

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: P331287-935

Luminaire Tested: **S122DIP-S485D330U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331287-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIP-S485D330U935-4F0-1E-UDD-A4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 330 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2948.1 lumens
Efficiency: N/A
Efficacy: 107.2 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-Direct

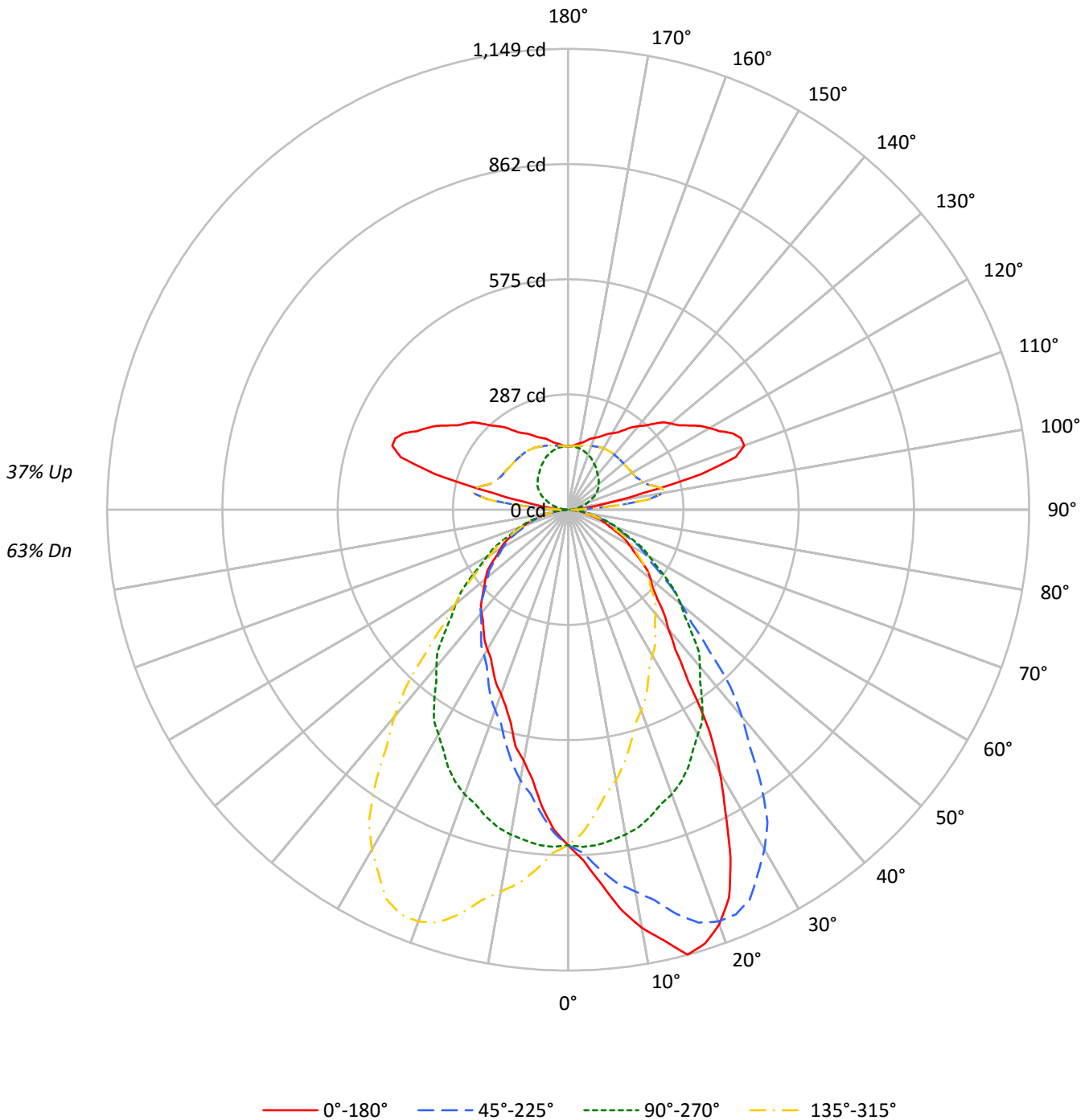
Input Watts (W): 27.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331287-935

CATALOG NUMBER: S122DIP-S485D330U935-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P331287-935

CATALOG NUMBER: S122DIP-S485D330U935-4F0-1E-UDD-A4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 110 | 110 | 110 | 110 | 103 | 103 | 103 | 103 | 90 | 90 | 90 | 79 | 79 | 79 | 68 | 68 | 68 | 63 |
| 1 | 101 | 97 | 93 | 90 | 95 | 91 | 88 | 85 | 80 | 78 | 76 | 70 | 68 | 67 | 61 | 60 | 58 | 54 |
| 2 | 93 | 85 | 79 | 74 | 87 | 80 | 75 | 71 | 71 | 67 | 64 | 62 | 59 | 57 | 54 | 52 | 50 | 46 |
| 3 | 85 | 76 | 69 | 63 | 79 | 71 | 65 | 60 | 63 | 58 | 54 | 56 | 52 | 49 | 49 | 46 | 43 | 40 |
| 4 | 78 | 67 | 60 | 54 | 73 | 64 | 57 | 51 | 57 | 51 | 47 | 50 | 46 | 42 | 44 | 41 | 38 | 35 |
| 5 | 72 | 60 | 52 | 47 | 67 | 57 | 50 | 45 | 51 | 45 | 41 | 45 | 41 | 37 | 40 | 36 | 33 | 31 |
| 6 | 67 | 55 | 47 | 41 | 62 | 52 | 44 | 39 | 46 | 40 | 36 | 41 | 36 | 33 | 36 | 33 | 30 | 27 |
| 7 | 62 | 50 | 42 | 36 | 58 | 47 | 40 | 35 | 42 | 36 | 32 | 38 | 33 | 29 | 33 | 30 | 27 | 24 |
| 8 | 57 | 45 | 38 | 32 | 54 | 43 | 36 | 31 | 39 | 33 | 29 | 35 | 30 | 26 | 31 | 27 | 24 | 22 |
| 9 | 54 | 42 | 34 | 29 | 50 | 39 | 33 | 28 | 36 | 30 | 26 | 32 | 27 | 24 | 29 | 25 | 22 | 20 |
| 10 | 50 | 38 | 31 | 26 | 47 | 36 | 30 | 25 | 33 | 27 | 24 | 30 | 25 | 22 | 27 | 23 | 20 | 18 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 13508 | 13508 | 13508 | 13508 |
| 5° | 15144 | 13598 | 12049 | 13598 |
| 10° | 17354 | 13485 | 10427 | 13485 |
| 15° | 19199 | 13237 | 9212 | 13237 |
| 20° | 18907 | 12972 | 8399 | 12972 |
| 25° | 17047 | 12618 | 7883 | 12618 |
| 30° | 14087 | 12055 | 7506 | 12055 |
| 35° | 10267 | 11466 | 7238 | 11466 |
| 40° | 8201 | 10768 | 7088 | 10768 |
| 45° | 7165 | 9965 | 6887 | 9965 |
| 50° | 6737 | 9183 | 6752 | 9183 |
| 55° | 6210 | 8391 | 6570 | 8391 |
| 60° | 5690 | 7550 | 6290 | 7550 |
| 65° | 5184 | 6793 | 6021 | 6793 |
| 70° | 4707 | 6057 | 5618 | 6057 |
| 75° | 4173 | 5234 | 4972 | 5234 |
| 80° | 3589 | 4342 | 3998 | 4342 |
| 85° | 3223 | 3223 | 2371 | 3223 |



TEST NUMBER: P331287-935

CATALOG NUMBER: S122DIP-S485D330U935-4F0-1E-UDD-A4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 79.7 | 2.7 |
| 10°-20° | 231.6 | 7.9 |
| 20°-30° | 336.2 | 11.4 |
| 30°-40° | 354.8 | 12.0 |
| 40°-50° | 314.1 | 10.7 |
| 50°-60° | 250.7 | 8.5 |
| 60°-70° | 170.4 | 5.8 |
| 70°-80° | 87.4 | 3.0 |
| 80°-90° | 22.5 | 0.8 |
| 90°-100° | 63.3 | 2.1 |
| 100°-110° | 214.7 | 7.3 |
| 110°-120° | 228.0 | 7.7 |
| 120°-130° | 187.7 | 6.4 |
| 130°-140° | 150.7 | 5.1 |
| 140°-150° | 113.9 | 3.9 |
| 150°-160° | 80.1 | 2.7 |
| 160°-170° | 47.1 | 1.6 |
| 170°-180° | 15.3 | 0.5 |
| 0°-30° | 647.5 | 22.0 |
| 0°-40° | 1002.3 | 34.0 |
| 0°-60° | 1567.1 | 53.2 |
| 0°-90° | 1847.3 | 62.7 |
| 90°-120° | 505.9 | 17.2 |
| 90°-150° | 958.3 | 32.5 |
| 90°-180° | 1101.0 | 37.3 |
| 0°-180° | 2948.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|-----|------|------|------|------|
| 0° | 837 | 837 | 837 | 837 | 837 | |
| 5° | 934 | 839 | 743 | 839 | 934 | 93 |
| 15° | 1149 | 792 | 551 | 792 | 1149 | 317 |
| 25° | 957 | 708 | 442 | 708 | 957 | 432 |
| 35° | 521 | 582 | 367 | 582 | 521 | 339 |
| 45° | 314 | 436 | 302 | 436 | 314 | 247 |
| 55° | 221 | 298 | 233 | 298 | 221 | 198 |
| 65° | 136 | 178 | 158 | 178 | 136 | 135 |
| 75° | 67 | 84 | 80 | 84 | 67 | 71 |
| 85° | 17 | 17 | 13 | 17 | 17 | 19 |
| 90° | 10 | 0 | 10 | 0 | 10 | 6 |
| 95° | 35 | 11 | 35 | 11 | 35 | 45 |
| 105° | 343 | 37 | 343 | 37 | 343 | 332 |
| 115° | 451 | 65 | 451 | 65 | 451 | 442 |
| 125° | 366 | 91 | 366 | 91 | 366 | 331 |
| 135° | 303 | 107 | 303 | 107 | 303 | 236 |
| 145° | 242 | 122 | 242 | 122 | 242 | 154 |
| 155° | 204 | 139 | 204 | 139 | 204 | 95 |
| 165° | 179 | 152 | 179 | 152 | 179 | 51 |
| 175° | 161 | 158 | 161 | 158 | 161 | 16 |
| 180° | 158 | 158 | 158 | 158 | 158 | |



