

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: P332974-840

Luminaire Tested: **SA4XXRDIP-C1020D1035U840-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332974-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXRDIP-C1020D1035U840-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1020 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1035 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

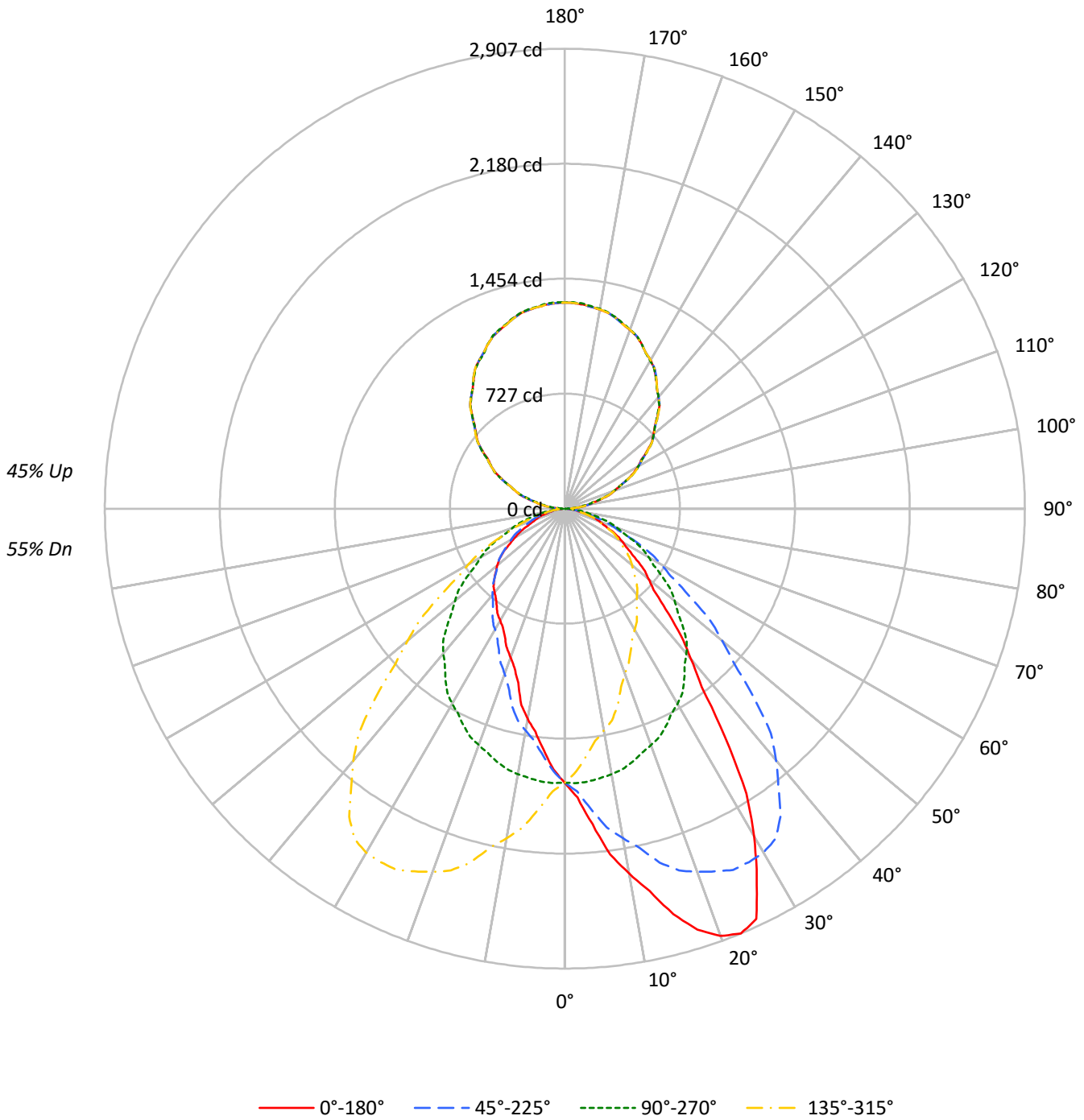
Lumens per Lamp: N/A
Luminaire Lumens: 7999.9 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 60.5
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: P332974-840
CATALOG NUMBER: SA4XXRDIP-C1020D1035U840-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P332974-840

CATALOG NUMBER: SA4XXRDIP-C1020D1035U840-4F0-1E-UDD-A1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 108 | 108 | 108 | 108 | 101 | 101 | 101 | 101 | 86 | 86 | 86 | 73 | 73 | 73 | 61 | 61 | 61 | 55 |
| 1 | 99 | 95 | 91 | 88 | 92 | 89 | 85 | 82 | 76 | 74 | 72 | 65 | 63 | 62 | 54 | 53 | 52 | 47 |
| 2 | 91 | 84 | 78 | 73 | 84 | 78 | 73 | 68 | 67 | 63 | 60 | 57 | 55 | 52 | 48 | 46 | 45 | 40 |
| 3 | 83 | 74 | 67 | 61 | 77 | 69 | 63 | 58 | 60 | 55 | 51 | 51 | 48 | 45 | 43 | 41 | 39 | 35 |
| 4 | 76 | 66 | 58 | 52 | 71 | 62 | 55 | 49 | 53 | 48 | 44 | 46 | 42 | 39 | 39 | 36 | 34 | 30 |
| 5 | 70 | 59 | 51 | 45 | 65 | 55 | 48 | 43 | 48 | 42 | 38 | 41 | 37 | 34 | 35 | 32 | 30 | 26 |
| 6 | 65 | 53 | 45 | 39 | 60 | 50 | 43 | 37 | 43 | 38 | 34 | 38 | 33 | 30 | 32 | 29 | 26 | 23 |
| 7 | 60 | 48 | 40 | 35 | 56 | 45 | 38 | 33 | 40 | 34 | 30 | 34 | 30 | 27 | 29 | 26 | 23 | 21 |
| 8 | 56 | 44 | 36 | 31 | 52 | 41 | 34 | 29 | 36 | 31 | 27 | 31 | 27 | 24 | 27 | 24 | 21 | 19 |
| 9 | 52 | 40 | 33 | 28 | 48 | 38 | 31 | 26 | 33 | 28 | 24 | 29 | 25 | 21 | 25 | 22 | 19 | 17 |
| 10 | 49 | 37 | 30 | 25 | 45 | 35 | 28 | 24 | 31 | 25 | 22 | 27 | 23 | 19 | 23 | 20 | 17 | 15 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 13988 | 13988 | 13988 | 13988 |
| 5° | 16226 | 14030 | 12400 | 14030 |
| 10° | 19194 | 13969 | 11068 | 13969 |
| 15° | 22172 | 13840 | 9510 | 13840 |
| 20° | 24686 | 13662 | 8600 | 13662 |
| 25° | 25483 | 13488 | 7985 | 13488 |
| 30° | 22309 | 13276 | 7614 | 13276 |
| 35° | 17366 | 12962 | 7389 | 12962 |
| 40° | 13022 | 12603 | 7268 | 12603 |
| 45° | 10282 | 12028 | 7205 | 12028 |
| 50° | 8681 | 11362 | 6997 | 11362 |
| 55° | 7567 | 10632 | 6622 | 10632 |
| 60° | 6807 | 9875 | 5861 | 9875 |
| 65° | 6002 | 9054 | 5041 | 9054 |
| 70° | 5403 | 8207 | 4548 | 8207 |
| 75° | 4529 | 7274 | 3877 | 7274 |
| 80° | 3831 | 6197 | 3636 | 6197 |
| 85° | 3233 | 4844 | 3233 | 4844 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 167.9 | 2.1 |
| 10°-20° | 506.4 | 6.3 |
| 20°-30° | 792.1 | 9.9 |
| 30°-40° | 880.6 | 11.0 |
| 40°-50° | 781.3 | 9.8 |
| 50°-60° | 608.8 | 7.6 |
| 60°-70° | 398.6 | 5.0 |
| 70°-80° | 196.0 | 2.5 |
| 80°-90° | 52.3 | 0.7 |
| 90°-100° | 86.0 | 1.1 |
| 100°-110° | 254.7 | 3.2 |
| 110°-120° | 432.2 | 5.4 |
| 120°-130° | 569.9 | 7.1 |
| 130°-140° | 640.1 | 8.0 |
| 140°-150° | 629.0 | 7.9 |
| 150°-160° | 529.0 | 6.6 |
| 160°-170° | 352.0 | 4.4 |
| 170°-180° | 123.2 | 1.5 |
| 0°-30° | 1466.4 | 18.3 |
| 0°-40° | 2347.0 | 29.3 |
| 0°-60° | 3737.0 | 46.7 |
| 0°-90° | 4383.9 | 54.8 |
| 90°-120° | 772.9 | 9.7 |
| 90°-150° | 2611.8 | 32.6 |
| 90°-180° | 3616.0 | 45.2 |
| 0°-180° | 7999.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1733 | 1733 | 1733 | 1733 | 1733 | |
| 5° | 2002 | 1731 | 1530 | 1731 | 2002 | 203 |
| 15° | 2653 | 1656 | 1138 | 1656 | 2653 | 754 |
| 25° | 2861 | 1514 | 896 | 1514 | 2861 | 1269 |
| 35° | 1762 | 1315 | 750 | 1315 | 1762 | 1105 |
| 45° | 901 | 1054 | 631 | 1054 | 901 | 713 |
| 55° | 538 | 755 | 470 | 755 | 538 | 489 |
| 65° | 314 | 474 | 264 | 474 | 314 | 316 |
| 75° | 145 | 233 | 124 | 233 | 145 | 160 |
| 85° | 35 | 52 | 35 | 52 | 35 | 40 |
| 90° | 30 | 3 | 30 | 3 | 30 | 17 |
| 95° | 80 | 60 | 80 | 60 | 80 | 83 |
| 105° | 246 | 235 | 246 | 235 | 246 | 259 |
| 115° | 436 | 440 | 436 | 440 | 436 | 430 |
| 125° | 635 | 640 | 635 | 640 | 635 | 566 |
| 135° | 827 | 826 | 827 | 826 | 827 | 638 |
| 145° | 1004 | 1003 | 1004 | 1003 | 1004 | 628 |
| 155° | 1148 | 1149 | 1148 | 1149 | 1148 | 528 |
| 165° | 1248 | 1251 | 1248 | 1251 | 1248 | 351 |
| 175° | 1295 | 1301 | 1295 | 1301 | 1295 | 123 |
| 180° | 1303 | 1303 | 1303 | 1303 | 1303 | |



