

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: P331303-840

Luminaire Tested: **SA2XXDIP-C485D725U840-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331303-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-C485D725U840-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 725 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

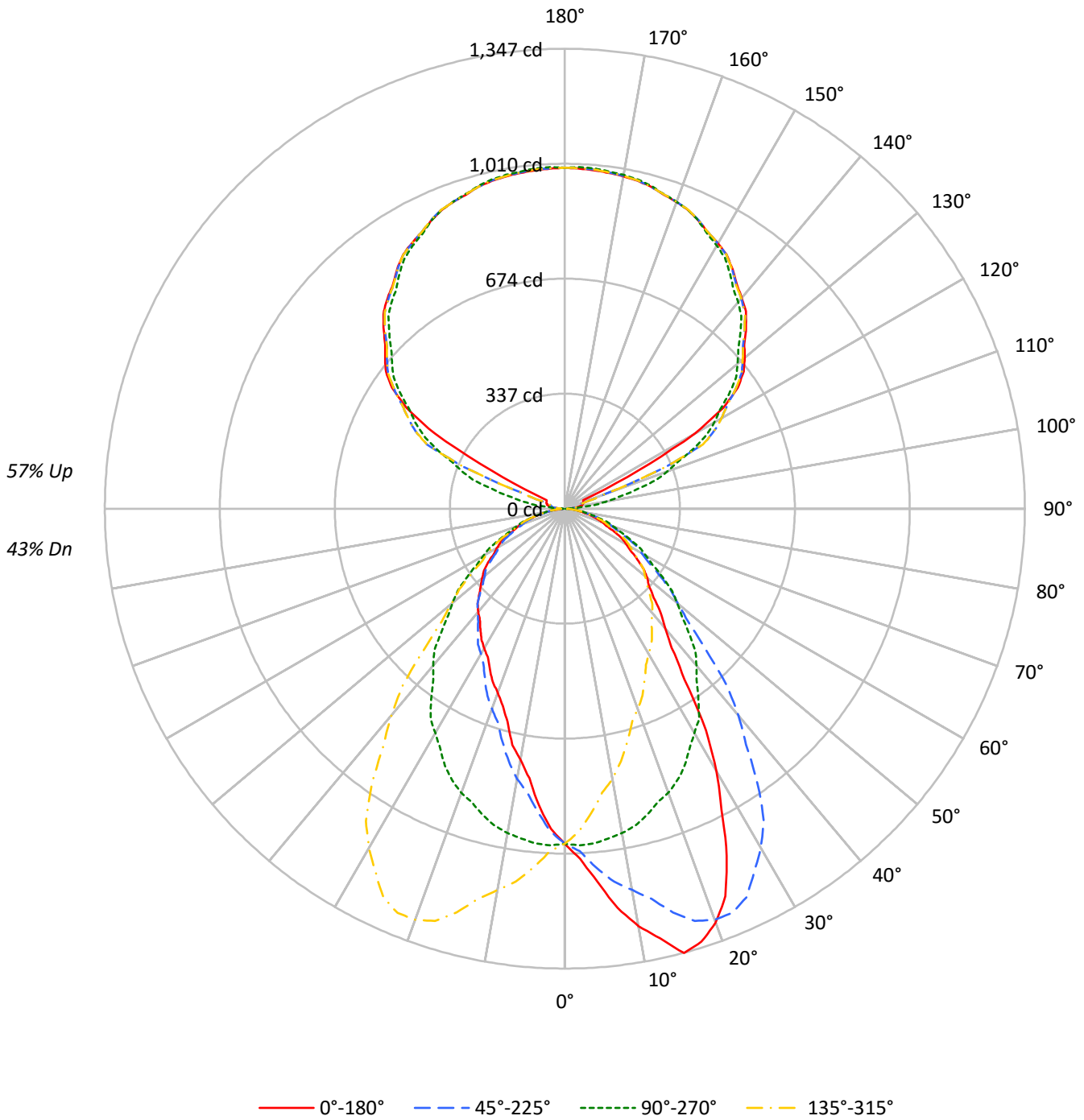
Lumens per Lamp: N/A
Luminaire Lumens: 5093.1 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

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: P331303-840
CATALOG NUMBER: SA2XXDIP-C485D725U840-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P331303-840

CATALOG NUMBER: SA2XXDIP-C485D725U840-4F0-1E-UDD-A

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 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 105 | 105 | 105 | 105 | 96 | 96 | 96 | 96 | 79 | 79 | 79 | 64 | 64 | 64 | 49 | 49 | 49 | 43 | | | | |
| 1 | 97 | 92 | 89 | 85 | 88 | 85 | 81 | 79 | 70 | 68 | 66 | 57 | 55 | 54 | 44 | 43 | 42 | 37 | | | | |
| 2 | 88 | 81 | 75 | 70 | 80 | 74 | 69 | 65 | 62 | 58 | 55 | 50 | 48 | 45 | 39 | 38 | 36 | 31 | | | | |
| 3 | 81 | 72 | 65 | 59 | 74 | 66 | 60 | 55 | 55 | 50 | 47 | 45 | 42 | 39 | 35 | 33 | 31 | 27 | | | | |
| 4 | 74 | 64 | 56 | 50 | 67 | 59 | 52 | 47 | 49 | 44 | 40 | 40 | 37 | 34 | 32 | 29 | 27 | 24 | | | | |
| 5 | 68 | 57 | 49 | 43 | 62 | 52 | 46 | 40 | 44 | 39 | 35 | 36 | 32 | 29 | 29 | 26 | 24 | 21 | | | | |
| 6 | 63 | 51 | 43 | 38 | 57 | 47 | 40 | 35 | 40 | 35 | 31 | 33 | 29 | 26 | 26 | 24 | 21 | 18 | | | | |
| 7 | 58 | 46 | 39 | 33 | 53 | 43 | 36 | 31 | 36 | 31 | 27 | 30 | 26 | 23 | 24 | 21 | 19 | 17 | | | | |
| 8 | 54 | 42 | 35 | 29 | 49 | 39 | 32 | 28 | 33 | 28 | 24 | 27 | 24 | 21 | 22 | 19 | 17 | 15 | | | | |
| 9 | 50 | 38 | 31 | 26 | 46 | 36 | 29 | 25 | 30 | 25 | 22 | 25 | 21 | 19 | 21 | 18 | 16 | 14 | | | | |
| 10 | 47 | 35 | 28 | 24 | 43 | 33 | 26 | 22 | 28 | 23 | 20 | 23 | 20 | 17 | 19 | 16 | 14 | 12 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 15844 | 15844 | 15844 | 15844 |
| 5° | 17763 | 15948 | 14131 | 15948 |
| 10° | 20354 | 15816 | 12231 | 15816 |
| 15° | 22519 | 15527 | 10805 | 15527 |
| 20° | 22175 | 15216 | 9850 | 15216 |
| 25° | 19996 | 14801 | 9246 | 14801 |
| 30° | 16524 | 14139 | 8804 | 14139 |
| 35° | 12043 | 13448 | 8489 | 13448 |
| 40° | 9619 | 12631 | 8315 | 12631 |
| 45° | 8405 | 11686 | 8079 | 11686 |
| 50° | 7902 | 10771 | 7920 | 10771 |
| 55° | 7282 | 9841 | 7707 | 9841 |
| 60° | 6675 | 8854 | 7379 | 8854 |
| 65° | 6082 | 7966 | 7060 | 7966 |
| 70° | 5519 | 7105 | 6590 | 7105 |
| 75° | 4897 | 6145 | 5833 | 6145 |
| 80° | 4203 | 5086 | 4695 | 5086 |
| 85° | 3779 | 3779 | 2779 | 3779 |



TEST NUMBER: P331303-840

CATALOG NUMBER: SA2XXDIP-C485D725U840-4F0-1E-UDD-A

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 93.5 | 1.8 |
| 10°-20° | 271.7 | 5.3 |
| 20°-30° | 394.3 | 7.7 |
| 30°-40° | 416.1 | 8.2 |
| 40°-50° | 368.4 | 7.2 |
| 50°-60° | 294.0 | 5.8 |
| 60°-70° | 199.8 | 3.9 |
| 70°-80° | 102.5 | 2.0 |
| 80°-90° | 27.2 | 0.5 |
| 90°-100° | 33.3 | 0.7 |
| 100°-110° | 122.1 | 2.4 |
| 110°-120° | 326.4 | 6.4 |
| 120°-130° | 538.9 | 10.6 |
| 130°-140° | 573.1 | 11.3 |
| 140°-150° | 532.7 | 10.5 |
| 150°-160° | 428.3 | 8.4 |
| 160°-170° | 276.0 | 5.4 |
| 170°-180° | 95.0 | 1.9 |
| 0°-30° | 759.5 | 14.9 |
| 0°-40° | 1175.6 | 23.1 |
| 0°-60° | 1838.0 | 36.1 |
| 0°-90° | 2167.5 | 42.6 |
| 90°-120° | 481.9 | 9.5 |
| 90°-150° | 2126.5 | 41.8 |
| 90°-180° | 2926.0 | 57.4 |
| 0°-180° | 5093.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 981 | 981 | 981 | 981 | 981 | |
| 5° | 1096 | 984 | 872 | 984 | 1096 | 109 |
| 15° | 1347 | 929 | 646 | 929 | 1347 | 372 |
| 25° | 1122 | 831 | 519 | 831 | 1122 | 507 |
| 35° | 611 | 682 | 431 | 682 | 611 | 397 |
| 45° | 368 | 512 | 354 | 512 | 368 | 289 |
| 55° | 259 | 350 | 274 | 350 | 259 | 232 |
| 65° | 159 | 208 | 185 | 208 | 159 | 158 |
| 75° | 78 | 98 | 94 | 98 | 78 | 84 |
| 85° | 20 | 20 | 15 | 20 | 20 | 23 |
| 90° | 20 | 1 | 20 | 1 | 20 | 10 |
| 95° | 31 | 47 | 31 | 47 | 31 | 29 |
| 105° | 55 | 220 | 55 | 220 | 55 | 57 |
| 115° | 59 | 415 | 59 | 415 | 59 | 148 |
| 125° | 618 | 587 | 618 | 587 | 618 | 534 |
| 135° | 750 | 727 | 750 | 727 | 750 | 578 |
| 145° | 856 | 843 | 856 | 843 | 856 | 535 |
| 155° | 929 | 928 | 929 | 928 | 929 | 429 |
| 165° | 976 | 978 | 976 | 978 | 976 | 276 |
| 175° | 995 | 1000 | 995 | 1000 | 995 | 95 |
| 180° | 998 | 998 | 998 | 998 | 998 | |