TEST NUMBER: P331287-935

CATALOG NUMBER: S122DIP-S485D330U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 |
| 2.5° | 875.3 | 875.6 | 876.0 | 871.9 | 871.4 | 871.4 | 867.8 | 864.7 | 861.1 | 856.2 | 856.7 |
| 5° | 934.4 | 938.0 | 939.3 | 935.4 | 929.6 | 928.9 | 923.5 | 914.5 | 906.1 | 899.4 | 894.6 |
| 7.5° | 1005.0 | 1006.4 | 1003.3 | 998.2 | 993.9 | 986.2 | 976.0 | 966.0 | 952.1 | 939.3 | 929.8 |
| 10° | 1058.5 | 1060.5 | 1055.0 | 1047.6 | 1041.5 | 1032.5 | 1017.7 | 1002.5 | 984.3 | 966.6 | 952.4 |
| 12.5° | 1099.2 | 1104.0 | 1096.9 | 1096.0 | 1085.5 | 1073.2 | 1055.5 | 1047.8 | 1022.1 | 997.5 | 982.2 |
| 15° | 1148.6 | 1148.2 | 1148.9 | 1142.8 | 1135.1 | 1133.2 | 1114.5 | 1094.2 | 1057.9 | 1043.4 | 1018.3 |
| 17.5° | 1134.3 | 1139.2 | 1141.4 | 1141.3 | 1141.2 | 1140.0 | 1133.9 | 1121.2 | 1102.9 | 1079.5 | 1050.6 |
| 20° | 1100.4 | 1106.7 | 1107.8 | 1115.2 | 1119.3 | 1124.8 | 1127.0 | 1123.5 | 1112.2 | 1092.6 | 1067.6 |
| 22.5° | 1047.8 | 1049.6 | 1052.7 | 1064.2 | 1073.2 | 1086.9 | 1094.1 | 1106.0 | 1101.6 | 1092.1 | 1071.2 |
| 25° | 956.9 | 953.7 | 964.9 | 970.8 | 991.6 | 1013.5 | 1029.2 | 1046.6 | 1062.0 | 1071.4 | 1065.3 |
| 27.5° | 847.7 | 842.9 | 859.8 | 875.1 | 892.1 | 915.8 | 940.3 | 969.3 | 993.4 | 1023.6 | 1034.0 |
| 30° | 755.6 | 758.5 | 774.6 | 791.0 | 816.7 | 850.2 | 877.8 | 909.6 | 944.1 | 977.8 | 1001.3 |
| 32.5° | 656.3 | 667.4 | 677.6 | 702.7 | 725.4 | 762.7 | 803.2 | 843.0 | 886.0 | 924.3 | 960.6 |
| 35° | 520.9 | 533.7 | 547.9 | 566.3 | 598.1 | 635.1 | 674.6 | 728.3 | 786.9 | 839.2 | 882.4 |
| 37.5° | 438.4 | 436.4 | 444.5 | 457.8 | 483.5 | 513.4 | 558.9 | 612.0 | 680.9 | 742.4 | 803.2 |
| 40° | 389.1 | 387.8 | 393.6 | 405.8 | 425.4 | 447.3 | 487.2 | 533.7 | 597.8 | 673.0 | 745.4 |
| 42.5° | 355.1 | 355.9 | 359.1 | 367.7 | 381.2 | 399.2 | 429.0 | 468.7 | 527.3 | 598.1 | 675.9 |
| 45° | 313.8 | 316.1 | 319.6 | 323.8 | 331.5 | 346.3 | 363.0 | 391.3 | 437.6 | 496.8 | 573.3 |
| 47.5° | 284.1 | 284.2 | 287.7 | 291.4 | 296.0 | 304.4 | 318.1 | 335.8 | 368.4 | 416.6 | 482.4 |
| 50° | 268.2 | 265.9 | 268.5 | 271.4 | 276.2 | 282.0 | 291.0 | 307.7 | 329.6 | 368.5 | 423.4 |
| 52.5° | 248.7 | 248.7 | 251.0 | 252.1 | 256.4 | 262.2 | 270.4 | 282.0 | 301.8 | 332.3 | 377.5 |
| 55° | 220.6 | 222.2 | 223.5 | 225.4 | 229.3 | 233.4 | 239.9 | 247.6 | 263.0 | 285.9 | 319.3 |
| 57.5° | 194.2 | 194.8 | 196.0 | 199.7 | 202.2 | 206.0 | 212.1 | 219.1 | 229.1 | 246.1 | 271.2 |
| 60° | 176.2 | 176.2 | 178.7 | 180.4 | 183.6 | 187.4 | 192.3 | 199.1 | 208.0 | 221.9 | 242.1 |
| 62.5° | 159.7 | 159.5 | 160.5 | 163.2 | 165.6 | 169.2 | 174.0 | 179.8 | 188.2 | 200.5 | 217.1 |
| 65° | 135.7 | 135.1 | 137.0 | 137.6 | 140.2 | 143.7 | 147.6 | 153.7 | 160.5 | 169.4 | 184.3 |
| 67.5° | 112.5 | 113.3 | 114.3 | 115.5 | 117.0 | 120.7 | 123.3 | 127.6 | 133.3 | 140.8 | 150.8 |
| 70° | 99.7 | 99.7 | 99.7 | 100.7 | 102.5 | 104.5 | 107.1 | 110.6 | 116.1 | 122.5 | 131.5 |
| 72.5° | 85.2 | 86.3 | 87.3 | 86.8 | 89.2 | 90.3 | 93.4 | 95.4 | 100.7 | 104.8 | 112.7 |
| 75° | 66.9 | 66.9 | 66.9 | 68.4 | 69.5 | 70.4 | 72.3 | 74.3 | 76.9 | 82.0 | 86.2 |
| 77.5° | 49.9 | 49.8 | 50.1 | 50.5 | 51.5 | 52.7 | 53.2 | 55.0 | 57.3 | 59.8 | 63.3 |
| 80° | 38.6 | 39.3 | 39.5 | 40.2 | 40.2 | 40.8 | 41.2 | 43.4 | 45.0 | 46.7 | 48.9 |
| 82.5° | 29.9 | 30.0 | 30.0 | 30.1 | 30.4 | 30.8 | 31.6 | 32.4 | 32.9 | 34.3 | 36.0 |
| 85° | 17.4 | 17.0 | 17.0 | 17.7 | 17.4 | 17.4 | 18.0 | 18.7 | 18.7 | 18.9 | 20.0 |
| 87.5° | 8.7 | 8.7 | 9.0 | 8.7 | 8.7 | 8.9 | 8.8 | 8.6 | 9.0 | 9.3 | 9.5 |
| 90° | 10.1 | 10.1 | 10.1 | 10.1 | 10.1 | 9.7 | 9.1 | 9.7 | 10.1 | 10.3 | 10.1 |
| 92.5° | 16.9 | 17.3 | 17.1 | 18.1 | 18.3 | 20.2 | 22.7 | 26.5 | 33.4 | 39.5 | 39.0 |
| 95° | 34.7 | 34.4 | 35.3 | 37.7 | 41.7 | 48.4 | 61.1 | 79.7 | 104.4 | 119.2 | 105.6 |
| 97.5° | 68.3 | 70.9 | 75.3 | 82.7 | 97.3 | 119.2 | 152.1 | 186.0 | 213.5 | 203.5 | 153.3 |
| 100° | 108.9 | 114.4 | 123.2 | 136.3 | 161.5 | 198.4 | 240.0 | 277.8 | 284.1 | 240.3 | 165.5 |
| 102.5° | 191.7 | 199.1 | 210.1 | 232.4 | 259.8 | 298.9 | 329.3 | 337.9 | 310.4 | 241.5 | 160.8 |
| 105° | 342.9 | 347.1 | 360.2 | 379.0 | 398.0 | 407.9 | 404.0 | 369.6 | 306.3 | 225.4 | 151.8 |
| 107.5° | 438.0 | 443.6 | 446.3 | 447.3 | 444.9 | 430.2 | 398.6 | 346.7 | 279.7 | 208.1 | 147.3 |
| 110° | 466.7 | 467.0 | 464.3 | 458.5 | 445.4 | 420.4 | 381.5 | 327.0 | 262.9 | 199.8 | 146.4 |



TEST NUMBER: P331287-935

CATALOG NUMBER: S122DIP-S485D330U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 466.1 | 464.5 | 459.3 | 449.7 | 431.5 | 402.9 | 361.3 | 309.0 | 251.2 | 194.5 | 146.5 |
| 115° | 451.2 | 448.4 | 440.5 | 426.5 | 404.9 | 373.6 | 333.7 | 286.9 | 236.7 | 188.6 | 147.8 |
| 117.5° | 424.3 | 422.0 | 413.7 | 398.9 | 376.9 | 347.5 | 311.3 | 270.2 | 227.6 | 185.7 | 150.1 |
| 120° | 407.1 | 404.0 | 395.2 | 380.9 | 359.6 | 331.9 | 299.6 | 261.9 | 222.7 | 184.1 | 151.5 |
| 122.5° | 389.0 | 386.5 | 378.7 | 364.5 | 345.4 | 320.5 | 289.9 | 255.4 | 218.5 | 183.0 | 153.2 |
| 125° | 366.0 | 363.5 | 355.9 | 344.4 | 326.7 | 303.9 | 277.2 | 245.8 | 212.7 | 181.3 | 155.8 |
| 127.5° | 345.8 | 343.8 | 337.3 | 326.4 | 311.0 | 290.0 | 264.8 | 236.3 | 207.2 | 180.3 | 158.3 |
| 130° | 334.3 | 331.9 | 325.8 | 315.5 | 300.6 | 280.5 | 256.5 | 230.3 | 203.5 | 179.8 | 160.3 |
| 132.5° | 322.4 | 320.2 | 314.6 | 304.3 | 289.6 | 270.8 | 248.7 | 224.5 | 200.6 | 179.5 | 162.3 |
| 135° | 303.3 | 302.1 | 296.6 | 286.5 | 273.5 | 256.5 | 236.3 | 216.3 | 196.5 | 179.2 | 164.6 |
| 137.5° | 284.6 | 282.8 | 277.9 | 269.3 | 257.4 | 242.5 | 226.6 | 209.8 | 193.6 | 179.1 | 166.7 |
| 140° | 271.6 | 269.8 | 265.3 | 257.4 | 247.6 | 234.3 | 220.2 | 205.6 | 191.9 | 178.9 | 167.6 |
| 142.5° | 258.7 | 258.4 | 254.3 | 247.1 | 237.9 | 226.7 | 214.6 | 202.2 | 190.3 | 178.9 | 168.3 |
| 145° | 242.1 | 241.3 | 238.2 | 233.0 | 225.8 | 216.9 | 207.5 | 197.4 | 188.0 | 178.2 | 169.1 |
| 147.5° | 228.3 | 227.6 | 225.6 | 221.4 | 215.4 | 209.0 | 201.6 | 193.7 | 185.7 | 177.2 | 169.4 |
| 150° | 220.0 | 219.6 | 217.8 | 214.1 | 209.6 | 204.1 | 197.8 | 191.1 | 183.7 | 176.4 | 169.1 |
| 152.5° | 212.9 | 212.8 | 211.5 | 208.4 | 204.7 | 200.0 | 194.6 | 188.4 | 182.0 | 175.2 | 168.7 |
| 155° | 203.5 | 204.1 | 202.9 | 200.8 | 197.4 | 194.1 | 189.5 | 184.7 | 178.9 | 173.1 | 167.9 |
| 157.5° | 195.5 | 195.5 | 195.0 | 193.2 | 190.9 | 188.2 | 184.4 | 180.4 | 175.9 | 170.9 | 166.5 |
| 160° | 190.5 | 190.5 | 190.1 | 188.6 | 186.5 | 184.3 | 181.0 | 177.6 | 173.7 | 169.4 | 165.8 |
| 162.5° | 185.5 | 185.8 | 185.5 | 184.5 | 182.4 | 180.7 | 177.9 | 175.0 | 171.8 | 168.2 | 165.1 |
| 165° | 178.6 | 178.9 | 178.9 | 177.6 | 176.4 | 175.2 | 173.1 | 171.0 | 168.5 | 165.8 | 163.7 |
| 167.5° | 172.1 | 172.5 | 172.5 | 171.9 | 171.3 | 170.2 | 168.8 | 167.1 | 165.4 | 163.7 | 162.3 |
| 170° | 168.2 | 168.8 | 169.1 | 168.2 | 167.9 | 167.3 | 166.1 | 165.2 | 163.7 | 162.5 | 161.5 |
| 172.5° | 165.1 | 165.4 | 165.7 | 165.3 | 165.0 | 164.6 | 163.7 | 163.0 | 162.0 | 161.0 | 160.6 |
| 175° | 160.9 | 161.5 | 161.9 | 161.5 | 161.5 | 161.3 | 160.9 | 160.7 | 159.7 | 159.4 | 159.1 |
| 177.5° | 158.4 | 158.9 | 159.2 | 159.2 | 159.2 | 159.2 | 158.9 | 158.9 | 158.4 | 158.2 | 158.4 |
| 180° | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 |