TEST NUMBER: P332974-840

CATALOG NUMBER: SA4XXRDIP-C1020D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 |
| 2.5° | 1827.7 | 1832.7 | 1827.7 | 1827.1 | 1821.6 | 1819.9 | 1817.7 | 1810.4 | 1797.0 | 1789.2 | 1790.8 |
| 5° | 2002.3 | 2019.6 | 2009.9 | 2008.5 | 1993.2 | 1977.8 | 1968.0 | 1945.7 | 1922.0 | 1905.9 | 1892.6 |
| 7.5° | 2204.1 | 2214.1 | 2208.1 | 2198.3 | 2173.4 | 2159.3 | 2136.7 | 2107.2 | 2064.7 | 2032.1 | 2002.4 |
| 10° | 2341.5 | 2349.9 | 2347.1 | 2329.0 | 2310.8 | 2273.8 | 2252.8 | 2211.7 | 2157.9 | 2115.4 | 2075.5 |
| 12.5° | 2476.7 | 2485.6 | 2461.0 | 2461.8 | 2427.5 | 2398.3 | 2365.1 | 2313.3 | 2251.2 | 2196.3 | 2146.5 |
| 15° | 2652.9 | 2641.7 | 2641.7 | 2627.8 | 2589.3 | 2548.9 | 2514.7 | 2460.2 | 2382.0 | 2316.3 | 2247.3 |
| 17.5° | 2790.9 | 2794.7 | 2789.0 | 2756.0 | 2725.9 | 2684.0 | 2621.3 | 2557.8 | 2485.2 | 2397.1 | 2326.4 |
| 20° | 2873.5 | 2873.5 | 2867.2 | 2844.9 | 2805.8 | 2761.1 | 2693.4 | 2624.2 | 2532.1 | 2443.5 | 2363.9 |
| 22.5° | 2907.0 | 2909.2 | 2901.8 | 2883.4 | 2848.2 | 2804.6 | 2746.9 | 2676.7 | 2581.8 | 2481.9 | 2383.4 |
| 25° | 2860.9 | 2874.2 | 2875.6 | 2870.6 | 2860.2 | 2833.7 | 2784.1 | 2712.2 | 2627.1 | 2518.8 | 2412.7 |
| 27.5° | 2626.7 | 2643.4 | 2658.1 | 2682.2 | 2714.3 | 2731.1 | 2733.3 | 2696.7 | 2622.4 | 2518.3 | 2411.5 |
| 30° | 2393.2 | 2407.1 | 2452.6 | 2511.8 | 2557.9 | 2599.8 | 2636.2 | 2645.8 | 2604.0 | 2510.4 | 2398.0 |
| 32.5° | 2134.0 | 2153.0 | 2198.4 | 2262.2 | 2338.9 | 2409.9 | 2491.4 | 2533.0 | 2531.9 | 2475.8 | 2371.8 |
| 35° | 1762.1 | 1776.0 | 1818.0 | 1884.9 | 1977.1 | 2082.5 | 2211.7 | 2312.2 | 2380.6 | 2375.7 | 2312.2 |
| 37.5° | 1421.1 | 1436.8 | 1479.1 | 1534.8 | 1624.2 | 1754.6 | 1879.7 | 2018.1 | 2144.7 | 2215.7 | 2194.4 |
| 40° | 1235.7 | 1236.4 | 1277.6 | 1334.8 | 1418.6 | 1532.4 | 1668.5 | 1822.1 | 1963.1 | 2078.3 | 2100.6 |
| 42.5° | 1089.3 | 1089.4 | 1116.7 | 1178.4 | 1238.8 | 1345.8 | 1475.8 | 1628.3 | 1793.3 | 1926.4 | 1985.6 |
| 45° | 900.6 | 906.9 | 929.2 | 966.2 | 1013.7 | 1104.4 | 1208.4 | 1350.2 | 1535.2 | 1692.9 | 1791.4 |
| 47.5° | 762.7 | 771.8 | 786.1 | 816.3 | 854.0 | 914.5 | 1000.6 | 1127.9 | 1278.4 | 1452.0 | 1592.1 |
| 50° | 691.2 | 692.6 | 710.6 | 727.4 | 760.2 | 808.4 | 883.8 | 990.0 | 1128.1 | 1295.1 | 1450.7 |
| 52.5° | 629.8 | 629.4 | 640.4 | 661.6 | 688.2 | 725.8 | 786.7 | 883.2 | 1005.8 | 1155.4 | 1316.1 |
| 55° | 537.6 | 541.1 | 549.5 | 566.1 | 586.4 | 613.0 | 661.2 | 733.8 | 830.1 | 957.9 | 1103.8 |
| 57.5° | 467.5 | 469.3 | 475.8 | 482.9 | 501.5 | 520.8 | 556.9 | 607.3 | 688.6 | 793.2 | 929.2 |
| 60° | 421.6 | 422.3 | 424.4 | 434.9 | 449.6 | 467.8 | 492.2 | 534.7 | 603.2 | 698.8 | 806.4 |
| 62.5° | 377.0 | 378.2 | 381.4 | 389.1 | 400.4 | 413.0 | 438.6 | 472.8 | 529.5 | 611.2 | 708.0 |
| 65° | 314.2 | 314.9 | 319.7 | 322.6 | 331.6 | 342.7 | 361.6 | 384.7 | 423.7 | 492.2 | 565.5 |
| 67.5° | 262.5 | 262.5 | 262.8 | 266.5 | 272.9 | 280.2 | 291.5 | 309.9 | 339.4 | 381.4 | 446.1 |
| 70° | 228.9 | 228.9 | 230.4 | 232.5 | 236.0 | 242.3 | 248.5 | 262.5 | 284.2 | 318.3 | 367.9 |
| 72.5° | 197.7 | 198.2 | 199.7 | 200.1 | 201.9 | 207.0 | 211.7 | 220.7 | 236.7 | 262.5 | 302.6 |
| 75° | 145.2 | 147.3 | 150.8 | 153.6 | 157.0 | 156.4 | 161.3 | 166.8 | 171.8 | 187.1 | 210.2 |
| 77.5° | 108.1 | 106.9 | 107.3 | 109.8 | 110.2 | 110.9 | 114.3 | 118.7 | 122.3 | 129.6 | 137.8 |
| 80° | 82.4 | 82.4 | 84.4 | 85.1 | 84.4 | 85.1 | 88.7 | 90.8 | 92.2 | 94.9 | 102.6 |
| 82.5° | 62.3 | 63.4 | 62.7 | 63.4 | 63.8 | 64.5 | 67.5 | 67.9 | 69.3 | 70.4 | 73.6 |
| 85° | 34.9 | 35.6 | 36.3 | 34.9 | 34.9 | 34.9 | 36.3 | 37.0 | 38.4 | 37.7 | 39.1 |
| 87.5° | 18.4 | 17.7 | 18.2 | 18.1 | 18.6 | 17.8 | 18.1 | 19.0 | 17.6 | 17.9 | 17.5 |
| 90° | 30.2 | 29.8 | 29.4 | 28.9 | 28.5 | 27.6 | 26.3 | 24.8 | 23.5 | 22.2 | 20.4 |
| 92.5° | 44.7 | 44.5 | 44.2 | 43.9 | 43.7 | 43.1 | 42.3 | 41.5 | 40.7 | 39.9 | 38.7 |
| 95° | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.3 | 78.7 | 78.0 | 77.3 | 76.6 | 75.0 |
| 97.5° | 124.8 | 124.8 | 124.8 | 124.8 | 124.8 | 124.4 | 123.6 | 122.8 | 122.0 | 121.2 | 119.4 |
| 100° | 156.2 | 156.2 | 156.2 | 156.2 | 156.2 | 156.0 | 155.5 | 155.1 | 154.7 | 154.2 | 152.2 |
| 102.5° | 191.7 | 191.6 | 191.4 | 191.2 | 191.0 | 190.6 | 190.0 | 189.3 | 188.7 | 188.1 | 186.2 |
| 105° | 245.9 | 245.3 | 244.6 | 243.9 | 243.3 | 242.6 | 242.0 | 241.3 | 240.5 | 239.9 | 239.0 |
| 107.5° | 298.7 | 298.8 | 298.8 | 298.9 | 298.9 | 298.6 | 298.0 | 297.4 | 296.8 | 296.2 | 296.0 |
| 110° | 336.7 | 336.0 | 335.3 | 334.7 | 334.0 | 333.9 | 334.3 | 334.8 | 335.2 | 335.7 | 335.9 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 375.4 | 375.3 | 375.1 | 375.0 | 374.9 | 374.9 | 374.9 | 375.0 | 375.1 | 375.2 | 375.6 |
| 115° | 435.5 | 435.7 | 435.9 | 436.2 | 436.4 | 436.6 | 436.8 | 437.0 | 437.3 | 437.5 | 437.9 |
| 117.5° | 492.7 | 493.1 | 493.6 | 494.0 | 494.5 | 495.1 | 495.8 | 496.7 | 497.4 | 498.2 | 498.5 |
| 120° | 536.2 | 535.8 | 535.3 | 534.9 | 534.4 | 534.8 | 535.9 | 537.0 | 538.2 | 539.3 | 540.0 |
| 122.5° | 572.5 | 573.3 | 574.1 | 574.9 | 575.7 | 576.5 | 577.3 | 578.0 | 578.9 | 579.6 | 579.9 |
| 125° | 635.0 | 635.5 | 635.9 | 636.4 | 636.8 | 637.2 | 637.7 | 638.1 | 638.6 | 639.0 | 639.2 |
| 127.5° | 692.9 | 693.3 | 693.6 | 694.0 | 694.3 | 694.7 | 695.2 | 695.6 | 696.1 | 696.5 | 696.9 |
| 130° | 730.7 | 731.6 | 732.6 | 733.5 | 734.4 | 735.1 | 735.5 | 736.0 | 736.4 | 736.8 | 736.8 |
| 132.5° | 771.1 | 771.4 | 771.8 | 772.1 | 772.5 | 773.0 | 773.4 | 773.9 | 774.3 | 774.8 | 774.9 |
| 135° | 826.6 | 827.2 | 827.9 | 828.6 | 829.2 | 829.8 | 830.2 | 830.7 | 831.1 | 831.6 | 831.6 |
| 137.5° | 884.8 | 884.6 | 884.5 | 884.4 | 884.2 | 884.5 | 885.0 | 885.7 | 886.3 | 886.9 | 886.5 |
| 140° | 920.3 | 920.5 | 920.7 | 921.0 | 921.2 | 921.4 | 921.6 | 921.9 | 922.1 | 922.3 | 922.3 |
| 142.5° | 955.7 | 955.8 | 955.8 | 955.9 | 955.9 | 956.0 | 956.0 | 956.0 | 956.1 | 956.1 | 956.3 |
| 145° | 1003.9 | 1004.6 | 1005.3 | 1005.9 | 1006.6 | 1007.0 | 1007.3 | 1007.5 | 1007.7 | 1007.9 | 1007.7 |
| 147.5° | 1052.8 | 1053.0 | 1053.2 | 1053.4 | 1053.6 | 1053.8 | 1054.0 | 1054.2 | 1054.4 | 1054.6 | 1054.7 |
| 150° | 1082.6 | 1082.8 | 1083.0 | 1083.3 | 1083.5 | 1083.6 | 1083.6 | 1083.6 | 1083.6 | 1083.6 | 1083.6 |
| 152.5° | 1109.9 | 1110.5 | 1111.2 | 1111.8 | 1112.4 | 1112.4 | 1111.8 | 1111.3 | 1110.8 | 1110.1 | 1110.0 |
| 155° | 1148.1 | 1149.0 | 1149.9 | 1150.7 | 1151.7 | 1151.7 | 1150.7 | 1149.9 | 1149.0 | 1148.1 | 1148.3 |
| 157.5° | 1182.1 | 1183.0 | 1183.7 | 1184.5 | 1185.2 | 1185.3 | 1184.6 | 1183.9 | 1183.3 | 1182.6 | 1182.7 |
| 160° | 1201.5 | 1202.6 | 1203.8 | 1204.9 | 1206.0 | 1206.2 | 1205.6 | 1204.9 | 1204.2 | 1203.6 | 1203.8 |
| 162.5° | 1221.6 | 1222.8 | 1224.0 | 1225.1 | 1226.2 | 1226.1 | 1224.9 | 1223.7 | 1222.4 | 1221.2 | 1221.5 |
| 165° | 1247.9 | 1248.8 | 1249.7 | 1250.6 | 1251.4 | 1251.2 | 1249.9 | 1248.6 | 1247.2 | 1245.9 | 1246.3 |
| 167.5° | 1266.7 | 1268.0 | 1269.4 | 1270.8 | 1272.2 | 1272.2 | 1270.9 | 1269.5 | 1268.2 | 1266.9 | 1266.8 |
| 170° | 1277.1 | 1278.7 | 1280.2 | 1281.8 | 1283.3 | 1283.5 | 1282.1 | 1280.8 | 1279.5 | 1278.1 | 1277.9 |
| 172.5° | 1286.0 | 1287.6 | 1289.1 | 1290.7 | 1292.2 | 1292.3 | 1290.7 | 1289.2 | 1287.7 | 1286.2 | 1286.2 |
| 175° | 1295.3 | 1296.9 | 1298.4 | 1300.0 | 1301.5 | 1301.5 | 1300.0 | 1298.4 | 1296.9 | 1295.3 | 1295.5 |
| 177.5° | 1300.1 | 1301.5 | 1302.9 | 1304.4 | 1305.9 | 1306.0 | 1304.6 | 1303.4 | 1302.1 | 1300.9 | 1300.9 |
| 180° | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 |