TEST NUMBER: P331303-840

CATALOG NUMBER: SA2XXDIP-C485D725U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 |
| 2.5° | 1026.6 | 1026.9 | 1027.4 | 1022.7 | 1022.1 | 1022.1 | 1017.8 | 1014.2 | 1010.0 | 1004.2 | 1004.8 |
| 5° | 1096.0 | 1100.1 | 1101.7 | 1097.1 | 1090.4 | 1089.5 | 1083.2 | 1072.6 | 1062.8 | 1054.9 | 1049.2 |
| 7.5° | 1178.8 | 1180.4 | 1176.8 | 1170.8 | 1165.8 | 1156.7 | 1144.8 | 1133.1 | 1116.7 | 1101.7 | 1090.6 |
| 10° | 1241.5 | 1243.9 | 1237.4 | 1228.7 | 1221.5 | 1211.0 | 1193.7 | 1175.9 | 1154.5 | 1133.7 | 1117.1 |
| 12.5° | 1289.2 | 1294.8 | 1286.6 | 1285.5 | 1273.1 | 1258.7 | 1238.0 | 1229.0 | 1198.8 | 1169.9 | 1152.1 |
| 15° | 1347.2 | 1346.8 | 1347.6 | 1340.4 | 1331.3 | 1329.1 | 1307.2 | 1283.4 | 1240.8 | 1223.9 | 1194.4 |
| 17.5° | 1330.4 | 1336.2 | 1338.8 | 1338.7 | 1338.5 | 1337.1 | 1330.0 | 1315.0 | 1293.6 | 1266.2 | 1232.2 |
| 20° | 1290.6 | 1298.1 | 1299.3 | 1308.0 | 1312.8 | 1319.3 | 1321.9 | 1317.8 | 1304.5 | 1281.5 | 1252.1 |
| 22.5° | 1229.0 | 1231.1 | 1234.7 | 1248.2 | 1258.8 | 1274.9 | 1283.2 | 1297.2 | 1292.1 | 1280.9 | 1256.4 |
| 25° | 1122.4 | 1118.6 | 1131.8 | 1138.6 | 1163.1 | 1188.7 | 1207.2 | 1227.6 | 1245.7 | 1256.7 | 1249.5 |
| 27.5° | 994.3 | 988.7 | 1008.5 | 1026.4 | 1046.3 | 1074.1 | 1102.9 | 1136.9 | 1165.2 | 1200.6 | 1212.7 |
| 30° | 886.3 | 889.7 | 908.6 | 927.8 | 958.0 | 997.1 | 1029.6 | 1066.9 | 1107.3 | 1146.9 | 1174.4 |
| 32.5° | 769.8 | 782.8 | 794.8 | 824.3 | 850.8 | 894.5 | 942.1 | 988.8 | 1039.2 | 1084.1 | 1126.7 |
| 35° | 611.0 | 626.0 | 642.7 | 664.2 | 701.5 | 744.9 | 791.2 | 854.2 | 922.9 | 984.3 | 1034.9 |
| 37.5° | 514.2 | 511.9 | 521.4 | 536.9 | 567.1 | 602.2 | 655.5 | 717.8 | 798.6 | 870.8 | 942.1 |
| 40° | 456.4 | 454.8 | 461.6 | 475.9 | 499.0 | 524.6 | 571.4 | 626.0 | 701.1 | 789.3 | 874.2 |
| 42.5° | 416.5 | 417.4 | 421.2 | 431.3 | 447.1 | 468.2 | 503.2 | 549.8 | 618.4 | 701.6 | 792.7 |
| 45° | 368.1 | 370.7 | 374.9 | 379.8 | 388.8 | 406.2 | 425.8 | 459.0 | 513.3 | 582.7 | 672.5 |
| 47.5° | 333.3 | 333.4 | 337.5 | 341.8 | 347.2 | 357.0 | 373.0 | 393.8 | 432.1 | 488.7 | 565.8 |
| 50° | 314.6 | 311.8 | 314.9 | 318.3 | 324.0 | 330.7 | 341.3 | 360.9 | 386.6 | 432.2 | 496.7 |
| 52.5° | 291.6 | 291.6 | 294.4 | 295.7 | 300.7 | 307.5 | 317.2 | 330.7 | 354.0 | 389.7 | 442.7 |
| 55° | 258.7 | 260.6 | 262.2 | 264.4 | 268.9 | 273.8 | 281.3 | 290.4 | 308.5 | 335.3 | 374.5 |
| 57.5° | 227.8 | 228.4 | 229.9 | 234.2 | 237.1 | 241.6 | 248.7 | 257.0 | 268.7 | 288.6 | 318.1 |
| 60° | 206.7 | 206.7 | 209.6 | 211.6 | 215.3 | 219.8 | 225.5 | 233.5 | 244.0 | 260.2 | 284.0 |
| 62.5° | 187.3 | 187.0 | 188.2 | 191.4 | 194.2 | 198.4 | 204.1 | 210.9 | 220.8 | 235.2 | 254.7 |
| 65° | 159.2 | 158.4 | 160.7 | 161.4 | 164.4 | 168.5 | 173.1 | 180.3 | 188.2 | 198.7 | 216.1 |
| 67.5° | 132.0 | 132.9 | 134.1 | 135.5 | 137.2 | 141.6 | 144.6 | 149.7 | 156.3 | 165.1 | 176.9 |
| 70° | 116.9 | 116.9 | 116.9 | 118.1 | 120.3 | 122.6 | 125.6 | 129.8 | 136.1 | 143.7 | 154.2 |
| 72.5° | 100.0 | 101.2 | 102.4 | 101.8 | 104.6 | 105.9 | 109.6 | 111.9 | 118.1 | 122.9 | 132.2 |
| 75° | 78.5 | 78.5 | 78.5 | 80.3 | 81.5 | 82.6 | 84.8 | 87.2 | 90.2 | 96.1 | 101.1 |
| 77.5° | 58.6 | 58.4 | 58.8 | 59.2 | 60.4 | 61.8 | 62.4 | 64.5 | 67.3 | 70.1 | 74.2 |
| 80° | 45.2 | 46.0 | 46.4 | 47.2 | 47.2 | 47.9 | 48.3 | 50.9 | 52.8 | 54.7 | 57.4 |
| 82.5° | 35.0 | 35.1 | 35.2 | 35.3 | 35.6 | 36.2 | 37.1 | 38.0 | 38.6 | 40.2 | 42.2 |
| 85° | 20.4 | 20.0 | 20.0 | 20.7 | 20.4 | 20.4 | 21.1 | 21.9 | 21.9 | 22.2 | 23.4 |
| 87.5° | 11.7 | 11.7 | 11.9 | 11.5 | 11.5 | 11.7 | 11.5 | 11.0 | 11.2 | 11.3 | 11.4 |
| 90° | 19.5 | 19.2 | 18.9 | 18.6 | 18.2 | 17.7 | 16.9 | 16.1 | 15.2 | 14.4 | 13.1 |
| 92.5° | 19.5 | 19.3 | 19.1 | 18.9 | 18.8 | 18.4 | 18.0 | 17.6 | 17.2 | 16.8 | 16.2 |
| 95° | 31.1 | 31.2 | 31.4 | 31.5 | 31.7 | 31.4 | 30.6 | 29.8 | 29.0 | 28.2 | 27.1 |
| 97.5° | 41.5 | 41.3 | 41.1 | 40.9 | 40.7 | 40.3 | 39.6 | 39.0 | 38.4 | 37.7 | 35.1 |
| 100° | 48.4 | 48.1 | 47.8 | 47.5 | 47.2 | 46.4 | 45.0 | 43.7 | 42.4 | 41.2 | 38.5 |
| 102.5° | 51.9 | 51.4 | 51.0 | 50.5 | 50.1 | 49.0 | 47.4 | 45.6 | 44.0 | 42.3 | 65.1 |
| 105° | 54.9 | 54.2 | 53.6 | 53.0 | 52.3 | 51.1 | 49.4 | 47.6 | 45.8 | 44.0 | 87.9 |
| 107.5° | 56.5 | 55.8 | 55.2 | 54.5 | 53.9 | 54.5 | 56.2 | 58.1 | 59.9 | 61.7 | 114.2 |
| 110° | 57.1 | 56.5 | 55.7 | 55.1 | 54.5 | 62.2 | 78.3 | 94.3 | 110.4 | 126.4 | 172.8 |



TEST NUMBER: P331303-840

CATALOG NUMBER: SA2XXDIP-C485D725U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|--------|--------|--------|--------|-------|-------|-------|-------|
| 112.5° | 57.7 | 57.2 | 56.7 | 56.1 | 55.5 | 84.6 | 143.2 | 201.8 | 260.3 | 318.8 | 330.3 |
| 115° | 59.3 | 70.8 | 82.3 | 93.9 | 105.4 | 148.5 | 222.8 | 297.1 | 371.4 | 445.8 | 441.7 |
| 117.5° | 241.9 | 279.8 | 317.8 | 355.8 | 393.7 | 421.7 | 439.7 | 457.8 | 475.7 | 493.7 | 490.9 |
| 120° | 440.7 | 462.3 | 484.0 | 505.6 | 527.4 | 537.2 | 535.3 | 533.4 | 531.4 | 529.5 | 526.6 |
| 122.5° | 549.9 | 554.1 | 558.3 | 562.5 | 566.7 | 568.3 | 567.0 | 565.9 | 564.7 | 563.6 | 560.5 |
| 125° | 617.6 | 617.1 | 616.7 | 616.2 | 615.7 | 614.9 | 613.8 | 612.7 | 611.6 | 610.5 | 607.3 |
| 127.5° | 660.5 | 660.4 | 660.2 | 660.1 | 660.0 | 659.1 | 657.5 | 655.9 | 654.3 | 652.6 | 650.4 |
| 130° | 687.0 | 687.1 | 687.3 | 687.5 | 687.6 | 686.8 | 685.1 | 683.3 | 681.6 | 679.7 | 678.0 |
| 132.5° | 713.0 | 713.2 | 713.4 | 713.5 | 713.7 | 713.0 | 711.4 | 709.9 | 708.4 | 706.9 | 705.2 |
| 135° | 750.5 | 750.8 | 751.2 | 751.5 | 751.8 | 751.2 | 749.6 | 748.0 | 746.4 | 744.8 | 743.4 |
| 137.5° | 784.8 | 785.4 | 785.9 | 786.5 | 787.0 | 786.5 | 784.9 | 783.4 | 781.7 | 780.2 | 778.5 |
| 140° | 806.2 | 807.0 | 807.8 | 808.6 | 809.4 | 809.1 | 807.6 | 806.2 | 804.8 | 803.3 | 801.5 |
| 142.5° | 827.0 | 827.8 | 828.6 | 829.4 | 830.2 | 829.9 | 828.6 | 827.3 | 826.0 | 824.7 | 822.6 |
| 145° | 856.1 | 856.9 | 857.7 | 858.5 | 859.2 | 859.1 | 858.0 | 856.9 | 855.8 | 854.5 | 851.8 |
| 147.5° | 881.6 | 882.3 | 882.9 | 883.6 | 884.3 | 884.2 | 883.4 | 882.5 | 881.7 | 880.9 | 878.2 |
| 150° | 897.2 | 898.0 | 898.8 | 899.6 | 900.4 | 900.3 | 899.4 | 898.4 | 897.5 | 896.5 | 893.9 |
| 152.5° | 910.5 | 911.6 | 912.6 | 913.7 | 914.7 | 914.8 | 913.8 | 912.8 | 911.9 | 910.9 | 908.5 |
| 155° | 929.0 | 930.3 | 931.6 | 932.8 | 934.1 | 934.3 | 933.3 | 932.4 | 931.4 | 930.4 | 928.5 |
| 157.5° | 945.9 | 947.2 | 948.4 | 949.7 | 950.9 | 951.0 | 949.9 | 948.8 | 947.8 | 946.6 | 945.2 |
| 160° | 955.7 | 956.8 | 958.0 | 959.1 | 960.2 | 960.3 | 959.4 | 958.4 | 957.5 | 956.4 | 955.4 |
| 162.5° | 963.8 | 965.2 | 966.5 | 968.0 | 969.4 | 969.5 | 968.4 | 967.2 | 966.2 | 965.1 | 964.3 |
| 165° | 975.9 | 977.0 | 978.2 | 979.4 | 980.5 | 980.5 | 979.4 | 978.2 | 977.0 | 975.9 | 975.4 |
| 167.5° | 983.6 | 985.0 | 986.5 | 988.0 | 989.4 | 989.6 | 988.5 | 987.3 | 986.1 | 985.0 | 984.6 |
| 170° | 988.3 | 989.7 | 991.1 | 992.6 | 994.0 | 994.2 | 993.0 | 991.9 | 990.8 | 989.7 | 989.4 |
| 172.5° | 991.7 | 993.1 | 994.6 | 996.0 | 997.4 | 997.6 | 996.5 | 995.4 | 994.3 | 993.1 | 992.8 |
| 175° | 994.7 | 996.3 | 997.9 | 999.6 | 1001.2 | 1001.4 | 1000.3 | 999.2 | 998.0 | 996.9 | 996.5 |
| 177.5° | 996.6 | 997.7 | 999.0 | 1000.1 | 1001.3 | 1001.4 | 1000.5 | 999.6 | 998.7 | 997.7 | 997.6 |
| 180° | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 |



