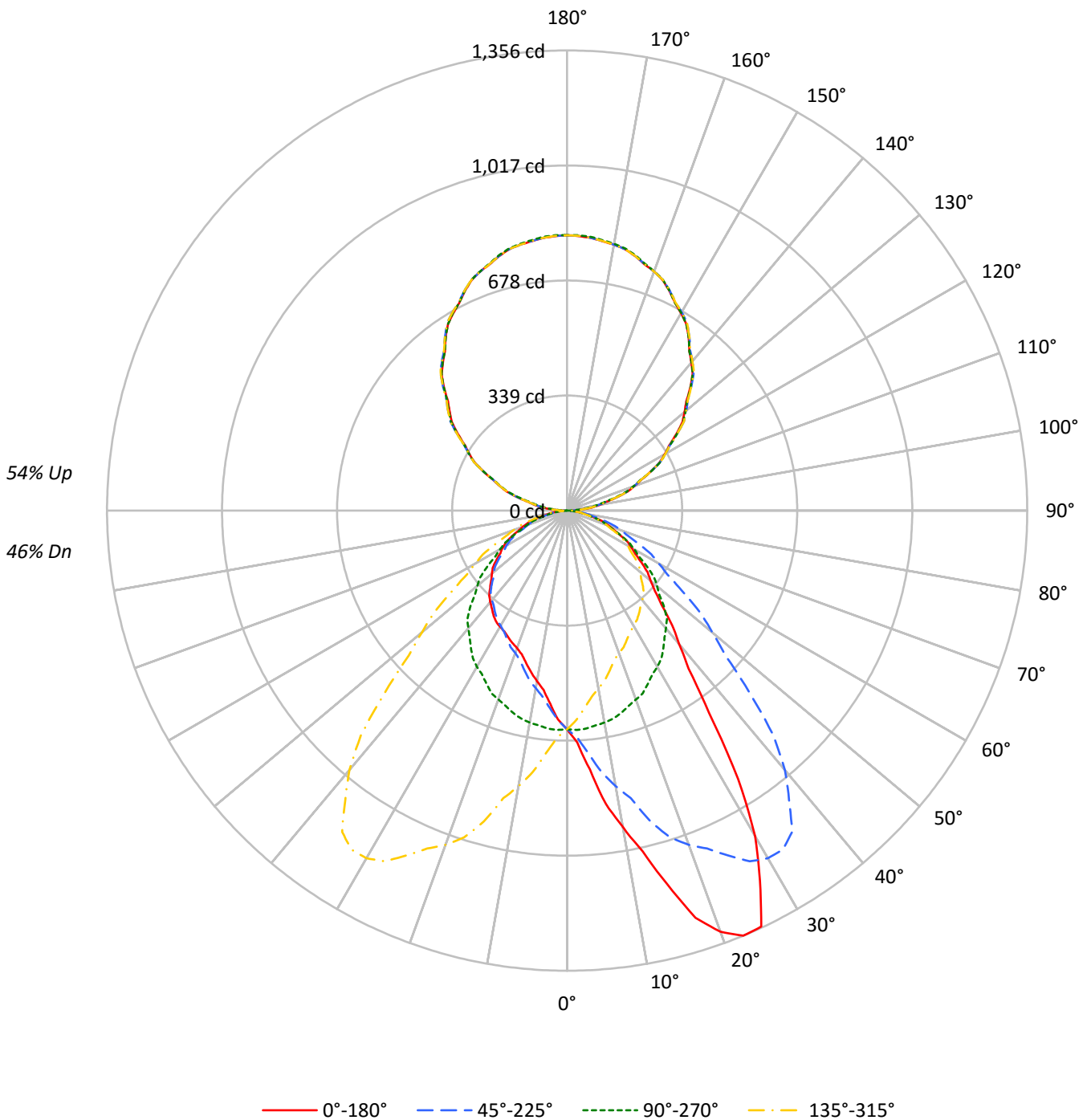
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331929-930

CATALOG NUMBER: S123DIP-S560D805U930-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P331929-930

CATALOG NUMBER: S123DIP-S560D805U930-4F0-1E-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 | 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° | 6937 | 6937 | 6937 | 6937 |
| 5° | 8272 | 6967 | 6174 | 6967 |
| 10° | 10355 | 6932 | 5576 | 6932 |
| 15° | 12700 | 6876 | 5192 | 6876 |
| 20° | 15131 | 6788 | 4943 | 6788 |
| 25° | 16066 | 6683 | 4888 | 6683 |
| 30° | 13770 | 6606 | 4913 | 6606 |
| 35° | 9577 | 6495 | 4964 | 6495 |
| 40° | 7213 | 6367 | 4949 | 6367 |
| 45° | 5990 | 6174 | 4886 | 6174 |
| 50° | 5365 | 5784 | 4843 | 5784 |
| 55° | 5016 | 5362 | 4782 | 5362 |
| 60° | 4706 | 4921 | 4732 | 4921 |
| 65° | 4422 | 4485 | 4582 | 4485 |
| 70° | 4148 | 3991 | 4362 | 3991 |
| 75° | 3714 | 3493 | 4001 | 3493 |
| 80° | 3248 | 2864 | 3446 | 2864 |
| 85° | 2544 | 2087 | 2322 | 2087 |



TEST NUMBER: P331929-930

CATALOG NUMBER: S123DIP-S560D805U930-4F0-1E-UDD-A1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 63.5 | 1.5 |
| 10°-20° | 203.6 | 4.9 |
| 20°-30° | 341.7 | 8.1 |
| 30°-40° | 386.9 | 9.2 |
| 40°-50° | 346.9 | 8.3 |
| 50°-60° | 280.0 | 6.7 |
| 60°-70° | 195.1 | 4.6 |
| 70°-80° | 102.5 | 2.4 |
| 80°-90° | 27.5 | 0.7 |
| 90°-100° | 52.9 | 1.3 |
| 100°-110° | 158.2 | 3.8 |
| 110°-120° | 269.1 | 6.4 |
| 120°-130° | 354.0 | 8.4 |
| 130°-140° | 397.9 | 9.5 |
| 140°-150° | 391.1 | 9.3 |
| 150°-160° | 329.2 | 7.8 |
| 160°-170° | 219.2 | 5.2 |
| 170°-180° | 76.7 | 1.8 |
| 0°-30° | 608.7 | 14.5 |
| 0°-40° | 995.6 | 23.7 |
| 0°-60° | 1622.5 | 38.7 |
| 0°-90° | 1947.6 | 46.4 |
| 90°-120° | 480.2 | 11.4 |
| 90°-150° | 1623.1 | 38.7 |
| 90°-180° | 2248.0 | 53.6 |
| 0°-180° | 4195.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|-----|------|------|------|------|
| 0° | 644 | 644 | 644 | 644 | 644 | |
| 5° | 766 | 645 | 571 | 645 | 766 | 79 |
| 15° | 1140 | 617 | 466 | 617 | 1140 | 329 |
| 25° | 1353 | 563 | 412 | 563 | 1353 | 593 |
| 35° | 729 | 494 | 378 | 494 | 729 | 473 |
| 45° | 394 | 406 | 321 | 406 | 394 | 311 |
| 55° | 267 | 286 | 255 | 286 | 267 | 240 |
| 65° | 174 | 176 | 180 | 176 | 174 | 173 |
| 75° | 89 | 84 | 96 | 84 | 89 | 96 |
| 85° | 21 | 17 | 19 | 17 | 21 | 25 |
| 90° | 19 | 1 | 19 | 1 | 19 | 10 |
| 95° | 50 | 38 | 50 | 38 | 50 | 51 |
| 105° | 152 | 143 | 152 | 143 | 152 | 161 |
| 115° | 272 | 271 | 272 | 271 | 272 | 269 |
| 125° | 392 | 396 | 392 | 396 | 392 | 350 |
| 135° | 514 | 514 | 514 | 514 | 514 | 395 |
| 145° | 624 | 624 | 624 | 624 | 624 | 390 |
| 155° | 713 | 714 | 713 | 714 | 713 | 328 |
| 165° | 776 | 778 | 776 | 778 | 776 | 219 |
| 175° | 806 | 810 | 806 | 810 | 806 | 77 |
| 180° | 812 | 812 | 812 | 812 | 812 | |