TEST NUMBER: P332974-840

CATALOG NUMBER: SA4XXRDIP-C1020D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 |
| 2.5° | 1785.2 | 1777.5 | 1773.5 | 1764.5 | 1753.9 | 1748.4 | 1743.3 | 1736.1 | 1726.6 | 1716.6 | 1709.3 |
| 5° | 1875.8 | 1859.1 | 1838.2 | 1813.0 | 1790.7 | 1769.1 | 1750.2 | 1731.3 | 1709.7 | 1687.4 | 1665.1 |
| 7.5° | 1968.8 | 1935.9 | 1900.3 | 1859.1 | 1819.1 | 1782.6 | 1749.1 | 1717.0 | 1680.6 | 1648.1 | 1618.5 |
| 10° | 2033.7 | 1988.9 | 1939.3 | 1887.0 | 1834.6 | 1789.3 | 1744.6 | 1704.1 | 1659.4 | 1619.6 | 1586.1 |
| 12.5° | 2086.2 | 2033.7 | 1974.0 | 1908.8 | 1845.8 | 1791.0 | 1739.6 | 1686.8 | 1636.0 | 1592.9 | 1548.1 |
| 15° | 2173.2 | 2101.3 | 2021.0 | 1942.9 | 1861.2 | 1786.5 | 1717.4 | 1656.0 | 1598.0 | 1537.3 | 1494.7 |
| 17.5° | 2233.1 | 2147.9 | 2050.2 | 1956.3 | 1859.8 | 1771.7 | 1691.9 | 1618.8 | 1552.0 | 1490.0 | 1439.3 |
| 20° | 2268.9 | 2174.6 | 2066.5 | 1959.6 | 1851.4 | 1757.2 | 1671.3 | 1590.3 | 1521.3 | 1454.2 | 1401.8 |
| 22.5° | 2289.0 | 2184.7 | 2066.5 | 1954.6 | 1842.5 | 1740.4 | 1646.2 | 1561.9 | 1486.6 | 1419.6 | 1361.6 |
| 25° | 2295.4 | 2183.7 | 2063.0 | 1934.5 | 1811.6 | 1703.4 | 1605.7 | 1514.2 | 1430.5 | 1363.4 | 1302.0 |
| 27.5° | 2286.5 | 2155.0 | 2031.2 | 1899.5 | 1772.7 | 1658.6 | 1556.0 | 1460.0 | 1376.0 | 1304.1 | 1241.1 |
| 30° | 2273.1 | 2132.0 | 1999.4 | 1862.6 | 1734.1 | 1624.6 | 1516.3 | 1424.2 | 1336.9 | 1262.2 | 1198.7 |
| 32.5° | 2244.0 | 2104.2 | 1961.5 | 1821.3 | 1691.1 | 1578.2 | 1475.5 | 1382.8 | 1297.3 | 1220.9 | 1153.5 |
| 35° | 2186.6 | 2044.8 | 1889.9 | 1746.1 | 1618.2 | 1501.0 | 1404.6 | 1315.2 | 1233.6 | 1152.0 | 1080.7 |
| 37.5° | 2110.7 | 1965.9 | 1811.8 | 1654.3 | 1526.4 | 1415.6 | 1327.3 | 1243.3 | 1163.7 | 1089.0 | 1010.2 |
| 40° | 2039.2 | 1907.2 | 1748.1 | 1591.7 | 1460.5 | 1353.6 | 1272.0 | 1195.9 | 1115.6 | 1041.6 | 962.7 |
| 42.5° | 1952.7 | 1840.3 | 1679.4 | 1522.5 | 1392.9 | 1290.0 | 1213.9 | 1139.4 | 1066.4 | 994.7 | 912.4 |
| 45° | 1808.2 | 1722.9 | 1572.2 | 1421.4 | 1290.8 | 1188.9 | 1119.1 | 1053.5 | 989.3 | 920.8 | 843.3 |
| 47.5° | 1642.5 | 1584.9 | 1454.7 | 1300.3 | 1179.5 | 1087.8 | 1020.4 | 966.7 | 912.4 | 844.0 | 776.1 |
| 50° | 1527.5 | 1490.5 | 1364.8 | 1223.9 | 1108.6 | 1024.1 | 955.0 | 904.7 | 859.4 | 793.8 | 733.1 |
| 52.5° | 1404.6 | 1384.9 | 1278.8 | 1144.0 | 1032.7 | 949.9 | 890.8 | 845.6 | 799.6 | 745.2 | 688.3 |
| 55° | 1217.5 | 1228.0 | 1137.9 | 1021.4 | 916.7 | 846.9 | 793.0 | 755.4 | 716.3 | 670.2 | 626.2 |
| 57.5° | 1026.2 | 1064.5 | 1004.0 | 901.7 | 803.5 | 739.0 | 698.5 | 666.8 | 634.0 | 595.8 | 558.3 |
| 60° | 911.7 | 943.8 | 909.7 | 819.6 | 733.8 | 673.7 | 636.0 | 611.6 | 578.8 | 543.8 | 515.2 |
| 62.5° | 800.0 | 834.4 | 814.2 | 741.4 | 661.7 | 610.1 | 576.8 | 554.0 | 529.6 | 499.2 | 469.4 |
| 65° | 659.7 | 682.1 | 672.3 | 622.1 | 565.5 | 521.5 | 490.8 | 474.0 | 451.7 | 429.4 | 402.8 |
| 67.5° | 505.3 | 548.5 | 542.7 | 516.0 | 467.2 | 432.8 | 412.7 | 397.9 | 377.6 | 360.9 | 343.0 |
| 70° | 415.4 | 455.1 | 454.4 | 432.8 | 406.3 | 374.2 | 360.2 | 347.7 | 329.5 | 313.5 | 298.8 |
| 72.5° | 340.0 | 376.5 | 381.8 | 365.3 | 347.1 | 322.9 | 309.4 | 300.7 | 283.2 | 272.2 | 260.2 |
| 75° | 238.0 | 264.6 | 271.6 | 271.6 | 263.2 | 250.6 | 238.7 | 233.2 | 220.7 | 210.9 | 203.9 |
| 77.5° | 156.1 | 172.9 | 183.8 | 186.2 | 187.5 | 183.3 | 173.6 | 169.7 | 160.0 | 156.5 | 149.9 |
| 80° | 110.3 | 121.5 | 134.0 | 138.3 | 141.7 | 140.4 | 136.1 | 133.3 | 124.3 | 120.8 | 118.0 |
| 82.5° | 76.2 | 82.4 | 92.7 | 101.9 | 101.0 | 104.6 | 101.0 | 98.8 | 91.9 | 90.6 | 87.9 |
| 85° | 39.8 | 40.5 | 41.9 | 48.2 | 51.7 | 53.0 | 53.7 | 52.3 | 50.3 | 50.3 | 45.3 |
| 87.5° | 17.2 | 16.2 | 17.0 | 16.6 | 16.6 | 18.4 | 19.5 | 19.6 | 18.4 | 17.3 | 16.1 |
| 90° | 18.6 | 16.8 | 15.0 | 12.9 | 10.4 | 8.0 | 5.5 | 3.0 | 5.5 | 8.0 | 10.4 |
| 92.5° | 37.4 | 36.2 | 34.9 | 32.8 | 30.0 | 27.2 | 24.4 | 21.6 | 24.4 | 27.2 | 30.0 |
| 95° | 73.5 | 71.9 | 70.3 | 68.6 | 66.6 | 64.5 | 62.5 | 60.5 | 62.5 | 64.5 | 66.6 |
| 97.5° | 117.4 | 115.6 | 113.8 | 112.1 | 110.5 | 108.9 | 107.2 | 105.6 | 107.2 | 108.9 | 110.5 |
| 100° | 150.2 | 148.1 | 146.1 | 144.7 | 143.8 | 142.9 | 142.0 | 141.1 | 142.0 | 142.9 | 143.8 |
| 102.5° | 184.4 | 182.6 | 180.8 | 179.7 | 179.3 | 178.9 | 178.5 | 178.2 | 178.5 | 178.9 | 179.3 |
| 105° | 238.1 | 237.2 | 236.3 | 235.8 | 235.5 | 235.3 | 235.1 | 234.9 | 235.1 | 235.3 | 235.5 |
| 107.5° | 295.9 | 295.8 | 295.6 | 295.4 | 295.2 | 294.9 | 294.6 | 294.4 | 294.6 | 294.9 | 295.2 |
| 110° | 336.1 | 336.3 | 336.6 | 336.5 | 336.0 | 335.6 | 335.1 | 334.7 | 335.1 | 335.6 | 336.0 |



TEST NUMBER: P332974-840

CATALOG NUMBER: SA4XXRDIP-C1020D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 376.0 | 376.4 | 376.8 | 377.0 | 376.9 | 376.8 | 376.7 | 376.6 | 376.7 | 376.8 | 376.9 |
| 115° | 438.4 | 438.8 | 439.3 | 439.5 | 439.5 | 439.5 | 439.5 | 439.5 | 439.5 | 439.5 | 439.5 |
| 117.5° | 498.8 | 499.1 | 499.4 | 499.5 | 499.3 | 499.1 | 499.0 | 498.8 | 499.0 | 499.1 | 499.3 |
| 120° | 540.6 | 541.3 | 542.0 | 541.9 | 541.0 | 540.1 | 539.2 | 538.3 | 539.2 | 540.1 | 541.0 |
| 122.5° | 580.2 | 580.6 | 580.9 | 580.8 | 580.5 | 580.1 | 579.8 | 579.4 | 579.8 | 580.1 | 580.5 |
| 125° | 639.5 | 639.7 | 640.0 | 640.1 | 640.1 | 640.1 | 640.1 | 640.1 | 640.1 | 640.1 | 640.1 |
| 127.5° | 697.2 | 697.6 | 697.9 | 697.8 | 697.1 | 696.4 | 695.8 | 695.1 | 695.8 | 696.4 | 697.1 |
| 130° | 736.8 | 736.8 | 736.8 | 736.5 | 735.8 | 735.2 | 734.5 | 733.8 | 734.5 | 735.2 | 735.8 |
| 132.5° | 775.1 | 775.3 | 775.5 | 775.3 | 774.8 | 774.3 | 773.9 | 773.4 | 773.9 | 774.3 | 774.8 |
| 135° | 831.6 | 831.6 | 831.6 | 830.9 | 829.6 | 828.2 | 826.9 | 825.6 | 826.9 | 828.2 | 829.6 |
| 137.5° | 886.2 | 885.8 | 885.3 | 884.9 | 884.2 | 883.6 | 883.0 | 882.4 | 883.0 | 883.6 | 884.2 |
| 140° | 922.3 | 922.3 | 922.3 | 922.1 | 921.6 | 921.2 | 920.7 | 920.3 | 920.7 | 921.2 | 921.6 |
| 142.5° | 956.5 | 956.7 | 956.8 | 956.7 | 956.3 | 955.8 | 955.4 | 954.9 | 955.4 | 955.8 | 956.3 |
| 145° | 1007.5 | 1007.3 | 1007.0 | 1006.5 | 1005.6 | 1004.7 | 1003.8 | 1002.9 | 1003.8 | 1004.7 | 1005.6 |
| 147.5° | 1054.9 | 1055.1 | 1055.3 | 1054.8 | 1053.8 | 1052.7 | 1051.6 | 1050.6 | 1051.6 | 1052.7 | 1053.8 |
| 150° | 1083.6 | 1083.6 | 1083.6 | 1083.2 | 1082.3 | 1081.4 | 1080.5 | 1079.5 | 1080.5 | 1081.4 | 1082.3 |
| 152.5° | 1109.8 | 1109.6 | 1109.4 | 1109.1 | 1108.6 | 1108.0 | 1107.5 | 1107.0 | 1107.5 | 1108.0 | 1108.6 |
| 155° | 1148.5 | 1148.7 | 1149.0 | 1149.1 | 1149.1 | 1149.1 | 1149.1 | 1149.1 | 1149.1 | 1149.1 | 1149.1 |
| 157.5° | 1182.7 | 1182.7 | 1182.8 | 1183.0 | 1183.4 | 1183.8 | 1184.2 | 1184.6 | 1184.2 | 1183.8 | 1183.4 |
| 160° | 1204.0 | 1204.2 | 1204.5 | 1204.7 | 1204.9 | 1205.1 | 1205.3 | 1205.6 | 1205.3 | 1205.1 | 1204.9 |
| 162.5° | 1221.7 | 1221.9 | 1222.1 | 1222.5 | 1223.1 | 1223.8 | 1224.4 | 1224.9 | 1224.4 | 1223.8 | 1223.1 |
| 165° | 1246.8 | 1247.2 | 1247.7 | 1248.2 | 1248.9 | 1249.6 | 1250.2 | 1250.9 | 1250.2 | 1249.6 | 1248.9 |
| 167.5° | 1266.8 | 1266.7 | 1266.7 | 1267.1 | 1268.1 | 1269.0 | 1269.9 | 1270.9 | 1269.9 | 1269.0 | 1268.1 |
| 170° | 1277.7 | 1277.5 | 1277.2 | 1277.7 | 1278.8 | 1279.9 | 1281.0 | 1282.1 | 1281.0 | 1279.9 | 1278.8 |
| 172.5° | 1286.1 | 1286.1 | 1286.0 | 1286.5 | 1287.4 | 1288.4 | 1289.3 | 1290.2 | 1289.3 | 1288.4 | 1287.4 |
| 175° | 1295.7 | 1296.0 | 1296.2 | 1296.9 | 1298.0 | 1299.1 | 1300.2 | 1301.3 | 1300.2 | 1299.1 | 1298.0 |
| 177.5° | 1300.9 | 1300.9 | 1300.9 | 1301.3 | 1302.2 | 1303.1 | 1304.0 | 1304.9 | 1304.0 | 1303.1 | 1302.2 |
| 180° | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 |