TEST NUMBER: P331303-840

CATALOG NUMBER: SA2XXDIP-C485D725U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0° | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 |
| 2.5° | 1006.9 | 1004.5 | 1003.0 | 997.6 | 992.8 | 988.0 | 986.4 | 987.0 | 980.4 | 974.1 | 971.4 |
| 5° | 1046.2 | 1038.6 | 1031.5 | 1021.3 | 1009.3 | 996.0 | 989.3 | 984.0 | 970.8 | 956.4 | 948.2 |
| 7.5° | 1081.4 | 1070.6 | 1056.7 | 1037.6 | 1020.1 | 999.3 | 986.0 | 974.4 | 955.0 | 934.8 | 922.5 |
| 10° | 1102.8 | 1088.0 | 1070.4 | 1046.9 | 1025.4 | 1000.2 | 982.5 | 964.7 | 942.1 | 918.0 | 902.9 |
| 12.5° | 1121.2 | 1101.4 | 1083.9 | 1053.9 | 1028.4 | 996.8 | 975.8 | 950.9 | 927.1 | 898.4 | 883.5 |
| 15° | 1165.0 | 1128.4 | 1095.2 | 1061.3 | 1030.0 | 985.8 | 962.5 | 928.9 | 897.6 | 862.1 | 845.2 |
| 17.5° | 1198.8 | 1157.7 | 1105.5 | 1062.4 | 1025.8 | 976.9 | 942.6 | 902.4 | 865.4 | 824.9 | 801.8 |
| 20° | 1218.2 | 1171.0 | 1114.8 | 1063.6 | 1019.8 | 964.0 | 926.7 | 885.6 | 842.1 | 796.5 | 771.6 |
| 22.5° | 1229.6 | 1180.1 | 1124.5 | 1059.0 | 1007.7 | 953.4 | 906.5 | 861.4 | 817.4 | 768.2 | 742.0 |
| 25° | 1233.2 | 1188.0 | 1129.1 | 1055.2 | 992.6 | 931.2 | 874.5 | 830.8 | 777.7 | 731.6 | 693.6 |
| 27.5° | 1215.3 | 1182.9 | 1126.3 | 1048.1 | 975.2 | 903.3 | 840.3 | 790.7 | 734.6 | 684.7 | 646.3 |
| 30° | 1193.3 | 1174.4 | 1119.3 | 1040.9 | 961.3 | 884.0 | 814.7 | 758.4 | 702.7 | 652.1 | 612.9 |
| 32.5° | 1159.2 | 1155.1 | 1106.7 | 1030.7 | 946.5 | 859.6 | 787.8 | 730.9 | 669.1 | 619.5 | 582.1 |
| 35° | 1092.2 | 1110.3 | 1079.7 | 1007.7 | 918.7 | 824.9 | 747.1 | 682.3 | 618.1 | 570.6 | 535.5 |
| 37.5° | 1002.5 | 1047.4 | 1039.5 | 974.1 | 881.1 | 787.0 | 701.1 | 633.4 | 572.3 | 524.3 | 489.9 |
| 40° | 940.6 | 997.9 | 1006.2 | 948.5 | 854.6 | 757.7 | 666.8 | 599.3 | 539.7 | 495.9 | 461.2 |
| 42.5° | 874.2 | 941.2 | 964.0 | 917.8 | 825.7 | 726.9 | 636.0 | 566.1 | 507.2 | 464.5 | 433.8 |
| 45° | 763.0 | 851.6 | 892.7 | 866.3 | 777.3 | 676.2 | 582.7 | 511.8 | 458.3 | 418.3 | 394.5 |
| 47.5° | 658.9 | 755.8 | 811.1 | 801.7 | 723.5 | 623.4 | 531.0 | 462.9 | 410.8 | 378.9 | 357.6 |
| 50° | 585.3 | 684.9 | 751.6 | 754.7 | 684.9 | 585.7 | 492.9 | 428.8 | 380.9 | 351.1 | 333.8 |
| 52.5° | 521.4 | 616.4 | 689.2 | 705.2 | 641.8 | 546.4 | 458.8 | 395.1 | 352.8 | 325.5 | 309.9 |
| 55° | 437.9 | 518.2 | 599.0 | 628.3 | 577.4 | 486.9 | 405.8 | 349.6 | 310.0 | 291.1 | 277.6 |
| 57.5° | 364.1 | 431.0 | 505.5 | 538.1 | 506.6 | 429.2 | 353.1 | 304.4 | 272.3 | 255.7 | 245.3 |
| 60° | 325.1 | 377.9 | 444.2 | 483.1 | 456.0 | 387.0 | 320.5 | 274.2 | 247.8 | 233.1 | 223.3 |
| 62.5° | 288.9 | 335.7 | 391.7 | 427.3 | 412.5 | 347.4 | 288.0 | 247.0 | 224.3 | 210.5 | 203.4 |
| 65° | 238.3 | 275.3 | 318.7 | 351.5 | 341.7 | 292.3 | 243.7 | 208.5 | 190.5 | 179.6 | 173.9 |
| 67.5° | 196.2 | 223.0 | 253.1 | 281.8 | 273.9 | 238.8 | 199.9 | 172.5 | 159.0 | 149.6 | 146.2 |
| 70° | 169.8 | 190.1 | 216.8 | 239.8 | 233.5 | 204.8 | 173.9 | 150.5 | 138.8 | 130.9 | 127.4 |
| 72.5° | 144.4 | 161.1 | 181.6 | 200.4 | 196.0 | 172.2 | 146.4 | 128.8 | 119.8 | 112.5 | 109.7 |
| 75° | 109.0 | 121.8 | 134.3 | 146.7 | 145.6 | 127.1 | 112.0 | 98.5 | 91.3 | 85.6 | 84.5 |
| 77.5° | 80.5 | 87.7 | 96.1 | 103.5 | 101.5 | 90.9 | 79.1 | 71.3 | 66.0 | 62.2 | 61.6 |
| 80° | 61.5 | 65.6 | 71.7 | 77.0 | 74.3 | 69.8 | 60.4 | 54.7 | 50.9 | 47.2 | 45.6 |
| 82.5° | 44.5 | 48.8 | 52.3 | 55.2 | 53.2 | 49.0 | 43.1 | 39.3 | 37.1 | 34.4 | 33.8 |
| 85° | 23.4 | 25.7 | 27.2 | 27.9 | 27.2 | 24.5 | 21.9 | 20.4 | 18.5 | 17.4 | 17.0 |
| 87.5° | 11.4 | 11.2 | 10.9 | 11.2 | 10.0 | 9.6 | 8.1 | 6.8 | 6.9 | 6.9 | 6.7 |
| 90° | 11.9 | 10.6 | 9.3 | 7.8 | 6.1 | 4.2 | 2.5 | 0.7 | 2.5 | 4.2 | 6.1 |
| 92.5° | 15.5 | 14.8 | 14.2 | 13.9 | 14.1 | 14.2 | 14.4 | 14.5 | 14.4 | 14.2 | 14.1 |
| 95° | 26.0 | 24.8 | 23.6 | 25.8 | 31.1 | 36.4 | 41.7 | 47.0 | 41.7 | 36.4 | 31.1 |
| 97.5° | 32.5 | 29.9 | 27.3 | 33.4 | 48.4 | 63.3 | 78.3 | 93.2 | 78.3 | 63.3 | 48.4 |
| 100° | 35.7 | 33.0 | 30.3 | 39.9 | 61.9 | 83.9 | 105.8 | 127.8 | 105.8 | 83.9 | 61.9 |
| 102.5° | 88.0 | 110.8 | 133.6 | 147.3 | 152.1 | 156.7 | 161.4 | 166.0 | 161.4 | 156.7 | 152.1 |
| 105° | 131.7 | 175.5 | 219.3 | 238.8 | 234.1 | 229.2 | 224.4 | 219.6 | 224.4 | 229.2 | 234.1 |
| 107.5° | 166.8 | 219.3 | 272.0 | 296.3 | 292.4 | 288.5 | 284.6 | 280.7 | 284.6 | 288.5 | 292.4 |
| 110° | 219.2 | 265.6 | 311.9 | 333.5 | 330.1 | 326.8 | 323.4 | 320.0 | 323.4 | 326.8 | 330.1 |



TEST NUMBER: P331303-840

CATALOG NUMBER: SA2XXDIP-C485D725U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|-------|-------|
| 112.5° | 341.7 | 353.3 | 364.7 | 368.9 | 366.0 | 362.9 | 360.0 | 357.0 | 360.0 | 362.9 | 366.0 |
| 115° | 437.7 | 433.6 | 429.7 | 426.3 | 423.5 | 420.8 | 418.1 | 415.4 | 418.1 | 420.8 | 423.5 |
| 117.5° | 488.2 | 485.4 | 482.6 | 479.7 | 476.7 | 473.6 | 470.6 | 467.6 | 470.6 | 473.6 | 476.7 |
| 120° | 523.7 | 520.9 | 518.0 | 515.3 | 512.9 | 510.5 | 508.1 | 505.6 | 508.1 | 510.5 | 512.9 |
| 122.5° | 557.3 | 554.2 | 551.0 | 548.2 | 545.6 | 543.1 | 540.6 | 538.1 | 540.6 | 543.1 | 545.6 |
| 125° | 604.3 | 601.3 | 598.2 | 595.6 | 593.6 | 591.5 | 589.4 | 587.3 | 589.4 | 591.5 | 593.6 |
| 127.5° | 648.0 | 645.8 | 643.5 | 641.2 | 638.8 | 636.6 | 634.3 | 632.0 | 634.3 | 636.6 | 638.8 |
| 130° | 676.2 | 674.5 | 672.7 | 670.6 | 667.9 | 665.4 | 662.9 | 660.2 | 662.9 | 665.4 | 667.9 |
| 132.5° | 703.4 | 701.7 | 699.8 | 697.9 | 695.7 | 693.6 | 691.4 | 689.1 | 691.4 | 693.6 | 695.7 |
| 135° | 741.8 | 740.4 | 739.0 | 737.0 | 734.5 | 731.8 | 729.3 | 726.7 | 729.3 | 731.8 | 734.5 |
| 137.5° | 776.9 | 775.3 | 773.7 | 771.9 | 770.1 | 768.3 | 766.5 | 764.8 | 766.5 | 768.3 | 770.1 |
| 140° | 799.8 | 798.0 | 796.3 | 794.7 | 793.5 | 792.1 | 790.8 | 789.6 | 790.8 | 792.1 | 793.5 |
| 142.5° | 820.6 | 818.6 | 816.6 | 815.0 | 813.9 | 812.7 | 811.5 | 810.4 | 811.5 | 812.7 | 813.9 |
| 145° | 849.1 | 846.4 | 843.6 | 842.4 | 842.5 | 842.7 | 842.8 | 843.0 | 842.8 | 842.7 | 842.5 |
| 147.5° | 875.5 | 872.8 | 870.1 | 869.1 | 869.7 | 870.3 | 870.9 | 871.5 | 870.9 | 870.3 | 869.7 |
| 150° | 891.3 | 888.8 | 886.3 | 885.4 | 886.7 | 887.8 | 888.9 | 890.0 | 888.9 | 887.8 | 886.7 |
| 152.5° | 906.1 | 903.6 | 901.2 | 900.6 | 901.8 | 903.1 | 904.3 | 905.5 | 904.3 | 903.1 | 901.8 |
| 155° | 926.6 | 924.6 | 922.7 | 922.5 | 923.9 | 925.3 | 926.9 | 928.3 | 926.9 | 925.3 | 923.9 |
| 157.5° | 943.9 | 942.6 | 941.2 | 941.2 | 942.4 | 943.6 | 944.8 | 946.0 | 944.8 | 943.6 | 942.4 |
| 160° | 954.5 | 953.5 | 952.6 | 952.6 | 953.5 | 954.5 | 955.4 | 956.4 | 955.4 | 954.5 | 953.5 |
| 162.5° | 963.4 | 962.6 | 961.8 | 961.8 | 962.8 | 963.8 | 964.7 | 965.7 | 964.7 | 963.8 | 962.8 |
| 165° | 975.0 | 974.5 | 974.0 | 974.2 | 975.2 | 976.2 | 977.1 | 978.2 | 977.1 | 976.2 | 975.2 |
| 167.5° | 984.1 | 983.7 | 983.2 | 983.5 | 984.5 | 985.4 | 986.4 | 987.3 | 986.4 | 985.4 | 984.5 |
| 170° | 989.1 | 988.8 | 988.4 | 988.8 | 989.7 | 990.7 | 991.6 | 992.6 | 991.6 | 990.7 | 989.7 |
| 172.5° | 992.5 | 992.2 | 991.9 | 992.2 | 993.1 | 994.1 | 995.0 | 996.0 | 995.0 | 994.1 | 993.1 |
| 175° | 996.2 | 995.9 | 995.6 | 996.0 | 997.1 | 998.3 | 999.4 | 1000.5 | 999.4 | 998.3 | 997.1 |
| 177.5° | 997.5 | 997.3 | 997.2 | 997.6 | 998.6 | 999.5 | 1000.4 | 1001.3 | 1000.4 | 999.5 | 998.6 |
| 180° | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 |



