

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: P331322-830

Luminaire Tested: **S122DIP-S485D1080U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331322-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIP-S485D1080U830-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1080 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5653.6 lumens
Efficiency: N/A
Efficacy: 114.4 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: Semi-Indirect

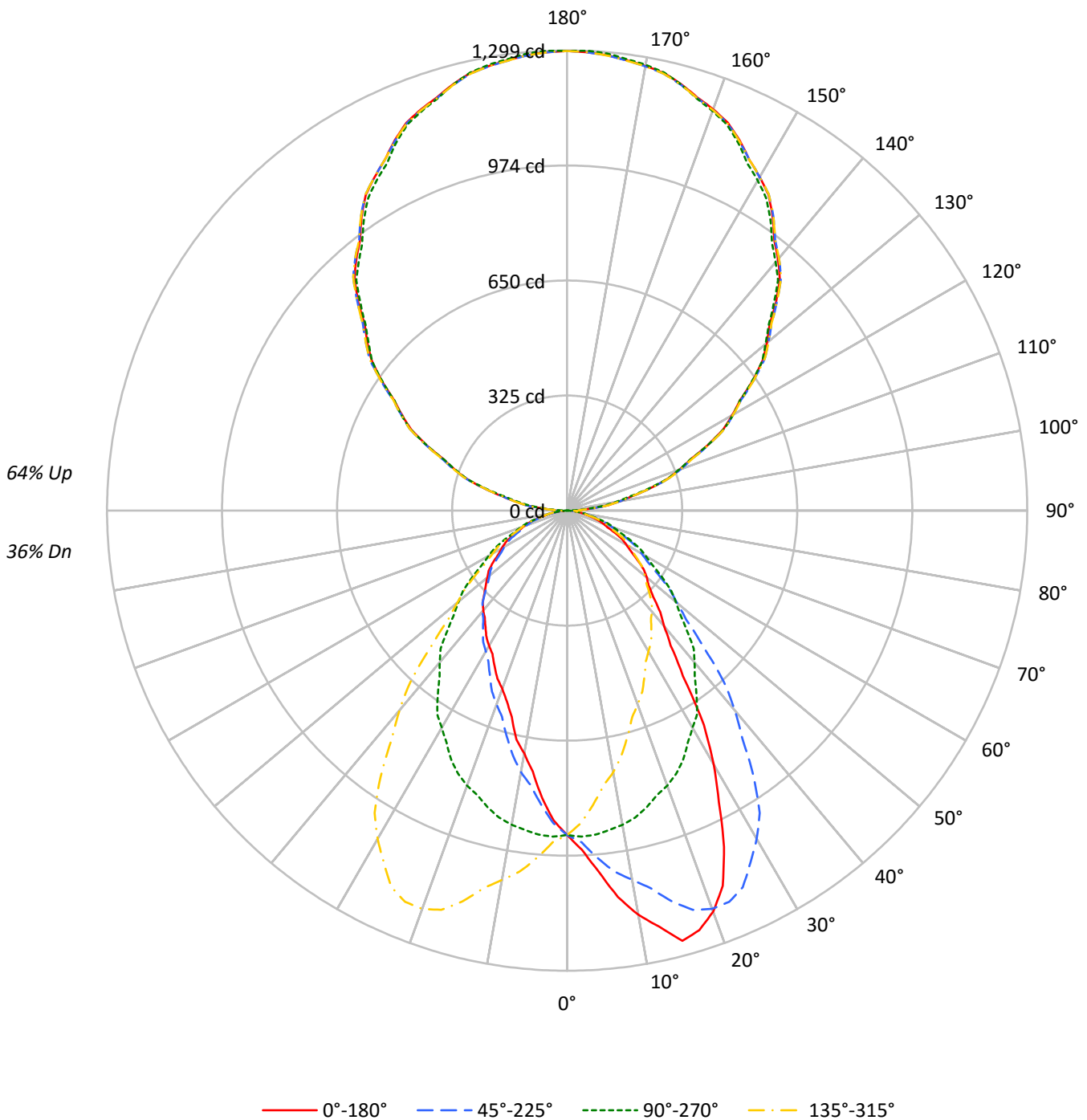
Input Watts (W): 49.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331322-830

CATALOG NUMBER: S122DIP-S485D1080U830-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P331322-830

CATALOG NUMBER: S122DIP-S485D1080U830-4F0-1E-UDD-A1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | 20 | | | 20 | | | 20 |
| RC | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 94 | 75 | 75 | 75 | 59 | 59 | 59 | 43 | 43 | 43 | 36 |
| 1 | 95 | 91 | 87 | 84 | 86 | 82 | 79 | 76 | 67 | 64 | 62 | 52 | 51 | 49 | 39 | 38 | 37 | 31 |
| 2 | 87 | 80 | 74 | 69 | 78 | 72 | 67 | 63 | 59 | 55 | 52 | 46 | 44 | 42 | 34 | 33 | 32 | 26 |
| 3 | 79 | 70 | 63 | 58 | 72 | 64 | 58 | 53 | 52 | 48 | 44 | 41 | 38 | 36 | 31 | 29 | 27 | 23 |
| 4 | 73 | 62 | 55 | 49 | 66 | 57 | 50 | 45 | 46 | 42 | 38 | 37 | 33 | 31 | 28 | 26 | 24 | 20 |
| 5 | 67 | 56 | 48 | 42 | 60 | 51 | 44 | 39 | 42 | 37 | 33 | 33 | 30 | 27 | 25 | 23 | 21 | 17 |
| 6 | 62 | 50 | 42 | 37 | 56 | 46 | 39 | 34 | 38 | 33 | 29 | 30 | 26 | 24 | 23 | 20 | 19 | 15 |
| 7 | 57 | 45 | 37 | 32 | 51 | 41 | 35 | 30 | 34 | 29 | 25 | 27 | 24 | 21 | 21 | 19 | 17 | 14 |
| 8 | 53 | 41 | 34 | 28 | 48 | 38 | 31 | 26 | 31 | 26 | 23 | 25 | 21 | 19 | 19 | 17 | 15 | 13 |
| 9 | 49 | 37 | 30 | 25 | 45 | 34 | 28 | 24 | 29 | 24 | 20 | 23 | 19 | 17 | 18 | 15 | 14 | 11 |
| 10 | 46 | 34 | 27 | 23 | 42 | 32 | 25 | 21 | 26 | 22 | 18 | 21 | 18 | 15 | 17 | 14 | 12 | 10 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 14788 | 14788 | 14788 | 14788 |
| 5° | 16579 | 14885 | 13190 | 14885 |
| 10° | 18998 | 14762 | 11416 | 14762 |
| 15° | 21018 | 14492 | 10084 | 14492 |
| 20° | 20697 | 14201 | 9194 | 14201 |
| 25° | 18661 | 13814 | 8630 | 13814 |
| 30° | 15422 | 13196 | 8216 | 13196 |
| 35° | 11239 | 12552 | 7924 | 12552 |
| 40° | 8977 | 11788 | 7761 | 11788 |
| 45° | 7846 | 10908 | 7540 | 10908 |
| 50° | 7375 | 10052 | 7392 | 10052 |
| 55° | 6798 | 9185 | 7192 | 9185 |
| 60° | 6229 | 8263 | 6888 | 8263 |
| 65° | 5673 | 7435 | 6590 | 7435 |
| 70° | 5150 | 6628 | 6151 | 6628 |
| 75° | 4566 | 5733 | 5446 | 5733 |
| 80° | 3924 | 4751 | 4379 | 4751 |
| 85° | 3520 | 3520 | 2594 | 3520 |



TEST NUMBER: P331322-830

CATALOG NUMBER: S122DIP-S485D1080U830-4F0-1E-UDD-A1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 87.2 | 1.5 |
| 10°-20° | 253.6 | 4.5 |
| 20°-30° | 368.0 | 6.5 |
| 30°-40° | 388.4 | 6.9 |
| 40°-50° | 343.9 | 6.1 |
| 50°-60° | 274.4 | 4.9 |
| 60°-70° | 186.5 | 3.3 |
| 70°-80° | 95.6 | 1.7 |
| 80°-90° | 28.2 | 0.5 |
| 90°-100° | 82.2 | 1.5 |
| 100°-110° | 255.3 | 4.5 |
| 110°-120° | 436.4 | 7.7 |
| 120°-130° | 573.9 | 10.2 |
| 130°-140° | 644.2 | 11.4 |
| 140°-150° | 631.6 | 11.2 |
| 150°-160° | 529.8 | 9.4 |
| 160°-170° | 351.4 | 6.2 |
| 170°-180° | 122.8 | 2.2 |
| 0°-30° | 708.8 | 12.5 |
| 0°-40° | 1097.2 | 19.4 |
| 0°-60° | 1715.5 | 30.3 |
| 0°-90° | 2025.9 | 35.8 |
| 90°-120° | 774.0 | 13.7 |
| 90°-150° | 2623.7 | 46.4 |
| 90°-180° | 3628.0 | 64.2 |
| 0°-180° | 5653.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 916 | 916 | 916 | 916 | 916 | |
| 5° | 1023 | 918 | 814 | 918 | 1023 | 102 |
| 15° | 1257 | 867 | 603 | 867 | 1257 | 347 |
| 25° | 1048 | 775 | 484 | 775 | 1048 | 473 |
| 35° | 570 | 637 | 402 | 637 | 570 | 371 |
| 45° | 344 | 478 | 330 | 478 | 344 | 270 |
| 55° | 242 | 326 | 256 | 326 | 242 | 217 |
| 65° | 148 | 195 | 172 | 195 | 148 | 148 |
| 75° | 73 | 92 | 87 | 92 | 73 | 78 |
| 85° | 19 | 19 | 14 | 19 | 19 | 22 |
| 90° | 37 | 1 | 37 | 1 | 37 | 17 |
| 95° | 68 | 57 | 68 | 57 | 68 | 76 |
| 105° | 243 | 235 | 243 | 235 | 243 | 256 |
| 115° | 438 | 438 | 438 | 438 | 438 | 432 |
| 125° | 639 | 637 | 639 | 637 | 639 | 570 |
| 135° | 834 | 824 | 834 | 824 | 834 | 642 |
| 145° | 1012 | 1001 | 1012 | 1001 | 1012 | 632 |
| 155° | 1153 | 1144 | 1153 | 1144 | 1153 | 531 |
| 165° | 1246 | 1245 | 1246 | 1245 | 1246 | 351 |
| 175° | 1291 | 1295 | 1291 | 1295 | 1291 | 123 |
| 180° | 1297 | 1297 | 1297 | 1297 | 1297 | |