TEST NUMBER: P332974-840

CATALOG NUMBER: SA4XXRDIP-C1020D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 |
| 2.5° | 1701.4 | 1695.9 | 1688.6 | 1680.2 | 1670.2 | 1661.2 | 1657.4 | 1660.7 | 1662.3 | 1657.9 | 1657.4 |
| 5° | 1649.7 | 1632.2 | 1618.2 | 1597.3 | 1580.5 | 1566.6 | 1556.8 | 1552.7 | 1554.0 | 1542.9 | 1540.0 |
| 7.5° | 1591.4 | 1570.7 | 1547.9 | 1523.0 | 1499.9 | 1479.4 | 1468.5 | 1462.7 | 1450.9 | 1445.8 | 1437.3 |
| 10° | 1554.0 | 1526.1 | 1503.8 | 1474.4 | 1447.9 | 1423.5 | 1411.6 | 1401.8 | 1390.0 | 1384.4 | 1372.5 |
| 12.5° | 1515.5 | 1483.1 | 1458.5 | 1428.1 | 1401.0 | 1371.5 | 1360.2 | 1342.1 | 1323.5 | 1311.8 | 1296.6 |
| 15° | 1461.2 | 1422.1 | 1392.1 | 1355.7 | 1323.6 | 1290.1 | 1260.1 | 1226.6 | 1214.1 | 1187.5 | 1172.2 |
| 17.5° | 1397.7 | 1358.0 | 1320.8 | 1272.1 | 1222.5 | 1180.9 | 1148.9 | 1116.8 | 1097.6 | 1080.7 | 1072.9 |
| 20° | 1355.7 | 1319.5 | 1267.8 | 1211.2 | 1156.1 | 1110.0 | 1084.2 | 1063.3 | 1042.3 | 1030.5 | 1022.1 |
| 22.5° | 1316.1 | 1269.7 | 1209.7 | 1148.7 | 1093.6 | 1057.5 | 1035.6 | 1014.1 | 997.0 | 985.7 | 974.6 |
| 25° | 1249.6 | 1188.9 | 1125.4 | 1055.6 | 1017.8 | 986.4 | 962.7 | 945.2 | 934.8 | 920.1 | 914.5 |
| 27.5° | 1181.3 | 1107.8 | 1037.7 | 990.8 | 951.5 | 922.8 | 902.1 | 889.0 | 875.8 | 866.4 | 859.1 |
| 30° | 1128.8 | 1054.2 | 991.4 | 946.6 | 906.9 | 883.1 | 866.4 | 851.0 | 840.5 | 832.8 | 827.3 |
| 32.5° | 1076.9 | 1002.2 | 949.5 | 901.4 | 870.0 | 846.9 | 829.0 | 817.5 | 809.3 | 799.3 | 796.0 |
| 35° | 1001.8 | 935.4 | 889.4 | 846.2 | 814.1 | 793.0 | 779.1 | 767.2 | 760.2 | 757.5 | 755.4 |
| 37.5° | 929.6 | 875.4 | 825.8 | 790.3 | 761.6 | 745.2 | 728.7 | 722.9 | 718.1 | 713.1 | 715.3 |
| 40° | 883.8 | 832.8 | 788.9 | 751.1 | 728.1 | 710.0 | 700.2 | 693.3 | 689.0 | 689.0 | 689.0 |
| 42.5° | 844.1 | 794.4 | 751.4 | 717.7 | 694.6 | 679.2 | 668.4 | 662.5 | 661.2 | 660.6 | 663.9 |
| 45° | 782.6 | 736.5 | 693.3 | 665.3 | 645.8 | 630.4 | 624.1 | 619.2 | 619.2 | 622.1 | 622.7 |
| 47.5° | 721.5 | 678.4 | 643.7 | 612.4 | 594.5 | 584.9 | 579.5 | 576.9 | 577.2 | 580.0 | 583.2 |
| 50° | 684.2 | 641.6 | 607.3 | 579.5 | 562.7 | 553.6 | 548.8 | 547.3 | 548.8 | 548.8 | 553.6 |
| 52.5° | 643.4 | 605.3 | 571.6 | 548.2 | 529.2 | 520.7 | 518.0 | 516.0 | 516.8 | 519.2 | 521.2 |
| 55° | 583.6 | 549.5 | 517.4 | 494.9 | 481.0 | 475.4 | 469.2 | 469.8 | 468.5 | 469.8 | 469.8 |
| 57.5° | 523.7 | 493.0 | 463.1 | 445.5 | 433.1 | 425.1 | 418.2 | 420.1 | 418.1 | 417.8 | 416.7 |
| 60° | 485.2 | 451.7 | 428.0 | 411.9 | 397.9 | 390.9 | 384.7 | 386.1 | 384.0 | 382.5 | 379.8 |
| 62.5° | 443.3 | 415.4 | 392.7 | 377.3 | 366.1 | 358.0 | 351.7 | 350.3 | 345.5 | 340.7 | 334.6 |
| 65° | 382.5 | 359.5 | 339.3 | 324.7 | 314.2 | 307.9 | 303.0 | 298.8 | 288.3 | 277.1 | 271.6 |
| 67.5° | 323.6 | 306.9 | 288.0 | 275.6 | 267.1 | 258.8 | 249.5 | 242.4 | 232.6 | 226.5 | 223.0 |
| 70° | 285.5 | 269.4 | 253.4 | 241.6 | 232.5 | 224.8 | 214.3 | 209.4 | 202.5 | 199.7 | 196.2 |
| 72.5° | 249.2 | 234.3 | 219.3 | 208.6 | 198.9 | 193.0 | 184.7 | 179.9 | 176.7 | 175.6 | 172.2 |
| 75° | 194.1 | 182.2 | 171.1 | 161.3 | 153.6 | 149.4 | 145.9 | 142.4 | 141.0 | 134.7 | 131.3 |
| 77.5° | 141.6 | 133.8 | 126.7 | 119.8 | 114.3 | 111.6 | 104.8 | 100.8 | 98.5 | 95.5 | 94.8 |
| 80° | 110.3 | 104.7 | 97.8 | 93.5 | 85.8 | 83.1 | 80.3 | 79.6 | 78.9 | 78.2 | 77.5 |
| 82.5° | 82.9 | 77.4 | 70.4 | 67.9 | 65.7 | 64.1 | 62.4 | 61.7 | 61.0 | 61.4 | 61.3 |
| 85° | 41.9 | 39.1 | 39.1 | 38.4 | 37.7 | 37.0 | 36.3 | 36.3 | 35.6 | 36.3 | 35.6 |
| 87.5° | 16.6 | 16.4 | 16.8 | 16.0 | 17.0 | 17.3 | 17.0 | 17.3 | 18.1 | 17.3 | 17.4 |
| 90° | 12.9 | 15.0 | 16.8 | 18.6 | 20.4 | 22.2 | 23.5 | 24.8 | 26.3 | 27.6 | 28.5 |
| 92.5° | 32.8 | 34.9 | 36.2 | 37.4 | 38.7 | 39.9 | 40.7 | 41.5 | 42.3 | 43.1 | 43.7 |
| 95° | 68.6 | 70.3 | 71.9 | 73.5 | 75.0 | 76.6 | 77.3 | 78.0 | 78.7 | 79.3 | 79.7 |
| 97.5° | 112.1 | 113.8 | 115.6 | 117.4 | 119.4 | 121.2 | 122.0 | 122.8 | 123.6 | 124.4 | 124.8 |
| 100° | 144.7 | 146.1 | 148.1 | 150.2 | 152.2 | 154.2 | 154.7 | 155.1 | 155.5 | 156.0 | 156.2 |
| 102.5° | 179.7 | 180.8 | 182.6 | 184.4 | 186.2 | 188.1 | 188.7 | 189.3 | 190.0 | 190.6 | 191.0 |
| 105° | 235.8 | 236.3 | 237.2 | 238.1 | 239.0 | 239.9 | 240.5 | 241.3 | 242.0 | 242.6 | 243.3 |
| 107.5° | 295.4 | 295.6 | 295.8 | 295.9 | 296.0 | 296.2 | 296.8 | 297.4 | 298.0 | 298.6 | 298.9 |
| 110° | 336.5 | 336.6 | 336.3 | 336.1 | 335.9 | 335.7 | 335.2 | 334.8 | 334.3 | 333.9 | 334.0 |



TEST NUMBER: P332974-840

CATALOG NUMBER: SA4XXRDIP-C1020D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 377.0 | 376.8 | 376.4 | 376.0 | 375.6 | 375.2 | 375.1 | 375.0 | 374.9 | 374.9 | 374.9 |
| 115° | 439.5 | 439.3 | 438.8 | 438.4 | 437.9 | 437.5 | 437.3 | 437.0 | 436.8 | 436.6 | 436.4 |
| 117.5° | 499.5 | 499.4 | 499.1 | 498.8 | 498.5 | 498.2 | 497.4 | 496.7 | 495.8 | 495.1 | 494.5 |
| 120° | 541.9 | 542.0 | 541.3 | 540.6 | 540.0 | 539.3 | 538.2 | 537.0 | 535.9 | 534.8 | 534.4 |
| 122.5° | 580.8 | 580.9 | 580.6 | 580.2 | 579.9 | 579.6 | 578.9 | 578.0 | 577.3 | 576.5 | 575.7 |
| 125° | 640.1 | 640.0 | 639.7 | 639.5 | 639.2 | 639.0 | 638.6 | 638.1 | 637.7 | 637.2 | 636.8 |
| 127.5° | 697.8 | 697.9 | 697.6 | 697.2 | 696.9 | 696.5 | 696.1 | 695.6 | 695.2 | 694.7 | 694.3 |
| 130° | 736.5 | 736.8 | 736.8 | 736.8 | 736.8 | 736.8 | 736.4 | 736.0 | 735.5 | 735.1 | 734.4 |
| 132.5° | 775.3 | 775.5 | 775.3 | 775.1 | 774.9 | 774.8 | 774.3 | 773.9 | 773.4 | 773.0 | 772.5 |
| 135° | 830.9 | 831.6 | 831.6 | 831.6 | 831.6 | 831.6 | 831.1 | 830.7 | 830.2 | 829.8 | 829.2 |
| 137.5° | 884.9 | 885.3 | 885.8 | 886.2 | 886.5 | 886.9 | 886.3 | 885.7 | 885.0 | 884.5 | 884.2 |
| 140° | 922.1 | 922.3 | 922.3 | 922.3 | 922.3 | 922.3 | 922.1 | 921.9 | 921.6 | 921.4 | 921.2 |
| 142.5° | 956.7 | 956.8 | 956.7 | 956.5 | 956.3 | 956.1 | 956.1 | 956.0 | 956.0 | 956.0 | 955.9 |
| 145° | 1006.5 | 1007.0 | 1007.3 | 1007.5 | 1007.7 | 1007.9 | 1007.7 | 1007.5 | 1007.3 | 1007.0 | 1006.6 |
| 147.5° | 1054.8 | 1055.3 | 1055.1 | 1054.9 | 1054.7 | 1054.6 | 1054.4 | 1054.2 | 1054.0 | 1053.8 | 1053.6 |
| 150° | 1083.2 | 1083.6 | 1083.6 | 1083.6 | 1083.6 | 1083.6 | 1083.6 | 1083.6 | 1083.6 | 1083.6 | 1083.5 |
| 152.5° | 1109.1 | 1109.4 | 1109.6 | 1109.8 | 1110.0 | 1110.1 | 1110.8 | 1111.3 | 1111.8 | 1112.4 | 1112.4 |
| 155° | 1149.1 | 1149.0 | 1148.7 | 1148.5 | 1148.3 | 1148.1 | 1149.0 | 1149.9 | 1150.7 | 1151.7 | 1151.7 |
| 157.5° | 1183.0 | 1182.8 | 1182.7 | 1182.7 | 1182.7 | 1182.6 | 1183.3 | 1183.9 | 1184.6 | 1185.3 | 1185.2 |
| 160° | 1204.7 | 1204.5 | 1204.2 | 1204.0 | 1203.8 | 1203.6 | 1204.2 | 1204.9 | 1205.6 | 1206.2 | 1206.0 |
| 162.5° | 1222.5 | 1222.1 | 1221.9 | 1221.7 | 1221.5 | 1221.2 | 1222.4 | 1223.7 | 1224.9 | 1226.1 | 1226.2 |
| 165° | 1248.2 | 1247.7 | 1247.2 | 1246.8 | 1246.3 | 1245.9 | 1247.2 | 1248.6 | 1249.9 | 1251.2 | 1251.4 |
| 167.5° | 1267.1 | 1266.7 | 1266.7 | 1266.8 | 1266.8 | 1266.9 | 1268.2 | 1269.5 | 1270.9 | 1272.2 | 1272.2 |
| 170° | 1277.7 | 1277.2 | 1277.5 | 1277.7 | 1277.9 | 1278.1 | 1279.5 | 1280.8 | 1282.1 | 1283.5 | 1283.3 |
| 172.5° | 1286.5 | 1286.0 | 1286.1 | 1286.1 | 1286.2 | 1286.2 | 1287.7 | 1289.2 | 1290.7 | 1292.3 | 1292.2 |
| 175° | 1296.9 | 1296.2 | 1296.0 | 1295.7 | 1295.5 | 1295.3 | 1296.9 | 1298.4 | 1300.0 | 1301.5 | 1301.5 |
| 177.5° | 1301.3 | 1300.9 | 1300.9 | 1300.9 | 1300.9 | 1300.9 | 1302.1 | 1303.4 | 1304.6 | 1306.0 | 1305.9 |
| 180° | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 |