TEST NUMBER: P331929-930

CATALOG NUMBER: S123DIP-S560D805U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 |
| 2.5° | 684.0 | 683.5 | 682.2 | 683.2 | 681.2 | 678.5 | 678.2 | 675.7 | 668.5 | 668.0 | 666.0 |
| 5° | 765.6 | 763.1 | 762.9 | 762.5 | 758.1 | 752.2 | 740.9 | 740.0 | 725.0 | 717.5 | 708.5 |
| 7.5° | 871.5 | 872.8 | 868.2 | 864.2 | 850.8 | 842.0 | 830.0 | 814.6 | 796.1 | 777.5 | 765.0 |
| 10° | 947.4 | 957.7 | 944.9 | 936.1 | 928.1 | 912.7 | 895.0 | 872.8 | 850.6 | 824.7 | 805.0 |
| 12.5° | 1028.8 | 1033.9 | 1031.4 | 1023.0 | 1010.5 | 987.2 | 955.6 | 931.2 | 910.8 | 867.6 | 850.2 |
| 15° | 1139.7 | 1158.8 | 1146.6 | 1118.5 | 1119.2 | 1097.0 | 1055.7 | 1010.5 | 986.4 | 948.6 | 897.1 |
| 17.5° | 1257.9 | 1260.3 | 1255.1 | 1231.7 | 1216.0 | 1185.6 | 1147.5 | 1104.2 | 1055.4 | 1009.7 | 955.0 |
| 20° | 1320.9 | 1319.0 | 1308.1 | 1295.8 | 1269.0 | 1245.3 | 1203.7 | 1155.4 | 1092.9 | 1047.9 | 988.3 |
| 22.5° | 1355.8 | 1352.7 | 1347.5 | 1337.3 | 1315.0 | 1289.5 | 1252.2 | 1199.3 | 1139.9 | 1077.9 | 1009.0 |
| 25° | 1352.7 | 1356.7 | 1357.4 | 1354.5 | 1346.8 | 1331.5 | 1302.1 | 1260.0 | 1200.6 | 1121.0 | 1049.2 |
| 27.5° | 1230.3 | 1236.0 | 1252.7 | 1267.5 | 1284.1 | 1300.9 | 1298.7 | 1277.7 | 1233.9 | 1165.1 | 1077.3 |
| 30° | 1107.9 | 1095.4 | 1126.3 | 1165.3 | 1191.9 | 1238.7 | 1264.9 | 1266.5 | 1241.9 | 1182.8 | 1097.2 |
| 32.5° | 938.0 | 951.8 | 965.4 | 1013.4 | 1071.5 | 1124.1 | 1176.2 | 1218.3 | 1223.1 | 1183.8 | 1109.0 |
| 35° | 728.8 | 746.0 | 770.9 | 796.0 | 858.4 | 912.1 | 1003.9 | 1083.9 | 1147.5 | 1155.9 | 1110.0 |
| 37.5° | 587.3 | 595.8 | 611.6 | 636.6 | 677.4 | 741.2 | 812.2 | 913.2 | 1005.5 | 1074.2 | 1077.2 |
| 40° | 513.3 | 515.8 | 533.6 | 552.7 | 585.8 | 638.2 | 702.3 | 791.6 | 902.1 | 998.0 | 1038.0 |
| 42.5° | 457.9 | 463.4 | 470.9 | 489.3 | 515.6 | 555.1 | 614.6 | 688.4 | 789.7 | 900.0 | 978.2 |
| 45° | 393.5 | 399.7 | 404.4 | 416.5 | 435.3 | 461.8 | 503.4 | 570.8 | 647.9 | 761.9 | 867.2 |
| 47.5° | 350.8 | 351.3 | 354.8 | 364.0 | 376.7 | 396.7 | 426.1 | 469.4 | 540.2 | 632.6 | 740.7 |
| 50° | 320.4 | 325.4 | 326.6 | 333.8 | 343.8 | 358.5 | 382.9 | 419.6 | 477.8 | 559.0 | 658.3 |
| 52.5° | 298.9 | 300.4 | 303.9 | 309.1 | 317.8 | 329.2 | 350.3 | 379.2 | 424.8 | 494.0 | 585.3 |
| 55° | 267.3 | 267.3 | 270.8 | 274.8 | 279.8 | 290.1 | 304.1 | 325.4 | 360.0 | 413.8 | 489.3 |
| 57.5° | 238.1 | 239.6 | 242.1 | 243.3 | 247.5 | 254.4 | 266.1 | 282.3 | 308.1 | 349.4 | 409.5 |
| 60° | 218.6 | 221.4 | 221.1 | 223.6 | 227.3 | 232.6 | 242.6 | 255.8 | 278.8 | 311.9 | 362.6 |
| 62.5° | 201.6 | 201.4 | 201.4 | 204.3 | 208.1 | 213.1 | 219.6 | 231.0 | 250.6 | 280.0 | 323.0 |
| 65° | 173.6 | 173.0 | 175.2 | 177.1 | 178.3 | 182.1 | 187.0 | 197.1 | 210.2 | 232.0 | 265.4 |
| 67.5° | 148.8 | 146.9 | 148.1 | 148.8 | 150.9 | 153.8 | 158.5 | 164.7 | 175.1 | 192.7 | 217.8 |
| 70° | 131.8 | 130.2 | 129.9 | 130.5 | 132.4 | 134.6 | 138.0 | 144.0 | 153.6 | 167.7 | 186.1 |
| 72.5° | 114.3 | 113.2 | 113.2 | 114.5 | 115.4 | 116.8 | 119.3 | 124.7 | 132.4 | 142.9 | 160.1 |
| 75° | 89.3 | 89.3 | 89.3 | 89.6 | 90.6 | 91.8 | 93.7 | 96.4 | 102.4 | 109.9 | 121.5 |
| 77.5° | 66.9 | 66.9 | 66.5 | 66.4 | 67.8 | 68.4 | 68.8 | 71.4 | 74.8 | 79.8 | 88.2 |
| 80° | 52.4 | 50.9 | 51.5 | 52.4 | 53.1 | 53.4 | 54.3 | 55.0 | 57.8 | 60.6 | 66.5 |
| 82.5° | 39.0 | 37.7 | 37.7 | 39.2 | 39.4 | 39.6 | 40.6 | 41.5 | 42.6 | 45.1 | 48.3 |
| 85° | 20.6 | 20.6 | 21.0 | 21.0 | 21.2 | 21.0 | 21.9 | 22.2 | 22.2 | 23.7 | 25.6 |
| 87.5° | 11.3 | 10.8 | 10.9 | 11.2 | 10.8 | 11.0 | 11.2 | 11.3 | 11.4 | 11.6 | 11.4 |
| 90° | 19.2 | 18.8 | 18.6 | 18.3 | 18.0 | 17.5 | 17.0 | 16.5 | 15.9 | 15.3 | 13.5 |
| 92.5° | 25.8 | 25.9 | 26.1 | 26.3 | 26.4 | 26.3 | 25.8 | 25.4 | 24.9 | 24.5 | 23.4 |
| 95° | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.4 | 48.8 | 48.3 | 47.8 | 47.2 | 46.1 |
| 97.5° | 76.5 | 76.6 | 76.6 | 76.6 | 76.7 | 76.4 | 75.7 | 75.1 | 74.4 | 73.8 | 73.0 |
| 100° | 96.9 | 96.6 | 96.3 | 96.0 | 95.8 | 95.4 | 95.0 | 94.6 | 94.2 | 93.7 | 93.0 |
| 102.5° | 117.8 | 117.9 | 117.9 | 118.0 | 118.1 | 117.8 | 117.4 | 117.0 | 116.6 | 116.2 | 115.2 |
| 105° | 151.7 | 151.4 | 151.2 | 150.8 | 150.6 | 150.4 | 150.4 | 150.4 | 150.4 | 150.4 | 149.2 |
| 107.5° | 187.0 | 187.2 | 187.4 | 187.5 | 187.7 | 187.6 | 187.1 | 186.6 | 186.2 | 185.7 | 185.2 |
| 110° | 211.0 | 211.2 | 211.6 | 211.8 | 212.1 | 212.0 | 211.4 | 210.8 | 210.3 | 209.7 | 209.5 |



TEST NUMBER: P331929-930

CATALOG NUMBER: S123DIP-S560D805U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 236.5 | 236.5 | 236.6 | 236.7 | 236.7 | 236.4 | 235.7 | 235.1 | 234.4 | 233.7 | 233.7 |
| 115° | 271.6 | 271.7 | 271.8 | 272.0 | 272.1 | 272.1 | 272.0 | 271.8 | 271.7 | 271.6 | 271.8 |
| 117.5° | 307.1 | 307.5 | 307.9 | 308.3 | 308.7 | 308.9 | 308.9 | 309.0 | 309.0 | 309.0 | 309.4 |
| 120° | 332.1 | 332.4 | 332.6 | 333.0 | 333.2 | 333.5 | 333.6 | 333.7 | 333.9 | 334.0 | 334.8 |
| 122.5° | 356.0 | 356.4 | 356.9 | 357.3 | 357.7 | 358.1 | 358.4 | 358.8 | 359.1 | 359.5 | 359.9 |
| 125° | 392.0 | 392.6 | 393.1 | 393.7 | 394.3 | 394.8 | 395.4 | 396.0 | 396.6 | 397.1 | 397.4 |
| 127.5° | 427.9 | 428.5 | 429.2 | 429.8 | 430.5 | 431.2 | 431.9 | 432.8 | 433.6 | 434.3 | 434.6 |
| 130° | 451.3 | 452.3 | 453.3 | 454.3 | 455.3 | 456.1 | 456.6 | 457.2 | 457.7 | 458.3 | 458.8 |
| 132.5° | 475.8 | 476.5 | 477.3 | 478.1 | 478.8 | 479.6 | 480.2 | 480.9 | 481.6 | 482.2 | 482.6 |
| 135° | 513.8 | 514.0 | 514.4 | 514.6 | 514.9 | 515.4 | 515.9 | 516.5 | 517.1 | 517.6 | 517.7 |
| 137.5° | 547.3 | 547.9 | 548.4 | 548.9 | 549.4 | 550.0 | 550.7 | 551.2 | 551.8 | 552.4 | 552.0 |
| 140° | 569.2 | 570.2 | 571.2 | 572.2 | 573.2 | 573.7 | 573.9 | 574.1 | 574.2 | 574.3 | 574.2 |
| 142.5° | 591.7 | 592.4 | 593.2 | 593.9 | 594.8 | 595.2 | 595.3 | 595.5 | 595.6 | 595.7 | 595.5 |
| 145° | 624.0 | 624.6 | 625.2 | 625.7 | 626.3 | 626.6 | 626.8 | 627.0 | 627.1 | 627.2 | 626.8 |
| 147.5° | 652.9 | 653.7 | 654.5 | 655.4 | 656.2 | 656.7 | 656.7 | 656.7 | 656.7 | 656.7 | 656.3 |
| 150° | 671.2 | 672.1 | 672.9 | 673.8 | 674.7 | 675.1 | 675.1 | 675.1 | 675.1 | 675.1 | 674.7 |
| 152.5° | 689.1 | 689.8 | 690.6 | 691.3 | 692.0 | 692.3 | 692.0 | 691.8 | 691.6 | 691.4 | 691.2 |
| 155° | 713.3 | 714.3 | 715.3 | 716.2 | 717.2 | 717.5 | 716.9 | 716.3 | 715.8 | 715.2 | 715.1 |
| 157.5° | 735.3 | 736.1 | 736.9 | 737.8 | 738.5 | 738.6 | 738.0 | 737.4 | 736.9 | 736.2 | 736.1 |
| 160° | 749.6 | 750.2 | 750.7 | 751.3 | 751.9 | 751.8 | 751.1 | 750.4 | 749.7 | 749.0 | 749.0 |
| 162.5° | 760.3 | 761.2 | 762.1 | 763.0 | 763.9 | 764.1 | 763.4 | 762.6 | 761.9 | 761.2 | 761.1 |
| 165° | 775.8 | 776.7 | 777.7 | 778.8 | 779.8 | 779.8 | 778.9 | 778.1 | 777.2 | 776.4 | 776.4 |
| 167.5° | 788.9 | 789.8 | 790.7 | 791.5 | 792.4 | 792.4 | 791.5 | 790.7 | 789.8 | 788.9 | 788.8 |
| 170° | 795.5 | 796.5 | 797.5 | 798.5 | 799.5 | 799.5 | 798.5 | 797.5 | 796.5 | 795.5 | 795.5 |
| 172.5° | 800.6 | 801.6 | 802.6 | 803.6 | 804.6 | 804.6 | 803.8 | 802.9 | 802.0 | 801.1 | 801.1 |
| 175° | 806.3 | 807.3 | 808.4 | 809.3 | 810.3 | 810.4 | 809.5 | 808.7 | 807.9 | 807.0 | 807.0 |
| 177.5° | 809.4 | 810.2 | 811.0 | 811.8 | 812.6 | 812.6 | 812.0 | 811.3 | 810.6 | 809.9 | 809.9 |
| 180° | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 |