TEST NUMBER: P331322-830

CATALOG NUMBER: S122DIP-S485D1080U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 |
| 2.5° | 958.2 | 958.5 | 958.9 | 954.5 | 953.9 | 953.9 | 950.0 | 946.6 | 942.6 | 937.3 | 937.8 |
| 5° | 1022.9 | 1026.8 | 1028.2 | 1024.0 | 1017.7 | 1016.9 | 1011.0 | 1001.1 | 991.9 | 984.6 | 979.3 |
| 7.5° | 1100.2 | 1101.7 | 1098.3 | 1092.8 | 1088.1 | 1079.6 | 1068.5 | 1057.5 | 1042.3 | 1028.2 | 1017.9 |
| 10° | 1158.8 | 1160.9 | 1154.9 | 1146.8 | 1140.1 | 1130.3 | 1114.1 | 1097.5 | 1077.5 | 1058.1 | 1042.6 |
| 12.5° | 1203.2 | 1208.5 | 1200.8 | 1199.8 | 1188.3 | 1174.8 | 1155.5 | 1147.1 | 1118.9 | 1091.9 | 1075.3 |
| 15° | 1257.4 | 1257.0 | 1257.7 | 1251.0 | 1242.6 | 1240.5 | 1220.0 | 1197.9 | 1158.1 | 1142.3 | 1114.7 |
| 17.5° | 1241.7 | 1247.1 | 1249.5 | 1249.4 | 1249.2 | 1247.9 | 1241.3 | 1227.4 | 1207.4 | 1181.8 | 1150.1 |
| 20° | 1204.6 | 1211.5 | 1212.7 | 1220.8 | 1225.3 | 1231.3 | 1233.8 | 1229.9 | 1217.6 | 1196.1 | 1168.7 |
| 22.5° | 1147.1 | 1149.1 | 1152.4 | 1165.0 | 1174.9 | 1189.9 | 1197.7 | 1210.7 | 1206.0 | 1195.5 | 1172.6 |
| 25° | 1047.5 | 1044.1 | 1056.3 | 1062.7 | 1085.5 | 1109.5 | 1126.7 | 1145.8 | 1162.6 | 1172.9 | 1166.2 |
| 27.5° | 928.0 | 922.7 | 941.2 | 958.0 | 976.6 | 1002.5 | 1029.4 | 1061.1 | 1087.5 | 1120.6 | 1131.9 |
| 30° | 827.2 | 830.4 | 848.0 | 865.9 | 894.1 | 930.7 | 960.9 | 995.8 | 1033.5 | 1070.4 | 1096.1 |
| 32.5° | 718.5 | 730.7 | 741.8 | 769.3 | 794.1 | 834.9 | 879.3 | 922.8 | 969.9 | 1011.8 | 1051.6 |
| 35° | 570.2 | 584.3 | 599.8 | 619.9 | 654.7 | 695.2 | 738.5 | 797.3 | 861.4 | 918.7 | 965.9 |
| 37.5° | 479.9 | 477.8 | 486.6 | 501.1 | 529.3 | 562.0 | 611.8 | 670.0 | 745.4 | 812.8 | 879.3 |
| 40° | 425.9 | 424.5 | 430.8 | 444.2 | 465.7 | 489.7 | 533.3 | 584.3 | 654.4 | 736.7 | 816.0 |
| 42.5° | 388.7 | 389.6 | 393.1 | 402.6 | 417.3 | 437.0 | 469.7 | 513.1 | 577.2 | 654.8 | 739.9 |
| 45° | 343.6 | 346.0 | 349.9 | 354.5 | 362.9 | 379.1 | 397.4 | 428.4 | 479.1 | 543.8 | 627.6 |
| 47.5° | 311.0 | 311.1 | 315.0 | 319.1 | 324.0 | 333.2 | 348.2 | 367.6 | 403.3 | 456.1 | 528.1 |
| 50° | 293.6 | 291.1 | 293.9 | 297.1 | 302.4 | 308.7 | 318.6 | 336.9 | 360.8 | 403.4 | 463.5 |
| 52.5° | 272.2 | 272.2 | 274.8 | 276.0 | 280.7 | 287.0 | 296.1 | 308.7 | 330.4 | 363.7 | 413.2 |
| 55° | 241.5 | 243.3 | 244.7 | 246.8 | 251.0 | 255.5 | 262.6 | 271.1 | 287.9 | 312.9 | 349.5 |
| 57.5° | 212.6 | 213.2 | 214.6 | 218.6 | 221.3 | 225.5 | 232.1 | 239.9 | 250.8 | 269.4 | 296.9 |
| 60° | 192.9 | 192.9 | 195.7 | 197.5 | 201.0 | 205.2 | 210.5 | 217.9 | 227.7 | 242.9 | 265.0 |
| 62.5° | 174.8 | 174.6 | 175.7 | 178.6 | 181.3 | 185.2 | 190.5 | 196.8 | 206.0 | 219.5 | 237.7 |
| 65° | 148.5 | 147.9 | 150.0 | 150.6 | 153.4 | 157.3 | 161.6 | 168.2 | 175.7 | 185.5 | 201.7 |
| 67.5° | 123.2 | 124.0 | 125.2 | 126.5 | 128.1 | 132.1 | 135.0 | 139.7 | 145.9 | 154.1 | 165.1 |
| 70° | 109.1 | 109.1 | 109.1 | 110.2 | 112.3 | 114.4 | 117.3 | 121.1 | 127.1 | 134.1 | 143.9 |
| 72.5° | 93.3 | 94.4 | 95.6 | 95.0 | 97.6 | 98.9 | 102.3 | 104.4 | 110.2 | 114.7 | 123.4 |
| 75° | 73.2 | 73.2 | 73.2 | 74.9 | 76.1 | 77.1 | 79.2 | 81.3 | 84.2 | 89.7 | 94.3 |
| 77.5° | 54.7 | 54.5 | 54.9 | 55.2 | 56.4 | 57.7 | 58.2 | 60.2 | 62.8 | 65.4 | 69.3 |
| 80° | 42.2 | 43.0 | 43.3 | 44.0 | 44.0 | 44.7 | 45.1 | 47.5 | 49.3 | 51.1 | 53.5 |
| 82.5° | 32.7 | 32.8 | 32.9 | 33.0 | 33.3 | 33.7 | 34.6 | 35.4 | 36.0 | 37.5 | 39.4 |
| 85° | 19.0 | 18.7 | 18.7 | 19.3 | 19.0 | 19.0 | 19.7 | 20.5 | 20.5 | 20.7 | 21.9 |
| 87.5° | 14.8 | 14.7 | 15.0 | 14.6 | 14.6 | 14.9 | 15.0 | 14.8 | 15.2 | 15.6 | 14.8 |
| 90° | 37.2 | 36.9 | 36.8 | 36.5 | 36.3 | 36.4 | 36.9 | 37.3 | 37.8 | 38.4 | 33.0 |
| 92.5° | 35.4 | 35.4 | 35.3 | 35.3 | 35.3 | 35.3 | 35.1 | 35.0 | 34.9 | 34.8 | 33.6 |
| 95° | 67.9 | 68.3 | 68.9 | 69.4 | 69.8 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 69.6 |
| 97.5° | 117.6 | 117.6 | 117.7 | 117.7 | 117.8 | 117.8 | 117.8 | 117.8 | 117.8 | 117.8 | 116.9 |
| 100° | 150.0 | 150.2 | 150.5 | 150.7 | 151.0 | 151.1 | 151.1 | 151.1 | 151.1 | 151.1 | 150.3 |
| 102.5° | 186.8 | 187.0 | 187.3 | 187.5 | 187.8 | 187.8 | 187.6 | 187.4 | 187.2 | 187.0 | 186.1 |
| 105° | 243.1 | 243.1 | 243.1 | 243.1 | 243.1 | 242.8 | 242.3 | 241.9 | 241.4 | 240.8 | 240.3 |
| 107.5° | 296.1 | 297.2 | 298.3 | 299.4 | 300.5 | 301.0 | 300.8 | 300.6 | 300.4 | 300.2 | 300.2 |
| 110° | 337.2 | 337.9 | 338.7 | 339.4 | 340.2 | 340.5 | 340.5 | 340.5 | 340.5 | 340.5 | 340.5 |



TEST NUMBER: P331322-830

CATALOG NUMBER: S122DIP-S485D1080U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 376.6 | 377.2 | 377.7 | 378.2 | 378.8 | 379.4 | 379.9 | 380.5 | 381.1 | 381.6 | 381.8 |
| 115° | 437.9 | 438.7 | 439.4 | 440.2 | 440.8 | 441.3 | 441.6 | 441.9 | 442.1 | 442.3 | 442.8 |
| 117.5° | 496.4 | 497.1 | 497.9 | 498.6 | 499.4 | 500.0 | 500.6 | 501.1 | 501.7 | 502.3 | 503.7 |
| 120° | 537.5 | 538.3 | 539.0 | 539.8 | 540.5 | 540.8 | 540.8 | 540.8 | 540.8 | 540.8 | 542.8 |
| 122.5° | 577.9 | 578.4 | 578.9 | 579.5 | 580.0 | 580.5 | 581.2 | 581.7 | 582.3 | 582.9 | 584.3 |
| 125° | 639.4 | 639.6 | 639.9 | 640.1 | 640.4 | 640.8 | 641.6 | 642.3 | 643.0 | 643.8 | 644.5 |
| 127.5° | 695.4 | 696.3 | 697.0 | 697.8 | 698.5 | 699.4 | 700.2 | 701.2 | 702.0 | 702.9 | 703.8 |
| 130° | 735.7 | 736.7 | 737.6 | 738.7 | 739.6 | 740.4 | 740.8 | 741.3 | 741.8 | 742.3 | 742.8 |
| 132.5° | 774.3 | 775.1 | 775.8 | 776.7 | 777.4 | 778.4 | 779.4 | 780.4 | 781.6 | 782.6 | 782.5 |
| 135° | 834.2 | 835.0 | 835.8 | 836.4 | 837.2 | 837.6 | 837.9 | 838.2 | 838.4 | 838.7 | 838.2 |
| 137.5° | 888.5 | 889.6 | 890.5 | 891.5 | 892.5 | 893.1 | 893.2 | 893.4 | 893.6 | 893.8 | 893.2 |
| 140° | 926.2 | 927.2 | 928.2 | 929.2 | 930.1 | 930.6 | 930.6 | 930.6 | 930.6 | 930.6 | 929.4 |
| 142.5° | 960.4 | 961.4 | 962.3 | 963.3 | 964.3 | 964.7 | 964.5 | 964.3 | 964.1 | 963.9 | 963.1 |
| 145° | 1011.6 | 1012.6 | 1013.6 | 1014.6 | 1015.5 | 1015.9 | 1015.7 | 1015.4 | 1015.1 | 1014.9 | 1013.4 |
| 147.5° | 1057.4 | 1058.3 | 1059.2 | 1060.2 | 1061.1 | 1061.3 | 1060.7 | 1060.3 | 1059.7 | 1059.1 | 1058.2 |
| 150° | 1087.2 | 1087.9 | 1088.6 | 1089.4 | 1090.1 | 1090.1 | 1089.4 | 1088.6 | 1087.9 | 1087.2 | 1086.2 |
| 152.5° | 1115.2 | 1116.2 | 1117.1 | 1117.9 | 1118.9 | 1118.9 | 1117.9 | 1117.1 | 1116.2 | 1115.2 | 1114.1 |
| 155° | 1152.8 | 1153.6 | 1154.3 | 1155.1 | 1155.7 | 1155.6 | 1154.3 | 1153.1 | 1151.9 | 1150.7 | 1150.0 |
| 157.5° | 1185.2 | 1186.5 | 1187.6 | 1188.7 | 1190.0 | 1189.7 | 1188.1 | 1186.4 | 1184.8 | 1183.1 | 1182.6 |
| 160° | 1205.4 | 1206.4 | 1207.4 | 1208.3 | 1209.3 | 1209.1 | 1207.6 | 1206.2 | 1204.7 | 1203.2 | 1203.0 |
| 162.5° | 1222.9 | 1224.1 | 1225.3 | 1226.4 | 1227.6 | 1227.4 | 1225.7 | 1224.1 | 1222.4 | 1220.8 | 1220.5 |
| 165° | 1245.9 | 1247.2 | 1248.4 | 1249.6 | 1250.8 | 1250.6 | 1248.9 | 1247.2 | 1245.5 | 1243.8 | 1243.8 |
| 167.5° | 1264.8 | 1266.0 | 1267.2 | 1268.6 | 1269.8 | 1269.6 | 1267.9 | 1266.2 | 1264.5 | 1262.8 | 1262.8 |
| 170° | 1274.4 | 1275.8 | 1277.3 | 1278.7 | 1280.3 | 1280.1 | 1278.4 | 1276.7 | 1275.0 | 1273.3 | 1273.6 |
| 172.5° | 1282.2 | 1283.7 | 1285.2 | 1286.7 | 1288.1 | 1288.0 | 1286.3 | 1284.6 | 1282.9 | 1281.2 | 1281.4 |
| 175° | 1290.8 | 1292.3 | 1293.7 | 1295.2 | 1296.7 | 1296.6 | 1294.9 | 1293.2 | 1291.5 | 1289.7 | 1290.2 |
| 177.5° | 1294.8 | 1295.9 | 1297.1 | 1298.3 | 1299.4 | 1299.4 | 1298.3 | 1297.1 | 1295.9 | 1294.8 | 1295.1 |
| 180° | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 |