TEST NUMBER: P331287-935

CATALOG NUMBER: S122DIP-S485D330U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 |
| 2.5° | 858.5 | 856.4 | 855.1 | 850.6 | 846.4 | 842.3 | 841.0 | 841.5 | 835.9 | 830.5 | 828.2 |
| 5° | 892.0 | 885.5 | 879.4 | 870.7 | 860.5 | 849.2 | 843.4 | 839.0 | 827.7 | 815.5 | 808.4 |
| 7.5° | 922.0 | 912.7 | 901.0 | 884.7 | 869.7 | 852.0 | 840.7 | 830.8 | 814.2 | 797.0 | 786.5 |
| 10° | 940.2 | 927.6 | 912.6 | 892.6 | 874.3 | 852.7 | 837.7 | 822.5 | 803.2 | 782.6 | 769.8 |
| 12.5° | 955.9 | 939.0 | 924.1 | 898.5 | 876.8 | 849.9 | 832.0 | 810.7 | 790.4 | 765.9 | 753.3 |
| 15° | 993.2 | 962.1 | 933.8 | 904.8 | 878.1 | 840.5 | 820.6 | 791.9 | 765.3 | 735.0 | 720.6 |
| 17.5° | 1022.1 | 987.1 | 942.5 | 905.8 | 874.6 | 832.9 | 803.7 | 769.4 | 737.8 | 703.3 | 683.6 |
| 20° | 1038.6 | 998.4 | 950.5 | 906.8 | 869.4 | 821.9 | 790.1 | 755.0 | 718.0 | 679.1 | 657.9 |
| 22.5° | 1048.4 | 1006.2 | 958.7 | 902.9 | 859.2 | 812.9 | 772.8 | 734.4 | 696.9 | 655.0 | 632.7 |
| 25° | 1051.5 | 1012.9 | 962.7 | 899.7 | 846.3 | 793.9 | 745.6 | 708.3 | 663.1 | 623.8 | 591.3 |
| 27.5° | 1036.1 | 1008.5 | 960.3 | 893.6 | 831.5 | 770.2 | 716.4 | 674.2 | 626.3 | 583.8 | 551.0 |
| 30° | 1017.4 | 1001.3 | 954.3 | 887.4 | 819.6 | 753.7 | 694.6 | 646.6 | 599.1 | 555.9 | 522.5 |
| 32.5° | 988.3 | 984.8 | 943.6 | 878.7 | 807.0 | 732.9 | 671.7 | 623.2 | 570.5 | 528.1 | 496.3 |
| 35° | 931.2 | 946.7 | 920.6 | 859.2 | 783.3 | 703.3 | 637.0 | 581.7 | 527.0 | 486.5 | 456.6 |
| 37.5° | 854.7 | 893.0 | 886.2 | 830.5 | 751.2 | 671.0 | 597.8 | 540.0 | 487.9 | 447.0 | 417.7 |
| 40° | 801.9 | 850.8 | 857.9 | 808.7 | 728.7 | 646.0 | 568.5 | 510.9 | 460.1 | 422.8 | 393.2 |
| 42.5° | 745.4 | 802.5 | 821.9 | 782.5 | 704.0 | 619.7 | 542.3 | 482.7 | 432.4 | 396.1 | 369.9 |
| 45° | 650.5 | 726.1 | 761.1 | 738.6 | 662.7 | 576.5 | 496.8 | 436.4 | 390.7 | 356.6 | 336.3 |
| 47.5° | 561.8 | 644.4 | 691.6 | 683.5 | 616.8 | 531.5 | 452.7 | 394.7 | 350.3 | 323.0 | 304.9 |
| 50° | 499.0 | 583.9 | 640.8 | 643.4 | 583.9 | 499.4 | 420.3 | 365.6 | 324.8 | 299.4 | 284.6 |
| 52.5° | 444.5 | 525.6 | 587.6 | 601.2 | 547.2 | 465.9 | 391.2 | 336.8 | 300.8 | 277.5 | 264.2 |
| 55° | 373.3 | 441.8 | 510.7 | 535.7 | 492.3 | 415.1 | 345.9 | 298.1 | 264.3 | 248.2 | 236.7 |
| 57.5° | 310.4 | 367.5 | 431.0 | 458.7 | 432.0 | 365.9 | 301.1 | 259.5 | 232.1 | 218.0 | 209.1 |
| 60° | 277.2 | 322.2 | 378.8 | 411.9 | 388.7 | 329.9 | 273.3 | 233.8 | 211.3 | 198.7 | 190.4 |
| 62.5° | 246.3 | 286.2 | 334.0 | 364.3 | 351.7 | 296.2 | 245.6 | 210.6 | 191.2 | 179.4 | 173.4 |
| 65° | 203.2 | 234.7 | 271.7 | 299.7 | 291.4 | 249.2 | 207.8 | 177.8 | 162.4 | 153.1 | 148.3 |
| 67.5° | 167.3 | 190.1 | 215.8 | 240.2 | 233.5 | 203.6 | 170.4 | 147.1 | 135.5 | 127.5 | 124.7 |
| 70° | 144.7 | 162.0 | 184.9 | 204.5 | 199.1 | 174.6 | 148.3 | 128.3 | 118.3 | 111.6 | 108.7 |
| 72.5° | 123.1 | 137.3 | 154.8 | 170.8 | 167.1 | 146.8 | 124.8 | 109.8 | 102.1 | 95.9 | 93.5 |
| 75° | 92.9 | 103.8 | 114.5 | 125.1 | 124.2 | 108.4 | 95.5 | 83.9 | 77.8 | 73.0 | 72.1 |
| 77.5° | 68.6 | 74.7 | 82.0 | 88.3 | 86.5 | 77.5 | 67.4 | 60.8 | 56.3 | 53.0 | 52.5 |
| 80° | 52.4 | 56.0 | 61.1 | 65.6 | 63.4 | 59.5 | 51.5 | 46.7 | 43.4 | 40.2 | 38.9 |
| 82.5° | 38.0 | 41.6 | 44.6 | 47.1 | 45.4 | 41.8 | 36.8 | 33.5 | 31.6 | 29.4 | 28.8 |
| 85° | 20.0 | 21.9 | 23.2 | 23.8 | 23.2 | 20.9 | 18.7 | 17.4 | 15.8 | 14.8 | 14.5 |
| 87.5° | 9.4 | 9.0 | 8.6 | 9.0 | 8.1 | 7.9 | 6.7 | 5.7 | 5.7 | 5.6 | 5.3 |
| 90° | 8.2 | 6.1 | 4.6 | 3.6 | 3.0 | 2.4 | 1.2 | 0.3 | 1.2 | 2.4 | 3.0 |
| 92.5° | 30.4 | 20.7 | 13.8 | 10.9 | 8.9 | 7.6 | 5.3 | 3.7 | 5.3 | 7.6 | 8.9 |
| 95° | 70.3 | 43.8 | 29.8 | 22.5 | 17.7 | 14.9 | 11.9 | 10.7 | 11.9 | 14.9 | 17.7 |
| 97.5° | 94.7 | 57.8 | 40.2 | 31.9 | 26.3 | 22.2 | 18.9 | 17.3 | 18.9 | 22.2 | 26.3 |
| 100° | 99.8 | 62.7 | 46.6 | 38.1 | 31.9 | 27.0 | 24.4 | 23.4 | 24.4 | 27.0 | 31.9 |
| 102.5° | 100.0 | 67.1 | 52.2 | 43.7 | 37.3 | 32.5 | 29.7 | 29.0 | 29.7 | 32.5 | 37.3 |
| 105° | 101.6 | 74.6 | 60.3 | 51.7 | 45.0 | 40.5 | 38.3 | 37.1 | 38.3 | 40.5 | 45.0 |
| 107.5° | 105.8 | 82.2 | 68.4 | 59.8 | 53.1 | 48.9 | 46.8 | 45.9 | 46.8 | 48.9 | 53.1 |
| 110° | 109.2 | 87.3 | 74.0 | 65.1 | 58.7 | 54.8 | 53.0 | 51.7 | 53.0 | 54.8 | 58.7 |



TEST NUMBER: P331287-935

CATALOG NUMBER: S122DIP-S485D330U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 112.9 | 92.2 | 79.3 | 70.2 | 64.1 | 60.4 | 58.3 | 57.1 | 58.3 | 60.4 | 64.1 |
| 115° | 118.3 | 99.8 | 86.7 | 78.5 | 72.4 | 68.8 | 66.9 | 65.4 | 66.9 | 68.8 | 72.4 |
| 117.5° | 124.2 | 106.8 | 94.7 | 86.2 | 80.3 | 77.1 | 75.3 | 74.0 | 75.3 | 77.1 | 80.3 |
| 120° | 128.1 | 111.7 | 99.8 | 91.3 | 85.2 | 82.5 | 80.6 | 79.4 | 80.6 | 82.5 | 85.2 |
| 122.5° | 131.5 | 116.2 | 105.1 | 96.3 | 90.3 | 87.3 | 85.5 | 84.6 | 85.5 | 87.3 | 90.3 |
| 125° | 136.9 | 123.2 | 112.3 | 103.8 | 97.6 | 94.0 | 92.2 | 91.3 | 92.2 | 94.0 | 97.6 |
| 127.5° | 142.0 | 129.7 | 119.0 | 110.2 | 104.4 | 100.4 | 97.8 | 96.6 | 97.8 | 100.4 | 104.4 |
| 130° | 145.1 | 133.5 | 122.9 | 114.4 | 108.3 | 104.0 | 101.0 | 99.8 | 101.0 | 104.0 | 108.3 |
| 132.5° | 148.3 | 137.0 | 126.8 | 118.3 | 111.9 | 107.5 | 104.2 | 102.7 | 104.2 | 107.5 | 111.9 |
| 135° | 152.4 | 141.8 | 132.0 | 123.6 | 116.5 | 111.9 | 108.3 | 107.1 | 108.3 | 111.9 | 116.5 |
| 137.5° | 155.6 | 145.7 | 136.0 | 128.1 | 121.2 | 116.3 | 112.7 | 111.2 | 112.7 | 116.3 | 121.2 |
| 140° | 157.3 | 147.8 | 138.7 | 130.8 | 124.2 | 119.2 | 115.6 | 114.4 | 115.6 | 119.2 | 124.2 |
| 142.5° | 158.8 | 149.6 | 140.7 | 133.3 | 126.8 | 121.9 | 118.6 | 117.5 | 118.6 | 121.9 | 126.8 |
| 145° | 160.7 | 152.1 | 143.9 | 137.2 | 131.1 | 126.6 | 123.6 | 122.3 | 123.6 | 126.6 | 131.1 |
| 147.5° | 161.7 | 154.2 | 146.5 | 140.5 | 135.4 | 131.2 | 128.3 | 127.4 | 128.3 | 131.2 | 135.4 |
| 150° | 162.1 | 155.2 | 148.2 | 142.7 | 138.1 | 134.1 | 131.7 | 130.8 | 131.7 | 134.1 | 138.1 |
| 152.5° | 162.4 | 156.1 | 149.8 | 144.9 | 140.5 | 137.1 | 134.7 | 134.2 | 134.7 | 137.1 | 140.5 |
| 155° | 162.7 | 157.6 | 152.4 | 147.8 | 144.5 | 141.1 | 139.3 | 139.1 | 139.3 | 141.1 | 144.5 |
| 157.5° | 162.7 | 158.6 | 154.2 | 150.4 | 147.7 | 144.8 | 143.4 | 143.0 | 143.4 | 144.8 | 147.7 |
| 160° | 162.7 | 159.1 | 155.5 | 152.1 | 149.6 | 147.2 | 146.0 | 145.7 | 146.0 | 147.2 | 149.6 |
| 162.5° | 162.5 | 159.4 | 156.2 | 153.6 | 151.4 | 149.5 | 148.2 | 148.4 | 148.2 | 149.5 | 151.4 |
| 165° | 161.9 | 159.7 | 157.0 | 155.2 | 153.6 | 151.8 | 151.2 | 151.5 | 151.2 | 151.8 | 153.6 |
| 167.5° | 161.4 | 159.6 | 157.6 | 156.5 | 155.4 | 154.2 | 153.7 | 154.0 | 153.7 | 154.2 | 155.4 |
| 170° | 160.9 | 159.4 | 157.9 | 157.0 | 156.4 | 155.5 | 155.2 | 155.8 | 155.2 | 155.5 | 156.4 |
| 172.5° | 160.2 | 159.2 | 158.2 | 157.5 | 157.1 | 156.2 | 156.4 | 156.7 | 156.4 | 156.2 | 157.1 |
| 175° | 159.4 | 158.8 | 158.2 | 157.9 | 157.9 | 157.3 | 157.6 | 157.9 | 157.6 | 157.3 | 157.9 |
| 177.5° | 158.9 | 158.4 | 158.2 | 158.2 | 158.2 | 157.7 | 157.9 | 158.4 | 157.9 | 157.7 | 158.2 |
| 180° | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 |