TEST NUMBER: P332974-840

CATALOG NUMBER: SA4XXRDIP-C1020D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 |
| 2.5° | 1654.0 | 1655.1 | 1651.2 | 1650.1 | 1651.2 | 1655.1 | 1654.0 | 1657.4 | 1657.9 | 1662.3 | 1660.7 |
| 5° | 1534.5 | 1533.1 | 1529.5 | 1530.2 | 1529.5 | 1533.1 | 1534.5 | 1540.0 | 1542.9 | 1554.0 | 1552.7 |
| 7.5° | 1432.3 | 1426.8 | 1428.4 | 1422.8 | 1428.4 | 1426.8 | 1432.3 | 1437.3 | 1445.8 | 1450.9 | 1462.7 |
| 10° | 1369.7 | 1362.0 | 1355.7 | 1350.2 | 1355.7 | 1362.0 | 1369.7 | 1372.5 | 1384.4 | 1390.0 | 1401.8 |
| 12.5° | 1284.2 | 1277.7 | 1269.2 | 1270.9 | 1269.2 | 1277.7 | 1284.2 | 1296.6 | 1311.8 | 1323.5 | 1342.1 |
| 15° | 1163.1 | 1152.6 | 1135.9 | 1137.9 | 1135.9 | 1152.6 | 1163.1 | 1172.2 | 1187.5 | 1214.1 | 1226.6 |
| 17.5° | 1060.5 | 1060.6 | 1052.9 | 1054.7 | 1052.9 | 1060.6 | 1060.5 | 1072.9 | 1080.7 | 1097.6 | 1116.8 |
| 20° | 1007.4 | 1002.5 | 1003.2 | 1001.1 | 1003.2 | 1002.5 | 1007.4 | 1022.1 | 1030.5 | 1042.3 | 1063.3 |
| 22.5° | 970.6 | 964.5 | 959.7 | 955.3 | 959.7 | 964.5 | 970.6 | 974.6 | 985.7 | 997.0 | 1014.1 |
| 25° | 908.3 | 904.0 | 897.8 | 896.4 | 897.8 | 904.0 | 908.3 | 914.5 | 920.1 | 934.8 | 945.2 |
| 27.5° | 853.5 | 852.7 | 850.2 | 847.0 | 850.2 | 852.7 | 853.5 | 859.1 | 866.4 | 875.8 | 889.0 |
| 30° | 821.7 | 820.3 | 818.9 | 816.8 | 818.9 | 820.3 | 821.7 | 827.3 | 832.8 | 840.5 | 851.0 |
| 32.5° | 793.2 | 792.3 | 790.9 | 791.1 | 790.9 | 792.3 | 793.2 | 796.0 | 799.3 | 809.3 | 817.5 |
| 35° | 752.6 | 751.8 | 750.5 | 749.8 | 750.5 | 751.8 | 752.6 | 755.4 | 757.5 | 760.2 | 767.2 |
| 37.5° | 714.6 | 716.4 | 715.6 | 715.4 | 715.6 | 716.4 | 714.6 | 715.3 | 713.1 | 718.1 | 722.9 |
| 40° | 688.3 | 689.0 | 690.4 | 689.7 | 690.4 | 689.0 | 688.3 | 689.0 | 689.0 | 689.0 | 693.3 |
| 42.5° | 666.6 | 666.7 | 668.6 | 666.3 | 668.6 | 666.7 | 666.6 | 663.9 | 660.6 | 661.2 | 662.5 |
| 45° | 627.6 | 631.8 | 631.1 | 631.1 | 631.1 | 631.8 | 627.6 | 622.7 | 622.1 | 619.2 | 619.2 |
| 47.5° | 585.0 | 588.7 | 589.7 | 589.5 | 589.7 | 588.7 | 585.0 | 583.2 | 580.0 | 577.2 | 576.9 |
| 50° | 557.1 | 555.7 | 557.8 | 557.1 | 557.8 | 555.7 | 557.1 | 553.6 | 548.8 | 548.8 | 547.3 |
| 52.5° | 523.0 | 523.3 | 523.2 | 522.5 | 523.2 | 523.3 | 523.0 | 521.2 | 519.2 | 516.8 | 516.0 |
| 55° | 470.5 | 471.2 | 469.8 | 470.5 | 469.8 | 471.2 | 470.5 | 469.8 | 469.8 | 468.5 | 469.8 |
| 57.5° | 413.5 | 410.2 | 411.6 | 409.9 | 411.6 | 410.2 | 413.5 | 416.7 | 417.8 | 418.1 | 420.1 |
| 60° | 372.8 | 367.2 | 365.8 | 363.0 | 365.8 | 367.2 | 372.8 | 379.8 | 382.5 | 384.0 | 386.1 |
| 62.5° | 327.0 | 323.1 | 318.3 | 320.5 | 318.3 | 323.1 | 327.0 | 334.6 | 340.7 | 345.5 | 350.3 |
| 65° | 266.0 | 263.2 | 261.1 | 263.9 | 261.1 | 263.2 | 266.0 | 271.6 | 277.1 | 288.3 | 298.8 |
| 67.5° | 220.2 | 218.6 | 218.6 | 217.2 | 218.6 | 218.6 | 220.2 | 223.0 | 226.5 | 232.6 | 242.4 |
| 70° | 196.2 | 194.1 | 194.1 | 192.7 | 194.1 | 194.1 | 196.2 | 196.2 | 199.7 | 202.5 | 209.4 |
| 72.5° | 171.6 | 169.5 | 170.1 | 169.3 | 170.1 | 169.5 | 171.6 | 172.2 | 175.6 | 176.7 | 179.9 |
| 75° | 127.0 | 123.6 | 123.6 | 124.3 | 123.6 | 123.6 | 127.0 | 131.3 | 134.7 | 141.0 | 142.4 |
| 77.5° | 94.8 | 94.1 | 95.1 | 93.8 | 95.1 | 94.1 | 94.8 | 94.8 | 95.5 | 98.5 | 100.8 |
| 80° | 77.5 | 76.7 | 76.1 | 78.2 | 76.1 | 76.7 | 77.5 | 77.5 | 78.2 | 78.9 | 79.6 |
| 82.5° | 60.2 | 60.1 | 59.9 | 62.5 | 59.9 | 60.1 | 60.2 | 61.3 | 61.4 | 61.0 | 61.7 |
| 85° | 36.3 | 34.9 | 36.3 | 34.9 | 36.3 | 34.9 | 36.3 | 35.6 | 36.3 | 35.6 | 36.3 |
| 87.5° | 18.6 | 18.2 | 17.7 | 18.4 | 17.7 | 18.2 | 18.6 | 17.4 | 17.3 | 18.1 | 17.3 |
| 90° | 28.9 | 29.4 | 29.8 | 30.2 | 29.8 | 29.4 | 28.9 | 28.5 | 27.6 | 26.3 | 24.8 |
| 92.5° | 43.9 | 44.2 | 44.5 | 44.7 | 44.5 | 44.2 | 43.9 | 43.7 | 43.1 | 42.3 | 41.5 |
| 95° | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.3 | 78.7 | 78.0 |
| 97.5° | 124.8 | 124.8 | 124.8 | 124.8 | 124.8 | 124.8 | 124.8 | 124.8 | 124.4 | 123.6 | 122.8 |
| 100° | 156.2 | 156.2 | 156.2 | 156.2 | 156.2 | 156.2 | 156.2 | 156.2 | 156.0 | 155.5 | 155.1 |
| 102.5° | 191.2 | 191.4 | 191.6 | 191.7 | 191.6 | 191.4 | 191.2 | 191.0 | 190.6 | 190.0 | 189.3 |
| 105° | 243.9 | 244.6 | 245.3 | 245.9 | 245.3 | 244.6 | 243.9 | 243.3 | 242.6 | 242.0 | 241.3 |
| 107.5° | 298.9 | 298.8 | 298.8 | 298.7 | 298.8 | 298.8 | 298.9 | 298.9 | 298.6 | 298.0 | 297.4 |
| 110° | 334.7 | 335.3 | 336.0 | 336.7 | 336.0 | 335.3 | 334.7 | 334.0 | 333.9 | 334.3 | 334.8 |



TEST NUMBER: P332974-840

CATALOG NUMBER: SA4XXRDIP-C1020D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 375.0 | 375.1 | 375.3 | 375.4 | 375.3 | 375.1 | 375.0 | 374.9 | 374.9 | 374.9 | 375.0 |
| 115° | 436.2 | 435.9 | 435.7 | 435.5 | 435.7 | 435.9 | 436.2 | 436.4 | 436.6 | 436.8 | 437.0 |
| 117.5° | 494.0 | 493.6 | 493.1 | 492.7 | 493.1 | 493.6 | 494.0 | 494.5 | 495.1 | 495.8 | 496.7 |
| 120° | 534.9 | 535.3 | 535.8 | 536.2 | 535.8 | 535.3 | 534.9 | 534.4 | 534.8 | 535.9 | 537.0 |
| 122.5° | 574.9 | 574.1 | 573.3 | 572.5 | 573.3 | 574.1 | 574.9 | 575.7 | 576.5 | 577.3 | 578.0 |
| 125° | 636.4 | 635.9 | 635.5 | 635.0 | 635.5 | 635.9 | 636.4 | 636.8 | 637.2 | 637.7 | 638.1 |
| 127.5° | 694.0 | 693.6 | 693.3 | 692.9 | 693.3 | 693.6 | 694.0 | 694.3 | 694.7 | 695.2 | 695.6 |
| 130° | 733.5 | 732.6 | 731.6 | 730.7 | 731.6 | 732.6 | 733.5 | 734.4 | 735.1 | 735.5 | 736.0 |
| 132.5° | 772.1 | 771.8 | 771.4 | 771.1 | 771.4 | 771.8 | 772.1 | 772.5 | 773.0 | 773.4 | 773.9 |
| 135° | 828.6 | 827.9 | 827.2 | 826.6 | 827.2 | 827.9 | 828.6 | 829.2 | 829.8 | 830.2 | 830.7 |
| 137.5° | 884.4 | 884.5 | 884.6 | 884.8 | 884.6 | 884.5 | 884.4 | 884.2 | 884.5 | 885.0 | 885.7 |
| 140° | 921.0 | 920.7 | 920.5 | 920.3 | 920.5 | 920.7 | 921.0 | 921.2 | 921.4 | 921.6 | 921.9 |
| 142.5° | 955.9 | 955.8 | 955.8 | 955.7 | 955.8 | 955.8 | 955.9 | 955.9 | 956.0 | 956.0 | 956.0 |
| 145° | 1005.9 | 1005.3 | 1004.6 | 1003.9 | 1004.6 | 1005.3 | 1005.9 | 1006.6 | 1007.0 | 1007.3 | 1007.5 |
| 147.5° | 1053.4 | 1053.2 | 1053.0 | 1052.8 | 1053.0 | 1053.2 | 1053.4 | 1053.6 | 1053.8 | 1054.0 | 1054.2 |
| 150° | 1083.3 | 1083.0 | 1082.8 | 1082.6 | 1082.8 | 1083.0 | 1083.3 | 1083.5 | 1083.6 | 1083.6 | 1083.6 |
| 152.5° | 1111.8 | 1111.2 | 1110.5 | 1109.9 | 1110.5 | 1111.2 | 1111.8 | 1112.4 | 1112.4 | 1111.8 | 1111.3 |
| 155° | 1150.7 | 1149.9 | 1149.0 | 1148.1 | 1149.0 | 1149.9 | 1150.7 | 1151.7 | 1151.7 | 1150.7 | 1149.9 |
| 157.5° | 1184.5 | 1183.7 | 1183.0 | 1182.1 | 1183.0 | 1183.7 | 1184.5 | 1185.2 | 1185.3 | 1184.6 | 1183.9 |
| 160° | 1204.9 | 1203.8 | 1202.6 | 1201.5 | 1202.6 | 1203.8 | 1204.9 | 1206.0 | 1206.2 | 1205.6 | 1204.9 |
| 162.5° | 1225.1 | 1224.0 | 1222.8 | 1221.6 | 1222.8 | 1224.0 | 1225.1 | 1226.2 | 1226.1 | 1224.9 | 1223.7 |
| 165° | 1250.6 | 1249.7 | 1248.8 | 1247.9 | 1248.8 | 1249.7 | 1250.6 | 1251.4 | 1251.2 | 1249.9 | 1248.6 |
| 167.5° | 1270.8 | 1269.4 | 1268.0 | 1266.7 | 1268.0 | 1269.4 | 1270.8 | 1272.2 | 1272.2 | 1270.9 | 1269.5 |
| 170° | 1281.8 | 1280.2 | 1278.7 | 1277.1 | 1278.7 | 1280.2 | 1281.8 | 1283.3 | 1283.5 | 1282.1 | 1280.8 |
| 172.5° | 1290.7 | 1289.1 | 1287.6 | 1286.0 | 1287.6 | 1289.1 | 1290.7 | 1292.2 | 1292.3 | 1290.7 | 1289.2 |
| 175° | 1300.0 | 1298.4 | 1296.9 | 1295.3 | 1296.9 | 1298.4 | 1300.0 | 1301.5 | 1301.5 | 1300.0 | 1298.4 |
| 177.5° | 1304.4 | 1302.9 | 1301.5 | 1300.1 | 1301.5 | 1302.9 | 1304.4 | 1305.9 | 1306.0 | 1304.6 | 1303.4 |
| 180° | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 |



