

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: P332973

Luminaire Tested: **SA4XXRDIP-C1020D1035U835-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332973
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXRDIP-C1020D1035U835-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1020 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1035 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8469.6 lumens
Efficiency: N/A
Efficacy: 140.0 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

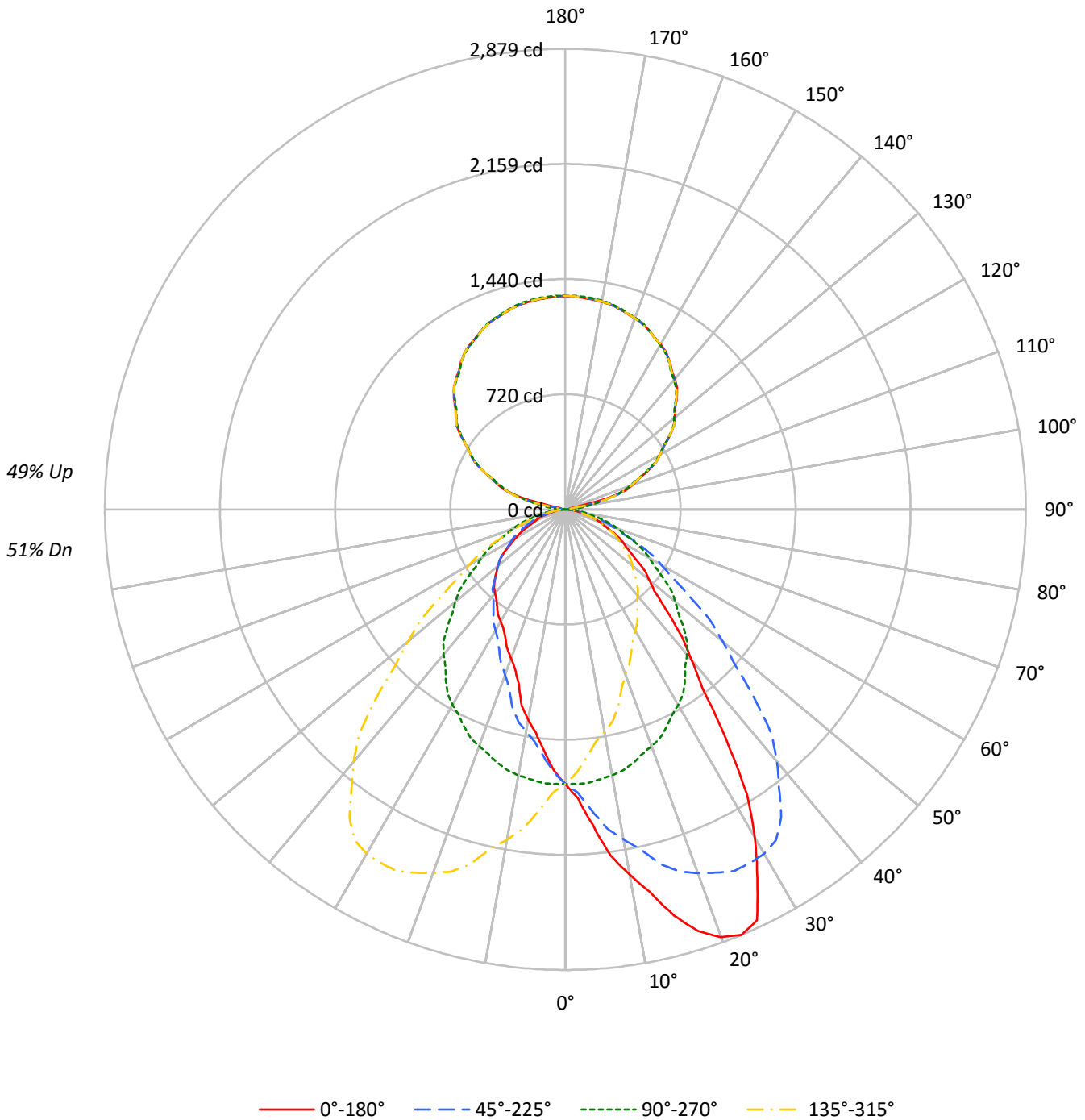
Input Watts (W): 60.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332973

CATALOG NUMBER: SA4XXRDIP-C1020D1035U835-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P332973

CATALOG NUMBER: SA4XXRDIP-C1020D1035U835-4F0-1E-UDD-A

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 70 | 70 | 70 | 57 | 57 | 57 | 51 |
| 1 | 99 | 94 | 91 | 87 | 91 | 87 | 84 | 81 | 74 | 72 | 70 | 62 | 61 | 59 | 51 | 50 | 49 | 44 |
| 2 | 90 | 83 | 77 | 72 | 83 | 77 | 72 | 68 | 66 | 62 | 59 | 55 | 53 | 50 | 46 | 44 | 42 | 38 |
| 3 | 82 | 73 | 66 | 61 | 76 | 68 | 62 | 57 | 58 | 54 | 50 | 49 | 46 | 43 | 41 | 39 | 36 | 32 |
| 4 | 76 | 65 | 57 | 52 | 70 | 61 | 54 | 49 | 52 | 47 | 43 | 44 | 40 | 37 | 37 | 34 | 32 | 28 |
| 5 | 70 | 58 | 50 | 44 | 64 | 54 | 47 | 42 | 47 | 41 | 37 | 40 | 36 | 33 | 33 | 30 | 28 | 25 |
| 6 | 64 | 52 | 44 | 39 | 59 | 49 | 42 | 37 | 42 | 37 | 33 | 36 | 32 | 29 | 30 | 27 | 25 | 22 |
| 7 | 59 | 47 | 40 | 34 | 55 | 44 | 37 | 32 | 38 | 33 | 29 | 33 | 29 | 25 | 28 | 25 | 22 | 20 |
| 8 | 55 | 43 | 35 | 30 | 51 | 40 | 34 | 29 | 35 | 30 | 26 | 30 | 26 | 23 | 26 | 22 | 20 | 18 |
| 9 | 51 | 39 | 32 | 27 | 48 | 37 | 30 | 26 | 32 | 27 | 23 | 28 | 24 | 21 | 24 | 20 | 18 | 16 |
| 10 | 48 | 36 | 29 | 24 | 45 | 34 | 28 | 23 | 30 | 25 | 21 | 26 | 22 | 19 | 22 | 19 | 16 | 14 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 13852 | 13852 | 13852 | 13852 |
| 5° | 16067 | 13893 | 12280 | 13893 |
| 10° | 19007 | 13833 | 10960 | 13833 |
| 15° | 21956 | 13705 | 9417 | 13705 |
| 20° | 24445 | 13529 | 8516 | 13529 |
| 25° | 25235 | 13356 | 7906 | 13356 |
| 30° | 22091 | 13147 | 7539 | 13147 |
| 35° | 17196 | 12835 | 7318 | 12835 |
| 40° | 12895 | 12480 | 7198 | 12480 |
| 45° | 10182 | 11910 | 7134 | 11910 |
| 50° | 8596 | 11252 | 6929 | 11252 |
| 55° | 7492 | 10528 | 6557 | 10528 |
| 60° | 6741 | 9778 | 5804 | 9778 |
| 65° | 5943 | 8967 | 4991 | 8967 |
| 70° | 5351 | 8127 | 4504 | 8127 |
| 75° | 4485 | 7202 | 3840 | 7202 |
| 80° | 3794 | 6137 | 3598 | 6137 |
| 85° | 3205 | 4798 | 3205 | 4798 |