TEST NUMBER: P331287-935

CATALOG NUMBER: S122DIP-S485D330U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 |
| 2.5° | 825.6 | 824.1 | 818.6 | 815.8 | 811.2 | 806.8 | 804.0 | 805.3 | 806.3 | 805.8 | 805.0 |
| 5° | 801.9 | 795.8 | 786.5 | 778.4 | 772.7 | 762.1 | 757.6 | 755.4 | 753.4 | 751.1 | 748.9 |
| 7.5° | 773.8 | 764.1 | 750.8 | 739.3 | 728.5 | 715.3 | 707.8 | 703.3 | 698.6 | 693.5 | 689.1 |
| 10° | 753.7 | 740.2 | 726.1 | 710.0 | 697.2 | 685.2 | 674.6 | 667.5 | 661.1 | 655.0 | 650.5 |
| 12.5° | 732.6 | 717.0 | 699.6 | 677.6 | 663.4 | 646.4 | 644.8 | 632.3 | 622.2 | 618.5 | 613.2 |
| 15° | 699.0 | 677.2 | 655.0 | 629.0 | 617.7 | 602.3 | 592.6 | 583.0 | 574.3 | 568.2 | 566.5 |
| 17.5° | 660.9 | 632.6 | 610.5 | 591.9 | 573.4 | 557.6 | 548.7 | 541.0 | 533.8 | 525.6 | 524.6 |
| 20° | 631.8 | 607.4 | 583.3 | 566.9 | 547.9 | 531.8 | 520.9 | 513.2 | 507.0 | 502.2 | 498.1 |
| 22.5° | 604.3 | 577.6 | 555.5 | 537.5 | 518.8 | 505.8 | 497.2 | 489.8 | 484.7 | 479.4 | 475.4 |
| 25° | 560.2 | 539.2 | 515.1 | 494.9 | 479.4 | 471.1 | 464.0 | 457.5 | 454.3 | 450.8 | 446.3 |
| 27.5° | 521.5 | 498.3 | 475.7 | 460.0 | 446.4 | 439.0 | 434.0 | 429.6 | 426.6 | 424.6 | 422.0 |
| 30° | 494.2 | 470.7 | 453.1 | 437.6 | 426.4 | 419.0 | 415.8 | 413.2 | 409.7 | 408.4 | 407.1 |
| 32.5° | 468.0 | 446.9 | 431.7 | 418.4 | 407.6 | 402.8 | 399.8 | 397.5 | 394.8 | 393.5 | 390.9 |
| 35° | 430.8 | 413.2 | 398.4 | 391.0 | 382.3 | 378.2 | 375.9 | 372.6 | 370.1 | 368.9 | 368.5 |
| 37.5° | 396.0 | 380.6 | 370.8 | 361.4 | 357.7 | 355.1 | 352.1 | 349.8 | 349.0 | 348.9 | 348.5 |
| 40° | 373.3 | 360.8 | 352.1 | 344.4 | 342.8 | 338.9 | 336.3 | 334.4 | 334.4 | 334.8 | 334.4 |
| 42.5° | 352.8 | 341.5 | 333.8 | 327.2 | 325.3 | 323.0 | 320.4 | 320.3 | 320.8 | 321.8 | 320.8 |
| 45° | 321.6 | 313.5 | 308.1 | 304.8 | 301.3 | 299.0 | 298.7 | 299.7 | 300.0 | 300.3 | 301.3 |
| 47.5° | 292.8 | 287.5 | 282.6 | 279.1 | 277.5 | 277.1 | 276.7 | 278.4 | 279.9 | 280.5 | 282.0 |
| 50° | 275.9 | 269.8 | 265.6 | 263.4 | 262.1 | 261.4 | 262.1 | 264.0 | 265.3 | 266.9 | 267.9 |
| 52.5° | 256.8 | 252.5 | 249.7 | 247.9 | 247.4 | 247.8 | 247.9 | 250.1 | 252.2 | 252.7 | 253.2 |
| 55° | 230.6 | 227.3 | 226.7 | 223.8 | 225.1 | 224.7 | 226.4 | 227.6 | 229.5 | 231.5 | 231.9 |
| 57.5° | 204.3 | 201.7 | 200.0 | 200.3 | 200.6 | 202.1 | 203.4 | 205.7 | 207.8 | 209.7 | 210.0 |
| 60° | 186.8 | 185.5 | 184.6 | 184.6 | 185.2 | 187.2 | 188.7 | 191.0 | 192.3 | 193.6 | 194.5 |
| 62.5° | 170.9 | 169.6 | 168.6 | 169.1 | 170.8 | 171.9 | 173.8 | 175.0 | 176.3 | 177.6 | 178.1 |
| 65° | 145.7 | 145.0 | 146.0 | 146.6 | 147.0 | 148.5 | 150.8 | 151.8 | 153.1 | 153.7 | 155.9 |
| 67.5° | 122.4 | 122.6 | 122.4 | 123.4 | 125.2 | 125.6 | 127.7 | 130.0 | 130.3 | 131.5 | 132.9 |
| 70° | 106.8 | 107.4 | 108.1 | 108.7 | 110.3 | 110.9 | 112.5 | 113.5 | 114.8 | 115.7 | 116.8 |
| 72.5° | 92.4 | 92.5 | 93.2 | 93.0 | 94.4 | 95.7 | 97.1 | 98.1 | 99.4 | 100.6 | 101.5 |
| 75° | 71.0 | 71.0 | 71.7 | 72.1 | 73.6 | 75.3 | 74.9 | 75.6 | 76.9 | 78.2 | 78.8 |
| 77.5° | 51.9 | 51.2 | 51.9 | 52.2 | 52.7 | 54.1 | 54.3 | 55.3 | 56.7 | 56.3 | 57.0 |
| 80° | 39.5 | 38.6 | 39.5 | 39.9 | 39.9 | 41.5 | 41.5 | 42.1 | 43.0 | 42.1 | 43.0 |
| 82.5° | 28.2 | 27.8 | 28.5 | 28.6 | 29.1 | 29.1 | 29.6 | 29.8 | 30.7 | 30.3 | 30.7 |
| 85° | 14.1 | 13.9 | 14.1 | 13.9 | 14.1 | 14.5 | 14.5 | 14.1 | 14.1 | 14.8 | 13.9 |
| 87.5° | 5.1 | 5.0 | 5.1 | 5.5 | 5.6 | 5.4 | 5.1 | 5.0 | 4.9 | 4.5 | 4.6 |
| 90° | 3.6 | 4.6 | 6.1 | 8.2 | 10.1 | 10.3 | 10.1 | 9.7 | 9.1 | 9.7 | 10.1 |
| 92.5° | 10.9 | 13.8 | 20.7 | 30.4 | 39.0 | 39.5 | 33.4 | 26.5 | 22.7 | 20.2 | 18.3 |
| 95° | 22.5 | 29.8 | 43.8 | 70.3 | 105.6 | 119.2 | 104.4 | 79.7 | 61.1 | 48.4 | 41.7 |
| 97.5° | 31.9 | 40.2 | 57.8 | 94.7 | 153.3 | 203.5 | 213.5 | 186.0 | 152.1 | 119.2 | 97.3 |
| 100° | 38.1 | 46.6 | 62.7 | 99.8 | 165.5 | 240.3 | 284.1 | 277.8 | 240.0 | 198.4 | 161.5 |
| 102.5° | 43.7 | 52.2 | 67.1 | 100.0 | 160.8 | 241.5 | 310.4 | 337.9 | 329.3 | 298.9 | 259.8 |
| 105° | 51.7 | 60.3 | 74.6 | 101.6 | 151.8 | 225.4 | 306.3 | 369.6 | 404.0 | 407.9 | 398.0 |
| 107.5° | 59.8 | 68.4 | 82.2 | 105.8 | 147.3 | 208.1 | 279.7 | 346.7 | 398.6 | 430.2 | 444.9 |
| 110° | 65.1 | 74.0 | 87.3 | 109.2 | 146.4 | 199.8 | 262.9 | 327.0 | 381.5 | 420.4 | 445.4 |



TEST NUMBER: P331287-935

CATALOG NUMBER: S122DIP-S485D330U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 70.2 | 79.3 | 92.2 | 112.9 | 146.5 | 194.5 | 251.2 | 309.0 | 361.3 | 402.9 | 431.5 |
| 115° | 78.5 | 86.7 | 99.8 | 118.3 | 147.8 | 188.6 | 236.7 | 286.9 | 333.7 | 373.6 | 404.9 |
| 117.5° | 86.2 | 94.7 | 106.8 | 124.2 | 150.1 | 185.7 | 227.6 | 270.2 | 311.3 | 347.5 | 376.9 |
| 120° | 91.3 | 99.8 | 111.7 | 128.1 | 151.5 | 184.1 | 222.7 | 261.9 | 299.6 | 331.9 | 359.6 |
| 122.5° | 96.3 | 105.1 | 116.2 | 131.5 | 153.2 | 183.0 | 218.5 | 255.4 | 289.9 | 320.5 | 345.4 |
| 125° | 103.8 | 112.3 | 123.2 | 136.9 | 155.8 | 181.3 | 212.7 | 245.8 | 277.2 | 303.9 | 326.7 |
| 127.5° | 110.2 | 119.0 | 129.7 | 142.0 | 158.3 | 180.3 | 207.2 | 236.3 | 264.8 | 290.0 | 311.0 |
| 130° | 114.4 | 122.9 | 133.5 | 145.1 | 160.3 | 179.8 | 203.5 | 230.3 | 256.5 | 280.5 | 300.6 |
| 132.5° | 118.3 | 126.8 | 137.0 | 148.3 | 162.3 | 179.5 | 200.6 | 224.5 | 248.7 | 270.8 | 289.6 |
| 135° | 123.6 | 132.0 | 141.8 | 152.4 | 164.6 | 179.2 | 196.5 | 216.3 | 236.3 | 256.5 | 273.5 |
| 137.5° | 128.1 | 136.0 | 145.7 | 155.6 | 166.7 | 179.1 | 193.6 | 209.8 | 226.6 | 242.5 | 257.4 |
| 140° | 130.8 | 138.7 | 147.8 | 157.3 | 167.6 | 178.9 | 191.9 | 205.6 | 220.2 | 234.3 | 247.6 |
| 142.5° | 133.3 | 140.7 | 149.6 | 158.8 | 168.3 | 178.9 | 190.3 | 202.2 | 214.6 | 226.7 | 237.9 |
| 145° | 137.2 | 143.9 | 152.1 | 160.7 | 169.1 | 178.2 | 188.0 | 197.4 | 207.5 | 216.9 | 225.8 |
| 147.5° | 140.5 | 146.5 | 154.2 | 161.7 | 169.4 | 177.2 | 185.7 | 193.7 | 201.6 | 209.0 | 215.4 |
| 150° | 142.7 | 148.2 | 155.2 | 162.1 | 169.1 | 176.4 | 183.7 | 191.1 | 197.8 | 204.1 | 209.6 |
| 152.5° | 144.9 | 149.8 | 156.1 | 162.4 | 168.7 | 175.2 | 182.0 | 188.4 | 194.6 | 200.0 | 204.7 |
| 155° | 147.8 | 152.4 | 157.6 | 162.7 | 167.9 | 173.1 | 178.9 | 184.7 | 189.5 | 194.1 | 197.4 |
| 157.5° | 150.4 | 154.2 | 158.6 | 162.7 | 166.5 | 170.9 | 175.9 | 180.4 | 184.4 | 188.2 | 190.9 |
| 160° | 152.1 | 155.5 | 159.1 | 162.7 | 165.8 | 169.4 | 173.7 | 177.6 | 181.0 | 184.3 | 186.5 |
| 162.5° | 153.6 | 156.2 | 159.4 | 162.5 | 165.1 | 168.2 | 171.8 | 175.0 | 177.9 | 180.7 | 182.4 |
| 165° | 155.2 | 157.0 | 159.7 | 161.9 | 163.7 | 165.8 | 168.5 | 171.0 | 173.1 | 175.2 | 176.4 |
| 167.5° | 156.5 | 157.6 | 159.6 | 161.4 | 162.3 | 163.7 | 165.4 | 167.1 | 168.8 | 170.2 | 171.3 |
| 170° | 157.0 | 157.9 | 159.4 | 160.9 | 161.5 | 162.5 | 163.7 | 165.2 | 166.1 | 167.3 | 167.9 |
| 172.5° | 157.5 | 158.2 | 159.2 | 160.2 | 160.6 | 161.0 | 162.0 | 163.0 | 163.7 | 164.6 | 165.0 |
| 175° | 157.9 | 158.2 | 158.8 | 159.4 | 159.1 | 159.4 | 159.7 | 160.7 | 160.9 | 161.3 | 161.5 |
| 177.5° | 158.2 | 158.2 | 158.4 | 158.9 | 158.4 | 158.2 | 158.4 | 158.9 | 158.9 | 159.2 | 159.2 |
| 180° | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 |