TEST NUMBER: P331303-840

CATALOG NUMBER: SA2XXDIP-C485D725U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 |
| 2.5° | 968.4 | 966.5 | 960.2 | 956.8 | 951.5 | 946.3 | 943.0 | 944.5 | 945.7 | 945.1 | 944.2 |
| 5° | 940.6 | 933.4 | 922.5 | 913.0 | 906.3 | 893.8 | 888.6 | 886.0 | 883.6 | 881.0 | 878.4 |
| 7.5° | 907.6 | 896.3 | 880.6 | 867.2 | 854.4 | 839.0 | 830.2 | 824.9 | 819.4 | 813.4 | 808.2 |
| 10° | 884.0 | 868.2 | 851.6 | 832.7 | 817.7 | 803.7 | 791.2 | 782.9 | 775.4 | 768.2 | 763.0 |
| 12.5° | 859.3 | 841.0 | 820.5 | 794.8 | 778.1 | 758.1 | 756.3 | 741.6 | 729.8 | 725.4 | 719.2 |
| 15° | 819.9 | 794.3 | 768.2 | 737.7 | 724.5 | 706.4 | 695.1 | 683.8 | 673.6 | 666.4 | 664.5 |
| 17.5° | 775.2 | 741.9 | 716.1 | 694.2 | 672.6 | 654.0 | 643.6 | 634.5 | 626.1 | 616.5 | 615.3 |
| 20° | 741.0 | 712.5 | 684.2 | 664.9 | 642.7 | 623.8 | 611.0 | 601.9 | 594.7 | 589.1 | 584.2 |
| 22.5° | 708.8 | 677.4 | 651.6 | 630.5 | 608.5 | 593.3 | 583.2 | 574.5 | 568.6 | 562.3 | 557.6 |
| 25° | 657.0 | 632.5 | 604.2 | 580.5 | 562.3 | 552.5 | 544.2 | 536.6 | 532.9 | 528.8 | 523.5 |
| 27.5° | 611.7 | 584.4 | 558.0 | 539.6 | 523.6 | 514.9 | 509.1 | 503.9 | 500.4 | 498.0 | 494.9 |
| 30° | 579.7 | 552.1 | 531.4 | 513.3 | 500.1 | 491.4 | 487.7 | 484.6 | 480.5 | 479.0 | 477.5 |
| 32.5° | 548.9 | 524.1 | 506.3 | 490.7 | 478.1 | 472.4 | 469.0 | 466.3 | 463.0 | 461.5 | 458.5 |
| 35° | 505.3 | 484.6 | 467.3 | 458.6 | 448.4 | 443.5 | 440.9 | 437.1 | 434.1 | 432.6 | 432.2 |
| 37.5° | 464.4 | 446.4 | 434.9 | 423.8 | 419.5 | 416.5 | 412.9 | 410.3 | 409.4 | 409.2 | 408.8 |
| 40° | 437.9 | 423.1 | 412.9 | 403.9 | 402.0 | 397.5 | 394.5 | 392.2 | 392.2 | 392.6 | 392.2 |
| 42.5° | 413.7 | 400.5 | 391.5 | 383.7 | 381.5 | 378.8 | 375.8 | 375.7 | 376.3 | 377.5 | 376.3 |
| 45° | 377.2 | 367.7 | 361.3 | 357.5 | 353.4 | 350.7 | 350.3 | 351.5 | 351.8 | 352.2 | 353.4 |
| 47.5° | 343.5 | 337.2 | 331.4 | 327.3 | 325.5 | 325.0 | 324.6 | 326.5 | 328.3 | 329.0 | 330.7 |
| 50° | 323.6 | 316.4 | 311.5 | 308.9 | 307.4 | 306.6 | 307.4 | 309.6 | 311.1 | 313.1 | 314.2 |
| 52.5° | 301.2 | 296.2 | 292.9 | 290.7 | 290.1 | 290.6 | 290.7 | 293.4 | 295.8 | 296.4 | 297.0 |
| 55° | 270.4 | 266.6 | 265.9 | 262.5 | 264.0 | 263.6 | 265.5 | 267.0 | 269.2 | 271.6 | 272.0 |
| 57.5° | 239.6 | 236.6 | 234.6 | 234.9 | 235.3 | 237.0 | 238.5 | 241.3 | 243.7 | 246.0 | 246.3 |
| 60° | 219.1 | 217.6 | 216.5 | 216.5 | 217.2 | 219.5 | 221.4 | 224.0 | 225.5 | 227.0 | 228.1 |
| 62.5° | 200.5 | 198.9 | 197.7 | 198.3 | 200.4 | 201.7 | 203.9 | 205.3 | 206.8 | 208.3 | 208.8 |
| 65° | 170.9 | 170.1 | 171.3 | 172.0 | 172.4 | 174.2 | 176.9 | 178.0 | 179.6 | 180.3 | 182.9 |
| 67.5° | 143.6 | 143.8 | 143.6 | 144.7 | 146.8 | 147.3 | 149.8 | 152.5 | 152.8 | 154.2 | 155.9 |
| 70° | 125.2 | 125.9 | 126.7 | 127.4 | 129.4 | 130.1 | 132.0 | 133.1 | 134.6 | 135.7 | 136.9 |
| 72.5° | 108.4 | 108.5 | 109.3 | 109.1 | 110.7 | 112.3 | 113.9 | 115.0 | 116.5 | 118.0 | 119.1 |
| 75° | 83.3 | 83.3 | 84.1 | 84.5 | 86.3 | 88.3 | 87.9 | 88.7 | 90.2 | 91.7 | 92.4 |
| 77.5° | 60.9 | 60.1 | 60.9 | 61.2 | 61.8 | 63.4 | 63.7 | 64.8 | 66.6 | 66.0 | 66.9 |
| 80° | 46.4 | 45.2 | 46.4 | 46.8 | 46.8 | 48.7 | 48.7 | 49.4 | 50.5 | 49.4 | 50.5 |
| 82.5° | 33.1 | 32.6 | 33.4 | 33.5 | 34.1 | 34.1 | 34.7 | 34.9 | 36.1 | 35.5 | 36.1 |
| 85° | 16.6 | 16.3 | 16.6 | 16.3 | 16.6 | 17.0 | 17.0 | 16.6 | 16.6 | 17.4 | 16.3 |
| 87.5° | 6.7 | 6.7 | 6.7 | 6.9 | 6.9 | 6.8 | 6.7 | 6.9 | 7.0 | 6.6 | 6.7 |
| 90° | 7.8 | 9.3 | 10.6 | 11.9 | 13.1 | 14.4 | 15.2 | 16.1 | 16.9 | 17.7 | 18.2 |
| 92.5° | 13.9 | 14.2 | 14.8 | 15.5 | 16.2 | 16.8 | 17.2 | 17.6 | 18.0 | 18.4 | 18.8 |
| 95° | 25.8 | 23.6 | 24.8 | 26.0 | 27.1 | 28.2 | 29.0 | 29.8 | 30.6 | 31.4 | 31.7 |
| 97.5° | 33.4 | 27.3 | 29.9 | 32.5 | 35.1 | 37.7 | 38.4 | 39.0 | 39.6 | 40.3 | 40.7 |
| 100° | 39.9 | 30.3 | 33.0 | 35.7 | 38.5 | 41.2 | 42.4 | 43.7 | 45.0 | 46.4 | 47.2 |
| 102.5° | 147.3 | 133.6 | 110.8 | 88.0 | 65.1 | 42.3 | 44.0 | 45.6 | 47.4 | 49.0 | 50.1 |
| 105° | 238.8 | 219.3 | 175.5 | 131.7 | 87.9 | 44.0 | 45.8 | 47.6 | 49.4 | 51.1 | 52.3 |
| 107.5° | 296.3 | 272.0 | 219.3 | 166.8 | 114.2 | 61.7 | 59.9 | 58.1 | 56.2 | 54.5 | 53.9 |
| 110° | 333.5 | 311.9 | 265.6 | 219.2 | 172.8 | 126.4 | 110.4 | 94.3 | 78.3 | 62.2 | 54.5 |



TEST NUMBER: P331303-840

CATALOG NUMBER: SA2XXDIP-C485D725U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 112.5° | 368.9 | 364.7 | 353.3 | 341.7 | 330.3 | 318.8 | 260.3 | 201.8 | 143.2 | 84.6 | 55.5 |
| 115° | 426.3 | 429.7 | 433.6 | 437.7 | 441.7 | 445.8 | 371.4 | 297.1 | 222.8 | 148.5 | 105.4 |
| 117.5° | 479.7 | 482.6 | 485.4 | 488.2 | 490.9 | 493.7 | 475.7 | 457.8 | 439.7 | 421.7 | 393.7 |
| 120° | 515.3 | 518.0 | 520.9 | 523.7 | 526.6 | 529.5 | 531.4 | 533.4 | 535.3 | 537.2 | 527.4 |
| 122.5° | 548.2 | 551.0 | 554.2 | 557.3 | 560.5 | 563.6 | 564.7 | 565.9 | 567.0 | 568.3 | 566.7 |
| 125° | 595.6 | 598.2 | 601.3 | 604.3 | 607.3 | 610.5 | 611.6 | 612.7 | 613.8 | 614.9 | 615.7 |
| 127.5° | 641.2 | 643.5 | 645.8 | 648.0 | 650.4 | 652.6 | 654.3 | 655.9 | 657.5 | 659.1 | 660.0 |
| 130° | 670.6 | 672.7 | 674.5 | 676.2 | 678.0 | 679.7 | 681.6 | 683.3 | 685.1 | 686.8 | 687.6 |
| 132.5° | 697.9 | 699.8 | 701.7 | 703.4 | 705.2 | 706.9 | 708.4 | 709.9 | 711.4 | 713.0 | 713.7 |
| 135° | 737.0 | 739.0 | 740.4 | 741.8 | 743.4 | 744.8 | 746.4 | 748.0 | 749.6 | 751.2 | 751.8 |
| 137.5° | 771.9 | 773.7 | 775.3 | 776.9 | 778.5 | 780.2 | 781.7 | 783.4 | 784.9 | 786.5 | 787.0 |
| 140° | 794.7 | 796.3 | 798.0 | 799.8 | 801.5 | 803.3 | 804.8 | 806.2 | 807.6 | 809.1 | 809.4 |
| 142.5° | 815.0 | 816.6 | 818.6 | 820.6 | 822.6 | 824.7 | 826.0 | 827.3 | 828.6 | 829.9 | 830.2 |
| 145° | 842.4 | 843.6 | 846.4 | 849.1 | 851.8 | 854.5 | 855.8 | 856.9 | 858.0 | 859.1 | 859.2 |
| 147.5° | 869.1 | 870.1 | 872.8 | 875.5 | 878.2 | 880.9 | 881.7 | 882.5 | 883.4 | 884.2 | 884.3 |
| 150° | 885.4 | 886.3 | 888.8 | 891.3 | 893.9 | 896.5 | 897.5 | 898.4 | 899.4 | 900.3 | 900.4 |
| 152.5° | 900.6 | 901.2 | 903.6 | 906.1 | 908.5 | 910.9 | 911.9 | 912.8 | 913.8 | 914.8 | 914.7 |
| 155° | 922.5 | 922.7 | 924.6 | 926.6 | 928.5 | 930.4 | 931.4 | 932.4 | 933.3 | 934.3 | 934.1 |
| 157.5° | 941.2 | 941.2 | 942.6 | 943.9 | 945.2 | 946.6 | 947.8 | 948.8 | 949.9 | 951.0 | 950.9 |
| 160° | 952.6 | 952.6 | 953.5 | 954.5 | 955.4 | 956.4 | 957.5 | 958.4 | 959.4 | 960.3 | 960.2 |
| 162.5° | 961.8 | 961.8 | 962.6 | 963.4 | 964.3 | 965.1 | 966.2 | 967.2 | 968.4 | 969.5 | 969.4 |
| 165° | 974.2 | 974.0 | 974.5 | 975.0 | 975.4 | 975.9 | 977.0 | 978.2 | 979.4 | 980.5 | 980.5 |
| 167.5° | 983.5 | 983.2 | 983.7 | 984.1 | 984.6 | 985.0 | 986.1 | 987.3 | 988.5 | 989.6 | 989.4 |
| 170° | 988.8 | 988.4 | 988.8 | 989.1 | 989.4 | 989.7 | 990.8 | 991.9 | 993.0 | 994.2 | 994.0 |
| 172.5° | 992.2 | 991.9 | 992.2 | 992.5 | 992.8 | 993.1 | 994.3 | 995.4 | 996.5 | 997.6 | 997.4 |
| 175° | 996.0 | 995.6 | 995.9 | 996.2 | 996.5 | 996.9 | 998.0 | 999.2 | 1000.3 | 1001.4 | 1001.2 |
| 177.5° | 997.6 | 997.2 | 997.3 | 997.5 | 997.6 | 997.7 | 998.7 | 999.6 | 1000.5 | 1001.4 | 1001.3 |
| 180° | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 |