TEST NUMBER: P332973

CATALOG NUMBER: SA4XXRDIP-C1020D1035U835-4F0-1E-UDD-A

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 166.3 | 2.0 |
| 10°-20° | 501.5 | 5.9 |
| 20°-30° | 784.4 | 9.3 |
| 30°-40° | 872.0 | 10.3 |
| 40°-50° | 773.6 | 9.1 |
| 50°-60° | 602.8 | 7.1 |
| 60°-70° | 394.7 | 4.7 |
| 70°-80° | 194.1 | 2.3 |
| 80°-90° | 51.8 | 0.6 |
| 90°-100° | 45.7 | 0.5 |
| 100°-110° | 291.1 | 3.4 |
| 110°-120° | 556.8 | 6.6 |
| 120°-130° | 706.8 | 8.3 |
| 130°-140° | 756.2 | 8.9 |
| 140°-150° | 707.2 | 8.3 |
| 150°-160° | 570.3 | 6.7 |
| 160°-170° | 367.8 | 4.3 |
| 170°-180° | 126.8 | 1.5 |
| 0°-30° | 1452.1 | 17.1 |
| 0°-40° | 2324.1 | 27.4 |
| 0°-60° | 3700.5 | 43.7 |
| 0°-90° | 4341.0 | 51.3 |
| 90°-120° | 893.5 | 10.5 |
| 90°-150° | 3063.7 | 36.2 |
| 90°-180° | 4129.0 | 48.8 |
| 0°-180° | 8469.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1716 | 1716 | 1716 | 1716 | 1716 | |
| 5° | 1983 | 1714 | 1515 | 1714 | 1983 | 201 |
| 15° | 2627 | 1640 | 1127 | 1640 | 2627 | 747 |
| 25° | 2833 | 1499 | 888 | 1499 | 2833 | 1257 |
| 35° | 1745 | 1302 | 742 | 1302 | 1745 | 1094 |
| 45° | 892 | 1043 | 625 | 1043 | 892 | 706 |
| 55° | 532 | 748 | 466 | 748 | 532 | 484 |
| 65° | 311 | 469 | 261 | 469 | 311 | 313 |
| 75° | 144 | 231 | 123 | 231 | 144 | 158 |
| 85° | 35 | 52 | 35 | 52 | 35 | 40 |
| 90° | 30 | 3 | 30 | 3 | 30 | 14 |
| 95° | 29 | 55 | 29 | 55 | 29 | 23 |
| 105° | 284 | 300 | 284 | 300 | 284 | 248 |
| 115° | 565 | 561 | 565 | 561 | 565 | 559 |
| 125° | 795 | 789 | 795 | 789 | 795 | 708 |
| 135° | 985 | 978 | 985 | 978 | 985 | 758 |
| 145° | 1134 | 1128 | 1134 | 1128 | 1134 | 709 |
| 155° | 1236 | 1237 | 1236 | 1237 | 1236 | 570 |
| 165° | 1299 | 1305 | 1299 | 1305 | 1299 | 367 |
| 175° | 1327 | 1335 | 1327 | 1335 | 1327 | 126 |
| 180° | 1335 | 1335 | 1335 | 1335 | 1335 | |



TEST NUMBER: P332973

CATALOG NUMBER: SA4XXRDIP-C1020D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 |
| 2.5° | 1809.8 | 1814.8 | 1809.8 | 1809.3 | 1803.8 | 1802.1 | 1799.9 | 1792.7 | 1779.4 | 1771.7 | 1773.3 |
| 5° | 1982.7 | 1999.9 | 1990.3 | 1988.9 | 1973.7 | 1958.5 | 1948.8 | 1926.7 | 1903.2 | 1887.3 | 1874.1 |
| 7.5° | 2182.6 | 2192.5 | 2186.5 | 2176.8 | 2152.2 | 2138.2 | 2115.8 | 2086.6 | 2044.5 | 2012.2 | 1982.8 |
| 10° | 2318.6 | 2326.9 | 2324.2 | 2306.2 | 2288.2 | 2251.6 | 2230.8 | 2190.1 | 2136.8 | 2094.7 | 2055.2 |
| 12.5° | 2452.5 | 2461.3 | 2437.0 | 2437.8 | 2403.8 | 2374.9 | 2342.0 | 2290.7 | 2229.2 | 2174.8 | 2125.5 |
| 15° | 2627.0 | 2615.9 | 2615.9 | 2602.1 | 2564.0 | 2524.0 | 2490.1 | 2436.2 | 2358.7 | 2293.7 | 2225.3 |
| 17.5° | 2763.6 | 2767.4 | 2761.8 | 2729.1 | 2699.3 | 2657.8 | 2595.7 | 2532.8 | 2460.9 | 2373.7 | 2303.7 |
| 20° | 2845.4 | 2845.4 | 2839.2 | 2817.1 | 2778.4 | 2734.1 | 2667.1 | 2598.6 | 2507.4 | 2419.6 | 2340.8 |
| 22.5° | 2878.6 | 2880.8 | 2873.5 | 2855.2 | 2820.4 | 2777.2 | 2720.1 | 2650.6 | 2556.6 | 2457.7 | 2360.1 |
| 25° | 2833.0 | 2846.1 | 2847.5 | 2842.6 | 2832.3 | 2806.0 | 2756.9 | 2685.7 | 2601.4 | 2494.2 | 2389.1 |
| 27.5° | 2601.0 | 2617.6 | 2632.1 | 2656.0 | 2687.8 | 2704.4 | 2706.6 | 2670.4 | 2596.8 | 2493.7 | 2387.9 |
| 30° | 2369.8 | 2383.6 | 2428.6 | 2487.3 | 2532.9 | 2574.4 | 2610.4 | 2620.0 | 2578.6 | 2485.9 | 2374.6 |
| 32.5° | 2113.2 | 2132.0 | 2176.9 | 2240.1 | 2316.1 | 2386.4 | 2467.1 | 2508.3 | 2507.2 | 2451.6 | 2348.6 |
| 35° | 1744.9 | 1758.7 | 1800.2 | 1866.5 | 1957.8 | 2062.2 | 2190.1 | 2289.6 | 2357.3 | 2352.5 | 2289.6 |
| 37.5° | 1407.2 | 1422.8 | 1464.7 | 1519.8 | 1608.3 | 1737.5 | 1861.3 | 1998.4 | 2123.7 | 2194.1 | 2173.0 |
| 40° | 1223.6 | 1224.3 | 1265.1 | 1321.8 | 1404.7 | 1517.4 | 1652.2 | 1804.3 | 1943.9 | 2058.0 | 2080.1 |
| 42.5° | 1078.7 | 1078.8 | 1105.8 | 1166.9 | 1226.7 | 1332.7 | 1461.4 | 1612.4 | 1775.8 | 1907.6 | 1966.2 |
| 45° | 891.8 | 898.0 | 920.1 | 956.8 | 1003.8 | 1093.6 | 1196.6 | 1337.0 | 1520.2 | 1676.4 | 1773.9 |
| 47.5° | 755.2 | 764.3 | 778.4 | 808.3 | 845.7 | 905.6 | 990.8 | 1116.9 | 1265.9 | 1437.8 | 1576.5 |
| 50° | 684.4 | 685.8 | 703.7 | 720.3 | 752.8 | 800.5 | 875.2 | 980.3 | 1117.1 | 1282.4 | 1436.5 |
| 52.5° | 623.6 | 623.3 | 634.1 | 655.1 | 681.5 | 718.7 | 779.0 | 874.6 | 996.0 | 1144.1 | 1303.2 |
| 55° | 532.3 | 535.8 | 544.1 | 560.6 | 580.7 | 607.0 | 654.7 | 726.6 | 822.0 | 948.5 | 1093.0 |
| 57.5° | 462.9 | 464.7 | 471.2 | 478.2 | 496.6 | 515.7 | 551.5 | 601.4 | 681.9 | 785.5 | 920.1 |
| 60° | 417.5 | 418.2 | 420.3 | 430.7 | 445.2 | 463.2 | 487.4 | 529.5 | 597.3 | 692.0 | 798.5 |
| 62.5° | 373.3 | 374.5 | 377.7 | 385.3 | 396.5 | 409.0 | 434.3 | 468.2 | 524.3 | 605.2 | 701.1 |
| 65° | 311.1 | 311.8 | 316.6 | 319.4 | 328.4 | 339.4 | 358.1 | 380.9 | 419.6 | 487.4 | 560.0 |
| 67.5° | 259.9 | 259.9 | 260.2 | 263.9 | 270.2 | 277.5 | 288.7 | 306.9 | 336.1 | 377.7 | 441.7 |
| 70° | 226.7 | 226.7 | 228.1 | 230.2 | 233.7 | 239.9 | 246.1 | 259.9 | 281.4 | 315.2 | 364.3 |
| 72.5° | 195.8 | 196.3 | 197.7 | 198.1 | 199.9 | 205.0 | 209.6 | 218.5 | 234.4 | 259.9 | 299.6 |
| 75° | 143.8 | 145.9 | 149.3 | 152.1 | 155.5 | 154.9 | 159.7 | 165.2 | 170.1 | 185.3 | 208.1 |
| 77.5° | 107.0 | 105.9 | 106.3 | 108.7 | 109.1 | 109.8 | 113.2 | 117.5 | 121.1 | 128.3 | 136.5 |
| 80° | 81.6 | 81.6 | 83.6 | 84.3 | 83.6 | 84.3 | 87.8 | 89.9 | 91.3 | 94.0 | 101.6 |
| 82.5° | 61.7 | 62.8 | 62.1 | 62.8 | 63.2 | 63.9 | 66.8 | 67.2 | 68.6 | 69.7 | 72.9 |
| 85° | 34.6 | 35.3 | 35.9 | 34.6 | 34.6 | 34.6 | 35.9 | 36.6 | 38.0 | 37.3 | 38.7 |
| 87.5° | 18.2 | 17.5 | 18.0 | 17.9 | 18.4 | 17.6 | 17.9 | 18.8 | 17.4 | 17.7 | 17.3 |
| 90° | 29.9 | 29.5 | 29.1 | 28.6 | 28.2 | 27.3 | 26.0 | 24.6 | 23.3 | 22.0 | 20.2 |
| 92.5° | 27.6 | 27.5 | 27.4 | 27.3 | 27.2 | 26.5 | 25.2 | 23.8 | 22.5 | 21.2 | 19.4 |
| 95° | 28.9 | 28.7 | 28.5 | 28.3 | 28.1 | 27.3 | 26.0 | 24.6 | 23.3 | 22.0 | 21.7 |
| 97.5° | 28.0 | 27.7 | 27.5 | 27.3 | 27.1 | 26.9 | 26.8 | 26.6 | 26.5 | 26.4 | 51.1 |
| 100° | 28.0 | 27.7 | 27.5 | 27.3 | 27.1 | 28.8 | 32.6 | 36.4 | 40.2 | 43.9 | 74.5 |
| 102.5° | 28.8 | 28.7 | 28.7 | 28.6 | 28.6 | 48.9 | 89.6 | 130.3 | 170.9 | 211.6 | 215.6 |
| 105° | 284.5 | 292.5 | 300.5 | 308.5 | 316.5 | 319.4 | 317.4 | 315.5 | 313.5 | 311.5 | 310.4 |
| 107.5° | 396.5 | 395.7 | 394.8 | 394.0 | 393.1 | 392.2 | 391.3 | 390.3 | 389.3 | 388.3 | 386.8 |
| 110° | 445.2 | 444.6 | 443.9 | 443.2 | 442.6 | 442.0 | 441.6 | 441.1 | 440.7 | 440.2 | 438.9 |