TEST NUMBER: P331322-830

CATALOG NUMBER: S122DIP-S485D1080U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 |
| 2.5° | 939.8 | 937.5 | 936.1 | 931.1 | 926.6 | 922.1 | 920.7 | 921.2 | 915.0 | 909.2 | 906.6 |
| 5° | 976.5 | 969.4 | 962.7 | 953.2 | 942.0 | 929.6 | 923.3 | 918.4 | 906.1 | 892.7 | 885.0 |
| 7.5° | 1009.3 | 999.2 | 986.3 | 968.5 | 952.1 | 932.6 | 920.3 | 909.5 | 891.4 | 872.5 | 861.0 |
| 10° | 1029.3 | 1015.5 | 999.0 | 977.1 | 957.1 | 933.5 | 917.0 | 900.4 | 879.3 | 856.8 | 842.7 |
| 12.5° | 1046.4 | 1027.9 | 1011.6 | 983.6 | 959.9 | 930.4 | 910.8 | 887.5 | 865.3 | 838.5 | 824.6 |
| 15° | 1087.3 | 1053.2 | 1022.2 | 990.5 | 961.3 | 920.1 | 898.3 | 867.0 | 837.7 | 804.6 | 788.8 |
| 17.5° | 1118.9 | 1080.5 | 1031.8 | 991.6 | 957.4 | 911.8 | 879.8 | 842.3 | 807.7 | 769.9 | 748.4 |
| 20° | 1137.0 | 1093.0 | 1040.5 | 992.7 | 951.8 | 899.8 | 864.9 | 826.5 | 786.0 | 743.4 | 720.2 |
| 22.5° | 1147.6 | 1101.5 | 1049.5 | 988.4 | 940.6 | 889.9 | 846.0 | 804.0 | 762.9 | 717.0 | 692.6 |
| 25° | 1151.0 | 1108.8 | 1053.9 | 984.9 | 926.4 | 869.1 | 816.2 | 775.4 | 725.9 | 682.9 | 647.3 |
| 27.5° | 1134.3 | 1104.0 | 1051.2 | 978.3 | 910.2 | 843.1 | 784.3 | 738.0 | 685.6 | 639.0 | 603.2 |
| 30° | 1113.7 | 1096.1 | 1044.7 | 971.5 | 897.2 | 825.1 | 760.3 | 707.8 | 655.8 | 608.6 | 572.0 |
| 32.5° | 1081.9 | 1078.1 | 1032.9 | 962.0 | 883.4 | 802.3 | 735.3 | 682.2 | 624.5 | 578.2 | 543.3 |
| 35° | 1019.4 | 1036.3 | 1007.8 | 940.6 | 857.4 | 769.9 | 697.3 | 636.8 | 576.9 | 532.5 | 499.8 |
| 37.5° | 935.7 | 977.6 | 970.2 | 909.2 | 822.4 | 734.5 | 654.4 | 591.2 | 534.1 | 489.4 | 457.2 |
| 40° | 877.9 | 931.4 | 939.1 | 885.2 | 797.7 | 707.2 | 622.4 | 559.3 | 503.7 | 462.9 | 430.5 |
| 42.5° | 816.0 | 878.4 | 899.8 | 856.6 | 770.6 | 678.4 | 593.6 | 528.4 | 473.3 | 433.6 | 404.9 |
| 45° | 712.1 | 794.8 | 833.2 | 808.5 | 725.5 | 631.1 | 543.8 | 477.7 | 427.7 | 390.4 | 368.2 |
| 47.5° | 615.0 | 705.4 | 757.1 | 748.3 | 675.2 | 581.8 | 495.6 | 432.1 | 383.4 | 353.6 | 333.8 |
| 50° | 546.3 | 639.2 | 701.5 | 704.4 | 639.2 | 546.7 | 460.1 | 400.2 | 355.5 | 327.7 | 311.5 |
| 52.5° | 486.6 | 575.3 | 643.3 | 658.2 | 599.0 | 510.0 | 428.2 | 368.7 | 329.3 | 303.8 | 289.3 |
| 55° | 408.7 | 483.6 | 559.0 | 586.4 | 538.9 | 454.4 | 378.7 | 326.3 | 289.4 | 271.7 | 259.1 |
| 57.5° | 339.8 | 402.3 | 471.8 | 502.2 | 472.9 | 400.6 | 329.6 | 284.1 | 254.1 | 238.7 | 228.9 |
| 60° | 303.4 | 352.7 | 414.6 | 450.9 | 425.6 | 361.2 | 299.2 | 255.9 | 231.3 | 217.5 | 208.4 |
| 62.5° | 269.7 | 313.3 | 365.6 | 398.8 | 385.0 | 324.2 | 268.8 | 230.5 | 209.3 | 196.4 | 189.8 |
| 65° | 222.4 | 256.9 | 297.5 | 328.1 | 319.0 | 272.8 | 227.4 | 194.6 | 177.8 | 167.6 | 162.3 |
| 67.5° | 183.1 | 208.1 | 236.2 | 263.0 | 255.6 | 222.9 | 186.5 | 161.0 | 148.4 | 139.6 | 136.5 |
| 70° | 158.4 | 177.4 | 202.4 | 223.9 | 217.9 | 191.1 | 162.3 | 140.4 | 129.5 | 122.2 | 118.9 |
| 72.5° | 134.8 | 150.3 | 169.5 | 187.0 | 182.9 | 160.7 | 136.7 | 120.2 | 111.8 | 105.0 | 102.4 |
| 75° | 101.7 | 113.7 | 125.4 | 137.0 | 135.9 | 118.7 | 104.5 | 91.9 | 85.2 | 79.9 | 78.9 |
| 77.5° | 75.1 | 81.8 | 89.7 | 96.6 | 94.7 | 84.8 | 73.8 | 66.5 | 61.6 | 58.1 | 57.5 |
| 80° | 57.4 | 61.3 | 66.9 | 71.8 | 69.4 | 65.1 | 56.4 | 51.1 | 47.5 | 44.0 | 42.6 |
| 82.5° | 41.6 | 45.5 | 48.8 | 51.6 | 49.7 | 45.7 | 40.2 | 36.7 | 34.6 | 32.1 | 31.6 |
| 85° | 21.9 | 23.9 | 25.4 | 26.0 | 25.4 | 22.9 | 20.5 | 19.0 | 17.2 | 16.2 | 15.8 |
| 87.5° | 13.9 | 12.9 | 11.9 | 11.6 | 10.2 | 9.5 | 7.8 | 6.4 | 6.7 | 7.0 | 7.1 |
| 90° | 27.6 | 22.2 | 16.9 | 12.8 | 9.9 | 7.0 | 4.1 | 1.1 | 4.1 | 7.0 | 9.9 |
| 92.5° | 32.3 | 31.0 | 29.8 | 28.1 | 25.9 | 23.8 | 21.6 | 19.5 | 21.6 | 23.8 | 25.9 |
| 95° | 69.1 | 68.6 | 68.1 | 66.6 | 64.2 | 61.8 | 59.4 | 56.9 | 59.4 | 61.8 | 64.2 |
| 97.5° | 115.9 | 115.0 | 114.1 | 112.5 | 110.5 | 108.3 | 106.1 | 104.1 | 106.1 | 108.3 | 110.5 |
| 100° | 149.6 | 148.9 | 148.2 | 146.8 | 144.9 | 143.0 | 141.0 | 139.0 | 141.0 | 143.0 | 144.9 |
| 102.5° | 185.1 | 184.3 | 183.3 | 182.1 | 180.5 | 179.0 | 177.4 | 175.9 | 177.4 | 179.0 | 180.5 |
| 105° | 239.9 | 239.4 | 238.9 | 238.3 | 237.6 | 236.9 | 236.1 | 235.4 | 236.1 | 236.9 | 237.6 |
| 107.5° | 300.2 | 300.2 | 300.2 | 299.6 | 298.6 | 297.6 | 296.4 | 295.4 | 296.4 | 297.6 | 298.6 |
| 110° | 340.5 | 340.5 | 340.5 | 339.8 | 338.3 | 336.9 | 335.4 | 333.9 | 335.4 | 336.9 | 338.3 |



TEST NUMBER: P331322-830

CATALOG NUMBER: S122DIP-S485D1080U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 382.0 | 382.2 | 382.5 | 381.8 | 380.3 | 378.9 | 377.4 | 376.0 | 377.4 | 378.9 | 380.3 |
| 115° | 443.3 | 443.7 | 444.2 | 443.7 | 442.3 | 440.8 | 439.4 | 437.9 | 439.4 | 440.8 | 442.3 |
| 117.5° | 505.0 | 506.4 | 507.7 | 507.5 | 505.5 | 503.6 | 501.6 | 499.6 | 501.6 | 503.6 | 505.5 |
| 120° | 544.8 | 546.7 | 548.7 | 548.7 | 546.7 | 544.8 | 542.8 | 540.8 | 542.8 | 544.8 | 546.7 |
| 122.5° | 585.6 | 587.0 | 588.3 | 587.9 | 585.5 | 583.2 | 580.9 | 578.5 | 580.9 | 583.2 | 585.5 |
| 125° | 645.3 | 645.9 | 646.7 | 645.9 | 643.8 | 641.6 | 639.4 | 637.2 | 639.4 | 641.6 | 643.8 |
| 127.5° | 704.6 | 705.5 | 706.4 | 705.4 | 702.7 | 699.9 | 697.1 | 694.4 | 697.1 | 699.9 | 702.7 |
| 130° | 743.3 | 743.8 | 744.2 | 742.9 | 739.7 | 736.6 | 733.4 | 730.3 | 733.4 | 736.6 | 739.7 |
| 132.5° | 782.4 | 782.3 | 782.2 | 780.9 | 778.3 | 775.7 | 773.2 | 770.5 | 773.2 | 775.7 | 778.3 |
| 135° | 837.6 | 837.2 | 836.7 | 835.1 | 832.5 | 829.8 | 827.1 | 824.4 | 827.1 | 829.8 | 832.5 |
| 137.5° | 892.6 | 891.9 | 891.3 | 889.9 | 887.7 | 885.5 | 883.4 | 881.1 | 883.4 | 885.5 | 887.7 |
| 140° | 928.2 | 927.0 | 925.8 | 924.1 | 921.9 | 919.6 | 917.5 | 915.3 | 917.5 | 919.6 | 921.9 |
| 142.5° | 962.2 | 961.4 | 960.5 | 959.0 | 956.9 | 954.7 | 952.5 | 950.4 | 952.5 | 954.7 | 956.9 |
| 145° | 1012.0 | 1010.5 | 1009.1 | 1007.5 | 1005.8 | 1004.1 | 1002.4 | 1000.7 | 1002.4 | 1004.1 | 1005.8 |
| 147.5° | 1057.2 | 1056.2 | 1055.3 | 1053.8 | 1051.7 | 1049.6 | 1047.6 | 1045.6 | 1047.6 | 1049.6 | 1051.7 |
| 150° | 1085.2 | 1084.3 | 1083.3 | 1082.0 | 1080.6 | 1079.1 | 1077.7 | 1076.2 | 1077.7 | 1079.1 | 1080.6 |
| 152.5° | 1112.9 | 1111.7 | 1110.5 | 1109.2 | 1107.8 | 1106.3 | 1104.8 | 1103.3 | 1104.8 | 1106.3 | 1107.8 |
| 155° | 1149.2 | 1148.5 | 1147.7 | 1147.1 | 1146.3 | 1145.6 | 1144.8 | 1144.2 | 1144.8 | 1145.6 | 1146.3 |
| 157.5° | 1182.2 | 1181.8 | 1181.3 | 1180.9 | 1180.3 | 1179.9 | 1179.4 | 1178.9 | 1179.4 | 1179.9 | 1180.3 |
| 160° | 1202.8 | 1202.5 | 1202.2 | 1201.9 | 1201.4 | 1200.9 | 1200.4 | 1200.0 | 1200.4 | 1200.9 | 1201.4 |
| 162.5° | 1220.2 | 1220.0 | 1219.7 | 1219.7 | 1219.5 | 1219.4 | 1219.3 | 1219.2 | 1219.3 | 1219.4 | 1219.5 |
| 165° | 1243.8 | 1243.8 | 1243.8 | 1243.9 | 1244.1 | 1244.3 | 1244.6 | 1244.8 | 1244.6 | 1244.3 | 1244.1 |
| 167.5° | 1262.9 | 1262.9 | 1263.0 | 1263.4 | 1264.1 | 1264.8 | 1265.6 | 1266.3 | 1265.6 | 1264.8 | 1264.1 |
| 170° | 1273.8 | 1274.0 | 1274.3 | 1274.8 | 1275.4 | 1276.2 | 1277.0 | 1277.7 | 1277.0 | 1276.2 | 1275.4 |
| 172.5° | 1281.7 | 1282.0 | 1282.1 | 1282.6 | 1283.4 | 1284.1 | 1284.9 | 1285.5 | 1284.9 | 1284.1 | 1283.4 |
| 175° | 1290.7 | 1291.2 | 1291.7 | 1292.3 | 1293.0 | 1293.7 | 1294.5 | 1295.2 | 1294.5 | 1293.7 | 1293.0 |
| 177.5° | 1295.5 | 1295.9 | 1296.3 | 1296.8 | 1297.4 | 1298.0 | 1298.5 | 1299.1 | 1298.5 | 1298.0 | 1297.4 |
| 180° | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 |