TEST NUMBER: P331929-930

CATALOG NUMBER: S123DIP-S560D805U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 |
| 2.5° | 664.5 | 662.5 | 660.5 | 657.0 | 654.0 | 649.7 | 648.5 | 647.0 | 642.5 | 638.5 | 635.5 |
| 5° | 705.1 | 697.6 | 686.6 | 676.6 | 668.5 | 657.6 | 651.3 | 644.8 | 635.4 | 627.0 | 620.1 |
| 7.5° | 747.5 | 732.8 | 715.8 | 697.5 | 680.4 | 663.8 | 650.5 | 638.7 | 625.6 | 613.1 | 603.5 |
| 10° | 781.3 | 760.0 | 736.3 | 710.7 | 688.8 | 667.6 | 649.8 | 634.2 | 617.3 | 602.7 | 590.4 |
| 12.5° | 819.7 | 788.2 | 755.5 | 724.4 | 698.5 | 669.1 | 647.6 | 627.7 | 608.6 | 590.9 | 577.2 |
| 15° | 865.3 | 825.3 | 786.6 | 743.8 | 704.4 | 667.6 | 642.0 | 617.0 | 594.8 | 576.7 | 559.2 |
| 17.5° | 906.7 | 861.4 | 810.4 | 758.4 | 710.9 | 667.2 | 631.4 | 603.2 | 575.4 | 553.3 | 535.8 |
| 20° | 930.2 | 878.6 | 820.9 | 766.9 | 714.4 | 665.7 | 626.4 | 592.6 | 562.7 | 539.2 | 519.6 |
| 22.5° | 950.5 | 890.1 | 830.4 | 772.7 | 714.2 | 661.7 | 617.2 | 582.4 | 549.9 | 527.0 | 506.1 |
| 25° | 971.4 | 899.3 | 839.4 | 771.6 | 706.3 | 652.0 | 602.0 | 562.7 | 530.2 | 503.4 | 481.8 |
| 27.5° | 989.4 | 898.7 | 827.5 | 754.6 | 694.0 | 639.5 | 586.2 | 544.0 | 509.5 | 480.3 | 458.4 |
| 30° | 1001.4 | 899.9 | 815.3 | 743.1 | 682.0 | 625.7 | 573.9 | 531.5 | 495.2 | 465.5 | 445.0 |
| 32.5° | 1008.9 | 899.2 | 804.0 | 727.2 | 663.0 | 613.3 | 560.7 | 516.7 | 479.5 | 450.4 | 430.5 |
| 35° | 1013.3 | 893.6 | 784.7 | 694.1 | 632.3 | 583.9 | 539.9 | 494.3 | 455.3 | 428.1 | 405.6 |
| 37.5° | 1004.5 | 882.2 | 762.2 | 662.3 | 594.6 | 547.0 | 509.9 | 471.1 | 433.7 | 403.8 | 384.4 |
| 40° | 990.8 | 874.7 | 744.7 | 639.8 | 568.6 | 522.7 | 491.2 | 453.1 | 416.2 | 387.8 | 369.7 |
| 42.5° | 964.6 | 859.4 | 725.5 | 614.8 | 541.6 | 495.7 | 466.7 | 434.9 | 400.0 | 373.3 | 355.2 |
| 45° | 900.6 | 826.2 | 696.7 | 577.4 | 501.8 | 454.4 | 428.8 | 405.6 | 374.1 | 348.1 | 332.6 |
| 47.5° | 811.7 | 776.3 | 654.9 | 537.9 | 460.2 | 414.6 | 387.9 | 369.3 | 346.3 | 325.4 | 310.4 |
| 50° | 750.1 | 735.4 | 626.7 | 510.9 | 432.4 | 387.8 | 362.2 | 345.4 | 328.8 | 307.9 | 294.2 |
| 52.5° | 678.8 | 687.9 | 593.7 | 482.9 | 404.2 | 360.4 | 336.2 | 322.9 | 307.9 | 290.7 | 278.7 |
| 55° | 578.6 | 611.4 | 536.8 | 435.9 | 362.2 | 320.4 | 297.6 | 285.7 | 277.0 | 264.2 | 253.9 |
| 57.5° | 484.8 | 526.4 | 475.2 | 387.5 | 320.9 | 284.9 | 263.0 | 250.1 | 244.4 | 237.7 | 229.7 |
| 60° | 429.0 | 470.3 | 431.2 | 355.1 | 293.2 | 258.9 | 239.5 | 228.6 | 223.0 | 218.3 | 211.4 |
| 62.5° | 379.4 | 421.0 | 388.2 | 322.0 | 266.0 | 234.2 | 217.3 | 206.6 | 202.2 | 199.7 | 193.9 |
| 65° | 311.0 | 346.9 | 325.1 | 270.8 | 227.0 | 198.9 | 183.6 | 176.1 | 172.0 | 171.1 | 167.4 |
| 67.5° | 253.2 | 280.5 | 264.6 | 224.5 | 190.1 | 165.8 | 152.9 | 146.5 | 143.4 | 143.1 | 140.2 |
| 70° | 215.2 | 240.8 | 228.6 | 192.3 | 162.7 | 143.7 | 132.4 | 126.8 | 124.9 | 124.6 | 123.0 |
| 72.5° | 185.6 | 203.5 | 193.9 | 163.6 | 140.7 | 123.4 | 115.1 | 109.3 | 107.1 | 107.6 | 106.6 |
| 75° | 137.4 | 150.8 | 145.2 | 124.3 | 105.8 | 94.6 | 87.7 | 84.0 | 82.1 | 83.1 | 81.8 |
| 77.5° | 98.9 | 107.4 | 102.3 | 87.8 | 76.5 | 68.3 | 63.3 | 61.0 | 59.3 | 59.2 | 58.6 |
| 80° | 74.6 | 79.7 | 76.8 | 68.1 | 58.7 | 51.9 | 47.8 | 46.2 | 45.2 | 45.0 | 44.7 |
| 82.5° | 53.2 | 57.4 | 54.1 | 48.1 | 41.7 | 37.6 | 35.3 | 33.3 | 32.5 | 32.7 | 32.4 |
| 85° | 26.8 | 28.5 | 27.1 | 23.4 | 21.0 | 19.1 | 17.8 | 16.9 | 16.2 | 16.6 | 15.9 |
| 87.5° | 11.6 | 11.4 | 10.4 | 9.0 | 8.2 | 7.2 | 6.9 | 6.1 | 5.9 | 6.2 | 6.2 |
| 90° | 11.6 | 9.8 | 7.9 | 6.3 | 4.9 | 3.5 | 2.0 | 0.7 | 2.0 | 3.5 | 4.9 |
| 92.5° | 22.4 | 21.4 | 20.3 | 19.2 | 18.3 | 17.4 | 16.4 | 15.4 | 16.4 | 17.4 | 18.3 |
| 95° | 44.9 | 43.8 | 42.6 | 41.6 | 40.6 | 39.6 | 38.6 | 37.6 | 38.6 | 39.6 | 40.6 |
| 97.5° | 72.2 | 71.3 | 70.5 | 69.8 | 69.0 | 68.2 | 67.5 | 66.8 | 67.5 | 68.2 | 69.0 |
| 100° | 92.3 | 91.6 | 90.9 | 90.1 | 89.3 | 88.4 | 87.6 | 86.7 | 87.6 | 88.4 | 89.3 |
| 102.5° | 114.3 | 113.3 | 112.4 | 111.7 | 111.2 | 110.6 | 110.1 | 109.7 | 110.1 | 110.6 | 111.2 |
| 105° | 147.9 | 146.6 | 145.4 | 144.6 | 144.3 | 144.0 | 143.7 | 143.4 | 143.7 | 144.0 | 144.3 |
| 107.5° | 184.7 | 184.3 | 183.7 | 183.4 | 183.2 | 183.0 | 182.9 | 182.7 | 182.9 | 183.0 | 183.2 |
| 110° | 209.1 | 208.9 | 208.6 | 208.3 | 208.0 | 207.7 | 207.4 | 207.2 | 207.4 | 207.7 | 208.0 |



TEST NUMBER: P331929-930

CATALOG NUMBER: S123DIP-S560D805U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 233.6 | 233.5 | 233.4 | 233.3 | 233.2 | 233.0 | 232.8 | 232.7 | 232.8 | 233.0 | 233.2 |
| 115° | 272.1 | 272.4 | 272.7 | 272.6 | 272.1 | 271.7 | 271.3 | 270.9 | 271.3 | 271.7 | 272.1 |
| 117.5° | 309.7 | 310.1 | 310.5 | 310.5 | 310.2 | 310.0 | 309.7 | 309.4 | 309.7 | 310.0 | 310.2 |
| 120° | 335.4 | 336.1 | 336.9 | 336.8 | 335.9 | 335.1 | 334.2 | 333.4 | 334.2 | 335.1 | 335.9 |
| 122.5° | 360.3 | 360.6 | 361.0 | 360.9 | 360.2 | 359.6 | 359.0 | 358.4 | 359.0 | 359.6 | 360.2 |
| 125° | 397.7 | 397.9 | 398.3 | 398.2 | 397.8 | 397.3 | 396.9 | 396.5 | 396.9 | 397.3 | 397.8 |
| 127.5° | 435.0 | 435.3 | 435.6 | 435.3 | 434.4 | 433.5 | 432.6 | 431.7 | 432.6 | 433.5 | 434.4 |
| 130° | 459.2 | 459.6 | 460.0 | 459.7 | 458.5 | 457.4 | 456.2 | 455.1 | 456.2 | 457.4 | 458.5 |
| 132.5° | 482.9 | 483.2 | 483.6 | 483.1 | 482.0 | 480.9 | 479.7 | 478.6 | 479.7 | 480.9 | 482.0 |
| 135° | 517.9 | 518.0 | 518.2 | 517.8 | 517.0 | 516.1 | 515.3 | 514.4 | 515.3 | 516.1 | 517.0 |
| 137.5° | 551.6 | 551.3 | 550.9 | 550.4 | 549.7 | 548.9 | 548.3 | 547.6 | 548.3 | 548.9 | 549.7 |
| 140° | 574.1 | 573.9 | 573.7 | 573.3 | 572.7 | 571.9 | 571.2 | 570.5 | 571.2 | 571.9 | 572.7 |
| 142.5° | 595.3 | 595.0 | 594.8 | 594.3 | 593.5 | 592.8 | 592.2 | 591.4 | 592.2 | 592.8 | 593.5 |
| 145° | 626.4 | 626.0 | 625.5 | 625.2 | 624.9 | 624.6 | 624.4 | 624.0 | 624.4 | 624.6 | 624.9 |
| 147.5° | 655.9 | 655.5 | 655.1 | 654.7 | 654.1 | 653.6 | 653.1 | 652.6 | 653.1 | 653.6 | 654.1 |
| 150° | 674.5 | 674.2 | 673.9 | 673.6 | 673.4 | 673.0 | 672.8 | 672.5 | 672.8 | 673.0 | 673.4 |
| 152.5° | 691.0 | 690.9 | 690.7 | 690.4 | 690.0 | 689.6 | 689.2 | 688.8 | 689.2 | 689.6 | 690.0 |
| 155° | 714.9 | 714.8 | 714.6 | 714.5 | 714.5 | 714.5 | 714.5 | 714.5 | 714.5 | 714.5 | 714.5 |
| 157.5° | 736.1 | 735.9 | 735.8 | 735.8 | 736.0 | 736.1 | 736.3 | 736.5 | 736.3 | 736.1 | 736.0 |
| 160° | 749.0 | 749.0 | 749.0 | 749.1 | 749.4 | 749.7 | 750.0 | 750.2 | 750.0 | 749.7 | 749.4 |
| 162.5° | 761.0 | 760.9 | 760.8 | 760.9 | 761.3 | 761.7 | 762.1 | 762.5 | 762.1 | 761.7 | 761.3 |
| 165° | 776.4 | 776.4 | 776.4 | 776.6 | 777.1 | 777.5 | 777.9 | 778.3 | 777.9 | 777.5 | 777.1 |
| 167.5° | 788.6 | 788.6 | 788.5 | 788.6 | 789.2 | 789.8 | 790.4 | 790.9 | 790.4 | 789.8 | 789.2 |
| 170° | 795.5 | 795.5 | 795.5 | 795.8 | 796.4 | 797.0 | 797.5 | 798.1 | 797.5 | 797.0 | 796.4 |
| 172.5° | 801.1 | 801.1 | 801.1 | 801.4 | 802.0 | 802.6 | 803.2 | 803.6 | 803.2 | 802.6 | 802.0 |
| 175° | 807.0 | 807.0 | 807.0 | 807.3 | 807.9 | 808.5 | 808.9 | 809.5 | 808.9 | 808.5 | 807.9 |
| 177.5° | 809.9 | 809.9 | 809.9 | 810.2 | 810.6 | 811.1 | 811.5 | 812.0 | 811.5 | 811.1 | 810.6 |
| 180° | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 |