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CATALOG NUMBER: SA4XXRDIP-C1020D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 493.9 | 493.1 | 492.3 | 491.4 | 490.6 | 490.2 | 490.3 | 490.4 | 490.5 | 490.5 | 489.9 |
| 115° | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 | 564.8 | 564.4 | 563.9 | 563.5 | 563.0 | 563.2 |
| 117.5° | 637.3 | 637.4 | 637.5 | 637.6 | 637.7 | 637.7 | 637.8 | 637.9 | 638.0 | 638.1 | 637.6 |
| 120° | 682.8 | 683.3 | 683.7 | 684.1 | 684.6 | 684.6 | 684.1 | 683.7 | 683.3 | 682.8 | 683.0 |
| 122.5° | 727.5 | 728.0 | 728.4 | 728.9 | 729.3 | 729.4 | 729.1 | 728.9 | 728.6 | 728.3 | 728.0 |
| 125° | 794.6 | 794.4 | 794.2 | 794.0 | 793.7 | 793.3 | 792.6 | 792.0 | 791.3 | 790.6 | 791.1 |
| 127.5° | 853.5 | 853.7 | 853.9 | 854.1 | 854.2 | 854.4 | 854.5 | 854.7 | 854.8 | 854.9 | 853.9 |
| 130° | 893.5 | 893.5 | 893.5 | 893.5 | 893.5 | 893.3 | 893.1 | 892.9 | 892.7 | 892.5 | 891.8 |
| 132.5° | 930.2 | 930.4 | 930.5 | 930.7 | 930.9 | 930.9 | 930.7 | 930.4 | 930.2 | 930.0 | 929.1 |
| 135° | 985.3 | 984.8 | 984.4 | 984.0 | 983.5 | 983.1 | 982.6 | 982.2 | 981.7 | 981.3 | 980.4 |
| 137.5° | 1032.4 | 1032.5 | 1032.7 | 1032.8 | 1032.9 | 1032.8 | 1032.3 | 1031.8 | 1031.3 | 1030.8 | 1029.8 |
| 140° | 1065.2 | 1064.9 | 1064.7 | 1064.5 | 1064.3 | 1063.8 | 1063.2 | 1062.5 | 1061.8 | 1061.2 | 1060.7 |
| 142.5° | 1092.3 | 1092.3 | 1092.2 | 1092.2 | 1092.1 | 1091.9 | 1091.4 | 1090.9 | 1090.4 | 1089.9 | 1089.6 |
| 145° | 1134.0 | 1133.6 | 1133.1 | 1132.7 | 1132.3 | 1131.9 | 1131.7 | 1131.5 | 1131.3 | 1131.0 | 1131.0 |
| 147.5° | 1168.6 | 1168.4 | 1168.1 | 1167.9 | 1167.7 | 1167.5 | 1167.3 | 1167.1 | 1167.0 | 1166.8 | 1167.0 |
| 150° | 1190.9 | 1190.7 | 1190.5 | 1190.3 | 1190.0 | 1189.9 | 1189.9 | 1189.9 | 1189.9 | 1189.9 | 1190.2 |
| 152.5° | 1210.1 | 1210.2 | 1210.4 | 1210.5 | 1210.6 | 1210.5 | 1210.2 | 1209.8 | 1209.5 | 1209.1 | 1209.5 |
| 155° | 1235.9 | 1236.5 | 1237.2 | 1237.9 | 1238.5 | 1238.4 | 1237.5 | 1236.6 | 1235.7 | 1234.9 | 1235.5 |
| 157.5° | 1257.4 | 1258.6 | 1259.7 | 1260.9 | 1262.0 | 1262.0 | 1260.9 | 1259.7 | 1258.6 | 1257.4 | 1258.2 |
| 160° | 1271.8 | 1273.1 | 1274.5 | 1275.8 | 1277.1 | 1277.1 | 1275.8 | 1274.5 | 1273.1 | 1271.8 | 1272.0 |
| 162.5° | 1283.0 | 1284.5 | 1286.0 | 1287.5 | 1289.0 | 1289.1 | 1287.8 | 1286.4 | 1285.1 | 1283.8 | 1284.0 |
| 165° | 1298.7 | 1300.7 | 1302.7 | 1304.7 | 1306.7 | 1306.8 | 1305.1 | 1303.3 | 1301.5 | 1299.7 | 1299.7 |
| 167.5° | 1310.5 | 1312.7 | 1315.0 | 1317.2 | 1319.4 | 1319.5 | 1317.6 | 1315.6 | 1313.7 | 1311.7 | 1311.9 |
| 170° | 1317.7 | 1319.9 | 1322.2 | 1324.4 | 1326.6 | 1326.8 | 1325.0 | 1323.3 | 1321.5 | 1319.7 | 1319.5 |
| 172.5° | 1321.7 | 1324.1 | 1326.5 | 1328.9 | 1331.3 | 1331.6 | 1329.8 | 1328.1 | 1326.3 | 1324.5 | 1324.3 |
| 175° | 1326.7 | 1329.4 | 1332.0 | 1334.7 | 1337.3 | 1337.7 | 1335.7 | 1333.7 | 1331.7 | 1329.7 | 1329.5 |
| 177.5° | 1329.9 | 1332.0 | 1334.2 | 1336.3 | 1338.4 | 1338.8 | 1337.3 | 1335.9 | 1334.5 | 1333.1 | 1332.7 |
| 180° | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 |