TEST NUMBER: P331287-935

CATALOG NUMBER: S122DIP-S485D330U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 |
| 2.5° | 802.5 | 801.9 | 801.9 | 799.6 | 801.9 | 801.9 | 802.5 | 805.0 | 805.8 | 806.3 | 805.3 |
| 5° | 744.4 | 743.4 | 741.8 | 743.4 | 741.8 | 743.4 | 744.4 | 748.9 | 751.1 | 753.4 | 755.4 |
| 7.5° | 687.0 | 683.1 | 682.5 | 678.7 | 682.5 | 683.1 | 687.0 | 689.1 | 693.5 | 698.6 | 703.3 |
| 10° | 645.1 | 642.5 | 642.1 | 636.0 | 642.1 | 642.5 | 645.1 | 650.5 | 655.0 | 661.1 | 667.5 |
| 12.5° | 613.1 | 606.9 | 608.2 | 604.7 | 608.2 | 606.9 | 613.1 | 613.2 | 618.5 | 622.2 | 632.3 |
| 15° | 557.8 | 557.8 | 556.6 | 551.1 | 556.6 | 557.8 | 557.8 | 566.5 | 568.2 | 574.3 | 583.0 |
| 17.5° | 518.2 | 517.5 | 514.4 | 516.0 | 514.4 | 517.5 | 518.2 | 524.6 | 525.6 | 533.8 | 541.0 |
| 20° | 494.6 | 492.6 | 488.8 | 488.8 | 488.8 | 492.6 | 494.6 | 498.1 | 502.2 | 507.0 | 513.2 |
| 22.5° | 472.2 | 472.0 | 468.0 | 469.2 | 468.0 | 472.0 | 472.2 | 475.4 | 479.4 | 484.7 | 489.8 |
| 25° | 446.0 | 443.4 | 441.5 | 442.5 | 441.5 | 443.4 | 446.0 | 446.3 | 450.8 | 454.3 | 457.5 |
| 27.5° | 421.2 | 419.7 | 419.7 | 417.0 | 419.7 | 419.7 | 421.2 | 422.0 | 424.6 | 426.6 | 429.6 |
| 30° | 406.7 | 403.6 | 404.2 | 402.6 | 404.2 | 403.6 | 406.7 | 407.1 | 408.4 | 409.7 | 413.2 |
| 32.5° | 390.3 | 389.2 | 388.5 | 387.1 | 388.5 | 389.2 | 390.3 | 390.9 | 393.5 | 394.8 | 397.5 |
| 35° | 367.8 | 368.2 | 366.5 | 367.2 | 366.5 | 368.2 | 367.8 | 368.5 | 368.9 | 370.1 | 372.6 |
| 37.5° | 348.3 | 349.3 | 348.5 | 348.7 | 348.5 | 349.3 | 348.3 | 348.5 | 348.9 | 349.0 | 349.8 |
| 40° | 335.4 | 335.4 | 335.4 | 336.3 | 335.4 | 335.4 | 335.4 | 334.4 | 334.8 | 334.4 | 334.4 |
| 42.5° | 323.0 | 322.5 | 322.0 | 321.9 | 322.0 | 322.5 | 323.0 | 320.8 | 321.8 | 320.8 | 320.3 |
| 45° | 302.0 | 302.9 | 303.2 | 301.6 | 303.2 | 302.9 | 302.0 | 301.3 | 300.3 | 300.0 | 299.7 |
| 47.5° | 282.8 | 282.9 | 282.8 | 284.2 | 282.8 | 282.9 | 282.8 | 282.0 | 280.5 | 279.9 | 278.4 |
| 50° | 269.5 | 268.8 | 269.5 | 268.8 | 269.5 | 268.8 | 269.5 | 267.9 | 266.9 | 265.3 | 264.0 |
| 52.5° | 255.3 | 255.5 | 255.0 | 254.9 | 255.0 | 255.5 | 255.3 | 253.2 | 252.7 | 252.2 | 250.1 |
| 55° | 233.2 | 233.8 | 233.4 | 233.4 | 233.4 | 233.8 | 233.2 | 231.9 | 231.5 | 229.5 | 227.6 |
| 57.5° | 210.2 | 210.8 | 211.2 | 209.7 | 211.2 | 210.8 | 210.2 | 210.0 | 209.7 | 207.8 | 205.7 |
| 60° | 194.2 | 195.8 | 195.5 | 194.8 | 195.5 | 195.8 | 194.2 | 194.5 | 193.6 | 192.3 | 191.0 |
| 62.5° | 179.5 | 180.1 | 180.0 | 179.9 | 180.0 | 180.1 | 179.5 | 178.1 | 177.6 | 176.3 | 175.0 |
| 65° | 156.9 | 157.6 | 156.6 | 157.6 | 156.6 | 157.6 | 156.9 | 155.9 | 153.7 | 153.1 | 151.8 |
| 67.5° | 132.5 | 132.8 | 133.5 | 133.9 | 133.5 | 132.8 | 132.5 | 132.9 | 131.5 | 130.3 | 130.0 |
| 70° | 117.4 | 117.0 | 118.0 | 119.0 | 118.0 | 117.0 | 117.4 | 116.8 | 115.7 | 114.8 | 113.5 |
| 72.5° | 101.4 | 102.1 | 101.8 | 102.5 | 101.8 | 102.1 | 101.4 | 101.5 | 100.6 | 99.4 | 98.1 |
| 75° | 78.2 | 79.1 | 78.8 | 79.7 | 78.8 | 79.1 | 78.2 | 78.8 | 78.2 | 76.9 | 75.6 |
| 77.5° | 56.5 | 56.6 | 56.5 | 57.0 | 56.5 | 56.6 | 56.5 | 57.0 | 56.3 | 56.7 | 55.3 |
| 80° | 43.0 | 42.4 | 41.8 | 43.0 | 41.8 | 42.4 | 43.0 | 43.0 | 42.1 | 43.0 | 42.1 |
| 82.5° | 30.0 | 30.4 | 29.7 | 29.7 | 29.7 | 30.4 | 30.0 | 30.7 | 30.3 | 30.7 | 29.8 |
| 85° | 13.9 | 13.5 | 12.8 | 12.8 | 12.8 | 13.5 | 13.9 | 13.9 | 14.8 | 14.1 | 14.1 |
| 87.5° | 4.6 | 4.3 | 4.3 | 4.0 | 4.3 | 4.3 | 4.6 | 4.6 | 4.5 | 4.9 | 5.0 |
| 90° | 10.1 | 10.1 | 10.1 | 10.1 | 10.1 | 10.1 | 10.1 | 10.1 | 9.7 | 9.1 | 9.7 |
| 92.5° | 18.1 | 17.1 | 17.3 | 16.9 | 17.3 | 17.1 | 18.1 | 18.3 | 20.2 | 22.7 | 26.5 |
| 95° | 37.7 | 35.3 | 34.4 | 34.7 | 34.4 | 35.3 | 37.7 | 41.7 | 48.4 | 61.1 | 79.7 |
| 97.5° | 82.7 | 75.3 | 70.9 | 68.3 | 70.9 | 75.3 | 82.7 | 97.3 | 119.2 | 152.1 | 186.0 |
| 100° | 136.3 | 123.2 | 114.4 | 108.9 | 114.4 | 123.2 | 136.3 | 161.5 | 198.4 | 240.0 | 277.8 |
| 102.5° | 232.4 | 210.1 | 199.1 | 191.7 | 199.1 | 210.1 | 232.4 | 259.8 | 298.9 | 329.3 | 337.9 |
| 105° | 379.0 | 360.2 | 347.1 | 342.9 | 347.1 | 360.2 | 379.0 | 398.0 | 407.9 | 404.0 | 369.6 |
| 107.5° | 447.3 | 446.3 | 443.6 | 438.0 | 443.6 | 446.3 | 447.3 | 444.9 | 430.2 | 398.6 | 346.7 |
| 110° | 458.5 | 464.3 | 467.0 | 466.7 | 467.0 | 464.3 | 458.5 | 445.4 | 420.4 | 381.5 | 327.0 |



TEST NUMBER: P331287-935

CATALOG NUMBER: S122DIP-S485D330U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 449.7 | 459.3 | 464.5 | 466.1 | 464.5 | 459.3 | 449.7 | 431.5 | 402.9 | 361.3 | 309.0 |
| 115° | 426.5 | 440.5 | 448.4 | 451.2 | 448.4 | 440.5 | 426.5 | 404.9 | 373.6 | 333.7 | 286.9 |
| 117.5° | 398.9 | 413.7 | 422.0 | 424.3 | 422.0 | 413.7 | 398.9 | 376.9 | 347.5 | 311.3 | 270.2 |
| 120° | 380.9 | 395.2 | 404.0 | 407.1 | 404.0 | 395.2 | 380.9 | 359.6 | 331.9 | 299.6 | 261.9 |
| 122.5° | 364.5 | 378.7 | 386.5 | 389.0 | 386.5 | 378.7 | 364.5 | 345.4 | 320.5 | 289.9 | 255.4 |
| 125° | 344.4 | 355.9 | 363.5 | 366.0 | 363.5 | 355.9 | 344.4 | 326.7 | 303.9 | 277.2 | 245.8 |
| 127.5° | 326.4 | 337.3 | 343.8 | 345.8 | 343.8 | 337.3 | 326.4 | 311.0 | 290.0 | 264.8 | 236.3 |
| 130° | 315.5 | 325.8 | 331.9 | 334.3 | 331.9 | 325.8 | 315.5 | 300.6 | 280.5 | 256.5 | 230.3 |
| 132.5° | 304.3 | 314.6 | 320.2 | 322.4 | 320.2 | 314.6 | 304.3 | 289.6 | 270.8 | 248.7 | 224.5 |
| 135° | 286.5 | 296.6 | 302.1 | 303.3 | 302.1 | 296.6 | 286.5 | 273.5 | 256.5 | 236.3 | 216.3 |
| 137.5° | 269.3 | 277.9 | 282.8 | 284.6 | 282.8 | 277.9 | 269.3 | 257.4 | 242.5 | 226.6 | 209.8 |
| 140° | 257.4 | 265.3 | 269.8 | 271.6 | 269.8 | 265.3 | 257.4 | 247.6 | 234.3 | 220.2 | 205.6 |
| 142.5° | 247.1 | 254.3 | 258.4 | 258.7 | 258.4 | 254.3 | 247.1 | 237.9 | 226.7 | 214.6 | 202.2 |
| 145° | 233.0 | 238.2 | 241.3 | 242.1 | 241.3 | 238.2 | 233.0 | 225.8 | 216.9 | 207.5 | 197.4 |
| 147.5° | 221.4 | 225.6 | 227.6 | 228.3 | 227.6 | 225.6 | 221.4 | 215.4 | 209.0 | 201.6 | 193.7 |
| 150° | 214.1 | 217.8 | 219.6 | 220.0 | 219.6 | 217.8 | 214.1 | 209.6 | 204.1 | 197.8 | 191.1 |
| 152.5° | 208.4 | 211.5 | 212.8 | 212.9 | 212.8 | 211.5 | 208.4 | 204.7 | 200.0 | 194.6 | 188.4 |
| 155° | 200.8 | 202.9 | 204.1 | 203.5 | 204.1 | 202.9 | 200.8 | 197.4 | 194.1 | 189.5 | 184.7 |
| 157.5° | 193.2 | 195.0 | 195.5 | 195.5 | 195.5 | 195.0 | 193.2 | 190.9 | 188.2 | 184.4 | 180.4 |
| 160° | 188.6 | 190.1 | 190.5 | 190.5 | 190.5 | 190.1 | 188.6 | 186.5 | 184.3 | 181.0 | 177.6 |
| 162.5° | 184.5 | 185.5 | 185.8 | 185.5 | 185.8 | 185.5 | 184.5 | 182.4 | 180.7 | 177.9 | 175.0 |
| 165° | 177.6 | 178.9 | 178.9 | 178.6 | 178.9 | 178.9 | 177.6 | 176.4 | 175.2 | 173.1 | 171.0 |
| 167.5° | 171.9 | 172.5 | 172.5 | 172.1 | 172.5 | 172.5 | 171.9 | 171.3 | 170.2 | 168.8 | 167.1 |
| 170° | 168.2 | 169.1 | 168.8 | 168.2 | 168.8 | 169.1 | 168.2 | 167.9 | 167.3 | 166.1 | 165.2 |
| 172.5° | 165.3 | 165.7 | 165.4 | 165.1 | 165.4 | 165.7 | 165.3 | 165.0 | 164.6 | 163.7 | 163.0 |
| 175° | 161.5 | 161.9 | 161.5 | 160.9 | 161.5 | 161.9 | 161.5 | 161.5 | 161.3 | 160.9 | 160.7 |
| 177.5° | 159.2 | 159.2 | 158.9 | 158.4 | 158.9 | 159.2 | 159.2 | 159.2 | 159.2 | 158.9 | 158.9 |
| 180° | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 |