TEST NUMBER: P331929-930

CATALOG NUMBER: S123DIP-S560D805U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 |
| 2.5° | 633.7 | 632.0 | 629.5 | 625.7 | 622.7 | 618.0 | 618.0 | 618.7 | 618.7 | 618.5 | 618.0 |
| 5° | 614.5 | 609.8 | 604.2 | 597.7 | 590.8 | 583.9 | 582.7 | 580.2 | 578.3 | 577.1 | 575.5 |
| 7.5° | 594.2 | 586.0 | 577.7 | 568.6 | 560.2 | 553.3 | 548.5 | 544.5 | 541.8 | 539.2 | 537.1 |
| 10° | 580.5 | 570.1 | 560.5 | 550.8 | 540.2 | 531.7 | 526.4 | 522.7 | 519.9 | 517.4 | 516.2 |
| 12.5° | 564.3 | 552.4 | 541.8 | 532.6 | 521.0 | 512.3 | 507.2 | 505.5 | 502.1 | 496.9 | 494.2 |
| 15° | 540.5 | 529.6 | 516.8 | 502.7 | 497.1 | 486.5 | 480.5 | 477.8 | 475.9 | 471.8 | 470.6 |
| 17.5° | 520.2 | 505.9 | 491.5 | 481.0 | 470.6 | 462.0 | 458.7 | 455.2 | 452.7 | 449.4 | 448.4 |
| 20° | 504.0 | 491.2 | 478.1 | 466.8 | 455.9 | 446.5 | 443.7 | 441.2 | 438.7 | 437.2 | 435.9 |
| 22.5° | 487.5 | 474.7 | 463.8 | 453.3 | 441.6 | 435.5 | 432.4 | 429.7 | 428.0 | 426.9 | 425.7 |
| 25° | 464.3 | 453.1 | 440.9 | 431.5 | 422.2 | 418.1 | 416.2 | 414.7 | 413.4 | 411.9 | 411.6 |
| 27.5° | 443.6 | 431.4 | 421.5 | 412.7 | 406.0 | 402.6 | 400.8 | 400.1 | 400.3 | 400.9 | 401.2 |
| 30° | 428.1 | 416.9 | 408.7 | 401.2 | 395.0 | 391.9 | 391.6 | 391.6 | 392.8 | 393.1 | 393.8 |
| 32.5° | 413.8 | 404.6 | 396.5 | 389.2 | 384.5 | 382.4 | 383.6 | 383.6 | 384.6 | 385.4 | 386.5 |
| 35° | 393.1 | 385.0 | 378.8 | 372.5 | 368.4 | 369.4 | 370.0 | 370.6 | 372.2 | 374.1 | 375.4 |
| 37.5° | 373.3 | 366.3 | 359.8 | 354.9 | 353.0 | 354.7 | 356.2 | 357.5 | 359.4 | 360.8 | 362.0 |
| 40° | 359.1 | 353.8 | 347.6 | 343.2 | 343.8 | 344.7 | 346.0 | 347.6 | 349.1 | 350.0 | 351.3 |
| 42.5° | 345.8 | 340.3 | 335.6 | 331.9 | 332.8 | 334.0 | 334.8 | 335.6 | 337.4 | 339.1 | 339.8 |
| 45° | 325.7 | 321.3 | 316.9 | 314.8 | 315.4 | 316.0 | 316.7 | 317.6 | 319.1 | 320.4 | 320.7 |
| 47.5° | 303.0 | 299.9 | 297.0 | 294.9 | 295.9 | 295.6 | 296.4 | 298.5 | 299.0 | 299.7 | 301.4 |
| 50° | 288.5 | 285.7 | 282.3 | 281.7 | 281.7 | 281.7 | 281.9 | 284.5 | 284.5 | 285.7 | 287.0 |
| 52.5° | 272.6 | 270.8 | 268.6 | 267.4 | 266.9 | 266.9 | 268.2 | 269.5 | 269.9 | 271.7 | 273.0 |
| 55° | 248.8 | 247.0 | 245.2 | 244.2 | 243.5 | 244.2 | 246.7 | 247.3 | 248.8 | 249.8 | 250.7 |
| 57.5° | 224.2 | 222.7 | 221.3 | 220.8 | 220.6 | 221.4 | 222.8 | 224.7 | 225.1 | 228.0 | 229.3 |
| 60° | 208.0 | 205.8 | 204.6 | 204.6 | 203.9 | 206.7 | 206.1 | 209.2 | 209.9 | 211.7 | 213.9 |
| 62.5° | 191.2 | 188.3 | 187.8 | 187.8 | 188.7 | 189.5 | 190.4 | 191.8 | 193.4 | 195.8 | 197.4 |
| 65° | 164.3 | 162.7 | 164.9 | 164.5 | 164.0 | 165.8 | 165.8 | 167.4 | 169.3 | 171.5 | 174.9 |
| 67.5° | 138.7 | 137.9 | 138.1 | 138.1 | 139.0 | 140.1 | 141.0 | 142.4 | 144.6 | 146.9 | 149.1 |
| 70° | 121.5 | 122.4 | 120.8 | 122.1 | 123.0 | 123.4 | 123.9 | 125.8 | 128.3 | 129.9 | 132.4 |
| 72.5° | 104.8 | 104.7 | 104.8 | 105.3 | 106.3 | 106.9 | 107.5 | 109.6 | 112.3 | 113.7 | 115.7 |
| 75° | 80.6 | 80.2 | 81.2 | 81.2 | 82.8 | 83.4 | 84.0 | 85.0 | 87.4 | 89.3 | 90.9 |
| 77.5° | 58.9 | 59.2 | 59.0 | 60.1 | 59.7 | 59.8 | 61.7 | 62.6 | 62.9 | 66.6 | 67.4 |
| 80° | 44.4 | 45.0 | 45.2 | 45.6 | 45.9 | 45.2 | 47.5 | 48.4 | 48.4 | 50.5 | 52.2 |
| 82.5° | 31.9 | 32.2 | 33.0 | 33.3 | 33.4 | 34.0 | 34.2 | 34.9 | 35.6 | 36.6 | 38.6 |
| 85° | 15.9 | 16.9 | 17.2 | 16.9 | 17.2 | 16.6 | 17.4 | 17.8 | 18.1 | 18.1 | 18.1 |
| 87.5° | 6.3 | 6.8 | 6.9 | 7.6 | 7.7 | 8.3 | 8.4 | 8.1 | 8.2 | 9.0 | 8.1 |
| 90° | 6.3 | 7.9 | 9.8 | 11.6 | 13.5 | 15.3 | 15.9 | 16.5 | 17.0 | 17.5 | 18.0 |
| 92.5° | 19.2 | 20.3 | 21.4 | 22.4 | 23.4 | 24.5 | 24.9 | 25.4 | 25.8 | 26.3 | 26.4 |
| 95° | 41.6 | 42.6 | 43.8 | 44.9 | 46.1 | 47.2 | 47.8 | 48.3 | 48.8 | 49.4 | 49.7 |
| 97.5° | 69.8 | 70.5 | 71.3 | 72.2 | 73.0 | 73.8 | 74.4 | 75.1 | 75.7 | 76.4 | 76.7 |
| 100° | 90.1 | 90.9 | 91.6 | 92.3 | 93.0 | 93.7 | 94.2 | 94.6 | 95.0 | 95.4 | 95.8 |
| 102.5° | 111.7 | 112.4 | 113.3 | 114.3 | 115.2 | 116.2 | 116.6 | 117.0 | 117.4 | 117.8 | 118.1 |
| 105° | 144.6 | 145.4 | 146.6 | 147.9 | 149.2 | 150.4 | 150.4 | 150.4 | 150.4 | 150.4 | 150.6 |
| 107.5° | 183.4 | 183.7 | 184.3 | 184.7 | 185.2 | 185.7 | 186.2 | 186.6 | 187.1 | 187.6 | 187.7 |
| 110° | 208.3 | 208.6 | 208.9 | 209.1 | 209.5 | 209.7 | 210.3 | 210.8 | 211.4 | 212.0 | 212.1 |



TEST NUMBER: P331929-930

CATALOG NUMBER: S123DIP-S560D805U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 233.3 | 233.4 | 233.5 | 233.6 | 233.7 | 233.7 | 234.4 | 235.1 | 235.7 | 236.4 | 236.7 |
| 115° | 272.6 | 272.7 | 272.4 | 272.1 | 271.8 | 271.6 | 271.7 | 271.8 | 272.0 | 272.1 | 272.1 |
| 117.5° | 310.5 | 310.5 | 310.1 | 309.7 | 309.4 | 309.0 | 309.0 | 309.0 | 308.9 | 308.9 | 308.7 |
| 120° | 336.8 | 336.9 | 336.1 | 335.4 | 334.8 | 334.0 | 333.9 | 333.7 | 333.6 | 333.5 | 333.2 |
| 122.5° | 360.9 | 361.0 | 360.6 | 360.3 | 359.9 | 359.5 | 359.1 | 358.8 | 358.4 | 358.1 | 357.7 |
| 125° | 398.2 | 398.3 | 397.9 | 397.7 | 397.4 | 397.1 | 396.6 | 396.0 | 395.4 | 394.8 | 394.3 |
| 127.5° | 435.3 | 435.6 | 435.3 | 435.0 | 434.6 | 434.3 | 433.6 | 432.8 | 431.9 | 431.2 | 430.5 |
| 130° | 459.7 | 460.0 | 459.6 | 459.2 | 458.8 | 458.3 | 457.7 | 457.2 | 456.6 | 456.1 | 455.3 |
| 132.5° | 483.1 | 483.6 | 483.2 | 482.9 | 482.6 | 482.2 | 481.6 | 480.9 | 480.2 | 479.6 | 478.8 |
| 135° | 517.8 | 518.2 | 518.0 | 517.9 | 517.7 | 517.6 | 517.1 | 516.5 | 515.9 | 515.4 | 514.9 |
| 137.5° | 550.4 | 550.9 | 551.3 | 551.6 | 552.0 | 552.4 | 551.8 | 551.2 | 550.7 | 550.0 | 549.4 |
| 140° | 573.3 | 573.7 | 573.9 | 574.1 | 574.2 | 574.3 | 574.2 | 574.1 | 573.9 | 573.7 | 573.2 |
| 142.5° | 594.3 | 594.8 | 595.0 | 595.3 | 595.5 | 595.7 | 595.6 | 595.5 | 595.3 | 595.2 | 594.8 |
| 145° | 625.2 | 625.5 | 626.0 | 626.4 | 626.8 | 627.2 | 627.1 | 627.0 | 626.8 | 626.6 | 626.3 |
| 147.5° | 654.7 | 655.1 | 655.5 | 655.9 | 656.3 | 656.7 | 656.7 | 656.7 | 656.7 | 656.7 | 656.2 |
| 150° | 673.6 | 673.9 | 674.2 | 674.5 | 674.7 | 675.1 | 675.1 | 675.1 | 675.1 | 675.1 | 674.7 |
| 152.5° | 690.4 | 690.7 | 690.9 | 691.0 | 691.2 | 691.4 | 691.6 | 691.8 | 692.0 | 692.3 | 692.0 |
| 155° | 714.5 | 714.6 | 714.8 | 714.9 | 715.1 | 715.2 | 715.8 | 716.3 | 716.9 | 717.5 | 717.2 |
| 157.5° | 735.8 | 735.8 | 735.9 | 736.1 | 736.1 | 736.2 | 736.9 | 737.4 | 738.0 | 738.6 | 738.5 |
| 160° | 749.1 | 749.0 | 749.0 | 749.0 | 749.0 | 749.0 | 749.7 | 750.4 | 751.1 | 751.8 | 751.9 |
| 162.5° | 760.9 | 760.8 | 760.9 | 761.0 | 761.1 | 761.2 | 761.9 | 762.6 | 763.4 | 764.1 | 763.9 |
| 165° | 776.6 | 776.4 | 776.4 | 776.4 | 776.4 | 776.4 | 777.2 | 778.1 | 778.9 | 779.8 | 779.8 |
| 167.5° | 788.6 | 788.5 | 788.6 | 788.6 | 788.8 | 788.9 | 789.8 | 790.7 | 791.5 | 792.4 | 792.4 |
| 170° | 795.8 | 795.5 | 795.5 | 795.5 | 795.5 | 795.5 | 796.5 | 797.5 | 798.5 | 799.5 | 799.5 |
| 172.5° | 801.4 | 801.1 | 801.1 | 801.1 | 801.1 | 801.1 | 802.0 | 802.9 | 803.8 | 804.6 | 804.6 |
| 175° | 807.3 | 807.0 | 807.0 | 807.0 | 807.0 | 807.0 | 807.9 | 808.7 | 809.5 | 810.4 | 810.3 |
| 177.5° | 810.2 | 809.9 | 809.9 | 809.9 | 809.9 | 809.9 | 810.6 | 811.3 | 812.0 | 812.6 | 812.6 |
| 180° | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 |