TEST NUMBER: P332973

CATALOG NUMBER: SA4XXRDIP-C1020D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 |
| 2.5° | 1767.8 | 1760.1 | 1756.2 | 1747.3 | 1736.8 | 1731.3 | 1726.3 | 1719.1 | 1709.7 | 1699.8 | 1692.6 |
| 5° | 1857.5 | 1840.9 | 1820.2 | 1795.3 | 1773.2 | 1751.8 | 1733.1 | 1714.4 | 1693.0 | 1670.9 | 1648.8 |
| 7.5° | 1949.6 | 1917.0 | 1881.7 | 1840.9 | 1801.3 | 1765.2 | 1732.0 | 1700.2 | 1664.2 | 1632.0 | 1602.7 |
| 10° | 2013.8 | 1969.5 | 1920.4 | 1868.6 | 1816.7 | 1771.8 | 1727.6 | 1687.5 | 1643.2 | 1603.8 | 1570.6 |
| 12.5° | 2065.8 | 2013.8 | 1954.7 | 1890.2 | 1827.8 | 1773.5 | 1722.6 | 1670.3 | 1620.0 | 1577.3 | 1533.0 |
| 15° | 2152.0 | 2080.8 | 2001.3 | 1923.9 | 1843.0 | 1769.0 | 1700.6 | 1639.8 | 1582.4 | 1522.3 | 1480.1 |
| 17.5° | 2211.3 | 2126.9 | 2030.2 | 1937.2 | 1841.6 | 1754.4 | 1675.4 | 1603.0 | 1536.8 | 1475.4 | 1425.2 |
| 20° | 2246.7 | 2153.4 | 2046.3 | 1940.5 | 1833.3 | 1740.0 | 1655.0 | 1574.8 | 1506.4 | 1440.0 | 1388.1 |
| 22.5° | 2266.6 | 2163.4 | 2046.3 | 1935.5 | 1824.5 | 1723.4 | 1630.1 | 1546.6 | 1472.1 | 1405.7 | 1348.3 |
| 25° | 2273.0 | 2162.4 | 2042.8 | 1915.6 | 1793.9 | 1686.8 | 1590.0 | 1499.4 | 1416.5 | 1350.1 | 1289.3 |
| 27.5° | 2264.2 | 2133.9 | 2011.4 | 1880.9 | 1755.4 | 1642.4 | 1540.8 | 1445.7 | 1362.6 | 1291.4 | 1229.0 |
| 30° | 2250.9 | 2111.2 | 1979.9 | 1844.4 | 1717.2 | 1608.7 | 1501.5 | 1410.3 | 1323.8 | 1249.9 | 1187.0 |
| 32.5° | 2222.1 | 2083.6 | 1942.3 | 1803.5 | 1674.6 | 1562.8 | 1461.1 | 1369.3 | 1284.6 | 1209.0 | 1142.2 |
| 35° | 2165.2 | 2024.8 | 1871.4 | 1729.0 | 1602.4 | 1486.3 | 1390.9 | 1302.4 | 1221.5 | 1140.7 | 1070.1 |
| 37.5° | 2090.1 | 1946.7 | 1794.1 | 1638.1 | 1511.5 | 1401.8 | 1314.3 | 1231.2 | 1152.3 | 1078.4 | 1000.3 |
| 40° | 2019.3 | 1888.6 | 1731.0 | 1576.2 | 1446.2 | 1340.4 | 1259.6 | 1184.2 | 1104.7 | 1031.4 | 953.3 |
| 42.5° | 1933.6 | 1822.3 | 1663.0 | 1507.6 | 1379.3 | 1277.4 | 1202.0 | 1128.3 | 1056.0 | 985.0 | 903.5 |
| 45° | 1790.5 | 1706.1 | 1556.8 | 1407.5 | 1278.2 | 1177.3 | 1108.2 | 1043.2 | 979.6 | 911.8 | 835.1 |
| 47.5° | 1626.5 | 1569.4 | 1440.5 | 1287.6 | 1168.0 | 1077.2 | 1010.4 | 957.3 | 903.5 | 835.8 | 768.5 |
| 50° | 1512.6 | 1475.9 | 1351.5 | 1211.9 | 1097.8 | 1014.1 | 945.7 | 895.9 | 851.0 | 786.0 | 725.9 |
| 52.5° | 1390.9 | 1371.4 | 1266.3 | 1132.8 | 1022.6 | 940.6 | 882.1 | 837.3 | 791.8 | 737.9 | 681.6 |
| 55° | 1205.6 | 1216.0 | 1126.8 | 1011.4 | 907.7 | 838.6 | 785.3 | 748.0 | 709.3 | 663.7 | 620.1 |
| 57.5° | 1016.2 | 1054.1 | 994.2 | 892.9 | 795.7 | 731.8 | 691.7 | 660.3 | 627.8 | 590.0 | 552.8 |
| 60° | 902.8 | 934.6 | 900.8 | 811.6 | 726.6 | 667.1 | 629.8 | 605.6 | 573.1 | 538.5 | 510.2 |
| 62.5° | 792.2 | 826.2 | 806.2 | 734.2 | 655.2 | 604.1 | 571.2 | 548.6 | 524.4 | 494.3 | 464.8 |
| 65° | 653.3 | 675.4 | 665.7 | 616.0 | 560.0 | 516.4 | 486.0 | 469.4 | 447.3 | 425.2 | 398.9 |
| 67.5° | 500.4 | 543.1 | 537.4 | 511.0 | 462.6 | 428.6 | 408.7 | 394.0 | 373.9 | 357.4 | 339.6 |
| 70° | 411.3 | 450.7 | 450.0 | 428.6 | 402.3 | 370.5 | 356.7 | 344.3 | 326.3 | 310.4 | 295.9 |
| 72.5° | 336.7 | 372.8 | 378.1 | 361.7 | 343.7 | 319.7 | 306.4 | 297.8 | 280.4 | 269.5 | 257.7 |
| 75° | 235.7 | 262.0 | 268.9 | 268.9 | 260.6 | 248.2 | 236.4 | 230.9 | 218.5 | 208.8 | 201.9 |
| 77.5° | 154.6 | 171.2 | 182.0 | 184.4 | 185.7 | 181.5 | 171.9 | 168.0 | 158.4 | 155.0 | 148.4 |
| 80° | 109.2 | 120.3 | 132.7 | 136.9 | 140.3 | 139.0 | 134.8 | 132.0 | 123.1 | 119.6 | 116.8 |
| 82.5° | 75.5 | 81.6 | 91.8 | 100.9 | 100.0 | 103.6 | 100.0 | 97.8 | 91.0 | 89.7 | 87.0 |
| 85° | 39.4 | 40.1 | 41.5 | 47.7 | 51.2 | 52.5 | 53.2 | 51.8 | 49.8 | 49.8 | 44.9 |
| 87.5° | 17.0 | 16.0 | 16.8 | 16.4 | 16.4 | 18.2 | 19.3 | 19.4 | 18.2 | 17.1 | 15.9 |
| 90° | 18.4 | 16.6 | 14.9 | 12.8 | 10.3 | 7.9 | 5.4 | 3.0 | 5.4 | 7.9 | 10.3 |
| 92.5° | 17.6 | 15.8 | 14.1 | 13.1 | 13.0 | 12.8 | 12.7 | 12.6 | 12.7 | 12.8 | 13.0 |
| 95° | 21.5 | 21.3 | 21.1 | 24.7 | 32.3 | 39.8 | 47.4 | 54.9 | 47.4 | 39.8 | 32.3 |
| 97.5° | 75.9 | 100.6 | 125.4 | 135.4 | 130.7 | 126.0 | 121.3 | 116.6 | 121.3 | 126.0 | 130.7 |
| 100° | 105.2 | 135.8 | 166.4 | 179.7 | 175.7 | 171.7 | 167.7 | 163.7 | 167.7 | 171.7 | 175.7 |
| 102.5° | 219.6 | 223.6 | 227.6 | 228.1 | 225.2 | 222.3 | 219.4 | 216.4 | 219.4 | 222.3 | 225.2 |
| 105° | 309.2 | 308.1 | 307.0 | 305.8 | 304.5 | 303.1 | 301.8 | 300.5 | 301.8 | 303.1 | 304.5 |
| 107.5° | 385.3 | 383.8 | 382.3 | 381.2 | 380.5 | 379.9 | 379.2 | 378.5 | 379.2 | 379.9 | 380.5 |
| 110° | 437.6 | 436.2 | 434.9 | 433.9 | 433.2 | 432.6 | 431.9 | 431.3 | 431.9 | 432.6 | 433.2 |