TEST NUMBER: P331322-830

CATALOG NUMBER: S122DIP-S485D1080U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 |
| 2.5° | 903.8 | 902.1 | 896.2 | 893.1 | 888.1 | 883.3 | 880.1 | 881.6 | 882.7 | 882.1 | 881.3 |
| 5° | 877.9 | 871.2 | 861.0 | 852.2 | 845.8 | 834.2 | 829.3 | 826.9 | 824.7 | 822.3 | 819.8 |
| 7.5° | 847.1 | 836.5 | 821.9 | 809.4 | 797.5 | 783.1 | 774.9 | 769.9 | 764.8 | 759.2 | 754.3 |
| 10° | 825.1 | 810.3 | 794.8 | 777.2 | 763.2 | 750.1 | 738.5 | 730.8 | 723.7 | 717.0 | 712.1 |
| 12.5° | 802.0 | 784.9 | 765.8 | 741.8 | 726.2 | 707.6 | 705.9 | 692.2 | 681.2 | 677.0 | 671.3 |
| 15° | 765.3 | 741.3 | 717.0 | 688.5 | 676.2 | 659.3 | 648.8 | 638.2 | 628.7 | 622.0 | 620.2 |
| 17.5° | 723.5 | 692.5 | 668.4 | 647.9 | 627.7 | 610.4 | 600.7 | 592.2 | 584.4 | 575.4 | 574.3 |
| 20° | 691.6 | 665.0 | 638.6 | 620.6 | 599.8 | 582.2 | 570.2 | 561.8 | 555.1 | 549.8 | 545.3 |
| 22.5° | 661.6 | 632.3 | 608.1 | 588.4 | 568.0 | 553.7 | 544.3 | 536.2 | 530.7 | 524.8 | 520.5 |
| 25° | 613.2 | 590.3 | 563.9 | 541.8 | 524.8 | 515.7 | 507.9 | 500.9 | 497.4 | 493.5 | 488.6 |
| 27.5° | 570.9 | 545.4 | 520.8 | 503.6 | 488.7 | 480.6 | 475.1 | 470.3 | 467.0 | 464.8 | 461.9 |
| 30° | 541.0 | 515.3 | 496.0 | 479.1 | 466.7 | 458.6 | 455.2 | 452.3 | 448.5 | 447.0 | 445.6 |
| 32.5° | 512.3 | 489.2 | 472.6 | 458.0 | 446.2 | 440.9 | 437.7 | 435.2 | 432.2 | 430.7 | 427.9 |
| 35° | 471.6 | 452.3 | 436.1 | 428.0 | 418.5 | 414.0 | 411.5 | 407.9 | 405.2 | 403.8 | 403.4 |
| 37.5° | 433.5 | 416.6 | 406.0 | 395.6 | 391.5 | 388.7 | 385.4 | 383.0 | 382.1 | 381.9 | 381.5 |
| 40° | 408.7 | 394.9 | 385.4 | 377.0 | 375.2 | 371.0 | 368.2 | 366.1 | 366.1 | 366.5 | 366.1 |
| 42.5° | 386.2 | 373.8 | 365.4 | 358.2 | 356.1 | 353.5 | 350.7 | 350.6 | 351.2 | 352.3 | 351.2 |
| 45° | 352.0 | 343.2 | 337.2 | 333.7 | 329.8 | 327.3 | 327.0 | 328.1 | 328.4 | 328.8 | 329.8 |
| 47.5° | 320.6 | 314.7 | 309.3 | 305.5 | 303.8 | 303.3 | 302.9 | 304.7 | 306.4 | 307.1 | 308.7 |
| 50° | 302.0 | 295.3 | 290.8 | 288.3 | 286.9 | 286.2 | 286.9 | 289.0 | 290.4 | 292.2 | 293.2 |
| 52.5° | 281.2 | 276.4 | 273.3 | 271.4 | 270.8 | 271.3 | 271.4 | 273.8 | 276.1 | 276.6 | 277.2 |
| 55° | 252.4 | 248.8 | 248.2 | 245.0 | 246.4 | 246.0 | 247.8 | 249.2 | 251.3 | 253.4 | 253.8 |
| 57.5° | 223.7 | 220.8 | 219.0 | 219.2 | 219.6 | 221.2 | 222.6 | 225.2 | 227.4 | 229.6 | 229.9 |
| 60° | 204.5 | 203.1 | 202.1 | 202.1 | 202.7 | 204.9 | 206.6 | 209.1 | 210.5 | 211.9 | 212.9 |
| 62.5° | 187.1 | 185.7 | 184.5 | 185.1 | 187.0 | 188.2 | 190.3 | 191.6 | 193.0 | 194.4 | 194.9 |
| 65° | 159.5 | 158.7 | 159.9 | 160.5 | 160.9 | 162.6 | 165.1 | 166.2 | 167.6 | 168.2 | 170.7 |
| 67.5° | 134.0 | 134.2 | 134.0 | 135.1 | 137.0 | 137.5 | 139.8 | 142.3 | 142.6 | 143.9 | 145.5 |
| 70° | 116.9 | 117.5 | 118.3 | 118.9 | 120.7 | 121.4 | 123.2 | 124.2 | 125.6 | 126.7 | 127.8 |
| 72.5° | 101.1 | 101.2 | 102.0 | 101.8 | 103.3 | 104.8 | 106.3 | 107.4 | 108.8 | 110.1 | 111.1 |
| 75° | 77.8 | 77.8 | 78.5 | 78.9 | 80.6 | 82.4 | 82.0 | 82.8 | 84.2 | 85.6 | 86.2 |
| 77.5° | 56.8 | 56.1 | 56.8 | 57.1 | 57.7 | 59.2 | 59.5 | 60.5 | 62.1 | 61.6 | 62.4 |
| 80° | 43.3 | 42.2 | 43.3 | 43.6 | 43.6 | 45.4 | 45.4 | 46.1 | 47.1 | 46.1 | 47.1 |
| 82.5° | 30.9 | 30.4 | 31.2 | 31.3 | 31.9 | 31.9 | 32.4 | 32.6 | 33.6 | 33.2 | 33.6 |
| 85° | 15.5 | 15.2 | 15.5 | 15.2 | 15.5 | 15.8 | 15.8 | 15.5 | 15.5 | 16.2 | 15.2 |
| 87.5° | 7.4 | 7.9 | 8.7 | 9.7 | 10.6 | 11.3 | 10.9 | 10.8 | 10.7 | 10.1 | 10.1 |
| 90° | 12.8 | 16.9 | 22.2 | 27.6 | 33.0 | 38.4 | 37.8 | 37.3 | 36.9 | 36.4 | 36.3 |
| 92.5° | 28.1 | 29.8 | 31.0 | 32.3 | 33.6 | 34.8 | 34.9 | 35.0 | 35.1 | 35.3 | 35.3 |
| 95° | 66.6 | 68.1 | 68.6 | 69.1 | 69.6 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 69.8 |
| 97.5° | 112.5 | 114.1 | 115.0 | 115.9 | 116.9 | 117.8 | 117.8 | 117.8 | 117.8 | 117.8 | 117.8 |
| 100° | 146.8 | 148.2 | 148.9 | 149.6 | 150.3 | 151.1 | 151.1 | 151.1 | 151.1 | 151.1 | 151.0 |
| 102.5° | 182.1 | 183.3 | 184.3 | 185.1 | 186.1 | 187.0 | 187.2 | 187.4 | 187.6 | 187.8 | 187.8 |
| 105° | 238.3 | 238.9 | 239.4 | 239.9 | 240.3 | 240.8 | 241.4 | 241.9 | 242.3 | 242.8 | 243.1 |
| 107.5° | 299.6 | 300.2 | 300.2 | 300.2 | 300.2 | 300.2 | 300.4 | 300.6 | 300.8 | 301.0 | 300.5 |
| 110° | 339.8 | 340.5 | 340.5 | 340.5 | 340.5 | 340.5 | 340.5 | 340.5 | 340.5 | 340.5 | 340.2 |



TEST NUMBER: P331322-830

CATALOG NUMBER: S122DIP-S485D1080U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 381.8 | 382.5 | 382.2 | 382.0 | 381.8 | 381.6 | 381.1 | 380.5 | 379.9 | 379.4 | 378.8 |
| 115° | 443.7 | 444.2 | 443.7 | 443.3 | 442.8 | 442.3 | 442.1 | 441.9 | 441.6 | 441.3 | 440.8 |
| 117.5° | 507.5 | 507.7 | 506.4 | 505.0 | 503.7 | 502.3 | 501.7 | 501.1 | 500.6 | 500.0 | 499.4 |
| 120° | 548.7 | 548.7 | 546.7 | 544.8 | 542.8 | 540.8 | 540.8 | 540.8 | 540.8 | 540.8 | 540.5 |
| 122.5° | 587.9 | 588.3 | 587.0 | 585.6 | 584.3 | 582.9 | 582.3 | 581.7 | 581.2 | 580.5 | 580.0 |
| 125° | 645.9 | 646.7 | 645.9 | 645.3 | 644.5 | 643.8 | 643.0 | 642.3 | 641.6 | 640.8 | 640.4 |
| 127.5° | 705.4 | 706.4 | 705.5 | 704.6 | 703.8 | 702.9 | 702.0 | 701.2 | 700.2 | 699.4 | 698.5 |
| 130° | 742.9 | 744.2 | 743.8 | 743.3 | 742.8 | 742.3 | 741.8 | 741.3 | 740.8 | 740.4 | 739.6 |
| 132.5° | 780.9 | 782.2 | 782.3 | 782.4 | 782.5 | 782.6 | 781.6 | 780.4 | 779.4 | 778.4 | 777.4 |
| 135° | 835.1 | 836.7 | 837.2 | 837.6 | 838.2 | 838.7 | 838.4 | 838.2 | 837.9 | 837.6 | 837.2 |
| 137.5° | 889.9 | 891.3 | 891.9 | 892.6 | 893.2 | 893.8 | 893.6 | 893.4 | 893.2 | 893.1 | 892.5 |
| 140° | 924.1 | 925.8 | 927.0 | 928.2 | 929.4 | 930.6 | 930.6 | 930.6 | 930.6 | 930.6 | 930.1 |
| 142.5° | 959.0 | 960.5 | 961.4 | 962.2 | 963.1 | 963.9 | 964.1 | 964.3 | 964.5 | 964.7 | 964.3 |
| 145° | 1007.5 | 1009.1 | 1010.5 | 1012.0 | 1013.4 | 1014.9 | 1015.1 | 1015.4 | 1015.7 | 1015.9 | 1015.5 |
| 147.5° | 1053.8 | 1055.3 | 1056.2 | 1057.2 | 1058.2 | 1059.1 | 1059.7 | 1060.3 | 1060.7 | 1061.3 | 1061.1 |
| 150° | 1082.0 | 1083.3 | 1084.3 | 1085.2 | 1086.2 | 1087.2 | 1087.9 | 1088.6 | 1089.4 | 1090.1 | 1090.1 |
| 152.5° | 1109.2 | 1110.5 | 1111.7 | 1112.9 | 1114.1 | 1115.2 | 1116.2 | 1117.1 | 1117.9 | 1118.9 | 1118.9 |
| 155° | 1147.1 | 1147.7 | 1148.5 | 1149.2 | 1150.0 | 1150.7 | 1151.9 | 1153.1 | 1154.3 | 1155.6 | 1155.7 |
| 157.5° | 1180.9 | 1181.3 | 1181.8 | 1182.2 | 1182.6 | 1183.1 | 1184.8 | 1186.4 | 1188.1 | 1189.7 | 1190.0 |
| 160° | 1201.9 | 1202.2 | 1202.5 | 1202.8 | 1203.0 | 1203.2 | 1204.7 | 1206.2 | 1207.6 | 1209.1 | 1209.3 |
| 162.5° | 1219.7 | 1219.7 | 1220.0 | 1220.2 | 1220.5 | 1220.8 | 1222.4 | 1224.1 | 1225.7 | 1227.4 | 1227.6 |
| 165° | 1243.9 | 1243.8 | 1243.8 | 1243.8 | 1243.8 | 1243.8 | 1245.5 | 1247.2 | 1248.9 | 1250.6 | 1250.8 |
| 167.5° | 1263.4 | 1263.0 | 1262.9 | 1262.9 | 1262.8 | 1262.8 | 1264.5 | 1266.2 | 1267.9 | 1269.6 | 1269.8 |
| 170° | 1274.8 | 1274.3 | 1274.0 | 1273.8 | 1273.6 | 1273.3 | 1275.0 | 1276.7 | 1278.4 | 1280.1 | 1280.3 |
| 172.5° | 1282.6 | 1282.1 | 1282.0 | 1281.7 | 1281.4 | 1281.2 | 1282.9 | 1284.6 | 1286.3 | 1288.0 | 1288.1 |
| 175° | 1292.3 | 1291.7 | 1291.2 | 1290.7 | 1290.2 | 1289.7 | 1291.5 | 1293.2 | 1294.9 | 1296.6 | 1296.7 |
| 177.5° | 1296.8 | 1296.3 | 1295.9 | 1295.5 | 1295.1 | 1294.8 | 1295.9 | 1297.1 | 1298.3 | 1299.4 | 1299.4 |
| 180° | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 |