TEST NUMBER: P331929-930

CATALOG NUMBER: S123DIP-S560D805U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 |
| 2.5° | 616.3 | 616.0 | 617.8 | 616.5 | 617.8 | 616.0 | 616.3 | 618.0 | 618.5 | 618.7 | 618.7 |
| 5° | 573.6 | 574.5 | 571.4 | 571.4 | 571.4 | 574.5 | 573.6 | 575.5 | 577.1 | 578.3 | 580.2 |
| 7.5° | 535.7 | 534.3 | 534.4 | 532.7 | 534.4 | 534.3 | 535.7 | 537.1 | 539.2 | 541.8 | 544.5 |
| 10° | 512.4 | 510.5 | 509.9 | 510.2 | 509.9 | 510.5 | 512.4 | 516.2 | 517.4 | 519.9 | 522.7 |
| 12.5° | 493.2 | 492.8 | 488.7 | 488.8 | 488.7 | 492.8 | 493.2 | 494.2 | 496.9 | 502.1 | 505.5 |
| 15° | 470.6 | 464.6 | 464.0 | 465.9 | 464.0 | 464.6 | 470.6 | 470.6 | 471.8 | 475.9 | 477.8 |
| 17.5° | 447.9 | 444.7 | 445.0 | 444.0 | 445.0 | 444.7 | 447.9 | 448.4 | 449.4 | 452.7 | 455.2 |
| 20° | 435.9 | 434.1 | 433.7 | 431.5 | 433.7 | 434.1 | 435.9 | 435.9 | 437.2 | 438.7 | 441.2 |
| 22.5° | 424.9 | 424.3 | 424.4 | 422.1 | 424.4 | 424.3 | 424.9 | 425.7 | 426.9 | 428.0 | 429.7 |
| 25° | 411.2 | 412.8 | 411.6 | 411.6 | 411.6 | 412.8 | 411.2 | 411.6 | 411.9 | 413.4 | 414.7 |
| 27.5° | 402.0 | 401.9 | 401.3 | 401.3 | 401.3 | 401.9 | 402.0 | 401.2 | 400.9 | 400.3 | 400.1 |
| 30° | 395.0 | 394.7 | 395.3 | 395.3 | 395.3 | 394.7 | 395.0 | 393.8 | 393.1 | 392.8 | 391.6 |
| 32.5° | 388.0 | 388.4 | 388.6 | 388.8 | 388.6 | 388.4 | 388.0 | 386.5 | 385.4 | 384.6 | 383.6 |
| 35° | 377.2 | 377.5 | 378.5 | 377.8 | 378.5 | 377.5 | 377.2 | 375.4 | 374.1 | 372.2 | 370.6 |
| 37.5° | 362.6 | 364.0 | 363.7 | 364.2 | 363.7 | 364.0 | 362.6 | 362.0 | 360.8 | 359.4 | 357.5 |
| 40° | 351.6 | 352.5 | 352.2 | 352.2 | 352.2 | 352.5 | 351.6 | 351.3 | 350.0 | 349.1 | 347.6 |
| 42.5° | 340.4 | 341.0 | 340.2 | 339.7 | 340.2 | 341.0 | 340.4 | 339.8 | 339.1 | 337.4 | 335.6 |
| 45° | 322.0 | 321.3 | 322.3 | 321.0 | 322.3 | 321.3 | 322.0 | 320.7 | 320.4 | 319.1 | 317.6 |
| 47.5° | 301.3 | 302.0 | 302.2 | 303.1 | 302.2 | 302.0 | 301.3 | 301.4 | 299.7 | 299.0 | 298.5 |
| 50° | 287.6 | 289.4 | 289.4 | 289.2 | 289.4 | 289.4 | 287.6 | 287.0 | 285.7 | 284.5 | 284.5 |
| 52.5° | 274.1 | 275.0 | 276.2 | 276.1 | 276.2 | 275.0 | 274.1 | 273.0 | 271.7 | 269.9 | 269.5 |
| 55° | 253.2 | 253.9 | 254.5 | 254.8 | 254.5 | 253.9 | 253.2 | 250.7 | 249.8 | 248.8 | 247.3 |
| 57.5° | 231.6 | 231.4 | 232.8 | 233.3 | 232.8 | 231.4 | 231.6 | 229.3 | 228.0 | 225.1 | 224.7 |
| 60° | 216.4 | 216.4 | 218.9 | 219.8 | 218.9 | 216.4 | 216.4 | 213.9 | 211.7 | 209.9 | 209.2 |
| 62.5° | 200.2 | 201.1 | 203.7 | 202.4 | 203.7 | 201.1 | 200.2 | 197.4 | 195.8 | 193.4 | 191.8 |
| 65° | 176.4 | 179.0 | 178.6 | 179.9 | 178.6 | 179.0 | 176.4 | 174.9 | 171.5 | 169.3 | 167.4 |
| 67.5° | 151.6 | 153.2 | 155.5 | 155.6 | 155.5 | 153.2 | 151.6 | 149.1 | 146.9 | 144.6 | 142.4 |
| 70° | 134.9 | 136.5 | 137.7 | 138.6 | 137.7 | 136.5 | 134.9 | 132.4 | 129.9 | 128.3 | 125.8 |
| 72.5° | 118.6 | 119.4 | 122.5 | 121.2 | 122.5 | 119.4 | 118.6 | 115.7 | 113.7 | 112.3 | 109.6 |
| 75° | 93.0 | 95.2 | 97.1 | 96.2 | 97.1 | 95.2 | 93.0 | 90.9 | 89.3 | 87.4 | 85.0 |
| 77.5° | 68.8 | 71.0 | 71.9 | 71.1 | 71.9 | 71.0 | 68.8 | 67.4 | 66.6 | 62.9 | 62.6 |
| 80° | 54.3 | 54.1 | 55.9 | 55.6 | 55.9 | 54.1 | 54.3 | 52.2 | 50.5 | 48.4 | 48.4 |
| 82.5° | 39.9 | 39.5 | 40.4 | 40.6 | 40.4 | 39.5 | 39.9 | 38.6 | 36.6 | 35.6 | 34.9 |
| 85° | 19.3 | 20.3 | 19.1 | 18.8 | 19.1 | 20.3 | 19.3 | 18.1 | 18.1 | 18.1 | 17.8 |
| 87.5° | 8.2 | 8.2 | 8.0 | 7.8 | 8.0 | 8.2 | 8.2 | 8.1 | 9.0 | 8.2 | 8.1 |
| 90° | 18.3 | 18.6 | 18.8 | 19.2 | 18.8 | 18.6 | 18.3 | 18.0 | 17.5 | 17.0 | 16.5 |
| 92.5° | 26.3 | 26.1 | 25.9 | 25.8 | 25.9 | 26.1 | 26.3 | 26.4 | 26.3 | 25.8 | 25.4 |
| 95° | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.4 | 48.8 | 48.3 |
| 97.5° | 76.6 | 76.6 | 76.6 | 76.5 | 76.6 | 76.6 | 76.6 | 76.7 | 76.4 | 75.7 | 75.1 |
| 100° | 96.0 | 96.3 | 96.6 | 96.9 | 96.6 | 96.3 | 96.0 | 95.8 | 95.4 | 95.0 | 94.6 |
| 102.5° | 118.0 | 117.9 | 117.9 | 117.8 | 117.9 | 117.9 | 118.0 | 118.1 | 117.8 | 117.4 | 117.0 |
| 105° | 150.8 | 151.2 | 151.4 | 151.7 | 151.4 | 151.2 | 150.8 | 150.6 | 150.4 | 150.4 | 150.4 |
| 107.5° | 187.5 | 187.4 | 187.2 | 187.0 | 187.2 | 187.4 | 187.5 | 187.7 | 187.6 | 187.1 | 186.6 |
| 110° | 211.8 | 211.6 | 211.2 | 211.0 | 211.2 | 211.6 | 211.8 | 212.1 | 212.0 | 211.4 | 210.8 |



TEST NUMBER: P331929-930

CATALOG NUMBER: S123DIP-S560D805U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 236.7 | 236.6 | 236.5 | 236.5 | 236.5 | 236.6 | 236.7 | 236.7 | 236.4 | 235.7 | 235.1 |
| 115° | 272.0 | 271.8 | 271.7 | 271.6 | 271.7 | 271.8 | 272.0 | 272.1 | 272.1 | 272.0 | 271.8 |
| 117.5° | 308.3 | 307.9 | 307.5 | 307.1 | 307.5 | 307.9 | 308.3 | 308.7 | 308.9 | 308.9 | 309.0 |
| 120° | 333.0 | 332.6 | 332.4 | 332.1 | 332.4 | 332.6 | 333.0 | 333.2 | 333.5 | 333.6 | 333.7 |
| 122.5° | 357.3 | 356.9 | 356.4 | 356.0 | 356.4 | 356.9 | 357.3 | 357.7 | 358.1 | 358.4 | 358.8 |
| 125° | 393.7 | 393.1 | 392.6 | 392.0 | 392.6 | 393.1 | 393.7 | 394.3 | 394.8 | 395.4 | 396.0 |
| 127.5° | 429.8 | 429.2 | 428.5 | 427.9 | 428.5 | 429.2 | 429.8 | 430.5 | 431.2 | 431.9 | 432.8 |
| 130° | 454.3 | 453.3 | 452.3 | 451.3 | 452.3 | 453.3 | 454.3 | 455.3 | 456.1 | 456.6 | 457.2 |
| 132.5° | 478.1 | 477.3 | 476.5 | 475.8 | 476.5 | 477.3 | 478.1 | 478.8 | 479.6 | 480.2 | 480.9 |
| 135° | 514.6 | 514.4 | 514.0 | 513.8 | 514.0 | 514.4 | 514.6 | 514.9 | 515.4 | 515.9 | 516.5 |
| 137.5° | 548.9 | 548.4 | 547.9 | 547.3 | 547.9 | 548.4 | 548.9 | 549.4 | 550.0 | 550.7 | 551.2 |
| 140° | 572.2 | 571.2 | 570.2 | 569.2 | 570.2 | 571.2 | 572.2 | 573.2 | 573.7 | 573.9 | 574.1 |
| 142.5° | 593.9 | 593.2 | 592.4 | 591.7 | 592.4 | 593.2 | 593.9 | 594.8 | 595.2 | 595.3 | 595.5 |
| 145° | 625.7 | 625.2 | 624.6 | 624.0 | 624.6 | 625.2 | 625.7 | 626.3 | 626.6 | 626.8 | 627.0 |
| 147.5° | 655.4 | 654.5 | 653.7 | 652.9 | 653.7 | 654.5 | 655.4 | 656.2 | 656.7 | 656.7 | 656.7 |
| 150° | 673.8 | 672.9 | 672.1 | 671.2 | 672.1 | 672.9 | 673.8 | 674.7 | 675.1 | 675.1 | 675.1 |
| 152.5° | 691.3 | 690.6 | 689.8 | 689.1 | 689.8 | 690.6 | 691.3 | 692.0 | 692.3 | 692.0 | 691.8 |
| 155° | 716.2 | 715.3 | 714.3 | 713.3 | 714.3 | 715.3 | 716.2 | 717.2 | 717.5 | 716.9 | 716.3 |
| 157.5° | 737.8 | 736.9 | 736.1 | 735.3 | 736.1 | 736.9 | 737.8 | 738.5 | 738.6 | 738.0 | 737.4 |
| 160° | 751.3 | 750.7 | 750.2 | 749.6 | 750.2 | 750.7 | 751.3 | 751.9 | 751.8 | 751.1 | 750.4 |
| 162.5° | 763.0 | 762.1 | 761.2 | 760.3 | 761.2 | 762.1 | 763.0 | 763.9 | 764.1 | 763.4 | 762.6 |
| 165° | 778.8 | 777.7 | 776.7 | 775.8 | 776.7 | 777.7 | 778.8 | 779.8 | 779.8 | 778.9 | 778.1 |
| 167.5° | 791.5 | 790.7 | 789.8 | 788.9 | 789.8 | 790.7 | 791.5 | 792.4 | 792.4 | 791.5 | 790.7 |
| 170° | 798.5 | 797.5 | 796.5 | 795.5 | 796.5 | 797.5 | 798.5 | 799.5 | 799.5 | 798.5 | 797.5 |
| 172.5° | 803.6 | 802.6 | 801.6 | 800.6 | 801.6 | 802.6 | 803.6 | 804.6 | 804.6 | 803.8 | 802.9 |
| 175° | 809.3 | 808.4 | 807.3 | 806.3 | 807.3 | 808.4 | 809.3 | 810.3 | 810.4 | 809.5 | 808.7 |
| 177.5° | 811.8 | 811.0 | 810.2 | 809.4 | 810.2 | 811.0 | 811.8 | 812.6 | 812.6 | 812.0 | 811.3 |
| 180° | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 |