TEST NUMBER: P331287-935

CATALOG NUMBER: S122DIP-S485D330U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 |
| 2.5° | 804.0 | 806.8 | 811.2 | 815.8 | 818.6 | 824.1 | 825.6 | 828.2 | 830.5 | 835.9 | 841.5 |
| 5° | 757.6 | 762.1 | 772.7 | 778.4 | 786.5 | 795.8 | 801.9 | 808.4 | 815.5 | 827.7 | 839.0 |
| 7.5° | 707.8 | 715.3 | 728.5 | 739.3 | 750.8 | 764.1 | 773.8 | 786.5 | 797.0 | 814.2 | 830.8 |
| 10° | 674.6 | 685.2 | 697.2 | 710.0 | 726.1 | 740.2 | 753.7 | 769.8 | 782.6 | 803.2 | 822.5 |
| 12.5° | 644.8 | 646.4 | 663.4 | 677.6 | 699.6 | 717.0 | 732.6 | 753.3 | 765.9 | 790.4 | 810.7 |
| 15° | 592.6 | 602.3 | 617.7 | 629.0 | 655.0 | 677.2 | 699.0 | 720.6 | 735.0 | 765.3 | 791.9 |
| 17.5° | 548.7 | 557.6 | 573.4 | 591.9 | 610.5 | 632.6 | 660.9 | 683.6 | 703.3 | 737.8 | 769.4 |
| 20° | 520.9 | 531.8 | 547.9 | 566.9 | 583.3 | 607.4 | 631.8 | 657.9 | 679.1 | 718.0 | 755.0 |
| 22.5° | 497.2 | 505.8 | 518.8 | 537.5 | 555.5 | 577.6 | 604.3 | 632.7 | 655.0 | 696.9 | 734.4 |
| 25° | 464.0 | 471.1 | 479.4 | 494.9 | 515.1 | 539.2 | 560.2 | 591.3 | 623.8 | 663.1 | 708.3 |
| 27.5° | 434.0 | 439.0 | 446.4 | 460.0 | 475.7 | 498.3 | 521.5 | 551.0 | 583.8 | 626.3 | 674.2 |
| 30° | 415.8 | 419.0 | 426.4 | 437.6 | 453.1 | 470.7 | 494.2 | 522.5 | 555.9 | 599.1 | 646.6 |
| 32.5° | 399.8 | 402.8 | 407.6 | 418.4 | 431.7 | 446.9 | 468.0 | 496.3 | 528.1 | 570.5 | 623.2 |
| 35° | 375.9 | 378.2 | 382.3 | 391.0 | 398.4 | 413.2 | 430.8 | 456.6 | 486.5 | 527.0 | 581.7 |
| 37.5° | 352.1 | 355.1 | 357.7 | 361.4 | 370.8 | 380.6 | 396.0 | 417.7 | 447.0 | 487.9 | 540.0 |
| 40° | 336.3 | 338.9 | 342.8 | 344.4 | 352.1 | 360.8 | 373.3 | 393.2 | 422.8 | 460.1 | 510.9 |
| 42.5° | 320.4 | 323.0 | 325.3 | 327.2 | 333.8 | 341.5 | 352.8 | 369.9 | 396.1 | 432.4 | 482.7 |
| 45° | 298.7 | 299.0 | 301.3 | 304.8 | 308.1 | 313.5 | 321.6 | 336.3 | 356.6 | 390.7 | 436.4 |
| 47.5° | 276.7 | 277.1 | 277.5 | 279.1 | 282.6 | 287.5 | 292.8 | 304.9 | 323.0 | 350.3 | 394.7 |
| 50° | 262.1 | 261.4 | 262.1 | 263.4 | 265.6 | 269.8 | 275.9 | 284.6 | 299.4 | 324.8 | 365.6 |
| 52.5° | 247.9 | 247.8 | 247.4 | 247.9 | 249.7 | 252.5 | 256.8 | 264.2 | 277.5 | 300.8 | 336.8 |
| 55° | 226.4 | 224.7 | 225.1 | 223.8 | 226.7 | 227.3 | 230.6 | 236.7 | 248.2 | 264.3 | 298.1 |
| 57.5° | 203.4 | 202.1 | 200.6 | 200.3 | 200.0 | 201.7 | 204.3 | 209.1 | 218.0 | 232.1 | 259.5 |
| 60° | 188.7 | 187.2 | 185.2 | 184.6 | 184.6 | 185.5 | 186.8 | 190.4 | 198.7 | 211.3 | 233.8 |
| 62.5° | 173.8 | 171.9 | 170.8 | 169.1 | 168.6 | 169.6 | 170.9 | 173.4 | 179.4 | 191.2 | 210.6 |
| 65° | 150.8 | 148.5 | 147.0 | 146.6 | 146.0 | 145.0 | 145.7 | 148.3 | 153.1 | 162.4 | 177.8 |
| 67.5° | 127.7 | 125.6 | 125.2 | 123.4 | 122.4 | 122.6 | 122.4 | 124.7 | 127.5 | 135.5 | 147.1 |
| 70° | 112.5 | 110.9 | 110.3 | 108.7 | 108.1 | 107.4 | 106.8 | 108.7 | 111.6 | 118.3 | 128.3 |
| 72.5° | 97.1 | 95.7 | 94.4 | 93.0 | 93.2 | 92.5 | 92.4 | 93.5 | 95.9 | 102.1 | 109.8 |
| 75° | 74.9 | 75.3 | 73.6 | 72.1 | 71.7 | 71.0 | 71.0 | 72.1 | 73.0 | 77.8 | 83.9 |
| 77.5° | 54.3 | 54.1 | 52.7 | 52.2 | 51.9 | 51.2 | 51.9 | 52.5 | 53.0 | 56.3 | 60.8 |
| 80° | 41.5 | 41.5 | 39.9 | 39.9 | 39.5 | 38.6 | 39.5 | 38.9 | 40.2 | 43.4 | 46.7 |
| 82.5° | 29.6 | 29.1 | 29.1 | 28.6 | 28.5 | 27.8 | 28.2 | 28.8 | 29.4 | 31.6 | 33.5 |
| 85° | 14.5 | 14.5 | 14.1 | 13.9 | 14.1 | 13.9 | 14.1 | 14.5 | 14.8 | 15.8 | 17.4 |
| 87.5° | 5.1 | 5.4 | 5.6 | 5.5 | 5.1 | 5.0 | 5.1 | 5.3 | 5.6 | 5.7 | 5.7 |
| 90° | 10.1 | 10.3 | 10.1 | 8.2 | 6.1 | 4.6 | 3.6 | 3.0 | 2.4 | 1.2 | 0.3 |
| 92.5° | 33.4 | 39.5 | 39.0 | 30.4 | 20.7 | 13.8 | 10.9 | 8.9 | 7.6 | 5.3 | 3.7 |
| 95° | 104.4 | 119.2 | 105.6 | 70.3 | 43.8 | 29.8 | 22.5 | 17.7 | 14.9 | 11.9 | 10.7 |
| 97.5° | 213.5 | 203.5 | 153.3 | 94.7 | 57.8 | 40.2 | 31.9 | 26.3 | 22.2 | 18.9 | 17.3 |
| 100° | 284.1 | 240.3 | 165.5 | 99.8 | 62.7 | 46.6 | 38.1 | 31.9 | 27.0 | 24.4 | 23.4 |
| 102.5° | 310.4 | 241.5 | 160.8 | 100.0 | 67.1 | 52.2 | 43.7 | 37.3 | 32.5 | 29.7 | 29.0 |
| 105° | 306.3 | 225.4 | 151.8 | 101.6 | 74.6 | 60.3 | 51.7 | 45.0 | 40.5 | 38.3 | 37.1 |
| 107.5° | 279.7 | 208.1 | 147.3 | 105.8 | 82.2 | 68.4 | 59.8 | 53.1 | 48.9 | 46.8 | 45.9 |
| 110° | 262.9 | 199.8 | 146.4 | 109.2 | 87.3 | 74.0 | 65.1 | 58.7 | 54.8 | 53.0 | 51.7 |



TEST NUMBER: P331287-935

CATALOG NUMBER: S122DIP-S485D330U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 251.2 | 194.5 | 146.5 | 112.9 | 92.2 | 79.3 | 70.2 | 64.1 | 60.4 | 58.3 | 57.1 |
| 115° | 236.7 | 188.6 | 147.8 | 118.3 | 99.8 | 86.7 | 78.5 | 72.4 | 68.8 | 66.9 | 65.4 |
| 117.5° | 227.6 | 185.7 | 150.1 | 124.2 | 106.8 | 94.7 | 86.2 | 80.3 | 77.1 | 75.3 | 74.0 |
| 120° | 222.7 | 184.1 | 151.5 | 128.1 | 111.7 | 99.8 | 91.3 | 85.2 | 82.5 | 80.6 | 79.4 |
| 122.5° | 218.5 | 183.0 | 153.2 | 131.5 | 116.2 | 105.1 | 96.3 | 90.3 | 87.3 | 85.5 | 84.6 |
| 125° | 212.7 | 181.3 | 155.8 | 136.9 | 123.2 | 112.3 | 103.8 | 97.6 | 94.0 | 92.2 | 91.3 |
| 127.5° | 207.2 | 180.3 | 158.3 | 142.0 | 129.7 | 119.0 | 110.2 | 104.4 | 100.4 | 97.8 | 96.6 |
| 130° | 203.5 | 179.8 | 160.3 | 145.1 | 133.5 | 122.9 | 114.4 | 108.3 | 104.0 | 101.0 | 99.8 |
| 132.5° | 200.6 | 179.5 | 162.3 | 148.3 | 137.0 | 126.8 | 118.3 | 111.9 | 107.5 | 104.2 | 102.7 |
| 135° | 196.5 | 179.2 | 164.6 | 152.4 | 141.8 | 132.0 | 123.6 | 116.5 | 111.9 | 108.3 | 107.1 |
| 137.5° | 193.6 | 179.1 | 166.7 | 155.6 | 145.7 | 136.0 | 128.1 | 121.2 | 116.3 | 112.7 | 111.2 |
| 140° | 191.9 | 178.9 | 167.6 | 157.3 | 147.8 | 138.7 | 130.8 | 124.2 | 119.2 | 115.6 | 114.4 |
| 142.5° | 190.3 | 178.9 | 168.3 | 158.8 | 149.6 | 140.7 | 133.3 | 126.8 | 121.9 | 118.6 | 117.5 |
| 145° | 188.0 | 178.2 | 169.1 | 160.7 | 152.1 | 143.9 | 137.2 | 131.1 | 126.6 | 123.6 | 122.3 |
| 147.5° | 185.7 | 177.2 | 169.4 | 161.7 | 154.2 | 146.5 | 140.5 | 135.4 | 131.2 | 128.3 | 127.4 |
| 150° | 183.7 | 176.4 | 169.1 | 162.1 | 155.2 | 148.2 | 142.7 | 138.1 | 134.1 | 131.7 | 130.8 |
| 152.5° | 182.0 | 175.2 | 168.7 | 162.4 | 156.1 | 149.8 | 144.9 | 140.5 | 137.1 | 134.7 | 134.2 |
| 155° | 178.9 | 173.1 | 167.9 | 162.7 | 157.6 | 152.4 | 147.8 | 144.5 | 141.1 | 139.3 | 139.1 |
| 157.5° | 175.9 | 170.9 | 166.5 | 162.7 | 158.6 | 154.2 | 150.4 | 147.7 | 144.8 | 143.4 | 143.0 |
| 160° | 173.7 | 169.4 | 165.8 | 162.7 | 159.1 | 155.5 | 152.1 | 149.6 | 147.2 | 146.0 | 145.7 |
| 162.5° | 171.8 | 168.2 | 165.1 | 162.5 | 159.4 | 156.2 | 153.6 | 151.4 | 149.5 | 148.2 | 148.4 |
| 165° | 168.5 | 165.8 | 163.7 | 161.9 | 159.7 | 157.0 | 155.2 | 153.6 | 151.8 | 151.2 | 151.5 |
| 167.5° | 165.4 | 163.7 | 162.3 | 161.4 | 159.6 | 157.6 | 156.5 | 155.4 | 154.2 | 153.7 | 154.0 |
| 170° | 163.7 | 162.5 | 161.5 | 160.9 | 159.4 | 157.9 | 157.0 | 156.4 | 155.5 | 155.2 | 155.8 |
| 172.5° | 162.0 | 161.0 | 160.6 | 160.2 | 159.2 | 158.2 | 157.5 | 157.1 | 156.2 | 156.4 | 156.7 |
| 175° | 159.7 | 159.4 | 159.1 | 159.4 | 158.8 | 158.2 | 157.9 | 157.9 | 157.3 | 157.6 | 157.9 |
| 177.5° | 158.4 | 158.2 | 158.4 | 158.9 | 158.4 | 158.2 | 158.2 | 158.2 | 157.7 | 157.9 | 158.4 |
| 180° | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 |