TEST NUMBER: P332973

CATALOG NUMBER: SA4XXRDIP-C1020D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 489.3 | 488.7 | 488.1 | 487.2 | 486.0 | 484.8 | 483.6 | 482.4 | 483.6 | 484.8 | 486.0 |
| 115° | 563.5 | 563.7 | 563.9 | 563.7 | 563.0 | 562.4 | 561.7 | 561.0 | 561.7 | 562.4 | 563.0 |
| 117.5° | 637.1 | 636.6 | 636.1 | 635.5 | 634.6 | 633.7 | 632.8 | 631.9 | 632.8 | 633.7 | 634.6 |
| 120° | 683.3 | 683.5 | 683.7 | 683.4 | 682.5 | 681.6 | 680.7 | 679.8 | 680.7 | 681.6 | 682.5 |
| 122.5° | 727.7 | 727.4 | 727.1 | 726.7 | 726.1 | 725.6 | 725.1 | 724.5 | 725.1 | 725.6 | 726.1 |
| 125° | 791.5 | 792.0 | 792.4 | 792.2 | 791.3 | 790.4 | 789.5 | 788.6 | 789.5 | 790.4 | 791.3 |
| 127.5° | 852.9 | 851.9 | 850.8 | 850.2 | 850.0 | 849.8 | 849.5 | 849.3 | 849.5 | 849.8 | 850.0 |
| 130° | 891.1 | 890.5 | 889.8 | 889.3 | 889.1 | 888.9 | 888.7 | 888.5 | 888.7 | 888.9 | 889.1 |
| 132.5° | 928.3 | 927.5 | 926.6 | 926.0 | 925.6 | 925.2 | 924.8 | 924.4 | 924.8 | 925.2 | 925.6 |
| 135° | 979.5 | 978.6 | 977.7 | 977.4 | 977.6 | 977.9 | 978.1 | 978.3 | 978.1 | 977.9 | 977.6 |
| 137.5° | 1028.9 | 1027.9 | 1026.9 | 1026.4 | 1026.3 | 1026.2 | 1026.1 | 1026.0 | 1026.1 | 1026.2 | 1026.3 |
| 140° | 1060.3 | 1059.8 | 1059.4 | 1058.9 | 1058.5 | 1058.1 | 1057.6 | 1057.2 | 1057.6 | 1058.1 | 1058.5 |
| 142.5° | 1089.4 | 1089.1 | 1088.8 | 1088.3 | 1087.5 | 1086.7 | 1085.9 | 1085.1 | 1085.9 | 1086.7 | 1087.5 |
| 145° | 1131.0 | 1131.0 | 1131.0 | 1130.7 | 1130.0 | 1129.4 | 1128.7 | 1128.0 | 1128.7 | 1129.4 | 1130.0 |
| 147.5° | 1167.2 | 1167.4 | 1167.7 | 1167.2 | 1165.9 | 1164.7 | 1163.4 | 1162.2 | 1163.4 | 1164.7 | 1165.9 |
| 150° | 1190.4 | 1190.6 | 1190.8 | 1190.5 | 1189.6 | 1188.7 | 1187.8 | 1186.9 | 1187.8 | 1188.7 | 1189.6 |
| 152.5° | 1209.9 | 1210.3 | 1210.7 | 1210.5 | 1209.8 | 1209.1 | 1208.4 | 1207.7 | 1208.4 | 1209.1 | 1209.8 |
| 155° | 1236.2 | 1236.9 | 1237.5 | 1237.7 | 1237.5 | 1237.3 | 1237.1 | 1236.9 | 1237.1 | 1237.3 | 1237.5 |
| 157.5° | 1258.9 | 1259.7 | 1260.4 | 1260.9 | 1261.0 | 1261.1 | 1261.3 | 1261.4 | 1261.3 | 1261.1 | 1261.0 |
| 160° | 1272.2 | 1272.5 | 1272.7 | 1273.1 | 1273.8 | 1274.5 | 1275.1 | 1275.8 | 1275.1 | 1274.5 | 1273.8 |
| 162.5° | 1284.2 | 1284.4 | 1284.7 | 1285.2 | 1286.0 | 1286.9 | 1287.7 | 1288.6 | 1287.7 | 1286.9 | 1286.0 |
| 165° | 1299.7 | 1299.7 | 1299.7 | 1300.3 | 1301.4 | 1302.5 | 1303.6 | 1304.7 | 1303.6 | 1302.5 | 1301.4 |
| 167.5° | 1312.0 | 1312.1 | 1312.3 | 1312.9 | 1314.1 | 1315.2 | 1316.4 | 1317.5 | 1316.4 | 1315.2 | 1314.1 |
| 170° | 1319.3 | 1319.0 | 1318.8 | 1319.4 | 1320.7 | 1322.0 | 1323.4 | 1324.7 | 1323.4 | 1322.0 | 1320.7 |
| 172.5° | 1324.1 | 1323.8 | 1323.6 | 1324.2 | 1325.5 | 1326.8 | 1328.2 | 1329.5 | 1328.2 | 1326.8 | 1325.5 |
| 175° | 1329.3 | 1329.0 | 1328.8 | 1329.4 | 1330.7 | 1332.0 | 1333.4 | 1334.7 | 1333.4 | 1332.0 | 1330.7 |
| 177.5° | 1332.4 | 1332.0 | 1331.7 | 1332.1 | 1333.4 | 1334.6 | 1335.8 | 1337.1 | 1335.8 | 1334.6 | 1333.4 |
| 180° | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 |