TEST NUMBER: P331303-840

CATALOG NUMBER: SA2XXDIP-C485D725U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 |
| 2.5° | 941.2 | 940.6 | 940.6 | 937.9 | 940.6 | 940.6 | 941.2 | 944.2 | 945.1 | 945.7 | 944.5 |
| 5° | 873.1 | 871.9 | 870.1 | 871.9 | 870.1 | 871.9 | 873.1 | 878.4 | 881.0 | 883.6 | 886.0 |
| 7.5° | 805.8 | 801.2 | 800.5 | 796.1 | 800.5 | 801.2 | 805.8 | 808.2 | 813.4 | 819.4 | 824.9 |
| 10° | 756.6 | 753.6 | 753.2 | 746.0 | 753.2 | 753.6 | 756.6 | 763.0 | 768.2 | 775.4 | 782.9 |
| 12.5° | 719.1 | 711.9 | 713.4 | 709.2 | 713.4 | 711.9 | 719.1 | 719.2 | 725.4 | 729.8 | 741.6 |
| 15° | 654.3 | 654.3 | 652.9 | 646.4 | 652.9 | 654.3 | 654.3 | 664.5 | 666.4 | 673.6 | 683.8 |
| 17.5° | 607.8 | 607.0 | 603.4 | 605.2 | 603.4 | 607.0 | 607.8 | 615.3 | 616.5 | 626.1 | 634.5 |
| 20° | 580.1 | 577.7 | 573.3 | 573.3 | 573.3 | 577.7 | 580.1 | 584.2 | 589.1 | 594.7 | 601.9 |
| 22.5° | 553.8 | 553.6 | 548.9 | 550.4 | 548.9 | 553.6 | 553.8 | 557.6 | 562.3 | 568.6 | 574.5 |
| 25° | 523.1 | 520.1 | 517.9 | 519.0 | 517.9 | 520.1 | 523.1 | 523.5 | 528.8 | 532.9 | 536.6 |
| 27.5° | 494.0 | 492.3 | 492.2 | 489.1 | 492.2 | 492.3 | 494.0 | 494.9 | 498.0 | 500.4 | 503.9 |
| 30° | 477.1 | 473.3 | 474.0 | 472.2 | 474.0 | 473.3 | 477.1 | 477.5 | 479.0 | 480.5 | 484.6 |
| 32.5° | 457.8 | 456.5 | 455.7 | 454.0 | 455.7 | 456.5 | 457.8 | 458.5 | 461.5 | 463.0 | 466.3 |
| 35° | 431.4 | 431.8 | 429.9 | 430.7 | 429.9 | 431.8 | 431.4 | 432.2 | 432.6 | 434.1 | 437.1 |
| 37.5° | 408.5 | 409.7 | 408.8 | 409.0 | 408.8 | 409.7 | 408.5 | 408.8 | 409.2 | 409.4 | 410.3 |
| 40° | 393.3 | 393.3 | 393.3 | 394.5 | 393.3 | 393.3 | 393.3 | 392.2 | 392.6 | 392.2 | 392.2 |
| 42.5° | 378.9 | 378.3 | 377.7 | 377.6 | 377.7 | 378.3 | 378.9 | 376.3 | 377.5 | 376.3 | 375.7 |
| 45° | 354.2 | 355.3 | 355.7 | 353.8 | 355.7 | 355.3 | 354.2 | 353.4 | 352.2 | 351.8 | 351.5 |
| 47.5° | 331.7 | 331.8 | 331.7 | 333.4 | 331.7 | 331.8 | 331.7 | 330.7 | 329.0 | 328.3 | 326.5 |
| 50° | 316.1 | 315.3 | 316.1 | 315.3 | 316.1 | 315.3 | 316.1 | 314.2 | 313.1 | 311.1 | 309.6 |
| 52.5° | 299.4 | 299.6 | 299.1 | 299.0 | 299.1 | 299.6 | 299.4 | 297.0 | 296.4 | 295.8 | 293.4 |
| 55° | 273.5 | 274.2 | 273.8 | 273.8 | 273.8 | 274.2 | 273.5 | 272.0 | 271.6 | 269.2 | 267.0 |
| 57.5° | 246.5 | 247.2 | 247.7 | 246.0 | 247.7 | 247.2 | 246.5 | 246.3 | 246.0 | 243.7 | 241.3 |
| 60° | 227.8 | 229.6 | 229.3 | 228.5 | 229.3 | 229.6 | 227.8 | 228.1 | 227.0 | 225.5 | 224.0 |
| 62.5° | 210.6 | 211.3 | 211.2 | 211.1 | 211.2 | 211.3 | 210.6 | 208.8 | 208.3 | 206.8 | 205.3 |
| 65° | 184.0 | 184.8 | 183.7 | 184.8 | 183.7 | 184.8 | 184.0 | 182.9 | 180.3 | 179.6 | 178.0 |
| 67.5° | 155.4 | 155.7 | 156.5 | 157.0 | 156.5 | 155.7 | 155.4 | 155.9 | 154.2 | 152.8 | 152.5 |
| 70° | 137.6 | 137.2 | 138.5 | 139.6 | 138.5 | 137.2 | 137.6 | 136.9 | 135.7 | 134.6 | 133.1 |
| 72.5° | 119.0 | 119.8 | 119.4 | 120.3 | 119.4 | 119.8 | 119.0 | 119.1 | 118.0 | 116.5 | 115.0 |
| 75° | 91.7 | 92.8 | 92.4 | 93.5 | 92.4 | 92.8 | 91.7 | 92.4 | 91.7 | 90.2 | 88.7 |
| 77.5° | 66.2 | 66.3 | 66.2 | 66.9 | 66.2 | 66.3 | 66.2 | 66.9 | 66.0 | 66.6 | 64.8 |
| 80° | 50.5 | 49.8 | 49.0 | 50.5 | 49.0 | 49.8 | 50.5 | 50.5 | 49.4 | 50.5 | 49.4 |
| 82.5° | 35.1 | 35.6 | 34.8 | 34.8 | 34.8 | 35.6 | 35.1 | 36.1 | 35.5 | 36.1 | 34.9 |
| 85° | 16.3 | 15.9 | 15.0 | 15.0 | 15.0 | 15.9 | 16.3 | 16.3 | 17.4 | 16.6 | 16.6 |
| 87.5° | 6.8 | 6.5 | 6.6 | 6.4 | 6.6 | 6.5 | 6.8 | 6.7 | 6.6 | 7.0 | 6.9 |
| 90° | 18.6 | 18.9 | 19.2 | 19.5 | 19.2 | 18.9 | 18.6 | 18.2 | 17.7 | 16.9 | 16.1 |
| 92.5° | 18.9 | 19.1 | 19.3 | 19.5 | 19.3 | 19.1 | 18.9 | 18.8 | 18.4 | 18.0 | 17.6 |
| 95° | 31.5 | 31.4 | 31.2 | 31.1 | 31.2 | 31.4 | 31.5 | 31.7 | 31.4 | 30.6 | 29.8 |
| 97.5° | 40.9 | 41.1 | 41.3 | 41.5 | 41.3 | 41.1 | 40.9 | 40.7 | 40.3 | 39.6 | 39.0 |
| 100° | 47.5 | 47.8 | 48.1 | 48.4 | 48.1 | 47.8 | 47.5 | 47.2 | 46.4 | 45.0 | 43.7 |
| 102.5° | 50.5 | 51.0 | 51.4 | 51.9 | 51.4 | 51.0 | 50.5 | 50.1 | 49.0 | 47.4 | 45.6 |
| 105° | 53.0 | 53.6 | 54.2 | 54.9 | 54.2 | 53.6 | 53.0 | 52.3 | 51.1 | 49.4 | 47.6 |
| 107.5° | 54.5 | 55.2 | 55.8 | 56.5 | 55.8 | 55.2 | 54.5 | 53.9 | 54.5 | 56.2 | 58.1 |
| 110° | 55.1 | 55.7 | 56.5 | 57.1 | 56.5 | 55.7 | 55.1 | 54.5 | 62.2 | 78.3 | 94.3 |



TEST NUMBER: P331303-840
 CATALOG NUMBER: SA2XXDIP-C485D725U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|
| 112.5° | 56.1 | 56.7 | 57.2 | 57.7 | 57.2 | 56.7 | 56.1 | 55.5 | 84.6 | 143.2 | 201.8 |
| 115° | 93.9 | 82.3 | 70.8 | 59.3 | 70.8 | 82.3 | 93.9 | 105.4 | 148.5 | 222.8 | 297.1 |
| 117.5° | 355.8 | 317.8 | 279.8 | 241.9 | 279.8 | 317.8 | 355.8 | 393.7 | 421.7 | 439.7 | 457.8 |
| 120° | 505.6 | 484.0 | 462.3 | 440.7 | 462.3 | 484.0 | 505.6 | 527.4 | 537.2 | 535.3 | 533.4 |
| 122.5° | 562.5 | 558.3 | 554.1 | 549.9 | 554.1 | 558.3 | 562.5 | 566.7 | 568.3 | 567.0 | 565.9 |
| 125° | 616.2 | 616.7 | 617.1 | 617.6 | 617.1 | 616.7 | 616.2 | 615.7 | 614.9 | 613.8 | 612.7 |
| 127.5° | 660.1 | 660.2 | 660.4 | 660.5 | 660.4 | 660.2 | 660.1 | 660.0 | 659.1 | 657.5 | 655.9 |
| 130° | 687.5 | 687.3 | 687.1 | 687.0 | 687.1 | 687.3 | 687.5 | 687.6 | 686.8 | 685.1 | 683.3 |
| 132.5° | 713.5 | 713.4 | 713.2 | 713.0 | 713.2 | 713.4 | 713.5 | 713.7 | 713.0 | 711.4 | 709.9 |
| 135° | 751.5 | 751.2 | 750.8 | 750.5 | 750.8 | 751.2 | 751.5 | 751.8 | 751.2 | 749.6 | 748.0 |
| 137.5° | 786.5 | 785.9 | 785.4 | 784.8 | 785.4 | 785.9 | 786.5 | 787.0 | 786.5 | 784.9 | 783.4 |
| 140° | 808.6 | 807.8 | 807.0 | 806.2 | 807.0 | 807.8 | 808.6 | 809.4 | 809.1 | 807.6 | 806.2 |
| 142.5° | 829.4 | 828.6 | 827.8 | 827.0 | 827.8 | 828.6 | 829.4 | 830.2 | 829.9 | 828.6 | 827.3 |
| 145° | 858.5 | 857.7 | 856.9 | 856.1 | 856.9 | 857.7 | 858.5 | 859.2 | 859.1 | 858.0 | 856.9 |
| 147.5° | 883.6 | 882.9 | 882.3 | 881.6 | 882.3 | 882.9 | 883.6 | 884.3 | 884.2 | 883.4 | 882.5 |
| 150° | 899.6 | 898.8 | 898.0 | 897.2 | 898.0 | 898.8 | 899.6 | 900.4 | 900.3 | 899.4 | 898.4 |
| 152.5° | 913.7 | 912.6 | 911.6 | 910.5 | 911.6 | 912.6 | 913.7 | 914.7 | 914.8 | 913.8 | 912.8 |
| 155° | 932.8 | 931.6 | 930.3 | 929.0 | 930.3 | 931.6 | 932.8 | 934.1 | 934.3 | 933.3 | 932.4 |
| 157.5° | 949.7 | 948.4 | 947.2 | 945.9 | 947.2 | 948.4 | 949.7 | 950.9 | 951.0 | 949.9 | 948.8 |
| 160° | 959.1 | 958.0 | 956.8 | 955.7 | 956.8 | 958.0 | 959.1 | 960.2 | 960.3 | 959.4 | 958.4 |
| 162.5° | 968.0 | 966.5 | 965.2 | 963.8 | 965.2 | 966.5 | 968.0 | 969.4 | 969.5 | 968.4 | 967.2 |
| 165° | 979.4 | 978.2 | 977.0 | 975.9 | 977.0 | 978.2 | 979.4 | 980.5 | 980.5 | 979.4 | 978.2 |
| 167.5° | 988.0 | 986.5 | 985.0 | 983.6 | 985.0 | 986.5 | 988.0 | 989.4 | 989.6 | 988.5 | 987.3 |
| 170° | 992.6 | 991.1 | 989.7 | 988.3 | 989.7 | 991.1 | 992.6 | 994.0 | 994.2 | 993.0 | 991.9 |
| 172.5° | 996.0 | 994.6 | 993.1 | 991.7 | 993.1 | 994.6 | 996.0 | 997.4 | 997.6 | 996.5 | 995.4 |
| 175° | 999.6 | 997.9 | 996.3 | 994.7 | 996.3 | 997.9 | 999.6 | 1001.2 | 1001.4 | 1000.3 | 999.2 |
| 177.5° | 1000.1 | 999.0 | 997.7 | 996.6 | 997.7 | 999.0 | 1000.1 | 1001.3 | 1001.4 | 1000.5 | 999.6 |
| 180° | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 |