TEST NUMBER: P331322-830

CATALOG NUMBER: S122DIP-S485D1080U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 |
| 2.5° | 878.4 | 877.9 | 877.9 | 875.3 | 877.9 | 877.9 | 878.4 | 881.3 | 882.1 | 882.7 | 881.6 |
| 5° | 814.9 | 813.8 | 812.1 | 813.8 | 812.1 | 813.8 | 814.9 | 819.8 | 822.3 | 824.7 | 826.9 |
| 7.5° | 752.1 | 747.8 | 747.2 | 743.0 | 747.2 | 747.8 | 752.1 | 754.3 | 759.2 | 764.8 | 769.9 |
| 10° | 706.2 | 703.3 | 702.9 | 696.3 | 702.9 | 703.3 | 706.2 | 712.1 | 717.0 | 723.7 | 730.8 |
| 12.5° | 671.2 | 664.4 | 665.8 | 661.9 | 665.8 | 664.4 | 671.2 | 671.3 | 677.0 | 681.2 | 692.2 |
| 15° | 610.7 | 610.7 | 609.4 | 603.3 | 609.4 | 610.7 | 610.7 | 620.2 | 622.0 | 628.7 | 638.2 |
| 17.5° | 567.3 | 566.6 | 563.2 | 564.9 | 563.2 | 566.6 | 567.3 | 574.3 | 575.4 | 584.4 | 592.2 |
| 20° | 541.4 | 539.2 | 535.1 | 535.1 | 535.1 | 539.2 | 541.4 | 545.3 | 549.8 | 555.1 | 561.8 |
| 22.5° | 516.9 | 516.7 | 512.3 | 513.7 | 512.3 | 516.7 | 516.9 | 520.5 | 524.8 | 530.7 | 536.2 |
| 25° | 488.2 | 485.4 | 483.3 | 484.4 | 483.3 | 485.4 | 488.2 | 488.6 | 493.5 | 497.4 | 500.9 |
| 27.5° | 461.1 | 459.5 | 459.4 | 456.5 | 459.4 | 459.5 | 461.1 | 461.9 | 464.8 | 467.0 | 470.3 |
| 30° | 445.3 | 441.8 | 442.4 | 440.7 | 442.4 | 441.8 | 445.3 | 445.6 | 447.0 | 448.5 | 452.3 |
| 32.5° | 427.3 | 426.0 | 425.3 | 423.8 | 425.3 | 426.0 | 427.3 | 427.9 | 430.7 | 432.2 | 435.2 |
| 35° | 402.7 | 403.0 | 401.2 | 402.0 | 401.2 | 403.0 | 402.7 | 403.4 | 403.8 | 405.2 | 407.9 |
| 37.5° | 381.3 | 382.4 | 381.5 | 381.7 | 381.5 | 382.4 | 381.3 | 381.5 | 381.9 | 382.1 | 383.0 |
| 40° | 367.1 | 367.1 | 367.1 | 368.2 | 367.1 | 367.1 | 367.1 | 366.1 | 366.5 | 366.1 | 366.1 |
| 42.5° | 353.6 | 353.1 | 352.5 | 352.4 | 352.5 | 353.1 | 353.6 | 351.2 | 352.3 | 351.2 | 350.6 |
| 45° | 330.5 | 331.6 | 332.0 | 330.2 | 332.0 | 331.6 | 330.5 | 329.8 | 328.8 | 328.4 | 328.1 |
| 47.5° | 309.6 | 309.7 | 309.6 | 311.1 | 309.6 | 309.7 | 309.6 | 308.7 | 307.1 | 306.4 | 304.7 |
| 50° | 295.0 | 294.3 | 295.0 | 294.3 | 295.0 | 294.3 | 295.0 | 293.2 | 292.2 | 290.4 | 289.0 |
| 52.5° | 279.5 | 279.7 | 279.2 | 279.1 | 279.2 | 279.7 | 279.5 | 277.2 | 276.6 | 276.1 | 273.8 |
| 55° | 255.2 | 255.9 | 255.5 | 255.5 | 255.5 | 255.9 | 255.2 | 253.8 | 253.4 | 251.3 | 249.2 |
| 57.5° | 230.1 | 230.7 | 231.2 | 229.6 | 231.2 | 230.7 | 230.1 | 229.9 | 229.6 | 227.4 | 225.2 |
| 60° | 212.6 | 214.3 | 214.1 | 213.3 | 214.1 | 214.3 | 212.6 | 212.9 | 211.9 | 210.5 | 209.1 |
| 62.5° | 196.5 | 197.2 | 197.1 | 197.0 | 197.1 | 197.2 | 196.5 | 194.9 | 194.4 | 193.0 | 191.6 |
| 65° | 171.7 | 172.5 | 171.4 | 172.5 | 171.4 | 172.5 | 171.7 | 170.7 | 168.2 | 167.6 | 166.2 |
| 67.5° | 145.1 | 145.3 | 146.1 | 146.6 | 146.1 | 145.3 | 145.1 | 145.5 | 143.9 | 142.6 | 142.3 |
| 70° | 128.5 | 128.1 | 129.2 | 130.3 | 129.2 | 128.1 | 128.5 | 127.8 | 126.7 | 125.6 | 124.2 |
| 72.5° | 111.0 | 111.8 | 111.4 | 112.3 | 111.4 | 111.8 | 111.0 | 111.1 | 110.1 | 108.8 | 107.4 |
| 75° | 85.6 | 86.6 | 86.2 | 87.3 | 86.2 | 86.6 | 85.6 | 86.2 | 85.6 | 84.2 | 82.8 |
| 77.5° | 61.8 | 61.9 | 61.8 | 62.4 | 61.8 | 61.9 | 61.8 | 62.4 | 61.6 | 62.1 | 60.5 |
| 80° | 47.1 | 46.5 | 45.7 | 47.1 | 45.7 | 46.5 | 47.1 | 47.1 | 46.1 | 47.1 | 46.1 |
| 82.5° | 32.8 | 33.3 | 32.5 | 32.5 | 32.5 | 33.3 | 32.8 | 33.6 | 33.2 | 33.6 | 32.6 |
| 85° | 15.2 | 14.8 | 14.0 | 14.0 | 14.0 | 14.8 | 15.2 | 15.2 | 16.2 | 15.5 | 15.5 |
| 87.5° | 10.1 | 9.9 | 9.9 | 9.7 | 9.9 | 9.9 | 10.1 | 10.1 | 10.1 | 10.7 | 10.8 |
| 90° | 36.5 | 36.8 | 36.9 | 37.2 | 36.9 | 36.8 | 36.5 | 36.3 | 36.4 | 36.9 | 37.3 |
| 92.5° | 35.3 | 35.3 | 35.4 | 35.4 | 35.4 | 35.3 | 35.3 | 35.3 | 35.3 | 35.1 | 35.0 |
| 95° | 69.4 | 68.9 | 68.3 | 67.9 | 68.3 | 68.9 | 69.4 | 69.8 | 70.0 | 70.0 | 70.0 |
| 97.5° | 117.7 | 117.7 | 117.6 | 117.6 | 117.6 | 117.7 | 117.7 | 117.8 | 117.8 | 117.8 | 117.8 |
| 100° | 150.7 | 150.5 | 150.2 | 150.0 | 150.2 | 150.5 | 150.7 | 151.0 | 151.1 | 151.1 | 151.1 |
| 102.5° | 187.5 | 187.3 | 187.0 | 186.8 | 187.0 | 187.3 | 187.5 | 187.8 | 187.8 | 187.6 | 187.4 |
| 105° | 243.1 | 243.1 | 243.1 | 243.1 | 243.1 | 243.1 | 243.1 | 243.1 | 242.8 | 242.3 | 241.9 |
| 107.5° | 299.4 | 298.3 | 297.2 | 296.1 | 297.2 | 298.3 | 299.4 | 300.5 | 301.0 | 300.8 | 300.6 |
| 110° | 339.4 | 338.7 | 337.9 | 337.2 | 337.9 | 338.7 | 339.4 | 340.2 | 340.5 | 340.5 | 340.5 |



TEST NUMBER: P331322-830

CATALOG NUMBER: S122DIP-S485D1080U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 378.2 | 377.7 | 377.2 | 376.6 | 377.2 | 377.7 | 378.2 | 378.8 | 379.4 | 379.9 | 380.5 |
| 115° | 440.2 | 439.4 | 438.7 | 437.9 | 438.7 | 439.4 | 440.2 | 440.8 | 441.3 | 441.6 | 441.9 |
| 117.5° | 498.6 | 497.9 | 497.1 | 496.4 | 497.1 | 497.9 | 498.6 | 499.4 | 500.0 | 500.6 | 501.1 |
| 120° | 539.8 | 539.0 | 538.3 | 537.5 | 538.3 | 539.0 | 539.8 | 540.5 | 540.8 | 540.8 | 540.8 |
| 122.5° | 579.5 | 578.9 | 578.4 | 577.9 | 578.4 | 578.9 | 579.5 | 580.0 | 580.5 | 581.2 | 581.7 |
| 125° | 640.1 | 639.9 | 639.6 | 639.4 | 639.6 | 639.9 | 640.1 | 640.4 | 640.8 | 641.6 | 642.3 |
| 127.5° | 697.8 | 697.0 | 696.3 | 695.4 | 696.3 | 697.0 | 697.8 | 698.5 | 699.4 | 700.2 | 701.2 |
| 130° | 738.7 | 737.6 | 736.7 | 735.7 | 736.7 | 737.6 | 738.7 | 739.6 | 740.4 | 740.8 | 741.3 |
| 132.5° | 776.7 | 775.8 | 775.1 | 774.3 | 775.1 | 775.8 | 776.7 | 777.4 | 778.4 | 779.4 | 780.4 |
| 135° | 836.4 | 835.8 | 835.0 | 834.2 | 835.0 | 835.8 | 836.4 | 837.2 | 837.6 | 837.9 | 838.2 |
| 137.5° | 891.5 | 890.5 | 889.6 | 888.5 | 889.6 | 890.5 | 891.5 | 892.5 | 893.1 | 893.2 | 893.4 |
| 140° | 929.2 | 928.2 | 927.2 | 926.2 | 927.2 | 928.2 | 929.2 | 930.1 | 930.6 | 930.6 | 930.6 |
| 142.5° | 963.3 | 962.3 | 961.4 | 960.4 | 961.4 | 962.3 | 963.3 | 964.3 | 964.7 | 964.5 | 964.3 |
| 145° | 1014.6 | 1013.6 | 1012.6 | 1011.6 | 1012.6 | 1013.6 | 1014.6 | 1015.5 | 1015.9 | 1015.7 | 1015.4 |
| 147.5° | 1060.2 | 1059.2 | 1058.3 | 1057.4 | 1058.3 | 1059.2 | 1060.2 | 1061.1 | 1061.3 | 1060.7 | 1060.3 |
| 150° | 1089.4 | 1088.6 | 1087.9 | 1087.2 | 1087.9 | 1088.6 | 1089.4 | 1090.1 | 1090.1 | 1089.4 | 1088.6 |
| 152.5° | 1117.9 | 1117.1 | 1116.2 | 1115.2 | 1116.2 | 1117.1 | 1117.9 | 1118.9 | 1118.9 | 1117.9 | 1117.1 |
| 155° | 1155.1 | 1154.3 | 1153.6 | 1152.8 | 1153.6 | 1154.3 | 1155.1 | 1155.7 | 1155.6 | 1154.3 | 1153.1 |
| 157.5° | 1188.7 | 1187.6 | 1186.5 | 1185.2 | 1186.5 | 1187.6 | 1188.7 | 1190.0 | 1189.7 | 1188.1 | 1186.4 |
| 160° | 1208.3 | 1207.4 | 1206.4 | 1205.4 | 1206.4 | 1207.4 | 1208.3 | 1209.3 | 1209.1 | 1207.6 | 1206.2 |
| 162.5° | 1226.4 | 1225.3 | 1224.1 | 1222.9 | 1224.1 | 1225.3 | 1226.4 | 1227.6 | 1227.4 | 1225.7 | 1224.1 |
| 165° | 1249.6 | 1248.4 | 1247.2 | 1245.9 | 1247.2 | 1248.4 | 1249.6 | 1250.8 | 1250.6 | 1248.9 | 1247.2 |
| 167.5° | 1268.6 | 1267.2 | 1266.0 | 1264.8 | 1266.0 | 1267.2 | 1268.6 | 1269.8 | 1269.6 | 1267.9 | 1266.2 |
| 170° | 1278.7 | 1277.3 | 1275.8 | 1274.4 | 1275.8 | 1277.3 | 1278.7 | 1280.3 | 1280.1 | 1278.4 | 1276.7 |
| 172.5° | 1286.7 | 1285.2 | 1283.7 | 1282.2 | 1283.7 | 1285.2 | 1286.7 | 1288.1 | 1288.0 | 1286.3 | 1284.6 |
| 175° | 1295.2 | 1293.7 | 1292.3 | 1290.8 | 1292.3 | 1293.7 | 1295.2 | 1296.7 | 1296.6 | 1294.9 | 1293.2 |
| 177.5° | 1298.3 | 1297.1 | 1295.9 | 1294.8 | 1295.9 | 1297.1 | 1298.3 | 1299.4 | 1299.4 | 1298.3 | 1297.1 |
| 180° | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 |