TEST NUMBER: P332973

CATALOG NUMBER: SA4XXRDIP-C1020D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 |
| 2.5° | 1684.8 | 1679.3 | 1672.1 | 1663.8 | 1653.9 | 1645.0 | 1641.2 | 1644.5 | 1646.1 | 1641.7 | 1641.2 |
| 5° | 1633.6 | 1616.3 | 1602.4 | 1581.7 | 1565.1 | 1551.3 | 1541.6 | 1537.5 | 1538.8 | 1527.8 | 1525.0 |
| 7.5° | 1575.9 | 1555.4 | 1532.8 | 1508.1 | 1485.2 | 1464.9 | 1454.2 | 1448.4 | 1436.7 | 1431.7 | 1423.3 |
| 10° | 1538.8 | 1511.2 | 1489.1 | 1460.0 | 1433.8 | 1409.6 | 1397.8 | 1388.1 | 1376.4 | 1370.9 | 1359.1 |
| 12.5° | 1500.7 | 1468.6 | 1444.3 | 1414.1 | 1387.3 | 1358.1 | 1346.9 | 1329.0 | 1310.6 | 1299.0 | 1283.9 |
| 15° | 1446.9 | 1408.2 | 1378.5 | 1342.5 | 1310.7 | 1277.5 | 1247.8 | 1214.6 | 1202.2 | 1175.9 | 1160.7 |
| 17.5° | 1384.0 | 1344.7 | 1307.9 | 1259.7 | 1210.6 | 1169.4 | 1137.7 | 1105.9 | 1086.9 | 1070.1 | 1062.4 |
| 20° | 1342.5 | 1306.6 | 1255.4 | 1199.4 | 1144.8 | 1099.2 | 1073.6 | 1052.9 | 1032.1 | 1020.4 | 1012.1 |
| 22.5° | 1303.2 | 1257.3 | 1197.9 | 1137.5 | 1082.9 | 1047.2 | 1025.5 | 1004.2 | 987.3 | 976.1 | 965.1 |
| 25° | 1237.4 | 1177.3 | 1114.4 | 1045.3 | 1007.9 | 976.8 | 953.3 | 936.0 | 925.7 | 911.1 | 905.6 |
| 27.5° | 1169.8 | 1097.0 | 1027.6 | 981.1 | 942.2 | 913.8 | 893.3 | 880.3 | 867.2 | 857.9 | 850.7 |
| 30° | 1117.8 | 1043.9 | 981.7 | 937.4 | 898.0 | 874.5 | 857.9 | 842.7 | 832.3 | 824.7 | 819.2 |
| 32.5° | 1066.4 | 992.4 | 940.2 | 892.6 | 861.5 | 838.6 | 820.9 | 809.5 | 801.4 | 791.5 | 788.2 |
| 35° | 992.0 | 926.3 | 880.7 | 837.9 | 806.1 | 785.3 | 771.5 | 759.7 | 752.8 | 750.1 | 748.0 |
| 37.5° | 920.5 | 866.8 | 817.7 | 782.6 | 754.2 | 737.9 | 721.6 | 715.8 | 711.1 | 706.1 | 708.3 |
| 40° | 875.2 | 824.7 | 781.2 | 743.8 | 721.0 | 703.1 | 693.4 | 686.5 | 682.3 | 682.3 | 682.3 |
| 42.5° | 835.9 | 786.6 | 744.1 | 710.7 | 687.8 | 672.6 | 661.9 | 656.0 | 654.7 | 654.1 | 657.4 |
| 45° | 775.0 | 729.3 | 686.5 | 658.8 | 639.5 | 624.2 | 618.0 | 613.2 | 613.2 | 616.0 | 616.6 |
| 47.5° | 714.5 | 671.8 | 637.4 | 606.4 | 588.7 | 579.2 | 573.8 | 571.3 | 571.6 | 574.3 | 577.5 |
| 50° | 677.5 | 635.3 | 601.4 | 573.8 | 557.2 | 548.2 | 543.4 | 542.0 | 543.4 | 543.4 | 548.2 |
| 52.5° | 637.1 | 599.4 | 566.0 | 542.8 | 524.0 | 515.6 | 512.9 | 511.0 | 511.8 | 514.1 | 516.1 |
| 55° | 577.9 | 544.1 | 512.3 | 490.1 | 476.3 | 470.8 | 464.6 | 465.2 | 463.9 | 465.2 | 465.2 |
| 57.5° | 518.6 | 488.2 | 458.6 | 441.1 | 428.9 | 420.9 | 414.1 | 416.0 | 414.0 | 413.7 | 412.6 |
| 60° | 480.5 | 447.3 | 423.8 | 407.9 | 394.0 | 387.1 | 380.9 | 382.3 | 380.2 | 378.8 | 376.1 |
| 62.5° | 439.0 | 411.3 | 388.9 | 373.6 | 362.5 | 354.5 | 348.3 | 346.9 | 342.1 | 337.4 | 331.3 |
| 65° | 378.8 | 356.0 | 336.0 | 321.5 | 311.1 | 304.9 | 300.0 | 295.9 | 285.5 | 274.4 | 268.9 |
| 67.5° | 320.4 | 303.9 | 285.2 | 272.9 | 264.5 | 256.3 | 247.1 | 240.0 | 230.3 | 224.3 | 220.8 |
| 70° | 282.7 | 266.8 | 250.9 | 239.2 | 230.2 | 222.6 | 212.2 | 207.4 | 200.5 | 197.7 | 194.3 |
| 72.5° | 246.8 | 232.0 | 217.2 | 206.6 | 197.0 | 191.1 | 182.9 | 178.1 | 175.0 | 173.9 | 170.5 |
| 75° | 192.2 | 180.4 | 169.4 | 159.7 | 152.1 | 147.9 | 144.5 | 141.0 | 139.6 | 133.4 | 130.0 |
| 77.5° | 140.2 | 132.5 | 125.5 | 118.6 | 113.2 | 110.5 | 103.8 | 99.8 | 97.5 | 94.6 | 93.9 |
| 80° | 109.2 | 103.7 | 96.8 | 92.6 | 85.0 | 82.3 | 79.5 | 78.8 | 78.1 | 77.4 | 76.7 |
| 82.5° | 82.1 | 76.6 | 69.7 | 67.2 | 65.1 | 63.5 | 61.8 | 61.1 | 60.4 | 60.8 | 60.7 |
| 85° | 41.5 | 38.7 | 38.7 | 38.0 | 37.3 | 36.6 | 35.9 | 35.9 | 35.3 | 35.9 | 35.3 |
| 87.5° | 16.4 | 16.2 | 16.6 | 15.8 | 16.8 | 17.1 | 16.8 | 17.1 | 17.9 | 17.1 | 17.2 |
| 90° | 12.8 | 14.9 | 16.6 | 18.4 | 20.2 | 22.0 | 23.3 | 24.6 | 26.0 | 27.3 | 28.2 |
| 92.5° | 13.1 | 14.1 | 15.8 | 17.6 | 19.4 | 21.2 | 22.5 | 23.8 | 25.2 | 26.5 | 27.2 |
| 95° | 24.7 | 21.1 | 21.3 | 21.5 | 21.7 | 22.0 | 23.3 | 24.6 | 26.0 | 27.3 | 28.1 |
| 97.5° | 135.4 | 125.4 | 100.6 | 75.9 | 51.1 | 26.4 | 26.5 | 26.6 | 26.8 | 26.9 | 27.1 |
| 100° | 179.7 | 166.4 | 135.8 | 105.2 | 74.5 | 43.9 | 40.2 | 36.4 | 32.6 | 28.8 | 27.1 |
| 102.5° | 228.1 | 227.6 | 223.6 | 219.6 | 215.6 | 211.6 | 170.9 | 130.3 | 89.6 | 48.9 | 28.6 |
| 105° | 305.8 | 307.0 | 308.1 | 309.2 | 310.4 | 311.5 | 313.5 | 315.5 | 317.4 | 319.4 | 316.5 |
| 107.5° | 381.2 | 382.3 | 383.8 | 385.3 | 386.8 | 388.3 | 389.3 | 390.3 | 391.3 | 392.2 | 393.1 |
| 110° | 433.9 | 434.9 | 436.2 | 437.6 | 438.9 | 440.2 | 440.7 | 441.1 | 441.6 | 442.0 | 442.6 |