TEST NUMBER: P331303-840
 CATALOG NUMBER: SA2XXDIP-C485D725U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 |
| 2.5° | 943.0 | 946.3 | 951.5 | 956.8 | 960.2 | 966.5 | 968.4 | 971.4 | 974.1 | 980.4 | 987.0 |
| 5° | 888.6 | 893.8 | 906.3 | 913.0 | 922.5 | 933.4 | 940.6 | 948.2 | 956.4 | 970.8 | 984.0 |
| 7.5° | 830.2 | 839.0 | 854.4 | 867.2 | 880.6 | 896.3 | 907.6 | 922.5 | 934.8 | 955.0 | 974.4 |
| 10° | 791.2 | 803.7 | 817.7 | 832.7 | 851.6 | 868.2 | 884.0 | 902.9 | 918.0 | 942.1 | 964.7 |
| 12.5° | 756.3 | 758.1 | 778.1 | 794.8 | 820.5 | 841.0 | 859.3 | 883.5 | 898.4 | 927.1 | 950.9 |
| 15° | 695.1 | 706.4 | 724.5 | 737.7 | 768.2 | 794.3 | 819.9 | 845.2 | 862.1 | 897.6 | 928.9 |
| 17.5° | 643.6 | 654.0 | 672.6 | 694.2 | 716.1 | 741.9 | 775.2 | 801.8 | 824.9 | 865.4 | 902.4 |
| 20° | 611.0 | 623.8 | 642.7 | 664.9 | 684.2 | 712.5 | 741.0 | 771.6 | 796.5 | 842.1 | 885.6 |
| 22.5° | 583.2 | 593.3 | 608.5 | 630.5 | 651.6 | 677.4 | 708.8 | 742.0 | 768.2 | 817.4 | 861.4 |
| 25° | 544.2 | 552.5 | 562.3 | 580.5 | 604.2 | 632.5 | 657.0 | 693.6 | 731.6 | 777.7 | 830.8 |
| 27.5° | 509.1 | 514.9 | 523.6 | 539.6 | 558.0 | 584.4 | 611.7 | 646.3 | 684.7 | 734.6 | 790.7 |
| 30° | 487.7 | 491.4 | 500.1 | 513.3 | 531.4 | 552.1 | 579.7 | 612.9 | 652.1 | 702.7 | 758.4 |
| 32.5° | 469.0 | 472.4 | 478.1 | 490.7 | 506.3 | 524.1 | 548.9 | 582.1 | 619.5 | 669.1 | 730.9 |
| 35° | 440.9 | 443.5 | 448.4 | 458.6 | 467.3 | 484.6 | 505.3 | 535.5 | 570.6 | 618.1 | 682.3 |
| 37.5° | 412.9 | 416.5 | 419.5 | 423.8 | 434.9 | 446.4 | 464.4 | 489.9 | 524.3 | 572.3 | 633.4 |
| 40° | 394.5 | 397.5 | 402.0 | 403.9 | 412.9 | 423.1 | 437.9 | 461.2 | 495.9 | 539.7 | 599.3 |
| 42.5° | 375.8 | 378.8 | 381.5 | 383.7 | 391.5 | 400.5 | 413.7 | 433.8 | 464.5 | 507.2 | 566.1 |
| 45° | 350.3 | 350.7 | 353.4 | 357.5 | 361.3 | 367.7 | 377.2 | 394.5 | 418.3 | 458.3 | 511.8 |
| 47.5° | 324.6 | 325.0 | 325.5 | 327.3 | 331.4 | 337.2 | 343.5 | 357.6 | 378.9 | 410.8 | 462.9 |
| 50° | 307.4 | 306.6 | 307.4 | 308.9 | 311.5 | 316.4 | 323.6 | 333.8 | 351.1 | 380.9 | 428.8 |
| 52.5° | 290.7 | 290.6 | 290.1 | 290.7 | 292.9 | 296.2 | 301.2 | 309.9 | 325.5 | 352.8 | 395.1 |
| 55° | 265.5 | 263.6 | 264.0 | 262.5 | 265.9 | 266.6 | 270.4 | 277.6 | 291.1 | 310.0 | 349.6 |
| 57.5° | 238.5 | 237.0 | 235.3 | 234.9 | 234.6 | 236.6 | 239.6 | 245.3 | 255.7 | 272.3 | 304.4 |
| 60° | 221.4 | 219.5 | 217.2 | 216.5 | 216.5 | 217.6 | 219.1 | 223.3 | 233.1 | 247.8 | 274.2 |
| 62.5° | 203.9 | 201.7 | 200.4 | 198.3 | 197.7 | 198.9 | 200.5 | 203.4 | 210.5 | 224.3 | 247.0 |
| 65° | 176.9 | 174.2 | 172.4 | 172.0 | 171.3 | 170.1 | 170.9 | 173.9 | 179.6 | 190.5 | 208.5 |
| 67.5° | 149.8 | 147.3 | 146.8 | 144.7 | 143.6 | 143.8 | 143.6 | 146.2 | 149.6 | 159.0 | 172.5 |
| 70° | 132.0 | 130.1 | 129.4 | 127.4 | 126.7 | 125.9 | 125.2 | 127.4 | 130.9 | 138.8 | 150.5 |
| 72.5° | 113.9 | 112.3 | 110.7 | 109.1 | 109.3 | 108.5 | 108.4 | 109.7 | 112.5 | 119.8 | 128.8 |
| 75° | 87.9 | 88.3 | 86.3 | 84.5 | 84.1 | 83.3 | 83.3 | 84.5 | 85.6 | 91.3 | 98.5 |
| 77.5° | 63.7 | 63.4 | 61.8 | 61.2 | 60.9 | 60.1 | 60.9 | 61.6 | 62.2 | 66.0 | 71.3 |
| 80° | 48.7 | 48.7 | 46.8 | 46.8 | 46.4 | 45.2 | 46.4 | 45.6 | 47.2 | 50.9 | 54.7 |
| 82.5° | 34.7 | 34.1 | 34.1 | 33.5 | 33.4 | 32.6 | 33.1 | 33.8 | 34.4 | 37.1 | 39.3 |
| 85° | 17.0 | 17.0 | 16.6 | 16.3 | 16.6 | 16.3 | 16.6 | 17.0 | 17.4 | 18.5 | 20.4 |
| 87.5° | 6.7 | 6.8 | 6.9 | 6.9 | 6.7 | 6.7 | 6.7 | 6.7 | 6.9 | 6.9 | 6.8 |
| 90° | 15.2 | 14.4 | 13.1 | 11.9 | 10.6 | 9.3 | 7.8 | 6.1 | 4.2 | 2.5 | 0.7 |
| 92.5° | 17.2 | 16.8 | 16.2 | 15.5 | 14.8 | 14.2 | 13.9 | 14.1 | 14.2 | 14.4 | 14.5 |
| 95° | 29.0 | 28.2 | 27.1 | 26.0 | 24.8 | 23.6 | 25.8 | 31.1 | 36.4 | 41.7 | 47.0 |
| 97.5° | 38.4 | 37.7 | 35.1 | 32.5 | 29.9 | 27.3 | 33.4 | 48.4 | 63.3 | 78.3 | 93.2 |
| 100° | 42.4 | 41.2 | 38.5 | 35.7 | 33.0 | 30.3 | 39.9 | 61.9 | 83.9 | 105.8 | 127.8 |
| 102.5° | 44.0 | 42.3 | 65.1 | 88.0 | 110.8 | 133.6 | 147.3 | 152.1 | 156.7 | 161.4 | 166.0 |
| 105° | 45.8 | 44.0 | 87.9 | 131.7 | 175.5 | 219.3 | 238.8 | 234.1 | 229.2 | 224.4 | 219.6 |
| 107.5° | 59.9 | 61.7 | 114.2 | 166.8 | 219.3 | 272.0 | 296.3 | 292.4 | 288.5 | 284.6 | 280.7 |
| 110° | 110.4 | 126.4 | 172.8 | 219.2 | 265.6 | 311.9 | 333.5 | 330.1 | 326.8 | 323.4 | 320.0 |



TEST NUMBER: P331303-840

CATALOG NUMBER: SA2XXDIP-C485D725U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 112.5° | 260.3 | 318.8 | 330.3 | 341.7 | 353.3 | 364.7 | 368.9 | 366.0 | 362.9 | 360.0 | 357.0 |
| 115° | 371.4 | 445.8 | 441.7 | 437.7 | 433.6 | 429.7 | 426.3 | 423.5 | 420.8 | 418.1 | 415.4 |
| 117.5° | 475.7 | 493.7 | 490.9 | 488.2 | 485.4 | 482.6 | 479.7 | 476.7 | 473.6 | 470.6 | 467.6 |
| 120° | 531.4 | 529.5 | 526.6 | 523.7 | 520.9 | 518.0 | 515.3 | 512.9 | 510.5 | 508.1 | 505.6 |
| 122.5° | 564.7 | 563.6 | 560.5 | 557.3 | 554.2 | 551.0 | 548.2 | 545.6 | 543.1 | 540.6 | 538.1 |
| 125° | 611.6 | 610.5 | 607.3 | 604.3 | 601.3 | 598.2 | 595.6 | 593.6 | 591.5 | 589.4 | 587.3 |
| 127.5° | 654.3 | 652.6 | 650.4 | 648.0 | 645.8 | 643.5 | 641.2 | 638.8 | 636.6 | 634.3 | 632.0 |
| 130° | 681.6 | 679.7 | 678.0 | 676.2 | 674.5 | 672.7 | 670.6 | 667.9 | 665.4 | 662.9 | 660.2 |
| 132.5° | 708.4 | 706.9 | 705.2 | 703.4 | 701.7 | 699.8 | 697.9 | 695.7 | 693.6 | 691.4 | 689.1 |
| 135° | 746.4 | 744.8 | 743.4 | 741.8 | 740.4 | 739.0 | 737.0 | 734.5 | 731.8 | 729.3 | 726.7 |
| 137.5° | 781.7 | 780.2 | 778.5 | 776.9 | 775.3 | 773.7 | 771.9 | 770.1 | 768.3 | 766.5 | 764.8 |
| 140° | 804.8 | 803.3 | 801.5 | 799.8 | 798.0 | 796.3 | 794.7 | 793.5 | 792.1 | 790.8 | 789.6 |
| 142.5° | 826.0 | 824.7 | 822.6 | 820.6 | 818.6 | 816.6 | 815.0 | 813.9 | 812.7 | 811.5 | 810.4 |
| 145° | 855.8 | 854.5 | 851.8 | 849.1 | 846.4 | 843.6 | 842.4 | 842.5 | 842.7 | 842.8 | 843.0 |
| 147.5° | 881.7 | 880.9 | 878.2 | 875.5 | 872.8 | 870.1 | 869.1 | 869.7 | 870.3 | 870.9 | 871.5 |
| 150° | 897.5 | 896.5 | 893.9 | 891.3 | 888.8 | 886.3 | 885.4 | 886.7 | 887.8 | 888.9 | 890.0 |
| 152.5° | 911.9 | 910.9 | 908.5 | 906.1 | 903.6 | 901.2 | 900.6 | 901.8 | 903.1 | 904.3 | 905.5 |
| 155° | 931.4 | 930.4 | 928.5 | 926.6 | 924.6 | 922.7 | 922.5 | 923.9 | 925.3 | 926.9 | 928.3 |
| 157.5° | 947.8 | 946.6 | 945.2 | 943.9 | 942.6 | 941.2 | 941.2 | 942.4 | 943.6 | 944.8 | 946.0 |
| 160° | 957.5 | 956.4 | 955.4 | 954.5 | 953.5 | 952.6 | 952.6 | 953.5 | 954.5 | 955.4 | 956.4 |
| 162.5° | 966.2 | 965.1 | 964.3 | 963.4 | 962.6 | 961.8 | 961.8 | 962.8 | 963.8 | 964.7 | 965.7 |
| 165° | 977.0 | 975.9 | 975.4 | 975.0 | 974.5 | 974.0 | 974.2 | 975.2 | 976.2 | 977.1 | 978.2 |
| 167.5° | 986.1 | 985.0 | 984.6 | 984.1 | 983.7 | 983.2 | 983.5 | 984.5 | 985.4 | 986.4 | 987.3 |
| 170° | 990.8 | 989.7 | 989.4 | 989.1 | 988.8 | 988.4 | 988.8 | 989.7 | 990.7 | 991.6 | 992.6 |
| 172.5° | 994.3 | 993.1 | 992.8 | 992.5 | 992.2 | 991.9 | 992.2 | 993.1 | 994.1 | 995.0 | 996.0 |
| 175° | 998.0 | 996.9 | 996.5 | 996.2 | 995.9 | 995.6 | 996.0 | 997.1 | 998.3 | 999.4 | 1000.5 |
| 177.5° | 998.7 | 997.7 | 997.6 | 997.5 | 997.3 | 997.2 | 997.6 | 998.6 | 999.5 | 1000.4 | 1001.3 |
| 180° | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 |