TEST NUMBER: P331929-930

CATALOG NUMBER: S123DIP-S560D805U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 |
| 2.5° | 618.0 | 618.0 | 622.7 | 625.7 | 629.5 | 632.0 | 633.7 | 635.5 | 638.5 | 642.5 | 647.0 |
| 5° | 582.7 | 583.9 | 590.8 | 597.7 | 604.2 | 609.8 | 614.5 | 620.1 | 627.0 | 635.4 | 644.8 |
| 7.5° | 548.5 | 553.3 | 560.2 | 568.6 | 577.7 | 586.0 | 594.2 | 603.5 | 613.1 | 625.6 | 638.7 |
| 10° | 526.4 | 531.7 | 540.2 | 550.8 | 560.5 | 570.1 | 580.5 | 590.4 | 602.7 | 617.3 | 634.2 |
| 12.5° | 507.2 | 512.3 | 521.0 | 532.6 | 541.8 | 552.4 | 564.3 | 577.2 | 590.9 | 608.6 | 627.7 |
| 15° | 480.5 | 486.5 | 497.1 | 502.7 | 516.8 | 529.6 | 540.5 | 559.2 | 576.7 | 594.8 | 617.0 |
| 17.5° | 458.7 | 462.0 | 470.6 | 481.0 | 491.5 | 505.9 | 520.2 | 535.8 | 553.3 | 575.4 | 603.2 |
| 20° | 443.7 | 446.5 | 455.9 | 466.8 | 478.1 | 491.2 | 504.0 | 519.6 | 539.2 | 562.7 | 592.6 |
| 22.5° | 432.4 | 435.5 | 441.6 | 453.3 | 463.8 | 474.7 | 487.5 | 506.1 | 527.0 | 549.9 | 582.4 |
| 25° | 416.2 | 418.1 | 422.2 | 431.5 | 440.9 | 453.1 | 464.3 | 481.8 | 503.4 | 530.2 | 562.7 |
| 27.5° | 400.8 | 402.6 | 406.0 | 412.7 | 421.5 | 431.4 | 443.6 | 458.4 | 480.3 | 509.5 | 544.0 |
| 30° | 391.6 | 391.9 | 395.0 | 401.2 | 408.7 | 416.9 | 428.1 | 445.0 | 465.5 | 495.2 | 531.5 |
| 32.5° | 383.6 | 382.4 | 384.5 | 389.2 | 396.5 | 404.6 | 413.8 | 430.5 | 450.4 | 479.5 | 516.7 |
| 35° | 370.0 | 369.4 | 368.4 | 372.5 | 378.8 | 385.0 | 393.1 | 405.6 | 428.1 | 455.3 | 494.3 |
| 37.5° | 356.2 | 354.7 | 353.0 | 354.9 | 359.8 | 366.3 | 373.3 | 384.4 | 403.8 | 433.7 | 471.1 |
| 40° | 346.0 | 344.7 | 343.8 | 343.2 | 347.6 | 353.8 | 359.1 | 369.7 | 387.8 | 416.2 | 453.1 |
| 42.5° | 334.8 | 334.0 | 332.8 | 331.9 | 335.6 | 340.3 | 345.8 | 355.2 | 373.3 | 400.0 | 434.9 |
| 45° | 316.7 | 316.0 | 315.4 | 314.8 | 316.9 | 321.3 | 325.7 | 332.6 | 348.1 | 374.1 | 405.6 |
| 47.5° | 296.4 | 295.6 | 295.9 | 294.9 | 297.0 | 299.9 | 303.0 | 310.4 | 325.4 | 346.3 | 369.3 |
| 50° | 281.9 | 281.7 | 281.7 | 281.7 | 282.3 | 285.7 | 288.5 | 294.2 | 307.9 | 328.8 | 345.4 |
| 52.5° | 268.2 | 266.9 | 266.9 | 267.4 | 268.6 | 270.8 | 272.6 | 278.7 | 290.7 | 307.9 | 322.9 |
| 55° | 246.7 | 244.2 | 243.5 | 244.2 | 245.2 | 247.0 | 248.8 | 253.9 | 264.2 | 277.0 | 285.7 |
| 57.5° | 222.8 | 221.4 | 220.6 | 220.8 | 221.3 | 222.7 | 224.2 | 229.7 | 237.7 | 244.4 | 250.1 |
| 60° | 206.1 | 206.7 | 203.9 | 204.6 | 204.6 | 205.8 | 208.0 | 211.4 | 218.3 | 223.0 | 228.6 |
| 62.5° | 190.4 | 189.5 | 188.7 | 187.8 | 187.8 | 188.3 | 191.2 | 193.9 | 199.7 | 202.2 | 206.6 |
| 65° | 165.8 | 165.8 | 164.0 | 164.5 | 164.9 | 162.7 | 164.3 | 167.4 | 171.1 | 172.0 | 176.1 |
| 67.5° | 141.0 | 140.1 | 139.0 | 138.1 | 138.1 | 137.9 | 138.7 | 140.2 | 143.1 | 143.4 | 146.5 |
| 70° | 123.9 | 123.4 | 123.0 | 122.1 | 120.8 | 122.4 | 121.5 | 123.0 | 124.6 | 124.9 | 126.8 |
| 72.5° | 107.5 | 106.9 | 106.3 | 105.3 | 104.8 | 104.7 | 104.8 | 106.6 | 107.6 | 107.1 | 109.3 |
| 75° | 84.0 | 83.4 | 82.8 | 81.2 | 81.2 | 80.2 | 80.6 | 81.8 | 83.1 | 82.1 | 84.0 |
| 77.5° | 61.7 | 59.8 | 59.7 | 60.1 | 59.0 | 59.2 | 58.9 | 58.6 | 59.2 | 59.3 | 61.0 |
| 80° | 47.5 | 45.2 | 45.9 | 45.6 | 45.2 | 45.0 | 44.4 | 44.7 | 45.0 | 45.2 | 46.2 |
| 82.5° | 34.2 | 34.0 | 33.4 | 33.3 | 33.0 | 32.2 | 31.9 | 32.4 | 32.7 | 32.5 | 33.3 |
| 85° | 17.4 | 16.6 | 17.2 | 16.9 | 17.2 | 16.9 | 15.9 | 15.9 | 16.6 | 16.2 | 16.9 |
| 87.5° | 8.4 | 8.3 | 7.7 | 7.6 | 6.9 | 6.8 | 6.3 | 6.2 | 6.2 | 5.9 | 6.1 |
| 90° | 15.9 | 15.3 | 13.5 | 11.6 | 9.8 | 7.9 | 6.3 | 4.9 | 3.5 | 2.0 | 0.7 |
| 92.5° | 24.9 | 24.5 | 23.4 | 22.4 | 21.4 | 20.3 | 19.2 | 18.3 | 17.4 | 16.4 | 15.4 |
| 95° | 47.8 | 47.2 | 46.1 | 44.9 | 43.8 | 42.6 | 41.6 | 40.6 | 39.6 | 38.6 | 37.6 |
| 97.5° | 74.4 | 73.8 | 73.0 | 72.2 | 71.3 | 70.5 | 69.8 | 69.0 | 68.2 | 67.5 | 66.8 |
| 100° | 94.2 | 93.7 | 93.0 | 92.3 | 91.6 | 90.9 | 90.1 | 89.3 | 88.4 | 87.6 | 86.7 |
| 102.5° | 116.6 | 116.2 | 115.2 | 114.3 | 113.3 | 112.4 | 111.7 | 111.2 | 110.6 | 110.1 | 109.7 |
| 105° | 150.4 | 150.4 | 149.2 | 147.9 | 146.6 | 145.4 | 144.6 | 144.3 | 144.0 | 143.7 | 143.4 |
| 107.5° | 186.2 | 185.7 | 185.2 | 184.7 | 184.3 | 183.7 | 183.4 | 183.2 | 183.0 | 182.9 | 182.7 |
| 110° | 210.3 | 209.7 | 209.5 | 209.1 | 208.9 | 208.6 | 208.3 | 208.0 | 207.7 | 207.4 | 207.2 |



TEST NUMBER: P331929-930

CATALOG NUMBER: S123DIP-S560D805U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 234.4 | 233.7 | 233.7 | 233.6 | 233.5 | 233.4 | 233.3 | 233.2 | 233.0 | 232.8 | 232.7 |
| 115° | 271.7 | 271.6 | 271.8 | 272.1 | 272.4 | 272.7 | 272.6 | 272.1 | 271.7 | 271.3 | 270.9 |
| 117.5° | 309.0 | 309.0 | 309.4 | 309.7 | 310.1 | 310.5 | 310.5 | 310.2 | 310.0 | 309.7 | 309.4 |
| 120° | 333.9 | 334.0 | 334.8 | 335.4 | 336.1 | 336.9 | 336.8 | 335.9 | 335.1 | 334.2 | 333.4 |
| 122.5° | 359.1 | 359.5 | 359.9 | 360.3 | 360.6 | 361.0 | 360.9 | 360.2 | 359.6 | 359.0 | 358.4 |
| 125° | 396.6 | 397.1 | 397.4 | 397.7 | 397.9 | 398.3 | 398.2 | 397.8 | 397.3 | 396.9 | 396.5 |
| 127.5° | 433.6 | 434.3 | 434.6 | 435.0 | 435.3 | 435.6 | 435.3 | 434.4 | 433.5 | 432.6 | 431.7 |
| 130° | 457.7 | 458.3 | 458.8 | 459.2 | 459.6 | 460.0 | 459.7 | 458.5 | 457.4 | 456.2 | 455.1 |
| 132.5° | 481.6 | 482.2 | 482.6 | 482.9 | 483.2 | 483.6 | 483.1 | 482.0 | 480.9 | 479.7 | 478.6 |
| 135° | 517.1 | 517.6 | 517.7 | 517.9 | 518.0 | 518.2 | 517.8 | 517.0 | 516.1 | 515.3 | 514.4 |
| 137.5° | 551.8 | 552.4 | 552.0 | 551.6 | 551.3 | 550.9 | 550.4 | 549.7 | 548.9 | 548.3 | 547.6 |
| 140° | 574.2 | 574.3 | 574.2 | 574.1 | 573.9 | 573.7 | 573.3 | 572.7 | 571.9 | 571.2 | 570.5 |
| 142.5° | 595.6 | 595.7 | 595.5 | 595.3 | 595.0 | 594.8 | 594.3 | 593.5 | 592.8 | 592.2 | 591.4 |
| 145° | 627.1 | 627.2 | 626.8 | 626.4 | 626.0 | 625.5 | 625.2 | 624.9 | 624.6 | 624.4 | 624.0 |
| 147.5° | 656.7 | 656.7 | 656.3 | 655.9 | 655.5 | 655.1 | 654.7 | 654.1 | 653.6 | 653.1 | 652.6 |
| 150° | 675.1 | 675.1 | 674.7 | 674.5 | 674.2 | 673.9 | 673.6 | 673.4 | 673.0 | 672.8 | 672.5 |
| 152.5° | 691.6 | 691.4 | 691.2 | 691.0 | 690.9 | 690.7 | 690.4 | 690.0 | 689.6 | 689.2 | 688.8 |
| 155° | 715.8 | 715.2 | 715.1 | 714.9 | 714.8 | 714.6 | 714.5 | 714.5 | 714.5 | 714.5 | 714.5 |
| 157.5° | 736.9 | 736.2 | 736.1 | 736.1 | 735.9 | 735.8 | 735.8 | 736.0 | 736.1 | 736.3 | 736.5 |
| 160° | 749.7 | 749.0 | 749.0 | 749.0 | 749.0 | 749.0 | 749.1 | 749.4 | 749.7 | 750.0 | 750.2 |
| 162.5° | 761.9 | 761.2 | 761.1 | 761.0 | 760.9 | 760.8 | 760.9 | 761.3 | 761.7 | 762.1 | 762.5 |
| 165° | 777.2 | 776.4 | 776.4 | 776.4 | 776.4 | 776.4 | 776.6 | 777.1 | 777.5 | 777.9 | 778.3 |
| 167.5° | 789.8 | 788.9 | 788.8 | 788.6 | 788.6 | 788.5 | 788.6 | 789.2 | 789.8 | 790.4 | 790.9 |
| 170° | 796.5 | 795.5 | 795.5 | 795.5 | 795.5 | 795.5 | 795.8 | 796.4 | 797.0 | 797.5 | 798.1 |
| 172.5° | 802.0 | 801.1 | 801.1 | 801.1 | 801.1 | 801.1 | 801.4 | 802.0 | 802.6 | 803.2 | 803.6 |
| 175° | 807.9 | 807.0 | 807.0 | 807.0 | 807.0 | 807.0 | 807.3 | 807.9 | 808.5 | 808.9 | 809.5 |
| 177.5° | 810.6 | 809.9 | 809.9 | 809.9 | 809.9 | 809.9 | 810.2 | 810.6 | 811.1 | 811.5 | 812.0 |
| 180° | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 |