TEST NUMBER: P332973

CATALOG NUMBER: SA4XXRDIP-C1020D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 487.2 | 488.1 | 488.7 | 489.3 | 489.9 | 490.5 | 490.5 | 490.4 | 490.3 | 490.2 | 490.6 |
| 115° | 563.7 | 563.9 | 563.7 | 563.5 | 563.2 | 563.0 | 563.5 | 563.9 | 564.4 | 564.8 | 565.0 |
| 117.5° | 635.5 | 636.1 | 636.6 | 637.1 | 637.6 | 638.1 | 638.0 | 637.9 | 637.8 | 637.7 | 637.7 |
| 120° | 683.4 | 683.7 | 683.5 | 683.3 | 683.0 | 682.8 | 683.3 | 683.7 | 684.1 | 684.6 | 684.6 |
| 122.5° | 726.7 | 727.1 | 727.4 | 727.7 | 728.0 | 728.3 | 728.6 | 728.9 | 729.1 | 729.4 | 729.3 |
| 125° | 792.2 | 792.4 | 792.0 | 791.5 | 791.1 | 790.6 | 791.3 | 792.0 | 792.6 | 793.3 | 793.7 |
| 127.5° | 850.2 | 850.8 | 851.9 | 852.9 | 853.9 | 854.9 | 854.8 | 854.7 | 854.5 | 854.4 | 854.2 |
| 130° | 889.3 | 889.8 | 890.5 | 891.1 | 891.8 | 892.5 | 892.7 | 892.9 | 893.1 | 893.3 | 893.5 |
| 132.5° | 926.0 | 926.6 | 927.5 | 928.3 | 929.1 | 930.0 | 930.2 | 930.4 | 930.7 | 930.9 | 930.9 |
| 135° | 977.4 | 977.7 | 978.6 | 979.5 | 980.4 | 981.3 | 981.7 | 982.2 | 982.6 | 983.1 | 983.5 |
| 137.5° | 1026.4 | 1026.9 | 1027.9 | 1028.9 | 1029.8 | 1030.8 | 1031.3 | 1031.8 | 1032.3 | 1032.8 | 1032.9 |
| 140° | 1058.9 | 1059.4 | 1059.8 | 1060.3 | 1060.7 | 1061.2 | 1061.8 | 1062.5 | 1063.2 | 1063.8 | 1064.3 |
| 142.5° | 1088.3 | 1088.8 | 1089.1 | 1089.4 | 1089.6 | 1089.9 | 1090.4 | 1090.9 | 1091.4 | 1091.9 | 1092.1 |
| 145° | 1130.7 | 1131.0 | 1131.0 | 1131.0 | 1131.0 | 1131.0 | 1131.3 | 1131.5 | 1131.7 | 1131.9 | 1132.3 |
| 147.5° | 1167.2 | 1167.7 | 1167.4 | 1167.2 | 1167.0 | 1166.8 | 1167.0 | 1167.1 | 1167.3 | 1167.5 | 1167.7 |
| 150° | 1190.5 | 1190.8 | 1190.6 | 1190.4 | 1190.2 | 1189.9 | 1189.9 | 1189.9 | 1189.9 | 1189.9 | 1190.0 |
| 152.5° | 1210.5 | 1210.7 | 1210.3 | 1209.9 | 1209.5 | 1209.1 | 1209.5 | 1209.8 | 1210.2 | 1210.5 | 1210.6 |
| 155° | 1237.7 | 1237.5 | 1236.9 | 1236.2 | 1235.5 | 1234.9 | 1235.7 | 1236.6 | 1237.5 | 1238.4 | 1238.5 |
| 157.5° | 1260.9 | 1260.4 | 1259.7 | 1258.9 | 1258.2 | 1257.4 | 1258.6 | 1259.7 | 1260.9 | 1262.0 | 1262.0 |
| 160° | 1273.1 | 1272.7 | 1272.5 | 1272.2 | 1272.0 | 1271.8 | 1273.1 | 1274.5 | 1275.8 | 1277.1 | 1277.1 |
| 162.5° | 1285.2 | 1284.7 | 1284.4 | 1284.2 | 1284.0 | 1283.8 | 1285.1 | 1286.4 | 1287.8 | 1289.1 | 1289.0 |
| 165° | 1300.3 | 1299.7 | 1299.7 | 1299.7 | 1299.7 | 1299.7 | 1301.5 | 1303.3 | 1305.1 | 1306.8 | 1306.7 |
| 167.5° | 1312.9 | 1312.3 | 1312.1 | 1312.0 | 1311.9 | 1311.7 | 1313.7 | 1315.6 | 1317.6 | 1319.5 | 1319.4 |
| 170° | 1319.4 | 1318.8 | 1319.0 | 1319.3 | 1319.5 | 1319.7 | 1321.5 | 1323.3 | 1325.0 | 1326.8 | 1326.6 |
| 172.5° | 1324.2 | 1323.6 | 1323.8 | 1324.1 | 1324.3 | 1324.5 | 1326.3 | 1328.1 | 1329.8 | 1331.6 | 1331.3 |
| 175° | 1329.4 | 1328.8 | 1329.0 | 1329.3 | 1329.5 | 1329.7 | 1331.7 | 1333.7 | 1335.7 | 1337.7 | 1337.3 |
| 177.5° | 1332.1 | 1331.7 | 1332.0 | 1332.4 | 1332.7 | 1333.1 | 1334.5 | 1335.9 | 1337.3 | 1338.8 | 1338.4 |
| 180° | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 |