TEST NUMBER: P332974-840

CATALOG NUMBER: SA4XXRDIP-C1020D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 |
| 2.5° | 1657.4 | 1661.2 | 1670.2 | 1680.2 | 1688.6 | 1695.9 | 1701.4 | 1709.3 | 1716.6 | 1726.6 | 1736.1 |
| 5° | 1556.8 | 1566.6 | 1580.5 | 1597.3 | 1618.2 | 1632.2 | 1649.7 | 1665.1 | 1687.4 | 1709.7 | 1731.3 |
| 7.5° | 1468.5 | 1479.4 | 1499.9 | 1523.0 | 1547.9 | 1570.7 | 1591.4 | 1618.5 | 1648.1 | 1680.6 | 1717.0 |
| 10° | 1411.6 | 1423.5 | 1447.9 | 1474.4 | 1503.8 | 1526.1 | 1554.0 | 1586.1 | 1619.6 | 1659.4 | 1704.1 |
| 12.5° | 1360.2 | 1371.5 | 1401.0 | 1428.1 | 1458.5 | 1483.1 | 1515.5 | 1548.1 | 1592.9 | 1636.0 | 1686.8 |
| 15° | 1260.1 | 1290.1 | 1323.6 | 1355.7 | 1392.1 | 1422.1 | 1461.2 | 1494.7 | 1537.3 | 1598.0 | 1656.0 |
| 17.5° | 1148.9 | 1180.9 | 1222.5 | 1272.1 | 1320.8 | 1358.0 | 1397.7 | 1439.3 | 1490.0 | 1552.0 | 1618.8 |
| 20° | 1084.2 | 1110.0 | 1156.1 | 1211.2 | 1267.8 | 1319.5 | 1355.7 | 1401.8 | 1454.2 | 1521.3 | 1590.3 |
| 22.5° | 1035.6 | 1057.5 | 1093.6 | 1148.7 | 1209.7 | 1269.7 | 1316.1 | 1361.6 | 1419.6 | 1486.6 | 1561.9 |
| 25° | 962.7 | 986.4 | 1017.8 | 1055.6 | 1125.4 | 1188.9 | 1249.6 | 1302.0 | 1363.4 | 1430.5 | 1514.2 |
| 27.5° | 902.1 | 922.8 | 951.5 | 990.8 | 1037.7 | 1107.8 | 1181.3 | 1241.1 | 1304.1 | 1376.0 | 1460.0 |
| 30° | 866.4 | 883.1 | 906.9 | 946.6 | 991.4 | 1054.2 | 1128.8 | 1198.7 | 1262.2 | 1336.9 | 1424.2 |
| 32.5° | 829.0 | 846.9 | 870.0 | 901.4 | 949.5 | 1002.2 | 1076.9 | 1153.5 | 1220.9 | 1297.3 | 1382.8 |
| 35° | 779.1 | 793.0 | 814.1 | 846.2 | 889.4 | 935.4 | 1001.8 | 1080.7 | 1152.0 | 1233.6 | 1315.2 |
| 37.5° | 728.7 | 745.2 | 761.6 | 790.3 | 825.8 | 875.4 | 929.6 | 1010.2 | 1089.0 | 1163.7 | 1243.3 |
| 40° | 700.2 | 710.0 | 728.1 | 751.1 | 788.9 | 832.8 | 883.8 | 962.7 | 1041.6 | 1115.6 | 1195.9 |
| 42.5° | 668.4 | 679.2 | 694.6 | 717.7 | 751.4 | 794.4 | 844.1 | 912.4 | 994.7 | 1066.4 | 1139.4 |
| 45° | 624.1 | 630.4 | 645.8 | 665.3 | 693.3 | 736.5 | 782.6 | 843.3 | 920.8 | 989.3 | 1053.5 |
| 47.5° | 579.5 | 584.9 | 594.5 | 612.4 | 643.7 | 678.4 | 721.5 | 776.1 | 844.0 | 912.4 | 966.7 |
| 50° | 548.8 | 553.6 | 562.7 | 579.5 | 607.3 | 641.6 | 684.2 | 733.1 | 793.8 | 859.4 | 904.7 |
| 52.5° | 518.0 | 520.7 | 529.2 | 548.2 | 571.6 | 605.3 | 643.4 | 688.3 | 745.2 | 799.6 | 845.6 |
| 55° | 469.2 | 475.4 | 481.0 | 494.9 | 517.4 | 549.5 | 583.6 | 626.2 | 670.2 | 716.3 | 755.4 |
| 57.5° | 418.2 | 425.1 | 433.1 | 445.5 | 463.1 | 493.0 | 523.7 | 558.3 | 595.8 | 634.0 | 666.8 |
| 60° | 384.7 | 390.9 | 397.9 | 411.9 | 428.0 | 451.7 | 485.2 | 515.2 | 543.8 | 578.8 | 611.6 |
| 62.5° | 351.7 | 358.0 | 366.1 | 377.3 | 392.7 | 415.4 | 443.3 | 469.4 | 499.2 | 529.6 | 554.0 |
| 65° | 303.0 | 307.9 | 314.2 | 324.7 | 339.3 | 359.5 | 382.5 | 402.8 | 429.4 | 451.7 | 474.0 |
| 67.5° | 249.5 | 258.8 | 267.1 | 275.6 | 288.0 | 306.9 | 323.6 | 343.0 | 360.9 | 377.6 | 397.9 |
| 70° | 214.3 | 224.8 | 232.5 | 241.6 | 253.4 | 269.4 | 285.5 | 298.8 | 313.5 | 329.5 | 347.7 |
| 72.5° | 184.7 | 193.0 | 198.9 | 208.6 | 219.3 | 234.3 | 249.2 | 260.2 | 272.2 | 283.2 | 300.7 |
| 75° | 145.9 | 149.4 | 153.6 | 161.3 | 171.1 | 182.2 | 194.1 | 203.9 | 210.9 | 220.7 | 233.2 |
| 77.5° | 104.8 | 111.6 | 114.3 | 119.8 | 126.7 | 133.8 | 141.6 | 149.9 | 156.5 | 160.0 | 169.7 |
| 80° | 80.3 | 83.1 | 85.8 | 93.5 | 97.8 | 104.7 | 110.3 | 118.0 | 120.8 | 124.3 | 133.3 |
| 82.5° | 62.4 | 64.1 | 65.7 | 67.9 | 70.4 | 77.4 | 82.9 | 87.9 | 90.6 | 91.9 | 98.8 |
| 85° | 36.3 | 37.0 | 37.7 | 38.4 | 39.1 | 39.1 | 41.9 | 45.3 | 50.3 | 50.3 | 52.3 |
| 87.5° | 17.0 | 17.3 | 17.0 | 16.0 | 16.8 | 16.4 | 16.6 | 16.1 | 17.3 | 18.4 | 19.6 |
| 90° | 23.5 | 22.2 | 20.4 | 18.6 | 16.8 | 15.0 | 12.9 | 10.4 | 8.0 | 5.5 | 3.0 |
| 92.5° | 40.7 | 39.9 | 38.7 | 37.4 | 36.2 | 34.9 | 32.8 | 30.0 | 27.2 | 24.4 | 21.6 |
| 95° | 77.3 | 76.6 | 75.0 | 73.5 | 71.9 | 70.3 | 68.6 | 66.6 | 64.5 | 62.5 | 60.5 |
| 97.5° | 122.0 | 121.2 | 119.4 | 117.4 | 115.6 | 113.8 | 112.1 | 110.5 | 108.9 | 107.2 | 105.6 |
| 100° | 154.7 | 154.2 | 152.2 | 150.2 | 148.1 | 146.1 | 144.7 | 143.8 | 142.9 | 142.0 | 141.1 |
| 102.5° | 188.7 | 188.1 | 186.2 | 184.4 | 182.6 | 180.8 | 179.7 | 179.3 | 178.9 | 178.5 | 178.2 |
| 105° | 240.5 | 239.9 | 239.0 | 238.1 | 237.2 | 236.3 | 235.8 | 235.5 | 235.3 | 235.1 | 234.9 |
| 107.5° | 296.8 | 296.2 | 296.0 | 295.9 | 295.8 | 295.6 | 295.4 | 295.2 | 294.9 | 294.6 | 294.4 |
| 110° | 335.2 | 335.7 | 335.9 | 336.1 | 336.3 | 336.6 | 336.5 | 336.0 | 335.6 | 335.1 | 334.7 |



TEST NUMBER: P332974-840

CATALOG NUMBER: SA4XXRDIP-C1020D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 375.1 | 375.2 | 375.6 | 376.0 | 376.4 | 376.8 | 377.0 | 376.9 | 376.8 | 376.7 | 376.6 |
| 115° | 437.3 | 437.5 | 437.9 | 438.4 | 438.8 | 439.3 | 439.5 | 439.5 | 439.5 | 439.5 | 439.5 |
| 117.5° | 497.4 | 498.2 | 498.5 | 498.8 | 499.1 | 499.4 | 499.5 | 499.3 | 499.1 | 499.0 | 498.8 |
| 120° | 538.2 | 539.3 | 540.0 | 540.6 | 541.3 | 542.0 | 541.9 | 541.0 | 540.1 | 539.2 | 538.3 |
| 122.5° | 578.9 | 579.6 | 579.9 | 580.2 | 580.6 | 580.9 | 580.8 | 580.5 | 580.1 | 579.8 | 579.4 |
| 125° | 638.6 | 639.0 | 639.2 | 639.5 | 639.7 | 640.0 | 640.1 | 640.1 | 640.1 | 640.1 | 640.1 |
| 127.5° | 696.1 | 696.5 | 696.9 | 697.2 | 697.6 | 697.9 | 697.8 | 697.1 | 696.4 | 695.8 | 695.1 |
| 130° | 736.4 | 736.8 | 736.8 | 736.8 | 736.8 | 736.8 | 736.5 | 735.8 | 735.2 | 734.5 | 733.8 |
| 132.5° | 774.3 | 774.8 | 774.9 | 775.1 | 775.3 | 775.5 | 775.3 | 774.8 | 774.3 | 773.9 | 773.4 |
| 135° | 831.1 | 831.6 | 831.6 | 831.6 | 831.6 | 831.6 | 830.9 | 829.6 | 828.2 | 826.9 | 825.6 |
| 137.5° | 886.3 | 886.9 | 886.5 | 886.2 | 885.8 | 885.3 | 884.9 | 884.2 | 883.6 | 883.0 | 882.4 |
| 140° | 922.1 | 922.3 | 922.3 | 922.3 | 922.3 | 922.3 | 922.1 | 921.6 | 921.2 | 920.7 | 920.3 |
| 142.5° | 956.1 | 956.1 | 956.3 | 956.5 | 956.7 | 956.8 | 956.7 | 956.3 | 955.8 | 955.4 | 954.9 |
| 145° | 1007.7 | 1007.9 | 1007.7 | 1007.5 | 1007.3 | 1007.0 | 1006.5 | 1005.6 | 1004.7 | 1003.8 | 1002.9 |
| 147.5° | 1054.4 | 1054.6 | 1054.7 | 1054.9 | 1055.1 | 1055.3 | 1054.8 | 1053.8 | 1052.7 | 1051.6 | 1050.6 |
| 150° | 1083.6 | 1083.6 | 1083.6 | 1083.6 | 1083.6 | 1083.6 | 1083.2 | 1082.3 | 1081.4 | 1080.5 | 1079.5 |
| 152.5° | 1110.8 | 1110.1 | 1110.0 | 1109.8 | 1109.6 | 1109.4 | 1109.1 | 1108.6 | 1108.0 | 1107.5 | 1107.0 |
| 155° | 1149.0 | 1148.1 | 1148.3 | 1148.5 | 1148.7 | 1149.0 | 1149.1 | 1149.1 | 1149.1 | 1149.1 | 1149.1 |
| 157.5° | 1183.3 | 1182.6 | 1182.7 | 1182.7 | 1182.7 | 1182.8 | 1183.0 | 1183.4 | 1183.8 | 1184.2 | 1184.6 |
| 160° | 1204.2 | 1203.6 | 1203.8 | 1204.0 | 1204.2 | 1204.5 | 1204.7 | 1204.9 | 1205.1 | 1205.3 | 1205.6 |
| 162.5° | 1222.4 | 1221.2 | 1221.5 | 1221.7 | 1221.9 | 1222.1 | 1222.5 | 1223.1 | 1223.8 | 1224.4 | 1224.9 |
| 165° | 1247.2 | 1245.9 | 1246.3 | 1246.8 | 1247.2 | 1247.7 | 1248.2 | 1248.9 | 1249.6 | 1250.2 | 1250.9 |
| 167.5° | 1268.2 | 1266.9 | 1266.8 | 1266.8 | 1266.7 | 1266.7 | 1267.1 | 1268.1 | 1269.0 | 1269.9 | 1270.9 |
| 170° | 1279.5 | 1278.1 | 1277.9 | 1277.7 | 1277.5 | 1277.2 | 1277.7 | 1278.8 | 1279.9 | 1281.0 | 1282.1 |
| 172.5° | 1287.7 | 1286.2 | 1286.2 | 1286.1 | 1286.1 | 1286.0 | 1286.5 | 1287.4 | 1288.4 | 1289.3 | 1290.2 |
| 175° | 1296.9 | 1295.3 | 1295.5 | 1295.7 | 1296.0 | 1296.2 | 1296.9 | 1298.0 | 1299.1 | 1300.2 | 1301.3 |
| 177.5° | 1302.1 | 1300.9 | 1300.9 | 1300.9 | 1300.9 | 1300.9 | 1301.3 | 1302.2 | 1303.1 | 1304.0 | 1304.9 |
| 180° | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 |