TEST NUMBER: P331929-930

CATALOG NUMBER: S123DIP-S560D805U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 0° | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 |
| 2.5° | 648.5 | 649.7 | 654.0 | 657.0 | 660.5 | 662.5 | 664.5 | 666.0 | 668.0 | 668.5 | 675.7 |
| 5° | 651.3 | 657.6 | 668.5 | 676.6 | 686.6 | 697.6 | 705.1 | 708.5 | 717.5 | 725.0 | 740.0 |
| 7.5° | 650.5 | 663.8 | 680.4 | 697.5 | 715.8 | 732.8 | 747.5 | 765.0 | 777.5 | 796.1 | 814.6 |
| 10° | 649.8 | 667.6 | 688.8 | 710.7 | 736.3 | 760.0 | 781.3 | 805.0 | 824.7 | 850.6 | 872.8 |
| 12.5° | 647.6 | 669.1 | 698.5 | 724.4 | 755.5 | 788.2 | 819.7 | 850.2 | 867.6 | 910.8 | 931.2 |
| 15° | 642.0 | 667.6 | 704.4 | 743.8 | 786.6 | 825.3 | 865.3 | 897.1 | 948.6 | 986.4 | 1010.5 |
| 17.5° | 631.4 | 667.2 | 710.9 | 758.4 | 810.4 | 861.4 | 906.7 | 955.0 | 1009.7 | 1055.4 | 1104.2 |
| 20° | 626.4 | 665.7 | 714.4 | 766.9 | 820.9 | 878.6 | 930.2 | 988.3 | 1047.9 | 1092.9 | 1155.4 |
| 22.5° | 617.2 | 661.7 | 714.2 | 772.7 | 830.4 | 890.1 | 950.5 | 1009.0 | 1077.9 | 1139.9 | 1199.3 |
| 25° | 602.0 | 652.0 | 706.3 | 771.6 | 839.4 | 899.3 | 971.4 | 1049.2 | 1121.0 | 1200.6 | 1260.0 |
| 27.5° | 586.2 | 639.5 | 694.0 | 754.6 | 827.5 | 898.7 | 989.4 | 1077.3 | 1165.1 | 1233.9 | 1277.7 |
| 30° | 573.9 | 625.7 | 682.0 | 743.1 | 815.3 | 899.9 | 1001.4 | 1097.2 | 1182.8 | 1241.9 | 1266.5 |
| 32.5° | 560.7 | 613.3 | 663.0 | 727.2 | 804.0 | 899.2 | 1008.9 | 1109.0 | 1183.8 | 1223.1 | 1218.3 |
| 35° | 539.9 | 583.9 | 632.3 | 694.1 | 784.7 | 893.6 | 1013.3 | 1110.0 | 1155.9 | 1147.5 | 1083.9 |
| 37.5° | 509.9 | 547.0 | 594.6 | 662.3 | 762.2 | 882.2 | 1004.5 | 1077.2 | 1074.2 | 1005.5 | 913.2 |
| 40° | 491.2 | 522.7 | 568.6 | 639.8 | 744.7 | 874.7 | 990.8 | 1038.0 | 998.0 | 902.1 | 791.6 |
| 42.5° | 466.7 | 495.7 | 541.6 | 614.8 | 725.5 | 859.4 | 964.6 | 978.2 | 900.0 | 789.7 | 688.4 |
| 45° | 428.8 | 454.4 | 501.8 | 577.4 | 696.7 | 826.2 | 900.6 | 867.2 | 761.9 | 647.9 | 570.8 |
| 47.5° | 387.9 | 414.6 | 460.2 | 537.9 | 654.9 | 776.3 | 811.7 | 740.7 | 632.6 | 540.2 | 469.4 |
| 50° | 362.2 | 387.8 | 432.4 | 510.9 | 626.7 | 735.4 | 750.1 | 658.3 | 559.0 | 477.8 | 419.6 |
| 52.5° | 336.2 | 360.4 | 404.2 | 482.9 | 593.7 | 687.9 | 678.8 | 585.3 | 494.0 | 424.8 | 379.2 |
| 55° | 297.6 | 320.4 | 362.2 | 435.9 | 536.8 | 611.4 | 578.6 | 489.3 | 413.8 | 360.0 | 325.4 |
| 57.5° | 263.0 | 284.9 | 320.9 | 387.5 | 475.2 | 526.4 | 484.8 | 409.5 | 349.4 | 308.1 | 282.3 |
| 60° | 239.5 | 258.9 | 293.2 | 355.1 | 431.2 | 470.3 | 429.0 | 362.6 | 311.9 | 278.8 | 255.8 |
| 62.5° | 217.3 | 234.2 | 266.0 | 322.0 | 388.2 | 421.0 | 379.4 | 323.0 | 280.0 | 250.6 | 231.0 |
| 65° | 183.6 | 198.9 | 227.0 | 270.8 | 325.1 | 346.9 | 311.0 | 265.4 | 232.0 | 210.2 | 197.1 |
| 67.5° | 152.9 | 165.8 | 190.1 | 224.5 | 264.6 | 280.5 | 253.2 | 217.8 | 192.7 | 175.1 | 164.7 |
| 70° | 132.4 | 143.7 | 162.7 | 192.3 | 228.6 | 240.8 | 215.2 | 186.1 | 167.7 | 153.6 | 144.0 |
| 72.5° | 115.1 | 123.4 | 140.7 | 163.6 | 193.9 | 203.5 | 185.6 | 160.1 | 142.9 | 132.4 | 124.7 |
| 75° | 87.7 | 94.6 | 105.8 | 124.3 | 145.2 | 150.8 | 137.4 | 121.5 | 109.9 | 102.4 | 96.4 |
| 77.5° | 63.3 | 68.3 | 76.5 | 87.8 | 102.3 | 107.4 | 98.9 | 88.2 | 79.8 | 74.8 | 71.4 |
| 80° | 47.8 | 51.9 | 58.7 | 68.1 | 76.8 | 79.7 | 74.6 | 66.5 | 60.6 | 57.8 | 55.0 |
| 82.5° | 35.3 | 37.6 | 41.7 | 48.1 | 54.1 | 57.4 | 53.2 | 48.3 | 45.1 | 42.6 | 41.5 |
| 85° | 17.8 | 19.1 | 21.0 | 23.4 | 27.1 | 28.5 | 26.8 | 25.6 | 23.7 | 22.2 | 22.2 |
| 87.5° | 6.9 | 7.2 | 8.2 | 9.0 | 10.4 | 11.4 | 11.6 | 11.4 | 11.6 | 11.4 | 11.3 |
| 90° | 2.0 | 3.5 | 4.9 | 6.3 | 7.9 | 9.8 | 11.6 | 13.5 | 15.3 | 15.9 | 16.5 |
| 92.5° | 16.4 | 17.4 | 18.3 | 19.2 | 20.3 | 21.4 | 22.4 | 23.4 | 24.5 | 24.9 | 25.4 |
| 95° | 38.6 | 39.6 | 40.6 | 41.6 | 42.6 | 43.8 | 44.9 | 46.1 | 47.2 | 47.8 | 48.3 |
| 97.5° | 67.5 | 68.2 | 69.0 | 69.8 | 70.5 | 71.3 | 72.2 | 73.0 | 73.8 | 74.4 | 75.1 |
| 100° | 87.6 | 88.4 | 89.3 | 90.1 | 90.9 | 91.6 | 92.3 | 93.0 | 93.7 | 94.2 | 94.6 |
| 102.5° | 110.1 | 110.6 | 111.2 | 111.7 | 112.4 | 113.3 | 114.3 | 115.2 | 116.2 | 116.6 | 117.0 |
| 105° | 143.7 | 144.0 | 144.3 | 144.6 | 145.4 | 146.6 | 147.9 | 149.2 | 150.4 | 150.4 | 150.4 |
| 107.5° | 182.9 | 183.0 | 183.2 | 183.4 | 183.7 | 184.3 | 184.7 | 185.2 | 185.7 | 186.2 | 186.6 |
| 110° | 207.4 | 207.7 | 208.0 | 208.3 | 208.6 | 208.9 | 209.1 | 209.5 | 209.7 | 210.3 | 210.8 |