TEST NUMBER: P331322-830

CATALOG NUMBER: S122DIP-S485D1080U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 |
| 2.5° | 880.1 | 883.3 | 888.1 | 893.1 | 896.2 | 902.1 | 903.8 | 906.6 | 909.2 | 915.0 | 921.2 |
| 5° | 829.3 | 834.2 | 845.8 | 852.2 | 861.0 | 871.2 | 877.9 | 885.0 | 892.7 | 906.1 | 918.4 |
| 7.5° | 774.9 | 783.1 | 797.5 | 809.4 | 821.9 | 836.5 | 847.1 | 861.0 | 872.5 | 891.4 | 909.5 |
| 10° | 738.5 | 750.1 | 763.2 | 777.2 | 794.8 | 810.3 | 825.1 | 842.7 | 856.8 | 879.3 | 900.4 |
| 12.5° | 705.9 | 707.6 | 726.2 | 741.8 | 765.8 | 784.9 | 802.0 | 824.6 | 838.5 | 865.3 | 887.5 |
| 15° | 648.8 | 659.3 | 676.2 | 688.5 | 717.0 | 741.3 | 765.3 | 788.8 | 804.6 | 837.7 | 867.0 |
| 17.5° | 600.7 | 610.4 | 627.7 | 647.9 | 668.4 | 692.5 | 723.5 | 748.4 | 769.9 | 807.7 | 842.3 |
| 20° | 570.2 | 582.2 | 599.8 | 620.6 | 638.6 | 665.0 | 691.6 | 720.2 | 743.4 | 786.0 | 826.5 |
| 22.5° | 544.3 | 553.7 | 568.0 | 588.4 | 608.1 | 632.3 | 661.6 | 692.6 | 717.0 | 762.9 | 804.0 |
| 25° | 507.9 | 515.7 | 524.8 | 541.8 | 563.9 | 590.3 | 613.2 | 647.3 | 682.9 | 725.9 | 775.4 |
| 27.5° | 475.1 | 480.6 | 488.7 | 503.6 | 520.8 | 545.4 | 570.9 | 603.2 | 639.0 | 685.6 | 738.0 |
| 30° | 455.2 | 458.6 | 466.7 | 479.1 | 496.0 | 515.3 | 541.0 | 572.0 | 608.6 | 655.8 | 707.8 |
| 32.5° | 437.7 | 440.9 | 446.2 | 458.0 | 472.6 | 489.2 | 512.3 | 543.3 | 578.2 | 624.5 | 682.2 |
| 35° | 411.5 | 414.0 | 418.5 | 428.0 | 436.1 | 452.3 | 471.6 | 499.8 | 532.5 | 576.9 | 636.8 |
| 37.5° | 385.4 | 388.7 | 391.5 | 395.6 | 406.0 | 416.6 | 433.5 | 457.2 | 489.4 | 534.1 | 591.2 |
| 40° | 368.2 | 371.0 | 375.2 | 377.0 | 385.4 | 394.9 | 408.7 | 430.5 | 462.9 | 503.7 | 559.3 |
| 42.5° | 350.7 | 353.5 | 356.1 | 358.2 | 365.4 | 373.8 | 386.2 | 404.9 | 433.6 | 473.3 | 528.4 |
| 45° | 327.0 | 327.3 | 329.8 | 333.7 | 337.2 | 343.2 | 352.0 | 368.2 | 390.4 | 427.7 | 477.7 |
| 47.5° | 302.9 | 303.3 | 303.8 | 305.5 | 309.3 | 314.7 | 320.6 | 333.8 | 353.6 | 383.4 | 432.1 |
| 50° | 286.9 | 286.2 | 286.9 | 288.3 | 290.8 | 295.3 | 302.0 | 311.5 | 327.7 | 355.5 | 400.2 |
| 52.5° | 271.4 | 271.3 | 270.8 | 271.4 | 273.3 | 276.4 | 281.2 | 289.3 | 303.8 | 329.3 | 368.7 |
| 55° | 247.8 | 246.0 | 246.4 | 245.0 | 248.2 | 248.8 | 252.4 | 259.1 | 271.7 | 289.4 | 326.3 |
| 57.5° | 222.6 | 221.2 | 219.6 | 219.2 | 219.0 | 220.8 | 223.7 | 228.9 | 238.7 | 254.1 | 284.1 |
| 60° | 206.6 | 204.9 | 202.7 | 202.1 | 202.1 | 203.1 | 204.5 | 208.4 | 217.5 | 231.3 | 255.9 |
| 62.5° | 190.3 | 188.2 | 187.0 | 185.1 | 184.5 | 185.7 | 187.1 | 189.8 | 196.4 | 209.3 | 230.5 |
| 65° | 165.1 | 162.6 | 160.9 | 160.5 | 159.9 | 158.7 | 159.5 | 162.3 | 167.6 | 177.8 | 194.6 |
| 67.5° | 139.8 | 137.5 | 137.0 | 135.1 | 134.0 | 134.2 | 134.0 | 136.5 | 139.6 | 148.4 | 161.0 |
| 70° | 123.2 | 121.4 | 120.7 | 118.9 | 118.3 | 117.5 | 116.9 | 118.9 | 122.2 | 129.5 | 140.4 |
| 72.5° | 106.3 | 104.8 | 103.3 | 101.8 | 102.0 | 101.2 | 101.1 | 102.4 | 105.0 | 111.8 | 120.2 |
| 75° | 82.0 | 82.4 | 80.6 | 78.9 | 78.5 | 77.8 | 77.8 | 78.9 | 79.9 | 85.2 | 91.9 |
| 77.5° | 59.5 | 59.2 | 57.7 | 57.1 | 56.8 | 56.1 | 56.8 | 57.5 | 58.1 | 61.6 | 66.5 |
| 80° | 45.4 | 45.4 | 43.6 | 43.6 | 43.3 | 42.2 | 43.3 | 42.6 | 44.0 | 47.5 | 51.1 |
| 82.5° | 32.4 | 31.9 | 31.9 | 31.3 | 31.2 | 30.4 | 30.9 | 31.6 | 32.1 | 34.6 | 36.7 |
| 85° | 15.8 | 15.8 | 15.5 | 15.2 | 15.5 | 15.2 | 15.5 | 15.8 | 16.2 | 17.2 | 19.0 |
| 87.5° | 10.9 | 11.3 | 10.6 | 9.7 | 8.7 | 7.9 | 7.4 | 7.1 | 7.0 | 6.7 | 6.4 |
| 90° | 37.8 | 38.4 | 33.0 | 27.6 | 22.2 | 16.9 | 12.8 | 9.9 | 7.0 | 4.1 | 1.1 |
| 92.5° | 34.9 | 34.8 | 33.6 | 32.3 | 31.0 | 29.8 | 28.1 | 25.9 | 23.8 | 21.6 | 19.5 |
| 95° | 70.0 | 70.0 | 69.6 | 69.1 | 68.6 | 68.1 | 66.6 | 64.2 | 61.8 | 59.4 | 56.9 |
| 97.5° | 117.8 | 117.8 | 116.9 | 115.9 | 115.0 | 114.1 | 112.5 | 110.5 | 108.3 | 106.1 | 104.1 |
| 100° | 151.1 | 151.1 | 150.3 | 149.6 | 148.9 | 148.2 | 146.8 | 144.9 | 143.0 | 141.0 | 139.0 |
| 102.5° | 187.2 | 187.0 | 186.1 | 185.1 | 184.3 | 183.3 | 182.1 | 180.5 | 179.0 | 177.4 | 175.9 |
| 105° | 241.4 | 240.8 | 240.3 | 239.9 | 239.4 | 238.9 | 238.3 | 237.6 | 236.9 | 236.1 | 235.4 |
| 107.5° | 300.4 | 300.2 | 300.2 | 300.2 | 300.2 | 300.2 | 299.6 | 298.6 | 297.6 | 296.4 | 295.4 |
| 110° | 340.5 | 340.5 | 340.5 | 340.5 | 340.5 | 340.5 | 339.8 | 338.3 | 336.9 | 335.4 | 333.9 |



TEST NUMBER: P331322-830

CATALOG NUMBER: S122DIP-S485D1080U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 381.1 | 381.6 | 381.8 | 382.0 | 382.2 | 382.5 | 381.8 | 380.3 | 378.9 | 377.4 | 376.0 |
| 115° | 442.1 | 442.3 | 442.8 | 443.3 | 443.7 | 444.2 | 443.7 | 442.3 | 440.8 | 439.4 | 437.9 |
| 117.5° | 501.7 | 502.3 | 503.7 | 505.0 | 506.4 | 507.7 | 507.5 | 505.5 | 503.6 | 501.6 | 499.6 |
| 120° | 540.8 | 540.8 | 542.8 | 544.8 | 546.7 | 548.7 | 548.7 | 546.7 | 544.8 | 542.8 | 540.8 |
| 122.5° | 582.3 | 582.9 | 584.3 | 585.6 | 587.0 | 588.3 | 587.9 | 585.5 | 583.2 | 580.9 | 578.5 |
| 125° | 643.0 | 643.8 | 644.5 | 645.3 | 645.9 | 646.7 | 645.9 | 643.8 | 641.6 | 639.4 | 637.2 |
| 127.5° | 702.0 | 702.9 | 703.8 | 704.6 | 705.5 | 706.4 | 705.4 | 702.7 | 699.9 | 697.1 | 694.4 |
| 130° | 741.8 | 742.3 | 742.8 | 743.3 | 743.8 | 744.2 | 742.9 | 739.7 | 736.6 | 733.4 | 730.3 |
| 132.5° | 781.6 | 782.6 | 782.5 | 782.4 | 782.3 | 782.2 | 780.9 | 778.3 | 775.7 | 773.2 | 770.5 |
| 135° | 838.4 | 838.7 | 838.2 | 837.6 | 837.2 | 836.7 | 835.1 | 832.5 | 829.8 | 827.1 | 824.4 |
| 137.5° | 893.6 | 893.8 | 893.2 | 892.6 | 891.9 | 891.3 | 889.9 | 887.7 | 885.5 | 883.4 | 881.1 |
| 140° | 930.6 | 930.6 | 929.4 | 928.2 | 927.0 | 925.8 | 924.1 | 921.9 | 919.6 | 917.5 | 915.3 |
| 142.5° | 964.1 | 963.9 | 963.1 | 962.2 | 961.4 | 960.5 | 959.0 | 956.9 | 954.7 | 952.5 | 950.4 |
| 145° | 1015.1 | 1014.9 | 1013.4 | 1012.0 | 1010.5 | 1009.1 | 1007.5 | 1005.8 | 1004.1 | 1002.4 | 1000.7 |
| 147.5° | 1059.7 | 1059.1 | 1058.2 | 1057.2 | 1056.2 | 1055.3 | 1053.8 | 1051.7 | 1049.6 | 1047.6 | 1045.6 |
| 150° | 1087.9 | 1087.2 | 1086.2 | 1085.2 | 1084.3 | 1083.3 | 1082.0 | 1080.6 | 1079.1 | 1077.7 | 1076.2 |
| 152.5° | 1116.2 | 1115.2 | 1114.1 | 1112.9 | 1111.7 | 1110.5 | 1109.2 | 1107.8 | 1106.3 | 1104.8 | 1103.3 |
| 155° | 1151.9 | 1150.7 | 1150.0 | 1149.2 | 1148.5 | 1147.7 | 1147.1 | 1146.3 | 1145.6 | 1144.8 | 1144.2 |
| 157.5° | 1184.8 | 1183.1 | 1182.6 | 1182.2 | 1181.8 | 1181.3 | 1180.9 | 1180.3 | 1179.9 | 1179.4 | 1178.9 |
| 160° | 1204.7 | 1203.2 | 1203.0 | 1202.8 | 1202.5 | 1202.2 | 1201.9 | 1201.4 | 1200.9 | 1200.4 | 1200.0 |
| 162.5° | 1222.4 | 1220.8 | 1220.5 | 1220.2 | 1220.0 | 1219.7 | 1219.7 | 1219.5 | 1219.4 | 1219.3 | 1219.2 |
| 165° | 1245.5 | 1243.8 | 1243.8 | 1243.8 | 1243.8 | 1243.8 | 1243.9 | 1244.1 | 1244.3 | 1244.6 | 1244.8 |
| 167.5° | 1264.5 | 1262.8 | 1262.8 | 1262.9 | 1262.9 | 1263.0 | 1263.4 | 1264.1 | 1264.8 | 1265.6 | 1266.3 |
| 170° | 1275.0 | 1273.3 | 1273.6 | 1273.8 | 1274.0 | 1274.3 | 1274.8 | 1275.4 | 1276.2 | 1277.0 | 1277.7 |
| 172.5° | 1282.9 | 1281.2 | 1281.4 | 1281.7 | 1282.0 | 1282.1 | 1282.6 | 1283.4 | 1284.1 | 1284.9 | 1285.5 |
| 175° | 1291.5 | 1289.7 | 1290.2 | 1290.7 | 1291.2 | 1291.7 | 1292.3 | 1293.0 | 1293.7 | 1294.5 | 1295.2 |
| 177.5° | 1295.9 | 1294.8 | 1295.1 | 1295.5 | 1295.9 | 1296.3 | 1296.8 | 1297.4 | 1298.0 | 1298.5 | 1299.1 |
| 180° | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 |