TEST NUMBER: P331303-840

CATALOG NUMBER: SA2XXDIP-C485D725U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 |
| 2.5° | 986.4 | 988.0 | 992.8 | 997.6 | 1003.0 | 1004.5 | 1006.9 | 1004.8 | 1004.2 | 1010.0 | 1014.2 |
| 5° | 989.3 | 996.0 | 1009.3 | 1021.3 | 1031.5 | 1038.6 | 1046.2 | 1049.2 | 1054.9 | 1062.8 | 1072.6 |
| 7.5° | 986.0 | 999.3 | 1020.1 | 1037.6 | 1056.7 | 1070.6 | 1081.4 | 1090.6 | 1101.7 | 1116.7 | 1133.1 |
| 10° | 982.5 | 1000.2 | 1025.4 | 1046.9 | 1070.4 | 1088.0 | 1102.8 | 1117.1 | 1133.7 | 1154.5 | 1175.9 |
| 12.5° | 975.8 | 996.8 | 1028.4 | 1053.9 | 1083.9 | 1101.4 | 1121.2 | 1152.1 | 1169.9 | 1198.8 | 1229.0 |
| 15° | 962.5 | 985.8 | 1030.0 | 1061.3 | 1095.2 | 1128.4 | 1165.0 | 1194.4 | 1223.9 | 1240.8 | 1283.4 |
| 17.5° | 942.6 | 976.9 | 1025.8 | 1062.4 | 1105.5 | 1157.7 | 1198.8 | 1232.2 | 1266.2 | 1293.6 | 1315.0 |
| 20° | 926.7 | 964.0 | 1019.8 | 1063.6 | 1114.8 | 1171.0 | 1218.2 | 1252.1 | 1281.5 | 1304.5 | 1317.8 |
| 22.5° | 906.5 | 953.4 | 1007.7 | 1059.0 | 1124.5 | 1180.1 | 1229.6 | 1256.4 | 1280.9 | 1292.1 | 1297.2 |
| 25° | 874.5 | 931.2 | 992.6 | 1055.2 | 1129.1 | 1188.0 | 1233.2 | 1249.5 | 1256.7 | 1245.7 | 1227.6 |
| 27.5° | 840.3 | 903.3 | 975.2 | 1048.1 | 1126.3 | 1182.9 | 1215.3 | 1212.7 | 1200.6 | 1165.2 | 1136.9 |
| 30° | 814.7 | 884.0 | 961.3 | 1040.9 | 1119.3 | 1174.4 | 1193.3 | 1174.4 | 1146.9 | 1107.3 | 1066.9 |
| 32.5° | 787.8 | 859.6 | 946.5 | 1030.7 | 1106.7 | 1155.1 | 1159.2 | 1126.7 | 1084.1 | 1039.2 | 988.8 |
| 35° | 747.1 | 824.9 | 918.7 | 1007.7 | 1079.7 | 1110.3 | 1092.2 | 1034.9 | 984.3 | 922.9 | 854.2 |
| 37.5° | 701.1 | 787.0 | 881.1 | 974.1 | 1039.5 | 1047.4 | 1002.5 | 942.1 | 870.8 | 798.6 | 717.8 |
| 40° | 666.8 | 757.7 | 854.6 | 948.5 | 1006.2 | 997.9 | 940.6 | 874.2 | 789.3 | 701.1 | 626.0 |
| 42.5° | 636.0 | 726.9 | 825.7 | 917.8 | 964.0 | 941.2 | 874.2 | 792.7 | 701.6 | 618.4 | 549.8 |
| 45° | 582.7 | 676.2 | 777.3 | 866.3 | 892.7 | 851.6 | 763.0 | 672.5 | 582.7 | 513.3 | 459.0 |
| 47.5° | 531.0 | 623.4 | 723.5 | 801.7 | 811.1 | 755.8 | 658.9 | 565.8 | 488.7 | 432.1 | 393.8 |
| 50° | 492.9 | 585.7 | 684.9 | 754.7 | 751.6 | 684.9 | 585.3 | 496.7 | 432.2 | 386.6 | 360.9 |
| 52.5° | 458.8 | 546.4 | 641.8 | 705.2 | 689.2 | 616.4 | 521.4 | 442.7 | 389.7 | 354.0 | 330.7 |
| 55° | 405.8 | 486.9 | 577.4 | 628.3 | 599.0 | 518.2 | 437.9 | 374.5 | 335.3 | 308.5 | 290.4 |
| 57.5° | 353.1 | 429.2 | 506.6 | 538.1 | 505.5 | 431.0 | 364.1 | 318.1 | 288.6 | 268.7 | 257.0 |
| 60° | 320.5 | 387.0 | 456.0 | 483.1 | 444.2 | 377.9 | 325.1 | 284.0 | 260.2 | 244.0 | 233.5 |
| 62.5° | 288.0 | 347.4 | 412.5 | 427.3 | 391.7 | 335.7 | 288.9 | 254.7 | 235.2 | 220.8 | 210.9 |
| 65° | 243.7 | 292.3 | 341.7 | 351.5 | 318.7 | 275.3 | 238.3 | 216.1 | 198.7 | 188.2 | 180.3 |
| 67.5° | 199.9 | 238.8 | 273.9 | 281.8 | 253.1 | 223.0 | 196.2 | 176.9 | 165.1 | 156.3 | 149.7 |
| 70° | 173.9 | 204.8 | 233.5 | 239.8 | 216.8 | 190.1 | 169.8 | 154.2 | 143.7 | 136.1 | 129.8 |
| 72.5° | 146.4 | 172.2 | 196.0 | 200.4 | 181.6 | 161.1 | 144.4 | 132.2 | 122.9 | 118.1 | 111.9 |
| 75° | 112.0 | 127.1 | 145.6 | 146.7 | 134.3 | 121.8 | 109.0 | 101.1 | 96.1 | 90.2 | 87.2 |
| 77.5° | 79.1 | 90.9 | 101.5 | 103.5 | 96.1 | 87.7 | 80.5 | 74.2 | 70.1 | 67.3 | 64.5 |
| 80° | 60.4 | 69.8 | 74.3 | 77.0 | 71.7 | 65.6 | 61.5 | 57.4 | 54.7 | 52.8 | 50.9 |
| 82.5° | 43.1 | 49.0 | 53.2 | 55.2 | 52.3 | 48.8 | 44.5 | 42.2 | 40.2 | 38.6 | 38.0 |
| 85° | 21.9 | 24.5 | 27.2 | 27.9 | 27.2 | 25.7 | 23.4 | 23.4 | 22.2 | 21.9 | 21.9 |
| 87.5° | 8.1 | 9.6 | 10.0 | 11.2 | 10.9 | 11.2 | 11.4 | 11.4 | 11.3 | 11.2 | 11.0 |
| 90° | 2.5 | 4.2 | 6.1 | 7.8 | 9.3 | 10.6 | 11.9 | 13.1 | 14.4 | 15.2 | 16.1 |
| 92.5° | 14.4 | 14.2 | 14.1 | 13.9 | 14.2 | 14.8 | 15.5 | 16.2 | 16.8 | 17.2 | 17.6 |
| 95° | 41.7 | 36.4 | 31.1 | 25.8 | 23.6 | 24.8 | 26.0 | 27.1 | 28.2 | 29.0 | 29.8 |
| 97.5° | 78.3 | 63.3 | 48.4 | 33.4 | 27.3 | 29.9 | 32.5 | 35.1 | 37.7 | 38.4 | 39.0 |
| 100° | 105.8 | 83.9 | 61.9 | 39.9 | 30.3 | 33.0 | 35.7 | 38.5 | 41.2 | 42.4 | 43.7 |
| 102.5° | 161.4 | 156.7 | 152.1 | 147.3 | 133.6 | 110.8 | 88.0 | 65.1 | 42.3 | 44.0 | 45.6 |
| 105° | 224.4 | 229.2 | 234.1 | 238.8 | 219.3 | 175.5 | 131.7 | 87.9 | 44.0 | 45.8 | 47.6 |
| 107.5° | 284.6 | 288.5 | 292.4 | 296.3 | 272.0 | 219.3 | 166.8 | 114.2 | 61.7 | 59.9 | 58.1 |
| 110° | 323.4 | 326.8 | 330.1 | 333.5 | 311.9 | 265.6 | 219.2 | 172.8 | 126.4 | 110.4 | 94.3 |