TEST NUMBER: P331929-930

CATALOG NUMBER: S123DIP-S560D805U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 232.8 | 233.0 | 233.2 | 233.3 | 233.4 | 233.5 | 233.6 | 233.7 | 233.7 | 234.4 | 235.1 |
| 115° | 271.3 | 271.7 | 272.1 | 272.6 | 272.7 | 272.4 | 272.1 | 271.8 | 271.6 | 271.7 | 271.8 |
| 117.5° | 309.7 | 310.0 | 310.2 | 310.5 | 310.5 | 310.1 | 309.7 | 309.4 | 309.0 | 309.0 | 309.0 |
| 120° | 334.2 | 335.1 | 335.9 | 336.8 | 336.9 | 336.1 | 335.4 | 334.8 | 334.0 | 333.9 | 333.7 |
| 122.5° | 359.0 | 359.6 | 360.2 | 360.9 | 361.0 | 360.6 | 360.3 | 359.9 | 359.5 | 359.1 | 358.8 |
| 125° | 396.9 | 397.3 | 397.8 | 398.2 | 398.3 | 397.9 | 397.7 | 397.4 | 397.1 | 396.6 | 396.0 |
| 127.5° | 432.6 | 433.5 | 434.4 | 435.3 | 435.6 | 435.3 | 435.0 | 434.6 | 434.3 | 433.6 | 432.8 |
| 130° | 456.2 | 457.4 | 458.5 | 459.7 | 460.0 | 459.6 | 459.2 | 458.8 | 458.3 | 457.7 | 457.2 |
| 132.5° | 479.7 | 480.9 | 482.0 | 483.1 | 483.6 | 483.2 | 482.9 | 482.6 | 482.2 | 481.6 | 480.9 |
| 135° | 515.3 | 516.1 | 517.0 | 517.8 | 518.2 | 518.0 | 517.9 | 517.7 | 517.6 | 517.1 | 516.5 |
| 137.5° | 548.3 | 548.9 | 549.7 | 550.4 | 550.9 | 551.3 | 551.6 | 552.0 | 552.4 | 551.8 | 551.2 |
| 140° | 571.2 | 571.9 | 572.7 | 573.3 | 573.7 | 573.9 | 574.1 | 574.2 | 574.3 | 574.2 | 574.1 |
| 142.5° | 592.2 | 592.8 | 593.5 | 594.3 | 594.8 | 595.0 | 595.3 | 595.5 | 595.7 | 595.6 | 595.5 |
| 145° | 624.4 | 624.6 | 624.9 | 625.2 | 625.5 | 626.0 | 626.4 | 626.8 | 627.2 | 627.1 | 627.0 |
| 147.5° | 653.1 | 653.6 | 654.1 | 654.7 | 655.1 | 655.5 | 655.9 | 656.3 | 656.7 | 656.7 | 656.7 |
| 150° | 672.8 | 673.0 | 673.4 | 673.6 | 673.9 | 674.2 | 674.5 | 674.7 | 675.1 | 675.1 | 675.1 |
| 152.5° | 689.2 | 689.6 | 690.0 | 690.4 | 690.7 | 690.9 | 691.0 | 691.2 | 691.4 | 691.6 | 691.8 |
| 155° | 714.5 | 714.5 | 714.5 | 714.5 | 714.6 | 714.8 | 714.9 | 715.1 | 715.2 | 715.8 | 716.3 |
| 157.5° | 736.3 | 736.1 | 736.0 | 735.8 | 735.8 | 735.9 | 736.1 | 736.1 | 736.2 | 736.9 | 737.4 |
| 160° | 750.0 | 749.7 | 749.4 | 749.1 | 749.0 | 749.0 | 749.0 | 749.0 | 749.0 | 749.7 | 750.4 |
| 162.5° | 762.1 | 761.7 | 761.3 | 760.9 | 760.8 | 760.9 | 761.0 | 761.1 | 761.2 | 761.9 | 762.6 |
| 165° | 777.9 | 777.5 | 777.1 | 776.6 | 776.4 | 776.4 | 776.4 | 776.4 | 776.4 | 777.2 | 778.1 |
| 167.5° | 790.4 | 789.8 | 789.2 | 788.6 | 788.5 | 788.6 | 788.6 | 788.8 | 788.9 | 789.8 | 790.7 |
| 170° | 797.5 | 797.0 | 796.4 | 795.8 | 795.5 | 795.5 | 795.5 | 795.5 | 795.5 | 796.5 | 797.5 |
| 172.5° | 803.2 | 802.6 | 802.0 | 801.4 | 801.1 | 801.1 | 801.1 | 801.1 | 801.1 | 802.0 | 802.9 |
| 175° | 808.9 | 808.5 | 807.9 | 807.3 | 807.0 | 807.0 | 807.0 | 807.0 | 807.0 | 807.9 | 808.7 |
| 177.5° | 811.5 | 811.1 | 810.6 | 810.2 | 809.9 | 809.9 | 809.9 | 809.9 | 809.9 | 810.6 | 811.3 |
| 180° | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 |



TEST NUMBER: P331929-930

CATALOG NUMBER: S123DIP-S560D805U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 | 644.5 |
| 2.5° | 678.2 | 678.5 | 681.2 | 683.2 | 682.2 | 683.5 | 684.0 |
| 5° | 740.9 | 752.2 | 758.1 | 762.5 | 762.9 | 763.1 | 765.6 |
| 7.5° | 830.0 | 842.0 | 850.8 | 864.2 | 868.2 | 872.8 | 871.5 |
| 10° | 895.0 | 912.7 | 928.1 | 936.1 | 944.9 | 957.7 | 947.4 |
| 12.5° | 955.6 | 987.2 | 1010.5 | 1023.0 | 1031.4 | 1033.9 | 1028.8 |
| 15° | 1055.7 | 1097.0 | 1119.2 | 1118.5 | 1146.6 | 1158.8 | 1139.7 |
| 17.5° | 1147.5 | 1185.6 | 1216.0 | 1231.7 | 1255.1 | 1260.3 | 1257.9 |
| 20° | 1203.7 | 1245.3 | 1269.0 | 1295.8 | 1308.1 | 1319.0 | 1320.9 |
| 22.5° | 1252.2 | 1289.5 | 1315.0 | 1337.3 | 1347.5 | 1352.7 | 1355.8 |
| 25° | 1302.1 | 1331.5 | 1346.8 | 1354.5 | 1357.4 | 1356.7 | 1352.7 |
| 27.5° | 1298.7 | 1300.9 | 1284.1 | 1267.5 | 1252.7 | 1236.0 | 1230.3 |
| 30° | 1264.9 | 1238.7 | 1191.9 | 1165.3 | 1126.3 | 1095.4 | 1107.9 |
| 32.5° | 1176.2 | 1124.1 | 1071.5 | 1013.4 | 965.4 | 951.8 | 938.0 |
| 35° | 1003.9 | 912.1 | 858.4 | 796.0 | 770.9 | 746.0 | 728.8 |
| 37.5° | 812.2 | 741.2 | 677.4 | 636.6 | 611.6 | 595.8 | 587.3 |
| 40° | 702.3 | 638.2 | 585.8 | 552.7 | 533.6 | 515.8 | 513.3 |
| 42.5° | 614.6 | 555.1 | 515.6 | 489.3 | 470.9 | 463.4 | 457.9 |
| 45° | 503.4 | 461.8 | 435.3 | 416.5 | 404.4 | 399.7 | 393.5 |
| 47.5° | 426.1 | 396.7 | 376.7 | 364.0 | 354.8 | 351.3 | 350.8 |
| 50° | 382.9 | 358.5 | 343.8 | 333.8 | 326.6 | 325.4 | 320.4 |
| 52.5° | 350.3 | 329.2 | 317.8 | 309.1 | 303.9 | 300.4 | 298.9 |
| 55° | 304.1 | 290.1 | 279.8 | 274.8 | 270.8 | 267.3 | 267.3 |
| 57.5° | 266.1 | 254.4 | 247.5 | 243.3 | 242.1 | 239.6 | 238.1 |
| 60° | 242.6 | 232.6 | 227.3 | 223.6 | 221.1 | 221.4 | 218.6 |
| 62.5° | 219.6 | 213.1 | 208.1 | 204.3 | 201.4 | 201.4 | 201.6 |
| 65° | 187.0 | 182.1 | 178.3 | 177.1 | 175.2 | 173.0 | 173.6 |
| 67.5° | 158.5 | 153.8 | 150.9 | 148.8 | 148.1 | 146.9 | 148.8 |
| 70° | 138.0 | 134.6 | 132.4 | 130.5 | 129.9 | 130.2 | 131.8 |
| 72.5° | 119.3 | 116.8 | 115.4 | 114.5 | 113.2 | 113.2 | 114.3 |
| 75° | 93.7 | 91.8 | 90.6 | 89.6 | 89.3 | 89.3 | 89.3 |
| 77.5° | 68.8 | 68.4 | 67.8 | 66.4 | 66.5 | 66.9 | 66.9 |
| 80° | 54.3 | 53.4 | 53.1 | 52.4 | 51.5 | 50.9 | 52.4 |
| 82.5° | 40.6 | 39.6 | 39.4 | 39.2 | 37.7 | 37.7 | 39.0 |
| 85° | 21.9 | 21.0 | 21.2 | 21.0 | 21.0 | 20.6 | 20.6 |
| 87.5° | 11.2 | 11.0 | 10.8 | 11.2 | 10.9 | 10.8 | 11.3 |
| 90° | 17.0 | 17.5 | 18.0 | 18.3 | 18.6 | 18.8 | 19.2 |
| 92.5° | 25.8 | 26.3 | 26.4 | 26.3 | 26.1 | 25.9 | 25.8 |
| 95° | 48.8 | 49.4 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 |
| 97.5° | 75.7 | 76.4 | 76.7 | 76.6 | 76.6 | 76.6 | 76.5 |
| 100° | 95.0 | 95.4 | 95.8 | 96.0 | 96.3 | 96.6 | 96.9 |
| 102.5° | 117.4 | 117.8 | 118.1 | 118.0 | 117.9 | 117.9 | 117.8 |
| 105° | 150.4 | 150.4 | 150.6 | 150.8 | 151.2 | 151.4 | 151.7 |
| 107.5° | 187.1 | 187.6 | 187.7 | 187.5 | 187.4 | 187.2 | 187.0 |
| 110° | 211.4 | 212.0 | 212.1 | 211.8 | 211.6 | 211.2 | 211.0 |



TEST NUMBER: P331929-930

CATALOG NUMBER: S123DIP-S560D805U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 235.7 | 236.4 | 236.7 | 236.7 | 236.6 | 236.5 | 236.5 |
| 115° | 272.0 | 272.1 | 272.1 | 272.0 | 271.8 | 271.7 | 271.6 |
| 117.5° | 308.9 | 308.9 | 308.7 | 308.3 | 307.9 | 307.5 | 307.1 |
| 120° | 333.6 | 333.5 | 333.2 | 333.0 | 332.6 | 332.4 | 332.1 |
| 122.5° | 358.4 | 358.1 | 357.7 | 357.3 | 356.9 | 356.4 | 356.0 |
| 125° | 395.4 | 394.8 | 394.3 | 393.7 | 393.1 | 392.6 | 392.0 |
| 127.5° | 431.9 | 431.2 | 430.5 | 429.8 | 429.2 | 428.5 | 427.9 |
| 130° | 456.6 | 456.1 | 455.3 | 454.3 | 453.3 | 452.3 | 451.3 |
| 132.5° | 480.2 | 479.6 | 478.8 | 478.1 | 477.3 | 476.5 | 475.8 |
| 135° | 515.9 | 515.4 | 514.9 | 514.6 | 514.4 | 514.0 | 513.8 |
| 137.5° | 550.7 | 550.0 | 549.4 | 548.9 | 548.4 | 547.9 | 547.3 |
| 140° | 573.9 | 573.7 | 573.2 | 572.2 | 571.2 | 570.2 | 569.2 |
| 142.5° | 595.3 | 595.2 | 594.8 | 593.9 | 593.2 | 592.4 | 591.7 |
| 145° | 626.8 | 626.6 | 626.3 | 625.7 | 625.2 | 624.6 | 624.0 |
| 147.5° | 656.7 | 656.7 | 656.2 | 655.4 | 654.5 | 653.7 | 652.9 |
| 150° | 675.1 | 675.1 | 674.7 | 673.8 | 672.9 | 672.1 | 671.2 |
| 152.5° | 692.0 | 692.3 | 692.0 | 691.3 | 690.6 | 689.8 | 689.1 |
| 155° | 716.9 | 717.5 | 717.2 | 716.2 | 715.3 | 714.3 | 713.3 |
| 157.5° | 738.0 | 738.6 | 738.5 | 737.8 | 736.9 | 736.1 | 735.3 |
| 160° | 751.1 | 751.8 | 751.9 | 751.3 | 750.7 | 750.2 | 749.6 |
| 162.5° | 763.4 | 764.1 | 763.9 | 763.0 | 762.1 | 761.2 | 760.3 |
| 165° | 778.9 | 779.8 | 779.8 | 778.8 | 777.7 | 776.7 | 775.8 |
| 167.5° | 791.5 | 792.4 | 792.4 | 791.5 | 790.7 | 789.8 | 788.9 |
| 170° | 798.5 | 799.5 | 799.5 | 798.5 | 797.5 | 796.5 | 795.5 |
| 172.5° | 803.8 | 804.6 | 804.6 | 803.6 | 802.6 | 801.6 | 800.6 |
| 175° | 809.5 | 810.4 | 810.3 | 809.3 | 808.4 | 807.3 | 806.3 |
| 177.5° | 812.0 | 812.6 | 812.6 | 811.8 | 811.0 | 810.2 | 809.4 |
| 180° | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 | 811.5 |

(END OF REPORT)