TEST NUMBER: P331287-935

CATALOG NUMBER: S122DIP-S485D330U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0° | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 |
| 2.5° | 841.0 | 842.3 | 846.4 | 850.6 | 855.1 | 856.4 | 858.5 | 856.7 | 856.2 | 861.1 | 864.7 |
| 5° | 843.4 | 849.2 | 860.5 | 870.7 | 879.4 | 885.5 | 892.0 | 894.6 | 899.4 | 906.1 | 914.5 |
| 7.5° | 840.7 | 852.0 | 869.7 | 884.7 | 901.0 | 912.7 | 922.0 | 929.8 | 939.3 | 952.1 | 966.0 |
| 10° | 837.7 | 852.7 | 874.3 | 892.6 | 912.6 | 927.6 | 940.2 | 952.4 | 966.6 | 984.3 | 1002.5 |
| 12.5° | 832.0 | 849.9 | 876.8 | 898.5 | 924.1 | 939.0 | 955.9 | 982.2 | 997.5 | 1022.1 | 1047.8 |
| 15° | 820.6 | 840.5 | 878.1 | 904.8 | 933.8 | 962.1 | 993.2 | 1018.3 | 1043.4 | 1057.9 | 1094.2 |
| 17.5° | 803.7 | 832.9 | 874.6 | 905.8 | 942.5 | 987.1 | 1022.1 | 1050.6 | 1079.5 | 1102.9 | 1121.2 |
| 20° | 790.1 | 821.9 | 869.4 | 906.8 | 950.5 | 998.4 | 1038.6 | 1067.6 | 1092.6 | 1112.2 | 1123.5 |
| 22.5° | 772.8 | 812.9 | 859.2 | 902.9 | 958.7 | 1006.2 | 1048.4 | 1071.2 | 1092.1 | 1101.6 | 1106.0 |
| 25° | 745.6 | 793.9 | 846.3 | 899.7 | 962.7 | 1012.9 | 1051.5 | 1065.3 | 1071.4 | 1062.0 | 1046.6 |
| 27.5° | 716.4 | 770.2 | 831.5 | 893.6 | 960.3 | 1008.5 | 1036.1 | 1034.0 | 1023.6 | 993.4 | 969.3 |
| 30° | 694.6 | 753.7 | 819.6 | 887.4 | 954.3 | 1001.3 | 1017.4 | 1001.3 | 977.8 | 944.1 | 909.6 |
| 32.5° | 671.7 | 732.9 | 807.0 | 878.7 | 943.6 | 984.8 | 988.3 | 960.6 | 924.3 | 886.0 | 843.0 |
| 35° | 637.0 | 703.3 | 783.3 | 859.2 | 920.6 | 946.7 | 931.2 | 882.4 | 839.2 | 786.9 | 728.3 |
| 37.5° | 597.8 | 671.0 | 751.2 | 830.5 | 886.2 | 893.0 | 854.7 | 803.2 | 742.4 | 680.9 | 612.0 |
| 40° | 568.5 | 646.0 | 728.7 | 808.7 | 857.9 | 850.8 | 801.9 | 745.4 | 673.0 | 597.8 | 533.7 |
| 42.5° | 542.3 | 619.7 | 704.0 | 782.5 | 821.9 | 802.5 | 745.4 | 675.9 | 598.1 | 527.3 | 468.7 |
| 45° | 496.8 | 576.5 | 662.7 | 738.6 | 761.1 | 726.1 | 650.5 | 573.3 | 496.8 | 437.6 | 391.3 |
| 47.5° | 452.7 | 531.5 | 616.8 | 683.5 | 691.6 | 644.4 | 561.8 | 482.4 | 416.6 | 368.4 | 335.8 |
| 50° | 420.3 | 499.4 | 583.9 | 643.4 | 640.8 | 583.9 | 499.0 | 423.4 | 368.5 | 329.6 | 307.7 |
| 52.5° | 391.2 | 465.9 | 547.2 | 601.2 | 587.6 | 525.6 | 444.5 | 377.5 | 332.3 | 301.8 | 282.0 |
| 55° | 345.9 | 415.1 | 492.3 | 535.7 | 510.7 | 441.8 | 373.3 | 319.3 | 285.9 | 263.0 | 247.6 |
| 57.5° | 301.1 | 365.9 | 432.0 | 458.7 | 431.0 | 367.5 | 310.4 | 271.2 | 246.1 | 229.1 | 219.1 |
| 60° | 273.3 | 329.9 | 388.7 | 411.9 | 378.8 | 322.2 | 277.2 | 242.1 | 221.9 | 208.0 | 199.1 |
| 62.5° | 245.6 | 296.2 | 351.7 | 364.3 | 334.0 | 286.2 | 246.3 | 217.1 | 200.5 | 188.2 | 179.8 |
| 65° | 207.8 | 249.2 | 291.4 | 299.7 | 271.7 | 234.7 | 203.2 | 184.3 | 169.4 | 160.5 | 153.7 |
| 67.5° | 170.4 | 203.6 | 233.5 | 240.2 | 215.8 | 190.1 | 167.3 | 150.8 | 140.8 | 133.3 | 127.6 |
| 70° | 148.3 | 174.6 | 199.1 | 204.5 | 184.9 | 162.0 | 144.7 | 131.5 | 122.5 | 116.1 | 110.6 |
| 72.5° | 124.8 | 146.8 | 167.1 | 170.8 | 154.8 | 137.3 | 123.1 | 112.7 | 104.8 | 100.7 | 95.4 |
| 75° | 95.5 | 108.4 | 124.2 | 125.1 | 114.5 | 103.8 | 92.9 | 86.2 | 82.0 | 76.9 | 74.3 |
| 77.5° | 67.4 | 77.5 | 86.5 | 88.3 | 82.0 | 74.7 | 68.6 | 63.3 | 59.8 | 57.3 | 55.0 |
| 80° | 51.5 | 59.5 | 63.4 | 65.6 | 61.1 | 56.0 | 52.4 | 48.9 | 46.7 | 45.0 | 43.4 |
| 82.5° | 36.8 | 41.8 | 45.4 | 47.1 | 44.6 | 41.6 | 38.0 | 36.0 | 34.3 | 32.9 | 32.4 |
| 85° | 18.7 | 20.9 | 23.2 | 23.8 | 23.2 | 21.9 | 20.0 | 20.0 | 18.9 | 18.7 | 18.7 |
| 87.5° | 6.7 | 7.9 | 8.1 | 9.0 | 8.6 | 9.0 | 9.4 | 9.5 | 9.3 | 9.0 | 8.6 |
| 90° | 1.2 | 2.4 | 3.0 | 3.6 | 4.6 | 6.1 | 8.2 | 10.1 | 10.3 | 10.1 | 9.7 |
| 92.5° | 5.3 | 7.6 | 8.9 | 10.9 | 13.8 | 20.7 | 30.4 | 39.0 | 39.5 | 33.4 | 26.5 |
| 95° | 11.9 | 14.9 | 17.7 | 22.5 | 29.8 | 43.8 | 70.3 | 105.6 | 119.2 | 104.4 | 79.7 |
| 97.5° | 18.9 | 22.2 | 26.3 | 31.9 | 40.2 | 57.8 | 94.7 | 153.3 | 203.5 | 213.5 | 186.0 |
| 100° | 24.4 | 27.0 | 31.9 | 38.1 | 46.6 | 62.7 | 99.8 | 165.5 | 240.3 | 284.1 | 277.8 |
| 102.5° | 29.7 | 32.5 | 37.3 | 43.7 | 52.2 | 67.1 | 100.0 | 160.8 | 241.5 | 310.4 | 337.9 |
| 105° | 38.3 | 40.5 | 45.0 | 51.7 | 60.3 | 74.6 | 101.6 | 151.8 | 225.4 | 306.3 | 369.6 |
| 107.5° | 46.8 | 48.9 | 53.1 | 59.8 | 68.4 | 82.2 | 105.8 | 147.3 | 208.1 | 279.7 | 346.7 |
| 110° | 53.0 | 54.8 | 58.7 | 65.1 | 74.0 | 87.3 | 109.2 | 146.4 | 199.8 | 262.9 | 327.0 |