TEST NUMBER: P331322-830

CATALOG NUMBER: S122DIP-S485D1080U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 |
| 2.5° | 920.7 | 922.1 | 926.6 | 931.1 | 936.1 | 937.5 | 939.8 | 937.8 | 937.3 | 942.6 | 946.6 |
| 5° | 923.3 | 929.6 | 942.0 | 953.2 | 962.7 | 969.4 | 976.5 | 979.3 | 984.6 | 991.9 | 1001.1 |
| 7.5° | 920.3 | 932.6 | 952.1 | 968.5 | 986.3 | 999.2 | 1009.3 | 1017.9 | 1028.2 | 1042.3 | 1057.5 |
| 10° | 917.0 | 933.5 | 957.1 | 977.1 | 999.0 | 1015.5 | 1029.3 | 1042.6 | 1058.1 | 1077.5 | 1097.5 |
| 12.5° | 910.8 | 930.4 | 959.9 | 983.6 | 1011.6 | 1027.9 | 1046.4 | 1075.3 | 1091.9 | 1118.9 | 1147.1 |
| 15° | 898.3 | 920.1 | 961.3 | 990.5 | 1022.2 | 1053.2 | 1087.3 | 1114.7 | 1142.3 | 1158.1 | 1197.9 |
| 17.5° | 879.8 | 911.8 | 957.4 | 991.6 | 1031.8 | 1080.5 | 1118.9 | 1150.1 | 1181.8 | 1207.4 | 1227.4 |
| 20° | 864.9 | 899.8 | 951.8 | 992.7 | 1040.5 | 1093.0 | 1137.0 | 1168.7 | 1196.1 | 1217.6 | 1229.9 |
| 22.5° | 846.0 | 889.9 | 940.6 | 988.4 | 1049.5 | 1101.5 | 1147.6 | 1172.6 | 1195.5 | 1206.0 | 1210.7 |
| 25° | 816.2 | 869.1 | 926.4 | 984.9 | 1053.9 | 1108.8 | 1151.0 | 1166.2 | 1172.9 | 1162.6 | 1145.8 |
| 27.5° | 784.3 | 843.1 | 910.2 | 978.3 | 1051.2 | 1104.0 | 1134.3 | 1131.9 | 1120.6 | 1087.5 | 1061.1 |
| 30° | 760.3 | 825.1 | 897.2 | 971.5 | 1044.7 | 1096.1 | 1113.7 | 1096.1 | 1070.4 | 1033.5 | 995.8 |
| 32.5° | 735.3 | 802.3 | 883.4 | 962.0 | 1032.9 | 1078.1 | 1081.9 | 1051.6 | 1011.8 | 969.9 | 922.8 |
| 35° | 697.3 | 769.9 | 857.4 | 940.6 | 1007.8 | 1036.3 | 1019.4 | 965.9 | 918.7 | 861.4 | 797.3 |
| 37.5° | 654.4 | 734.5 | 822.4 | 909.2 | 970.2 | 977.6 | 935.7 | 879.3 | 812.8 | 745.4 | 670.0 |
| 40° | 622.4 | 707.2 | 797.7 | 885.2 | 939.1 | 931.4 | 877.9 | 816.0 | 736.7 | 654.4 | 584.3 |
| 42.5° | 593.6 | 678.4 | 770.6 | 856.6 | 899.8 | 878.4 | 816.0 | 739.9 | 654.8 | 577.2 | 513.1 |
| 45° | 543.8 | 631.1 | 725.5 | 808.5 | 833.2 | 794.8 | 712.1 | 627.6 | 543.8 | 479.1 | 428.4 |
| 47.5° | 495.6 | 581.8 | 675.2 | 748.3 | 757.1 | 705.4 | 615.0 | 528.1 | 456.1 | 403.3 | 367.6 |
| 50° | 460.1 | 546.7 | 639.2 | 704.4 | 701.5 | 639.2 | 546.3 | 463.5 | 403.4 | 360.8 | 336.9 |
| 52.5° | 428.2 | 510.0 | 599.0 | 658.2 | 643.3 | 575.3 | 486.6 | 413.2 | 363.7 | 330.4 | 308.7 |
| 55° | 378.7 | 454.4 | 538.9 | 586.4 | 559.0 | 483.6 | 408.7 | 349.5 | 312.9 | 287.9 | 271.1 |
| 57.5° | 329.6 | 400.6 | 472.9 | 502.2 | 471.8 | 402.3 | 339.8 | 296.9 | 269.4 | 250.8 | 239.9 |
| 60° | 299.2 | 361.2 | 425.6 | 450.9 | 414.6 | 352.7 | 303.4 | 265.0 | 242.9 | 227.7 | 217.9 |
| 62.5° | 268.8 | 324.2 | 385.0 | 398.8 | 365.6 | 313.3 | 269.7 | 237.7 | 219.5 | 206.0 | 196.8 |
| 65° | 227.4 | 272.8 | 319.0 | 328.1 | 297.5 | 256.9 | 222.4 | 201.7 | 185.5 | 175.7 | 168.2 |
| 67.5° | 186.5 | 222.9 | 255.6 | 263.0 | 236.2 | 208.1 | 183.1 | 165.1 | 154.1 | 145.9 | 139.7 |
| 70° | 162.3 | 191.1 | 217.9 | 223.9 | 202.4 | 177.4 | 158.4 | 143.9 | 134.1 | 127.1 | 121.1 |
| 72.5° | 136.7 | 160.7 | 182.9 | 187.0 | 169.5 | 150.3 | 134.8 | 123.4 | 114.7 | 110.2 | 104.4 |
| 75° | 104.5 | 118.7 | 135.9 | 137.0 | 125.4 | 113.7 | 101.7 | 94.3 | 89.7 | 84.2 | 81.3 |
| 77.5° | 73.8 | 84.8 | 94.7 | 96.6 | 89.7 | 81.8 | 75.1 | 69.3 | 65.4 | 62.8 | 60.2 |
| 80° | 56.4 | 65.1 | 69.4 | 71.8 | 66.9 | 61.3 | 57.4 | 53.5 | 51.1 | 49.3 | 47.5 |
| 82.5° | 40.2 | 45.7 | 49.7 | 51.6 | 48.8 | 45.5 | 41.6 | 39.4 | 37.5 | 36.0 | 35.4 |
| 85° | 20.5 | 22.9 | 25.4 | 26.0 | 25.4 | 23.9 | 21.9 | 21.9 | 20.7 | 20.5 | 20.5 |
| 87.5° | 7.8 | 9.5 | 10.2 | 11.6 | 11.9 | 12.9 | 13.9 | 14.8 | 15.6 | 15.2 | 14.8 |
| 90° | 4.1 | 7.0 | 9.9 | 12.8 | 16.9 | 22.2 | 27.6 | 33.0 | 38.4 | 37.8 | 37.3 |
| 92.5° | 21.6 | 23.8 | 25.9 | 28.1 | 29.8 | 31.0 | 32.3 | 33.6 | 34.8 | 34.9 | 35.0 |
| 95° | 59.4 | 61.8 | 64.2 | 66.6 | 68.1 | 68.6 | 69.1 | 69.6 | 70.0 | 70.0 | 70.0 |
| 97.5° | 106.1 | 108.3 | 110.5 | 112.5 | 114.1 | 115.0 | 115.9 | 116.9 | 117.8 | 117.8 | 117.8 |
| 100° | 141.0 | 143.0 | 144.9 | 146.8 | 148.2 | 148.9 | 149.6 | 150.3 | 151.1 | 151.1 | 151.1 |
| 102.5° | 177.4 | 179.0 | 180.5 | 182.1 | 183.3 | 184.3 | 185.1 | 186.1 | 187.0 | 187.2 | 187.4 |
| 105° | 236.1 | 236.9 | 237.6 | 238.3 | 238.9 | 239.4 | 239.9 | 240.3 | 240.8 | 241.4 | 241.9 |
| 107.5° | 296.4 | 297.6 | 298.6 | 299.6 | 300.2 | 300.2 | 300.2 | 300.2 | 300.2 | 300.4 | 300.6 |
| 110° | 335.4 | 336.9 | 338.3 | 339.8 | 340.5 | 340.5 | 340.5 | 340.5 | 340.5 | 340.5 | 340.5 |