TEST NUMBER: P332974-840
 CATALOG NUMBER: SA4XXRDIP-C1020D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 |
| 2.5° | 1743.3 | 1748.4 | 1753.9 | 1764.5 | 1773.5 | 1777.5 | 1785.2 | 1790.8 | 1789.2 | 1797.0 | 1810.4 |
| 5° | 1750.2 | 1769.1 | 1790.7 | 1813.0 | 1838.2 | 1859.1 | 1875.8 | 1892.6 | 1905.9 | 1922.0 | 1945.7 |
| 7.5° | 1749.1 | 1782.6 | 1819.1 | 1859.1 | 1900.3 | 1935.9 | 1968.8 | 2002.4 | 2032.1 | 2064.7 | 2107.2 |
| 10° | 1744.6 | 1789.3 | 1834.6 | 1887.0 | 1939.3 | 1988.9 | 2033.7 | 2075.5 | 2115.4 | 2157.9 | 2211.7 |
| 12.5° | 1739.6 | 1791.0 | 1845.8 | 1908.8 | 1974.0 | 2033.7 | 2086.2 | 2146.5 | 2196.3 | 2251.2 | 2313.3 |
| 15° | 1717.4 | 1786.5 | 1861.2 | 1942.9 | 2021.0 | 2101.3 | 2173.2 | 2247.3 | 2316.3 | 2382.0 | 2460.2 |
| 17.5° | 1691.9 | 1771.7 | 1859.8 | 1956.3 | 2050.2 | 2147.9 | 2233.1 | 2326.4 | 2397.1 | 2485.2 | 2557.8 |
| 20° | 1671.3 | 1757.2 | 1851.4 | 1959.6 | 2066.5 | 2174.6 | 2268.9 | 2363.9 | 2443.5 | 2532.1 | 2624.2 |
| 22.5° | 1646.2 | 1740.4 | 1842.5 | 1954.6 | 2066.5 | 2184.7 | 2289.0 | 2383.4 | 2481.9 | 2581.8 | 2676.7 |
| 25° | 1605.7 | 1703.4 | 1811.6 | 1934.5 | 2063.0 | 2183.7 | 2295.4 | 2412.7 | 2518.8 | 2627.1 | 2712.2 |
| 27.5° | 1556.0 | 1658.6 | 1772.7 | 1899.5 | 2031.2 | 2155.0 | 2286.5 | 2411.5 | 2518.3 | 2622.4 | 2696.7 |
| 30° | 1516.3 | 1624.6 | 1734.1 | 1862.6 | 1999.4 | 2132.0 | 2273.1 | 2398.0 | 2510.4 | 2604.0 | 2645.8 |
| 32.5° | 1475.5 | 1578.2 | 1691.1 | 1821.3 | 1961.5 | 2104.2 | 2244.0 | 2371.8 | 2475.8 | 2531.9 | 2533.0 |
| 35° | 1404.6 | 1501.0 | 1618.2 | 1746.1 | 1889.9 | 2044.8 | 2186.6 | 2312.2 | 2375.7 | 2380.6 | 2312.2 |
| 37.5° | 1327.3 | 1415.6 | 1526.4 | 1654.3 | 1811.8 | 1965.9 | 2110.7 | 2194.4 | 2215.7 | 2144.7 | 2018.1 |
| 40° | 1272.0 | 1353.6 | 1460.5 | 1591.7 | 1748.1 | 1907.2 | 2039.2 | 2100.6 | 2078.3 | 1963.1 | 1822.1 |
| 42.5° | 1213.9 | 1290.0 | 1392.9 | 1522.5 | 1679.4 | 1840.3 | 1952.7 | 1985.6 | 1926.4 | 1793.3 | 1628.3 |
| 45° | 1119.1 | 1188.9 | 1290.8 | 1421.4 | 1572.2 | 1722.9 | 1808.2 | 1791.4 | 1692.9 | 1535.2 | 1350.2 |
| 47.5° | 1020.4 | 1087.8 | 1179.5 | 1300.3 | 1454.7 | 1584.9 | 1642.5 | 1592.1 | 1452.0 | 1278.4 | 1127.9 |
| 50° | 955.0 | 1024.1 | 1108.6 | 1223.9 | 1364.8 | 1490.5 | 1527.5 | 1450.7 | 1295.1 | 1128.1 | 990.0 |
| 52.5° | 890.8 | 949.9 | 1032.7 | 1144.0 | 1278.8 | 1384.9 | 1404.6 | 1316.1 | 1155.4 | 1005.8 | 883.2 |
| 55° | 793.0 | 846.9 | 916.7 | 1021.4 | 1137.9 | 1228.0 | 1217.5 | 1103.8 | 957.9 | 830.1 | 733.8 |
| 57.5° | 698.5 | 739.0 | 803.5 | 901.7 | 1004.0 | 1064.5 | 1026.2 | 929.2 | 793.2 | 688.6 | 607.3 |
| 60° | 636.0 | 673.7 | 733.8 | 819.6 | 909.7 | 943.8 | 911.7 | 806.4 | 698.8 | 603.2 | 534.7 |
| 62.5° | 576.8 | 610.1 | 661.7 | 741.4 | 814.2 | 834.4 | 800.0 | 708.0 | 611.2 | 529.5 | 472.8 |
| 65° | 490.8 | 521.5 | 565.5 | 622.1 | 672.3 | 682.1 | 659.7 | 565.5 | 492.2 | 423.7 | 384.7 |
| 67.5° | 412.7 | 432.8 | 467.2 | 516.0 | 542.7 | 548.5 | 505.3 | 446.1 | 381.4 | 339.4 | 309.9 |
| 70° | 360.2 | 374.2 | 406.3 | 432.8 | 454.4 | 455.1 | 415.4 | 367.9 | 318.3 | 284.2 | 262.5 |
| 72.5° | 309.4 | 322.9 | 347.1 | 365.3 | 381.8 | 376.5 | 340.0 | 302.6 | 262.5 | 236.7 | 220.7 |
| 75° | 238.7 | 250.6 | 263.2 | 271.6 | 271.6 | 264.6 | 238.0 | 210.2 | 187.1 | 171.8 | 166.8 |
| 77.5° | 173.6 | 183.3 | 187.5 | 186.2 | 183.8 | 172.9 | 156.1 | 137.8 | 129.6 | 122.3 | 118.7 |
| 80° | 136.1 | 140.4 | 141.7 | 138.3 | 134.0 | 121.5 | 110.3 | 102.6 | 94.9 | 92.2 | 90.8 |
| 82.5° | 101.0 | 104.6 | 101.0 | 101.9 | 92.7 | 82.4 | 76.2 | 73.6 | 70.4 | 69.3 | 67.9 |
| 85° | 53.7 | 53.0 | 51.7 | 48.2 | 41.9 | 40.5 | 39.8 | 39.1 | 37.7 | 38.4 | 37.0 |
| 87.5° | 19.5 | 18.4 | 16.6 | 16.6 | 17.0 | 16.2 | 17.2 | 17.5 | 17.9 | 17.6 | 19.0 |
| 90° | 5.5 | 8.0 | 10.4 | 12.9 | 15.0 | 16.8 | 18.6 | 20.4 | 22.2 | 23.5 | 24.8 |
| 92.5° | 24.4 | 27.2 | 30.0 | 32.8 | 34.9 | 36.2 | 37.4 | 38.7 | 39.9 | 40.7 | 41.5 |
| 95° | 62.5 | 64.5 | 66.6 | 68.6 | 70.3 | 71.9 | 73.5 | 75.0 | 76.6 | 77.3 | 78.0 |
| 97.5° | 107.2 | 108.9 | 110.5 | 112.1 | 113.8 | 115.6 | 117.4 | 119.4 | 121.2 | 122.0 | 122.8 |
| 100° | 142.0 | 142.9 | 143.8 | 144.7 | 146.1 | 148.1 | 150.2 | 152.2 | 154.2 | 154.7 | 155.1 |
| 102.5° | 178.5 | 178.9 | 179.3 | 179.7 | 180.8 | 182.6 | 184.4 | 186.2 | 188.1 | 188.7 | 189.3 |
| 105° | 235.1 | 235.3 | 235.5 | 235.8 | 236.3 | 237.2 | 238.1 | 239.0 | 239.9 | 240.5 | 241.3 |
| 107.5° | 294.6 | 294.9 | 295.2 | 295.4 | 295.6 | 295.8 | 295.9 | 296.0 | 296.2 | 296.8 | 297.4 |
| 110° | 335.1 | 335.6 | 336.0 | 336.5 | 336.6 | 336.3 | 336.1 | 335.9 | 335.7 | 335.2 | 334.8 |