TEST NUMBER: P331287-935

CATALOG NUMBER: S122DIP-S485D330U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 58.3 | 60.4 | 64.1 | 70.2 | 79.3 | 92.2 | 112.9 | 146.5 | 194.5 | 251.2 | 309.0 |
| 115° | 66.9 | 68.8 | 72.4 | 78.5 | 86.7 | 99.8 | 118.3 | 147.8 | 188.6 | 236.7 | 286.9 |
| 117.5° | 75.3 | 77.1 | 80.3 | 86.2 | 94.7 | 106.8 | 124.2 | 150.1 | 185.7 | 227.6 | 270.2 |
| 120° | 80.6 | 82.5 | 85.2 | 91.3 | 99.8 | 111.7 | 128.1 | 151.5 | 184.1 | 222.7 | 261.9 |
| 122.5° | 85.5 | 87.3 | 90.3 | 96.3 | 105.1 | 116.2 | 131.5 | 153.2 | 183.0 | 218.5 | 255.4 |
| 125° | 92.2 | 94.0 | 97.6 | 103.8 | 112.3 | 123.2 | 136.9 | 155.8 | 181.3 | 212.7 | 245.8 |
| 127.5° | 97.8 | 100.4 | 104.4 | 110.2 | 119.0 | 129.7 | 142.0 | 158.3 | 180.3 | 207.2 | 236.3 |
| 130° | 101.0 | 104.0 | 108.3 | 114.4 | 122.9 | 133.5 | 145.1 | 160.3 | 179.8 | 203.5 | 230.3 |
| 132.5° | 104.2 | 107.5 | 111.9 | 118.3 | 126.8 | 137.0 | 148.3 | 162.3 | 179.5 | 200.6 | 224.5 |
| 135° | 108.3 | 111.9 | 116.5 | 123.6 | 132.0 | 141.8 | 152.4 | 164.6 | 179.2 | 196.5 | 216.3 |
| 137.5° | 112.7 | 116.3 | 121.2 | 128.1 | 136.0 | 145.7 | 155.6 | 166.7 | 179.1 | 193.6 | 209.8 |
| 140° | 115.6 | 119.2 | 124.2 | 130.8 | 138.7 | 147.8 | 157.3 | 167.6 | 178.9 | 191.9 | 205.6 |
| 142.5° | 118.6 | 121.9 | 126.8 | 133.3 | 140.7 | 149.6 | 158.8 | 168.3 | 178.9 | 190.3 | 202.2 |
| 145° | 123.6 | 126.6 | 131.1 | 137.2 | 143.9 | 152.1 | 160.7 | 169.1 | 178.2 | 188.0 | 197.4 |
| 147.5° | 128.3 | 131.2 | 135.4 | 140.5 | 146.5 | 154.2 | 161.7 | 169.4 | 177.2 | 185.7 | 193.7 |
| 150° | 131.7 | 134.1 | 138.1 | 142.7 | 148.2 | 155.2 | 162.1 | 169.1 | 176.4 | 183.7 | 191.1 |
| 152.5° | 134.7 | 137.1 | 140.5 | 144.9 | 149.8 | 156.1 | 162.4 | 168.7 | 175.2 | 182.0 | 188.4 |
| 155° | 139.3 | 141.1 | 144.5 | 147.8 | 152.4 | 157.6 | 162.7 | 167.9 | 173.1 | 178.9 | 184.7 |
| 157.5° | 143.4 | 144.8 | 147.7 | 150.4 | 154.2 | 158.6 | 162.7 | 166.5 | 170.9 | 175.9 | 180.4 |
| 160° | 146.0 | 147.2 | 149.6 | 152.1 | 155.5 | 159.1 | 162.7 | 165.8 | 169.4 | 173.7 | 177.6 |
| 162.5° | 148.2 | 149.5 | 151.4 | 153.6 | 156.2 | 159.4 | 162.5 | 165.1 | 168.2 | 171.8 | 175.0 |
| 165° | 151.2 | 151.8 | 153.6 | 155.2 | 157.0 | 159.7 | 161.9 | 163.7 | 165.8 | 168.5 | 171.0 |
| 167.5° | 153.7 | 154.2 | 155.4 | 156.5 | 157.6 | 159.6 | 161.4 | 162.3 | 163.7 | 165.4 | 167.1 |
| 170° | 155.2 | 155.5 | 156.4 | 157.0 | 157.9 | 159.4 | 160.9 | 161.5 | 162.5 | 163.7 | 165.2 |
| 172.5° | 156.4 | 156.2 | 157.1 | 157.5 | 158.2 | 159.2 | 160.2 | 160.6 | 161.0 | 162.0 | 163.0 |
| 175° | 157.6 | 157.3 | 157.9 | 157.9 | 158.2 | 158.8 | 159.4 | 159.1 | 159.4 | 159.7 | 160.7 |
| 177.5° | 157.9 | 157.7 | 158.2 | 158.2 | 158.2 | 158.4 | 158.9 | 158.4 | 158.2 | 158.4 | 158.9 |
| 180° | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 |



TEST NUMBER: P331287-935

CATALOG NUMBER: S122DIP-S485D330U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 |
| 2.5° | 867.8 | 871.4 | 871.4 | 871.9 | 876.0 | 875.6 | 875.3 |
| 5° | 923.5 | 928.9 | 929.6 | 935.4 | 939.3 | 938.0 | 934.4 |
| 7.5° | 976.0 | 986.2 | 993.9 | 998.2 | 1003.3 | 1006.4 | 1005.0 |
| 10° | 1017.7 | 1032.5 | 1041.5 | 1047.6 | 1055.0 | 1060.5 | 1058.5 |
| 12.5° | 1055.5 | 1073.2 | 1085.5 | 1096.0 | 1096.9 | 1104.0 | 1099.2 |
| 15° | 1114.5 | 1133.2 | 1135.1 | 1142.8 | 1148.9 | 1148.2 | 1148.6 |
| 17.5° | 1133.9 | 1140.0 | 1141.2 | 1141.3 | 1141.4 | 1139.2 | 1134.3 |
| 20° | 1127.0 | 1124.8 | 1119.3 | 1115.2 | 1107.8 | 1106.7 | 1100.4 |
| 22.5° | 1094.1 | 1086.9 | 1073.2 | 1064.2 | 1052.7 | 1049.6 | 1047.8 |
| 25° | 1029.2 | 1013.5 | 991.6 | 970.8 | 964.9 | 953.7 | 956.9 |
| 27.5° | 940.3 | 915.8 | 892.1 | 875.1 | 859.8 | 842.9 | 847.7 |
| 30° | 877.8 | 850.2 | 816.7 | 791.0 | 774.6 | 758.5 | 755.6 |
| 32.5° | 803.2 | 762.7 | 725.4 | 702.7 | 677.6 | 667.4 | 656.3 |
| 35° | 674.6 | 635.1 | 598.1 | 566.3 | 547.9 | 533.7 | 520.9 |
| 37.5° | 558.9 | 513.4 | 483.5 | 457.8 | 444.5 | 436.4 | 438.4 |
| 40° | 487.2 | 447.3 | 425.4 | 405.8 | 393.6 | 387.8 | 389.1 |
| 42.5° | 429.0 | 399.2 | 381.2 | 367.7 | 359.1 | 355.9 | 355.1 |
| 45° | 363.0 | 346.3 | 331.5 | 323.8 | 319.6 | 316.1 | 313.8 |
| 47.5° | 318.1 | 304.4 | 296.0 | 291.4 | 287.7 | 284.2 | 284.1 |
| 50° | 291.0 | 282.0 | 276.2 | 271.4 | 268.5 | 265.9 | 268.2 |
| 52.5° | 270.4 | 262.2 | 256.4 | 252.1 | 251.0 | 248.7 | 248.7 |
| 55° | 239.9 | 233.4 | 229.3 | 225.4 | 223.5 | 222.2 | 220.6 |
| 57.5° | 212.1 | 206.0 | 202.2 | 199.7 | 196.0 | 194.8 | 194.2 |
| 60° | 192.3 | 187.4 | 183.6 | 180.4 | 178.7 | 176.2 | 176.2 |
| 62.5° | 174.0 | 169.2 | 165.6 | 163.2 | 160.5 | 159.5 | 159.7 |
| 65° | 147.6 | 143.7 | 140.2 | 137.6 | 137.0 | 135.1 | 135.7 |
| 67.5° | 123.3 | 120.7 | 117.0 | 115.5 | 114.3 | 113.3 | 112.5 |
| 70° | 107.1 | 104.5 | 102.5 | 100.7 | 99.7 | 99.7 | 99.7 |
| 72.5° | 93.4 | 90.3 | 89.2 | 86.8 | 87.3 | 86.3 | 85.2 |
| 75° | 72.3 | 70.4 | 69.5 | 68.4 | 66.9 | 66.9 | 66.9 |
| 77.5° | 53.2 | 52.7 | 51.5 | 50.5 | 50.1 | 49.8 | 49.9 |
| 80° | 41.2 | 40.8 | 40.2 | 40.2 | 39.5 | 39.3 | 38.6 |
| 82.5° | 31.6 | 30.8 | 30.4 | 30.1 | 30.0 | 30.0 | 29.9 |
| 85° | 18.0 | 17.4 | 17.4 | 17.7 | 17.0 | 17.0 | 17.4 |
| 87.5° | 8.8 | 8.9 | 8.7 | 8.7 | 9.0 | 8.7 | 8.7 |
| 90° | 9.1 | 9.7 | 10.1 | 10.1 | 10.1 | 10.1 | 10.1 |
| 92.5° | 22.7 | 20.2 | 18.3 | 18.1 | 17.1 | 17.3 | 16.9 |
| 95° | 61.1 | 48.4 | 41.7 | 37.7 | 35.3 | 34.4 | 34.7 |
| 97.5° | 152.1 | 119.2 | 97.3 | 82.7 | 75.3 | 70.9 | 68.3 |
| 100° | 240.0 | 198.4 | 161.5 | 136.3 | 123.2 | 114.4 | 108.9 |
| 102.5° | 329.3 | 298.9 | 259.8 | 232.4 | 210.1 | 199.1 | 191.7 |
| 105° | 404.0 | 407.9 | 398.0 | 379.0 | 360.2 | 347.1 | 342.9 |
| 107.5° | 398.6 | 430.2 | 444.9 | 447.3 | 446.3 | 443.6 | 438.0 |
| 110° | 381.5 | 420.4 | 445.4 | 458.5 | 464.3 | 467.0 | 466.7 |



TEST NUMBER: P331287-935

CATALOG NUMBER: S122DIP-S485D330U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 361.3 | 402.9 | 431.5 | 449.7 | 459.3 | 464.5 | 466.1 |
| 115° | 333.7 | 373.6 | 404.9 | 426.5 | 440.5 | 448.4 | 451.2 |
| 117.5° | 311.3 | 347.5 | 376.9 | 398.9 | 413.7 | 422.0 | 424.3 |
| 120° | 299.6 | 331.9 | 359.6 | 380.9 | 395.2 | 404.0 | 407.1 |
| 122.5° | 289.9 | 320.5 | 345.4 | 364.5 | 378.7 | 386.5 | 389.0 |
| 125° | 277.2 | 303.9 | 326.7 | 344.4 | 355.9 | 363.5 | 366.0 |
| 127.5° | 264.8 | 290.0 | 311.0 | 326.4 | 337.3 | 343.8 | 345.8 |
| 130° | 256.5 | 280.5 | 300.6 | 315.5 | 325.8 | 331.9 | 334.3 |
| 132.5° | 248.7 | 270.8 | 289.6 | 304.3 | 314.6 | 320.2 | 322.4 |
| 135° | 236.3 | 256.5 | 273.5 | 286.5 | 296.6 | 302.1 | 303.3 |
| 137.5° | 226.6 | 242.5 | 257.4 | 269.3 | 277.9 | 282.8 | 284.6 |
| 140° | 220.2 | 234.3 | 247.6 | 257.4 | 265.3 | 269.8 | 271.6 |
| 142.5° | 214.6 | 226.7 | 237.9 | 247.1 | 254.3 | 258.4 | 258.7 |
| 145° | 207.5 | 216.9 | 225.8 | 233.0 | 238.2 | 241.3 | 242.1 |
| 147.5° | 201.6 | 209.0 | 215.4 | 221.4 | 225.6 | 227.6 | 228.3 |
| 150° | 197.8 | 204.1 | 209.6 | 214.1 | 217.8 | 219.6 | 220.0 |
| 152.5° | 194.6 | 200.0 | 204.7 | 208.4 | 211.5 | 212.8 | 212.9 |
| 155° | 189.5 | 194.1 | 197.4 | 200.8 | 202.9 | 204.1 | 203.5 |
| 157.5° | 184.4 | 188.2 | 190.9 | 193.2 | 195.0 | 195.5 | 195.5 |
| 160° | 181.0 | 184.3 | 186.5 | 188.6 | 190.1 | 190.5 | 190.5 |
| 162.5° | 177.9 | 180.7 | 182.4 | 184.5 | 185.5 | 185.8 | 185.5 |
| 165° | 173.1 | 175.2 | 176.4 | 177.6 | 178.9 | 178.9 | 178.6 |
| 167.5° | 168.8 | 170.2 | 171.3 | 171.9 | 172.5 | 172.5 | 172.1 |
| 170° | 166.1 | 167.3 | 167.9 | 168.2 | 169.1 | 168.8 | 168.2 |
| 172.5° | 163.7 | 164.6 | 165.0 | 165.3 | 165.7 | 165.4 | 165.1 |
| 175° | 160.9 | 161.3 | 161.5 | 161.5 | 161.9 | 161.5 | 160.9 |
| 177.5° | 158.9 | 159.2 | 159.2 | 159.2 | 159.2 | 158.9 | 158.4 |
| 180° | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 |

(END OF REPORT)