TEST NUMBER: P331322-830

CATALOG NUMBER: S122DIP-S485D1080U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 377.4 | 378.9 | 380.3 | 381.8 | 382.5 | 382.2 | 382.0 | 381.8 | 381.6 | 381.1 | 380.5 |
| 115° | 439.4 | 440.8 | 442.3 | 443.7 | 444.2 | 443.7 | 443.3 | 442.8 | 442.3 | 442.1 | 441.9 |
| 117.5° | 501.6 | 503.6 | 505.5 | 507.5 | 507.7 | 506.4 | 505.0 | 503.7 | 502.3 | 501.7 | 501.1 |
| 120° | 542.8 | 544.8 | 546.7 | 548.7 | 548.7 | 546.7 | 544.8 | 542.8 | 540.8 | 540.8 | 540.8 |
| 122.5° | 580.9 | 583.2 | 585.5 | 587.9 | 588.3 | 587.0 | 585.6 | 584.3 | 582.9 | 582.3 | 581.7 |
| 125° | 639.4 | 641.6 | 643.8 | 645.9 | 646.7 | 645.9 | 645.3 | 644.5 | 643.8 | 643.0 | 642.3 |
| 127.5° | 697.1 | 699.9 | 702.7 | 705.4 | 706.4 | 705.5 | 704.6 | 703.8 | 702.9 | 702.0 | 701.2 |
| 130° | 733.4 | 736.6 | 739.7 | 742.9 | 744.2 | 743.8 | 743.3 | 742.8 | 742.3 | 741.8 | 741.3 |
| 132.5° | 773.2 | 775.7 | 778.3 | 780.9 | 782.2 | 782.3 | 782.4 | 782.5 | 782.6 | 781.6 | 780.4 |
| 135° | 827.1 | 829.8 | 832.5 | 835.1 | 836.7 | 837.2 | 837.6 | 838.2 | 838.7 | 838.4 | 838.2 |
| 137.5° | 883.4 | 885.5 | 887.7 | 889.9 | 891.3 | 891.9 | 892.6 | 893.2 | 893.8 | 893.6 | 893.4 |
| 140° | 917.5 | 919.6 | 921.9 | 924.1 | 925.8 | 927.0 | 928.2 | 929.4 | 930.6 | 930.6 | 930.6 |
| 142.5° | 952.5 | 954.7 | 956.9 | 959.0 | 960.5 | 961.4 | 962.2 | 963.1 | 963.9 | 964.1 | 964.3 |
| 145° | 1002.4 | 1004.1 | 1005.8 | 1007.5 | 1009.1 | 1010.5 | 1012.0 | 1013.4 | 1014.9 | 1015.1 | 1015.4 |
| 147.5° | 1047.6 | 1049.6 | 1051.7 | 1053.8 | 1055.3 | 1056.2 | 1057.2 | 1058.2 | 1059.1 | 1059.7 | 1060.3 |
| 150° | 1077.7 | 1079.1 | 1080.6 | 1082.0 | 1083.3 | 1084.3 | 1085.2 | 1086.2 | 1087.2 | 1087.9 | 1088.6 |
| 152.5° | 1104.8 | 1106.3 | 1107.8 | 1109.2 | 1110.5 | 1111.7 | 1112.9 | 1114.1 | 1115.2 | 1116.2 | 1117.1 |
| 155° | 1144.8 | 1145.6 | 1146.3 | 1147.1 | 1147.7 | 1148.5 | 1149.2 | 1150.0 | 1150.7 | 1151.9 | 1153.1 |
| 157.5° | 1179.4 | 1179.9 | 1180.3 | 1180.9 | 1181.3 | 1181.8 | 1182.2 | 1182.6 | 1183.1 | 1184.8 | 1186.4 |
| 160° | 1200.4 | 1200.9 | 1201.4 | 1201.9 | 1202.2 | 1202.5 | 1202.8 | 1203.0 | 1203.2 | 1204.7 | 1206.2 |
| 162.5° | 1219.3 | 1219.4 | 1219.5 | 1219.7 | 1219.7 | 1220.0 | 1220.2 | 1220.5 | 1220.8 | 1222.4 | 1224.1 |
| 165° | 1244.6 | 1244.3 | 1244.1 | 1243.9 | 1243.8 | 1243.8 | 1243.8 | 1243.8 | 1243.8 | 1245.5 | 1247.2 |
| 167.5° | 1265.6 | 1264.8 | 1264.1 | 1263.4 | 1263.0 | 1262.9 | 1262.9 | 1262.8 | 1262.8 | 1264.5 | 1266.2 |
| 170° | 1277.0 | 1276.2 | 1275.4 | 1274.8 | 1274.3 | 1274.0 | 1273.8 | 1273.6 | 1273.3 | 1275.0 | 1276.7 |
| 172.5° | 1284.9 | 1284.1 | 1283.4 | 1282.6 | 1282.1 | 1282.0 | 1281.7 | 1281.4 | 1281.2 | 1282.9 | 1284.6 |
| 175° | 1294.5 | 1293.7 | 1293.0 | 1292.3 | 1291.7 | 1291.2 | 1290.7 | 1290.2 | 1289.7 | 1291.5 | 1293.2 |
| 177.5° | 1298.5 | 1298.0 | 1297.4 | 1296.8 | 1296.3 | 1295.9 | 1295.5 | 1295.1 | 1294.8 | 1295.9 | 1297.1 |
| 180° | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 |



TEST NUMBER: P331322-830

CATALOG NUMBER: S122DIP-S485D1080U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 | 915.9 |
| 2.5° | 950.0 | 953.9 | 953.9 | 954.5 | 958.9 | 958.5 | 958.2 |
| 5° | 1011.0 | 1016.9 | 1017.7 | 1024.0 | 1028.2 | 1026.8 | 1022.9 |
| 7.5° | 1068.5 | 1079.6 | 1088.1 | 1092.8 | 1098.3 | 1101.7 | 1100.2 |
| 10° | 1114.1 | 1130.3 | 1140.1 | 1146.8 | 1154.9 | 1160.9 | 1158.8 |
| 12.5° | 1155.5 | 1174.8 | 1188.3 | 1199.8 | 1200.8 | 1208.5 | 1203.2 |
| 15° | 1220.0 | 1240.5 | 1242.6 | 1251.0 | 1257.7 | 1257.0 | 1257.4 |
| 17.5° | 1241.3 | 1247.9 | 1249.2 | 1249.4 | 1249.5 | 1247.1 | 1241.7 |
| 20° | 1233.8 | 1231.3 | 1225.3 | 1220.8 | 1212.7 | 1211.5 | 1204.6 |
| 22.5° | 1197.7 | 1189.9 | 1174.9 | 1165.0 | 1152.4 | 1149.1 | 1147.1 |
| 25° | 1126.7 | 1109.5 | 1085.5 | 1062.7 | 1056.3 | 1044.1 | 1047.5 |
| 27.5° | 1029.4 | 1002.5 | 976.6 | 958.0 | 941.2 | 922.7 | 928.0 |
| 30° | 960.9 | 930.7 | 894.1 | 865.9 | 848.0 | 830.4 | 827.2 |
| 32.5° | 879.3 | 834.9 | 794.1 | 769.3 | 741.8 | 730.7 | 718.5 |
| 35° | 738.5 | 695.2 | 654.7 | 619.9 | 599.8 | 584.3 | 570.2 |
| 37.5° | 611.8 | 562.0 | 529.3 | 501.1 | 486.6 | 477.8 | 479.9 |
| 40° | 533.3 | 489.7 | 465.7 | 444.2 | 430.8 | 424.5 | 425.9 |
| 42.5° | 469.7 | 437.0 | 417.3 | 402.6 | 393.1 | 389.6 | 388.7 |
| 45° | 397.4 | 379.1 | 362.9 | 354.5 | 349.9 | 346.0 | 343.6 |
| 47.5° | 348.2 | 333.2 | 324.0 | 319.1 | 315.0 | 311.1 | 311.0 |
| 50° | 318.6 | 308.7 | 302.4 | 297.1 | 293.9 | 291.1 | 293.6 |
| 52.5° | 296.1 | 287.0 | 280.7 | 276.0 | 274.8 | 272.2 | 272.2 |
| 55° | 262.6 | 255.5 | 251.0 | 246.8 | 244.7 | 243.3 | 241.5 |
| 57.5° | 232.1 | 225.5 | 221.3 | 218.6 | 214.6 | 213.2 | 212.6 |
| 60° | 210.5 | 205.2 | 201.0 | 197.5 | 195.7 | 192.9 | 192.9 |
| 62.5° | 190.5 | 185.2 | 181.3 | 178.6 | 175.7 | 174.6 | 174.8 |
| 65° | 161.6 | 157.3 | 153.4 | 150.6 | 150.0 | 147.9 | 148.5 |
| 67.5° | 135.0 | 132.1 | 128.1 | 126.5 | 125.2 | 124.0 | 123.2 |
| 70° | 117.3 | 114.4 | 112.3 | 110.2 | 109.1 | 109.1 | 109.1 |
| 72.5° | 102.3 | 98.9 | 97.6 | 95.0 | 95.6 | 94.4 | 93.3 |
| 75° | 79.2 | 77.1 | 76.1 | 74.9 | 73.2 | 73.2 | 73.2 |
| 77.5° | 58.2 | 57.7 | 56.4 | 55.2 | 54.9 | 54.5 | 54.7 |
| 80° | 45.1 | 44.7 | 44.0 | 44.0 | 43.3 | 43.0 | 42.2 |
| 82.5° | 34.6 | 33.7 | 33.3 | 33.0 | 32.9 | 32.8 | 32.7 |
| 85° | 19.7 | 19.0 | 19.0 | 19.3 | 18.7 | 18.7 | 19.0 |
| 87.5° | 15.0 | 14.9 | 14.6 | 14.6 | 15.0 | 14.7 | 14.8 |
| 90° | 36.9 | 36.4 | 36.3 | 36.5 | 36.8 | 36.9 | 37.2 |
| 92.5° | 35.1 | 35.3 | 35.3 | 35.3 | 35.3 | 35.4 | 35.4 |
| 95° | 70.0 | 70.0 | 69.8 | 69.4 | 68.9 | 68.3 | 67.9 |
| 97.5° | 117.8 | 117.8 | 117.8 | 117.7 | 117.7 | 117.6 | 117.6 |
| 100° | 151.1 | 151.1 | 151.0 | 150.7 | 150.5 | 150.2 | 150.0 |
| 102.5° | 187.6 | 187.8 | 187.8 | 187.5 | 187.3 | 187.0 | 186.8 |
| 105° | 242.3 | 242.8 | 243.1 | 243.1 | 243.1 | 243.1 | 243.1 |
| 107.5° | 300.8 | 301.0 | 300.5 | 299.4 | 298.3 | 297.2 | 296.1 |
| 110° | 340.5 | 340.5 | 340.2 | 339.4 | 338.7 | 337.9 | 337.2 |



TEST NUMBER: P331322-830

CATALOG NUMBER: S122DIP-S485D1080U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 379.9 | 379.4 | 378.8 | 378.2 | 377.7 | 377.2 | 376.6 |
| 115° | 441.6 | 441.3 | 440.8 | 440.2 | 439.4 | 438.7 | 437.9 |
| 117.5° | 500.6 | 500.0 | 499.4 | 498.6 | 497.9 | 497.1 | 496.4 |
| 120° | 540.8 | 540.8 | 540.5 | 539.8 | 539.0 | 538.3 | 537.5 |
| 122.5° | 581.2 | 580.5 | 580.0 | 579.5 | 578.9 | 578.4 | 577.9 |
| 125° | 641.6 | 640.8 | 640.4 | 640.1 | 639.9 | 639.6 | 639.4 |
| 127.5° | 700.2 | 699.4 | 698.5 | 697.8 | 697.0 | 696.3 | 695.4 |
| 130° | 740.8 | 740.4 | 739.6 | 738.7 | 737.6 | 736.7 | 735.7 |
| 132.5° | 779.4 | 778.4 | 777.4 | 776.7 | 775.8 | 775.1 | 774.3 |
| 135° | 837.9 | 837.6 | 837.2 | 836.4 | 835.8 | 835.0 | 834.2 |
| 137.5° | 893.2 | 893.1 | 892.5 | 891.5 | 890.5 | 889.6 | 888.5 |
| 140° | 930.6 | 930.6 | 930.1 | 929.2 | 928.2 | 927.2 | 926.2 |
| 142.5° | 964.5 | 964.7 | 964.3 | 963.3 | 962.3 | 961.4 | 960.4 |
| 145° | 1015.7 | 1015.9 | 1015.5 | 1014.6 | 1013.6 | 1012.6 | 1011.6 |
| 147.5° | 1060.7 | 1061.3 | 1061.1 | 1060.2 | 1059.2 | 1058.3 | 1057.4 |
| 150° | 1089.4 | 1090.1 | 1090.1 | 1089.4 | 1088.6 | 1087.9 | 1087.2 |
| 152.5° | 1117.9 | 1118.9 | 1118.9 | 1117.9 | 1117.1 | 1116.2 | 1115.2 |
| 155° | 1154.3 | 1155.6 | 1155.7 | 1155.1 | 1154.3 | 1153.6 | 1152.8 |
| 157.5° | 1188.1 | 1189.7 | 1190.0 | 1188.7 | 1187.6 | 1186.5 | 1185.2 |
| 160° | 1207.6 | 1209.1 | 1209.3 | 1208.3 | 1207.4 | 1206.4 | 1205.4 |
| 162.5° | 1225.7 | 1227.4 | 1227.6 | 1226.4 | 1225.3 | 1224.1 | 1222.9 |
| 165° | 1248.9 | 1250.6 | 1250.8 | 1249.6 | 1248.4 | 1247.2 | 1245.9 |
| 167.5° | 1267.9 | 1269.6 | 1269.8 | 1268.6 | 1267.2 | 1266.0 | 1264.8 |
| 170° | 1278.4 | 1280.1 | 1280.3 | 1278.7 | 1277.3 | 1275.8 | 1274.4 |
| 172.5° | 1286.3 | 1288.0 | 1288.1 | 1286.7 | 1285.2 | 1283.7 | 1282.2 |
| 175° | 1294.9 | 1296.6 | 1296.7 | 1295.2 | 1293.7 | 1292.3 | 1290.8 |
| 177.5° | 1298.3 | 1299.4 | 1299.4 | 1298.3 | 1297.1 | 1295.9 | 1294.8 |
| 180° | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 | 1297.4 |

(END OF REPORT)