TEST NUMBER: P331303-840
 CATALOG NUMBER: SA2XXDIP-C485D725U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 360.0 | 362.9 | 366.0 | 368.9 | 364.7 | 353.3 | 341.7 | 330.3 | 318.8 | 260.3 | 201.8 |
| 115° | 418.1 | 420.8 | 423.5 | 426.3 | 429.7 | 433.6 | 437.7 | 441.7 | 445.8 | 371.4 | 297.1 |
| 117.5° | 470.6 | 473.6 | 476.7 | 479.7 | 482.6 | 485.4 | 488.2 | 490.9 | 493.7 | 475.7 | 457.8 |
| 120° | 508.1 | 510.5 | 512.9 | 515.3 | 518.0 | 520.9 | 523.7 | 526.6 | 529.5 | 531.4 | 533.4 |
| 122.5° | 540.6 | 543.1 | 545.6 | 548.2 | 551.0 | 554.2 | 557.3 | 560.5 | 563.6 | 564.7 | 565.9 |
| 125° | 589.4 | 591.5 | 593.6 | 595.6 | 598.2 | 601.3 | 604.3 | 607.3 | 610.5 | 611.6 | 612.7 |
| 127.5° | 634.3 | 636.6 | 638.8 | 641.2 | 643.5 | 645.8 | 648.0 | 650.4 | 652.6 | 654.3 | 655.9 |
| 130° | 662.9 | 665.4 | 667.9 | 670.6 | 672.7 | 674.5 | 676.2 | 678.0 | 679.7 | 681.6 | 683.3 |
| 132.5° | 691.4 | 693.6 | 695.7 | 697.9 | 699.8 | 701.7 | 703.4 | 705.2 | 706.9 | 708.4 | 709.9 |
| 135° | 729.3 | 731.8 | 734.5 | 737.0 | 739.0 | 740.4 | 741.8 | 743.4 | 744.8 | 746.4 | 748.0 |
| 137.5° | 766.5 | 768.3 | 770.1 | 771.9 | 773.7 | 775.3 | 776.9 | 778.5 | 780.2 | 781.7 | 783.4 |
| 140° | 790.8 | 792.1 | 793.5 | 794.7 | 796.3 | 798.0 | 799.8 | 801.5 | 803.3 | 804.8 | 806.2 |
| 142.5° | 811.5 | 812.7 | 813.9 | 815.0 | 816.6 | 818.6 | 820.6 | 822.6 | 824.7 | 826.0 | 827.3 |
| 145° | 842.8 | 842.7 | 842.5 | 842.4 | 843.6 | 846.4 | 849.1 | 851.8 | 854.5 | 855.8 | 856.9 |
| 147.5° | 870.9 | 870.3 | 869.7 | 869.1 | 870.1 | 872.8 | 875.5 | 878.2 | 880.9 | 881.7 | 882.5 |
| 150° | 888.9 | 887.8 | 886.7 | 885.4 | 886.3 | 888.8 | 891.3 | 893.9 | 896.5 | 897.5 | 898.4 |
| 152.5° | 904.3 | 903.1 | 901.8 | 900.6 | 901.2 | 903.6 | 906.1 | 908.5 | 910.9 | 911.9 | 912.8 |
| 155° | 926.9 | 925.3 | 923.9 | 922.5 | 922.7 | 924.6 | 926.6 | 928.5 | 930.4 | 931.4 | 932.4 |
| 157.5° | 944.8 | 943.6 | 942.4 | 941.2 | 941.2 | 942.6 | 943.9 | 945.2 | 946.6 | 947.8 | 948.8 |
| 160° | 955.4 | 954.5 | 953.5 | 952.6 | 952.6 | 953.5 | 954.5 | 955.4 | 956.4 | 957.5 | 958.4 |
| 162.5° | 964.7 | 963.8 | 962.8 | 961.8 | 961.8 | 962.6 | 963.4 | 964.3 | 965.1 | 966.2 | 967.2 |
| 165° | 977.1 | 976.2 | 975.2 | 974.2 | 974.0 | 974.5 | 975.0 | 975.4 | 975.9 | 977.0 | 978.2 |
| 167.5° | 986.4 | 985.4 | 984.5 | 983.5 | 983.2 | 983.7 | 984.1 | 984.6 | 985.0 | 986.1 | 987.3 |
| 170° | 991.6 | 990.7 | 989.7 | 988.8 | 988.4 | 988.8 | 989.1 | 989.4 | 989.7 | 990.8 | 991.9 |
| 172.5° | 995.0 | 994.1 | 993.1 | 992.2 | 991.9 | 992.2 | 992.5 | 992.8 | 993.1 | 994.3 | 995.4 |
| 175° | 999.4 | 998.3 | 997.1 | 996.0 | 995.6 | 995.9 | 996.2 | 996.5 | 996.9 | 998.0 | 999.2 |
| 177.5° | 1000.4 | 999.5 | 998.6 | 997.6 | 997.2 | 997.3 | 997.5 | 997.6 | 997.7 | 998.7 | 999.6 |
| 180° | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 |



TEST NUMBER: P331303-840
 CATALOG NUMBER: SA2XXDIP-C485D725U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 |
| 2.5° | 1017.8 | 1022.1 | 1022.1 | 1022.7 | 1027.4 | 1026.9 | 1026.6 |
| 5° | 1083.2 | 1089.5 | 1090.4 | 1097.1 | 1101.7 | 1100.1 | 1096.0 |
| 7.5° | 1144.8 | 1156.7 | 1165.8 | 1170.8 | 1176.8 | 1180.4 | 1178.8 |
| 10° | 1193.7 | 1211.0 | 1221.5 | 1228.7 | 1237.4 | 1243.9 | 1241.5 |
| 12.5° | 1238.0 | 1258.7 | 1273.1 | 1285.5 | 1286.6 | 1294.8 | 1289.2 |
| 15° | 1307.2 | 1329.1 | 1331.3 | 1340.4 | 1347.6 | 1346.8 | 1347.2 |
| 17.5° | 1330.0 | 1337.1 | 1338.5 | 1338.7 | 1338.8 | 1336.2 | 1330.4 |
| 20° | 1321.9 | 1319.3 | 1312.8 | 1308.0 | 1299.3 | 1298.1 | 1290.6 |
| 22.5° | 1283.2 | 1274.9 | 1258.8 | 1248.2 | 1234.7 | 1231.1 | 1229.0 |
| 25° | 1207.2 | 1188.7 | 1163.1 | 1138.6 | 1131.8 | 1118.6 | 1122.4 |
| 27.5° | 1102.9 | 1074.1 | 1046.3 | 1026.4 | 1008.5 | 988.7 | 994.3 |
| 30° | 1029.6 | 997.1 | 958.0 | 927.8 | 908.6 | 889.7 | 886.3 |
| 32.5° | 942.1 | 894.5 | 850.8 | 824.3 | 794.8 | 782.8 | 769.8 |
| 35° | 791.2 | 744.9 | 701.5 | 664.2 | 642.7 | 626.0 | 611.0 |
| 37.5° | 655.5 | 602.2 | 567.1 | 536.9 | 521.4 | 511.9 | 514.2 |
| 40° | 571.4 | 524.6 | 499.0 | 475.9 | 461.6 | 454.8 | 456.4 |
| 42.5° | 503.2 | 468.2 | 447.1 | 431.3 | 421.2 | 417.4 | 416.5 |
| 45° | 425.8 | 406.2 | 388.8 | 379.8 | 374.9 | 370.7 | 368.1 |
| 47.5° | 373.0 | 357.0 | 347.2 | 341.8 | 337.5 | 333.4 | 333.3 |
| 50° | 341.3 | 330.7 | 324.0 | 318.3 | 314.9 | 311.8 | 314.6 |
| 52.5° | 317.2 | 307.5 | 300.7 | 295.7 | 294.4 | 291.6 | 291.6 |
| 55° | 281.3 | 273.8 | 268.9 | 264.4 | 262.2 | 260.6 | 258.7 |
| 57.5° | 248.7 | 241.6 | 237.1 | 234.2 | 229.9 | 228.4 | 227.8 |
| 60° | 225.5 | 219.8 | 215.3 | 211.6 | 209.6 | 206.7 | 206.7 |
| 62.5° | 204.1 | 198.4 | 194.2 | 191.4 | 188.2 | 187.0 | 187.3 |
| 65° | 173.1 | 168.5 | 164.4 | 161.4 | 160.7 | 158.4 | 159.2 |
| 67.5° | 144.6 | 141.6 | 137.2 | 135.5 | 134.1 | 132.9 | 132.0 |
| 70° | 125.6 | 122.6 | 120.3 | 118.1 | 116.9 | 116.9 | 116.9 |
| 72.5° | 109.6 | 105.9 | 104.6 | 101.8 | 102.4 | 101.2 | 100.0 |
| 75° | 84.8 | 82.6 | 81.5 | 80.3 | 78.5 | 78.5 | 78.5 |
| 77.5° | 62.4 | 61.8 | 60.4 | 59.2 | 58.8 | 58.4 | 58.6 |
| 80° | 48.3 | 47.9 | 47.2 | 47.2 | 46.4 | 46.0 | 45.2 |
| 82.5° | 37.1 | 36.2 | 35.6 | 35.3 | 35.2 | 35.1 | 35.0 |
| 85° | 21.1 | 20.4 | 20.4 | 20.7 | 20.0 | 20.0 | 20.4 |
| 87.5° | 11.5 | 11.7 | 11.5 | 11.5 | 11.9 | 11.7 | 11.7 |
| 90° | 16.9 | 17.7 | 18.2 | 18.6 | 18.9 | 19.2 | 19.5 |
| 92.5° | 18.0 | 18.4 | 18.8 | 18.9 | 19.1 | 19.3 | 19.5 |
| 95° | 30.6 | 31.4 | 31.7 | 31.5 | 31.4 | 31.2 | 31.1 |
| 97.5° | 39.6 | 40.3 | 40.7 | 40.9 | 41.1 | 41.3 | 41.5 |
| 100° | 45.0 | 46.4 | 47.2 | 47.5 | 47.8 | 48.1 | 48.4 |
| 102.5° | 47.4 | 49.0 | 50.1 | 50.5 | 51.0 | 51.4 | 51.9 |
| 105° | 49.4 | 51.1 | 52.3 | 53.0 | 53.6 | 54.2 | 54.9 |
| 107.5° | 56.2 | 54.5 | 53.9 | 54.5 | 55.2 | 55.8 | 56.5 |
| 110° | 78.3 | 62.2 | 54.5 | 55.1 | 55.7 | 56.5 | 57.1 |



TEST NUMBER: P331303-840

CATALOG NUMBER: SA2XXDIP-C485D725U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|-------|-------|-------|
| 112.5° | 143.2 | 84.6 | 55.5 | 56.1 | 56.7 | 57.2 | 57.7 |
| 115° | 222.8 | 148.5 | 105.4 | 93.9 | 82.3 | 70.8 | 59.3 |
| 117.5° | 439.7 | 421.7 | 393.7 | 355.8 | 317.8 | 279.8 | 241.9 |
| 120° | 535.3 | 537.2 | 527.4 | 505.6 | 484.0 | 462.3 | 440.7 |
| 122.5° | 567.0 | 568.3 | 566.7 | 562.5 | 558.3 | 554.1 | 549.9 |
| 125° | 613.8 | 614.9 | 615.7 | 616.2 | 616.7 | 617.1 | 617.6 |
| 127.5° | 657.5 | 659.1 | 660.0 | 660.1 | 660.2 | 660.4 | 660.5 |
| 130° | 685.1 | 686.8 | 687.6 | 687.5 | 687.3 | 687.1 | 687.0 |
| 132.5° | 711.4 | 713.0 | 713.7 | 713.5 | 713.4 | 713.2 | 713.0 |
| 135° | 749.6 | 751.2 | 751.8 | 751.5 | 751.2 | 750.8 | 750.5 |
| 137.5° | 784.9 | 786.5 | 787.0 | 786.5 | 785.9 | 785.4 | 784.8 |
| 140° | 807.6 | 809.1 | 809.4 | 808.6 | 807.8 | 807.0 | 806.2 |
| 142.5° | 828.6 | 829.9 | 830.2 | 829.4 | 828.6 | 827.8 | 827.0 |
| 145° | 858.0 | 859.1 | 859.2 | 858.5 | 857.7 | 856.9 | 856.1 |
| 147.5° | 883.4 | 884.2 | 884.3 | 883.6 | 882.9 | 882.3 | 881.6 |
| 150° | 899.4 | 900.3 | 900.4 | 899.6 | 898.8 | 898.0 | 897.2 |
| 152.5° | 913.8 | 914.8 | 914.7 | 913.7 | 912.6 | 911.6 | 910.5 |
| 155° | 933.3 | 934.3 | 934.1 | 932.8 | 931.6 | 930.3 | 929.0 |
| 157.5° | 949.9 | 951.0 | 950.9 | 949.7 | 948.4 | 947.2 | 945.9 |
| 160° | 959.4 | 960.3 | 960.2 | 959.1 | 958.0 | 956.8 | 955.7 |
| 162.5° | 968.4 | 969.5 | 969.4 | 968.0 | 966.5 | 965.2 | 963.8 |
| 165° | 979.4 | 980.5 | 980.5 | 979.4 | 978.2 | 977.0 | 975.9 |
| 167.5° | 988.5 | 989.6 | 989.4 | 988.0 | 986.5 | 985.0 | 983.6 |
| 170° | 993.0 | 994.2 | 994.0 | 992.6 | 991.1 | 989.7 | 988.3 |
| 172.5° | 996.5 | 997.6 | 997.4 | 996.0 | 994.6 | 993.1 | 991.7 |
| 175° | 1000.3 | 1001.4 | 1001.2 | 999.6 | 997.9 | 996.3 | 994.7 |
| 177.5° | 1000.5 | 1001.4 | 1001.3 | 1000.1 | 999.0 | 997.7 | 996.6 |
| 180° | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 |

(END OF REPORT)