TEST NUMBER: P332974-840

CATALOG NUMBER: SA4XXRDIP-C1020D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 376.7 | 376.8 | 376.9 | 377.0 | 376.8 | 376.4 | 376.0 | 375.6 | 375.2 | 375.1 | 375.0 |
| 115° | 439.5 | 439.5 | 439.5 | 439.5 | 439.3 | 438.8 | 438.4 | 437.9 | 437.5 | 437.3 | 437.0 |
| 117.5° | 499.0 | 499.1 | 499.3 | 499.5 | 499.4 | 499.1 | 498.8 | 498.5 | 498.2 | 497.4 | 496.7 |
| 120° | 539.2 | 540.1 | 541.0 | 541.9 | 542.0 | 541.3 | 540.6 | 540.0 | 539.3 | 538.2 | 537.0 |
| 122.5° | 579.8 | 580.1 | 580.5 | 580.8 | 580.9 | 580.6 | 580.2 | 579.9 | 579.6 | 578.9 | 578.0 |
| 125° | 640.1 | 640.1 | 640.1 | 640.1 | 640.0 | 639.7 | 639.5 | 639.2 | 639.0 | 638.6 | 638.1 |
| 127.5° | 695.8 | 696.4 | 697.1 | 697.8 | 697.9 | 697.6 | 697.2 | 696.9 | 696.5 | 696.1 | 695.6 |
| 130° | 734.5 | 735.2 | 735.8 | 736.5 | 736.8 | 736.8 | 736.8 | 736.8 | 736.8 | 736.4 | 736.0 |
| 132.5° | 773.9 | 774.3 | 774.8 | 775.3 | 775.5 | 775.3 | 775.1 | 774.9 | 774.8 | 774.3 | 773.9 |
| 135° | 826.9 | 828.2 | 829.6 | 830.9 | 831.6 | 831.6 | 831.6 | 831.6 | 831.6 | 831.1 | 830.7 |
| 137.5° | 883.0 | 883.6 | 884.2 | 884.9 | 885.3 | 885.8 | 886.2 | 886.5 | 886.9 | 886.3 | 885.7 |
| 140° | 920.7 | 921.2 | 921.6 | 922.1 | 922.3 | 922.3 | 922.3 | 922.3 | 922.3 | 922.1 | 921.9 |
| 142.5° | 955.4 | 955.8 | 956.3 | 956.7 | 956.8 | 956.7 | 956.5 | 956.3 | 956.1 | 956.1 | 956.0 |
| 145° | 1003.8 | 1004.7 | 1005.6 | 1006.5 | 1007.0 | 1007.3 | 1007.5 | 1007.7 | 1007.9 | 1007.7 | 1007.5 |
| 147.5° | 1051.6 | 1052.7 | 1053.8 | 1054.8 | 1055.3 | 1055.1 | 1054.9 | 1054.7 | 1054.6 | 1054.4 | 1054.2 |
| 150° | 1080.5 | 1081.4 | 1082.3 | 1083.2 | 1083.6 | 1083.6 | 1083.6 | 1083.6 | 1083.6 | 1083.6 | 1083.6 |
| 152.5° | 1107.5 | 1108.0 | 1108.6 | 1109.1 | 1109.4 | 1109.6 | 1109.8 | 1110.0 | 1110.1 | 1110.8 | 1111.3 |
| 155° | 1149.1 | 1149.1 | 1149.1 | 1149.1 | 1149.0 | 1148.7 | 1148.5 | 1148.3 | 1148.1 | 1149.0 | 1149.9 |
| 157.5° | 1184.2 | 1183.8 | 1183.4 | 1183.0 | 1182.8 | 1182.7 | 1182.7 | 1182.7 | 1182.6 | 1183.3 | 1183.9 |
| 160° | 1205.3 | 1205.1 | 1204.9 | 1204.7 | 1204.5 | 1204.2 | 1204.0 | 1203.8 | 1203.6 | 1204.2 | 1204.9 |
| 162.5° | 1224.4 | 1223.8 | 1223.1 | 1222.5 | 1222.1 | 1221.9 | 1221.7 | 1221.5 | 1221.2 | 1222.4 | 1223.7 |
| 165° | 1250.2 | 1249.6 | 1248.9 | 1248.2 | 1247.7 | 1247.2 | 1246.8 | 1246.3 | 1245.9 | 1247.2 | 1248.6 |
| 167.5° | 1269.9 | 1269.0 | 1268.1 | 1267.1 | 1266.7 | 1266.7 | 1266.8 | 1266.8 | 1266.9 | 1268.2 | 1269.5 |
| 170° | 1281.0 | 1279.9 | 1278.8 | 1277.7 | 1277.2 | 1277.5 | 1277.7 | 1277.9 | 1278.1 | 1279.5 | 1280.8 |
| 172.5° | 1289.3 | 1288.4 | 1287.4 | 1286.5 | 1286.0 | 1286.1 | 1286.1 | 1286.2 | 1286.2 | 1287.7 | 1289.2 |
| 175° | 1300.2 | 1299.1 | 1298.0 | 1296.9 | 1296.2 | 1296.0 | 1295.7 | 1295.5 | 1295.3 | 1296.9 | 1298.4 |
| 177.5° | 1304.0 | 1303.1 | 1302.2 | 1301.3 | 1300.9 | 1300.9 | 1300.9 | 1300.9 | 1300.9 | 1302.1 | 1303.4 |
| 180° | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 |



TEST NUMBER: P332974-840

CATALOG NUMBER: SA4XXRDIP-C1020D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 | 1732.7 |
| 2.5° | 1817.7 | 1819.9 | 1821.6 | 1827.1 | 1827.7 | 1832.7 | 1827.7 |
| 5° | 1968.0 | 1977.8 | 1993.2 | 2008.5 | 2009.9 | 2019.6 | 2002.3 |
| 7.5° | 2136.7 | 2159.3 | 2173.4 | 2198.3 | 2208.1 | 2214.1 | 2204.1 |
| 10° | 2252.8 | 2273.8 | 2310.8 | 2329.0 | 2347.1 | 2349.9 | 2341.5 |
| 12.5° | 2365.1 | 2398.3 | 2427.5 | 2461.8 | 2461.0 | 2485.6 | 2476.7 |
| 15° | 2514.7 | 2548.9 | 2589.3 | 2627.8 | 2641.7 | 2641.7 | 2652.9 |
| 17.5° | 2621.3 | 2684.0 | 2725.9 | 2756.0 | 2789.0 | 2794.7 | 2790.9 |
| 20° | 2693.4 | 2761.1 | 2805.8 | 2844.9 | 2867.2 | 2873.5 | 2873.5 |
| 22.5° | 2746.9 | 2804.6 | 2848.2 | 2883.4 | 2901.8 | 2909.2 | 2907.0 |
| 25° | 2784.1 | 2833.7 | 2860.2 | 2870.6 | 2875.6 | 2874.2 | 2860.9 |
| 27.5° | 2733.3 | 2731.1 | 2714.3 | 2682.2 | 2658.1 | 2643.4 | 2626.7 |
| 30° | 2636.2 | 2599.8 | 2557.9 | 2511.8 | 2452.6 | 2407.1 | 2393.2 |
| 32.5° | 2491.4 | 2409.9 | 2338.9 | 2262.2 | 2198.4 | 2153.0 | 2134.0 |
| 35° | 2211.7 | 2082.5 | 1977.1 | 1884.9 | 1818.0 | 1776.0 | 1762.1 |
| 37.5° | 1879.7 | 1754.6 | 1624.2 | 1534.8 | 1479.1 | 1436.8 | 1421.1 |
| 40° | 1668.5 | 1532.4 | 1418.6 | 1334.8 | 1277.6 | 1236.4 | 1235.7 |
| 42.5° | 1475.8 | 1345.8 | 1238.8 | 1178.4 | 1116.7 | 1089.4 | 1089.3 |
| 45° | 1208.4 | 1104.4 | 1013.7 | 966.2 | 929.2 | 906.9 | 900.6 |
| 47.5° | 1000.6 | 914.5 | 854.0 | 816.3 | 786.1 | 771.8 | 762.7 |
| 50° | 883.8 | 808.4 | 760.2 | 727.4 | 710.6 | 692.6 | 691.2 |
| 52.5° | 786.7 | 725.8 | 688.2 | 661.6 | 640.4 | 629.4 | 629.8 |
| 55° | 661.2 | 613.0 | 586.4 | 566.1 | 549.5 | 541.1 | 537.6 |
| 57.5° | 556.9 | 520.8 | 501.5 | 482.9 | 475.8 | 469.3 | 467.5 |
| 60° | 492.2 | 467.8 | 449.6 | 434.9 | 424.4 | 422.3 | 421.6 |
| 62.5° | 438.6 | 413.0 | 400.4 | 389.1 | 381.4 | 378.2 | 377.0 |
| 65° | 361.6 | 342.7 | 331.6 | 322.6 | 319.7 | 314.9 | 314.2 |
| 67.5° | 291.5 | 280.2 | 272.9 | 266.5 | 262.8 | 262.5 | 262.5 |
| 70° | 248.5 | 242.3 | 236.0 | 232.5 | 230.4 | 228.9 | 228.9 |
| 72.5° | 211.7 | 207.0 | 201.9 | 200.1 | 199.7 | 198.2 | 197.7 |
| 75° | 161.3 | 156.4 | 157.0 | 153.6 | 150.8 | 147.3 | 145.2 |
| 77.5° | 114.3 | 110.9 | 110.2 | 109.8 | 107.3 | 106.9 | 108.1 |
| 80° | 88.7 | 85.1 | 84.4 | 85.1 | 84.4 | 82.4 | 82.4 |
| 82.5° | 67.5 | 64.5 | 63.8 | 63.4 | 62.7 | 63.4 | 62.3 |
| 85° | 36.3 | 34.9 | 34.9 | 34.9 | 36.3 | 35.6 | 34.9 |
| 87.5° | 18.1 | 17.8 | 18.6 | 18.1 | 18.2 | 17.7 | 18.4 |
| 90° | 26.3 | 27.6 | 28.5 | 28.9 | 29.4 | 29.8 | 30.2 |
| 92.5° | 42.3 | 43.1 | 43.7 | 43.9 | 44.2 | 44.5 | 44.7 |
| 95° | 78.7 | 79.3 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| 97.5° | 123.6 | 124.4 | 124.8 | 124.8 | 124.8 | 124.8 | 124.8 |
| 100° | 155.5 | 156.0 | 156.2 | 156.2 | 156.2 | 156.2 | 156.2 |
| 102.5° | 190.0 | 190.6 | 191.0 | 191.2 | 191.4 | 191.6 | 191.7 |
| 105° | 242.0 | 242.6 | 243.3 | 243.9 | 244.6 | 245.3 | 245.9 |
| 107.5° | 298.0 | 298.6 | 298.9 | 298.9 | 298.8 | 298.8 | 298.7 |
| 110° | 334.3 | 333.9 | 334.0 | 334.7 | 335.3 | 336.0 | 336.7 |



TEST NUMBER: P332974-840

CATALOG NUMBER: SA4XXRDIP-C1020D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 374.9 | 374.9 | 374.9 | 375.0 | 375.1 | 375.3 | 375.4 |
| 115° | 436.8 | 436.6 | 436.4 | 436.2 | 435.9 | 435.7 | 435.5 |
| 117.5° | 495.8 | 495.1 | 494.5 | 494.0 | 493.6 | 493.1 | 492.7 |
| 120° | 535.9 | 534.8 | 534.4 | 534.9 | 535.3 | 535.8 | 536.2 |
| 122.5° | 577.3 | 576.5 | 575.7 | 574.9 | 574.1 | 573.3 | 572.5 |
| 125° | 637.7 | 637.2 | 636.8 | 636.4 | 635.9 | 635.5 | 635.0 |
| 127.5° | 695.2 | 694.7 | 694.3 | 694.0 | 693.6 | 693.3 | 692.9 |
| 130° | 735.5 | 735.1 | 734.4 | 733.5 | 732.6 | 731.6 | 730.7 |
| 132.5° | 773.4 | 773.0 | 772.5 | 772.1 | 771.8 | 771.4 | 771.1 |
| 135° | 830.2 | 829.8 | 829.2 | 828.6 | 827.9 | 827.2 | 826.6 |
| 137.5° | 885.0 | 884.5 | 884.2 | 884.4 | 884.5 | 884.6 | 884.8 |
| 140° | 921.6 | 921.4 | 921.2 | 921.0 | 920.7 | 920.5 | 920.3 |
| 142.5° | 956.0 | 956.0 | 955.9 | 955.9 | 955.8 | 955.8 | 955.7 |
| 145° | 1007.3 | 1007.0 | 1006.6 | 1005.9 | 1005.3 | 1004.6 | 1003.9 |
| 147.5° | 1054.0 | 1053.8 | 1053.6 | 1053.4 | 1053.2 | 1053.0 | 1052.8 |
| 150° | 1083.6 | 1083.6 | 1083.5 | 1083.3 | 1083.0 | 1082.8 | 1082.6 |
| 152.5° | 1111.8 | 1112.4 | 1112.4 | 1111.8 | 1111.2 | 1110.5 | 1109.9 |
| 155° | 1150.7 | 1151.7 | 1151.7 | 1150.7 | 1149.9 | 1149.0 | 1148.1 |
| 157.5° | 1184.6 | 1185.3 | 1185.2 | 1184.5 | 1183.7 | 1183.0 | 1182.1 |
| 160° | 1205.6 | 1206.2 | 1206.0 | 1204.9 | 1203.8 | 1202.6 | 1201.5 |
| 162.5° | 1224.9 | 1226.1 | 1226.2 | 1225.1 | 1224.0 | 1222.8 | 1221.6 |
| 165° | 1249.9 | 1251.2 | 1251.4 | 1250.6 | 1249.7 | 1248.8 | 1247.9 |
| 167.5° | 1270.9 | 1272.2 | 1272.2 | 1270.8 | 1269.4 | 1268.0 | 1266.7 |
| 170° | 1282.1 | 1283.5 | 1283.3 | 1281.8 | 1280.2 | 1278.7 | 1277.1 |
| 172.5° | 1290.7 | 1292.3 | 1292.2 | 1290.7 | 1289.1 | 1287.6 | 1286.0 |
| 175° | 1300.0 | 1301.5 | 1301.5 | 1300.0 | 1298.4 | 1296.9 | 1295.3 |
| 177.5° | 1304.6 | 1306.0 | 1305.9 | 1304.4 | 1302.9 | 1301.5 | 1300.1 |
| 180° | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 | 1303.3 |

(END OF REPORT)