TEST NUMBER: P332973

CATALOG NUMBER: SA4XXRDIP-C1020D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 |
| 2.5° | 1637.8 | 1638.9 | 1635.1 | 1634.0 | 1635.1 | 1638.9 | 1637.8 | 1641.2 | 1641.7 | 1646.1 | 1644.5 |
| 5° | 1519.5 | 1518.1 | 1514.6 | 1515.3 | 1514.6 | 1518.1 | 1519.5 | 1525.0 | 1527.8 | 1538.8 | 1537.5 |
| 7.5° | 1418.3 | 1412.9 | 1414.4 | 1408.9 | 1414.4 | 1412.9 | 1418.3 | 1423.3 | 1431.7 | 1436.7 | 1448.4 |
| 10° | 1356.3 | 1348.7 | 1342.5 | 1337.0 | 1342.5 | 1348.7 | 1356.3 | 1359.1 | 1370.9 | 1376.4 | 1388.1 |
| 12.5° | 1271.7 | 1265.2 | 1256.8 | 1258.5 | 1256.8 | 1265.2 | 1271.7 | 1283.9 | 1299.0 | 1310.6 | 1329.0 |
| 15° | 1151.7 | 1141.3 | 1124.8 | 1126.8 | 1124.8 | 1141.3 | 1151.7 | 1160.7 | 1175.9 | 1202.2 | 1214.6 |
| 17.5° | 1050.1 | 1050.2 | 1042.6 | 1044.4 | 1042.6 | 1050.2 | 1050.1 | 1062.4 | 1070.1 | 1086.9 | 1105.9 |
| 20° | 997.6 | 992.7 | 993.4 | 991.3 | 993.4 | 992.7 | 997.6 | 1012.1 | 1020.4 | 1032.1 | 1052.9 |
| 22.5° | 961.1 | 955.1 | 950.3 | 946.0 | 950.3 | 955.1 | 961.1 | 965.1 | 976.1 | 987.3 | 1004.2 |
| 25° | 899.4 | 895.2 | 889.0 | 887.6 | 889.0 | 895.2 | 899.4 | 905.6 | 911.1 | 925.7 | 936.0 |
| 27.5° | 845.2 | 844.4 | 841.9 | 838.7 | 841.9 | 844.4 | 845.2 | 850.7 | 857.9 | 867.2 | 880.3 |
| 30° | 813.7 | 812.3 | 810.9 | 808.8 | 810.9 | 812.3 | 813.7 | 819.2 | 824.7 | 832.3 | 842.7 |
| 32.5° | 785.5 | 784.6 | 783.2 | 783.4 | 783.2 | 784.6 | 785.5 | 788.2 | 791.5 | 801.4 | 809.5 |
| 35° | 745.2 | 744.5 | 743.2 | 742.5 | 743.2 | 744.5 | 745.2 | 748.0 | 750.1 | 752.8 | 759.7 |
| 37.5° | 707.6 | 709.4 | 708.6 | 708.4 | 708.6 | 709.4 | 707.6 | 708.3 | 706.1 | 711.1 | 715.8 |
| 40° | 681.6 | 682.3 | 683.7 | 683.0 | 683.7 | 682.3 | 681.6 | 682.3 | 682.3 | 682.3 | 686.5 |
| 42.5° | 660.1 | 660.2 | 662.1 | 659.8 | 662.1 | 660.2 | 660.1 | 657.4 | 654.1 | 654.7 | 656.0 |
| 45° | 621.5 | 625.6 | 624.9 | 624.9 | 624.9 | 625.6 | 621.5 | 616.6 | 616.0 | 613.2 | 613.2 |
| 47.5° | 579.3 | 582.9 | 583.9 | 583.7 | 583.9 | 582.9 | 579.3 | 577.5 | 574.3 | 571.6 | 571.3 |
| 50° | 551.7 | 550.3 | 552.4 | 551.7 | 552.4 | 550.3 | 551.7 | 548.2 | 543.4 | 543.4 | 542.0 |
| 52.5° | 517.9 | 518.2 | 518.1 | 517.4 | 518.1 | 518.2 | 517.9 | 516.1 | 514.1 | 511.8 | 511.0 |
| 55° | 465.9 | 466.6 | 465.2 | 465.9 | 465.2 | 466.6 | 465.9 | 465.2 | 465.2 | 463.9 | 465.2 |
| 57.5° | 409.5 | 406.2 | 407.6 | 405.9 | 407.6 | 406.2 | 409.5 | 412.6 | 413.7 | 414.0 | 416.0 |
| 60° | 369.2 | 363.6 | 362.2 | 359.5 | 362.2 | 363.6 | 369.2 | 376.1 | 378.8 | 380.2 | 382.3 |
| 62.5° | 323.8 | 319.9 | 315.2 | 317.4 | 315.2 | 319.9 | 323.8 | 331.3 | 337.4 | 342.1 | 346.9 |
| 65° | 263.4 | 260.6 | 258.5 | 261.3 | 258.5 | 260.6 | 263.4 | 268.9 | 274.4 | 285.5 | 295.9 |
| 67.5° | 218.0 | 216.5 | 216.5 | 215.1 | 216.5 | 216.5 | 218.0 | 220.8 | 224.3 | 230.3 | 240.0 |
| 70° | 194.3 | 192.2 | 192.2 | 190.8 | 192.2 | 192.2 | 194.3 | 194.3 | 197.7 | 200.5 | 207.4 |
| 72.5° | 169.9 | 167.8 | 168.4 | 167.6 | 168.4 | 167.8 | 169.9 | 170.5 | 173.9 | 175.0 | 178.1 |
| 75° | 125.8 | 122.4 | 122.4 | 123.1 | 122.4 | 122.4 | 125.8 | 130.0 | 133.4 | 139.6 | 141.0 |
| 77.5° | 93.9 | 93.2 | 94.2 | 92.9 | 94.2 | 93.2 | 93.9 | 93.9 | 94.6 | 97.5 | 99.8 |
| 80° | 76.7 | 76.0 | 75.4 | 77.4 | 75.4 | 76.0 | 76.7 | 76.7 | 77.4 | 78.1 | 78.8 |
| 82.5° | 59.6 | 59.5 | 59.3 | 61.9 | 59.3 | 59.5 | 59.6 | 60.7 | 60.8 | 60.4 | 61.1 |
| 85° | 35.9 | 34.6 | 35.9 | 34.6 | 35.9 | 34.6 | 35.9 | 35.3 | 35.9 | 35.3 | 35.9 |
| 87.5° | 18.4 | 18.0 | 17.5 | 18.2 | 17.5 | 18.0 | 18.4 | 17.2 | 17.1 | 17.9 | 17.1 |
| 90° | 28.6 | 29.1 | 29.5 | 29.9 | 29.5 | 29.1 | 28.6 | 28.2 | 27.3 | 26.0 | 24.6 |
| 92.5° | 27.3 | 27.4 | 27.5 | 27.6 | 27.5 | 27.4 | 27.3 | 27.2 | 26.5 | 25.2 | 23.8 |
| 95° | 28.3 | 28.5 | 28.7 | 28.9 | 28.7 | 28.5 | 28.3 | 28.1 | 27.3 | 26.0 | 24.6 |
| 97.5° | 27.3 | 27.5 | 27.7 | 28.0 | 27.7 | 27.5 | 27.3 | 27.1 | 26.9 | 26.8 | 26.6 |
| 100° | 27.3 | 27.5 | 27.7 | 28.0 | 27.7 | 27.5 | 27.3 | 27.1 | 28.8 | 32.6 | 36.4 |
| 102.5° | 28.6 | 28.7 | 28.7 | 28.8 | 28.7 | 28.7 | 28.6 | 28.6 | 48.9 | 89.6 | 130.3 |
| 105° | 308.5 | 300.5 | 292.5 | 284.5 | 292.5 | 300.5 | 308.5 | 316.5 | 319.4 | 317.4 | 315.5 |
| 107.5° | 394.0 | 394.8 | 395.7 | 396.5 | 395.7 | 394.8 | 394.0 | 393.1 | 392.2 | 391.3 | 390.3 |
| 110° | 443.2 | 443.9 | 444.6 | 445.2 | 444.6 | 443.9 | 443.2 | 442.6 | 442.0 | 441.6 | 441.1 |



TEST NUMBER: P332973

CATALOG NUMBER: SA4XXRDIP-C1020D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 491.4 | 492.3 | 493.1 | 493.9 | 493.1 | 492.3 | 491.4 | 490.6 | 490.2 | 490.3 | 490.4 |
| 115° | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 | 564.8 | 564.4 | 563.9 |
| 117.5° | 637.6 | 637.5 | 637.4 | 637.3 | 637.4 | 637.5 | 637.6 | 637.7 | 637.7 | 637.8 | 637.9 |
| 120° | 684.1 | 683.7 | 683.3 | 682.8 | 683.3 | 683.7 | 684.1 | 684.6 | 684.6 | 684.1 | 683.7 |
| 122.5° | 728.9 | 728.4 | 728.0 | 727.5 | 728.0 | 728.4 | 728.9 | 729.3 | 729.4 | 729.1 | 728.9 |
| 125° | 794.0 | 794.2 | 794.4 | 794.6 | 794.4 | 794.2 | 794.0 | 793.7 | 793.3 | 792.6 | 792.0 |
| 127.5° | 854.1 | 853.9 | 853.7 | 853.5 | 853.7 | 853.9 | 854.1 | 854.2 | 854.4 | 854.5 | 854.7 |
| 130° | 893.5 | 893.5 | 893.5 | 893.5 | 893.5 | 893.5 | 893.5 | 893.5 | 893.3 | 893.1 | 892.9 |
| 132.5° | 930.7 | 930.5 | 930.4 | 930.2 | 930.4 | 930.5 | 930.7 | 930.9 | 930.9 | 930.7 | 930.4 |
| 135° | 984.0 | 984.4 | 984.8 | 985.3 | 984.8 | 984.4 | 984.0 | 983.5 | 983.1 | 982.6 | 982.2 |
| 137.5° | 1032.8 | 1032.7 | 1032.5 | 1032.4 | 1032.5 | 1032.7 | 1032.8 | 1032.9 | 1032.8 | 1032.3 | 1031.8 |
| 140° | 1064.5 | 1064.7 | 1064.9 | 1065.2 | 1064.9 | 1064.7 | 1064.5 | 1064.3 | 1063.8 | 1063.2 | 1062.5 |
| 142.5° | 1092.2 | 1092.2 | 1092.3 | 1092.3 | 1092.3 | 1092.2 | 1092.2 | 1092.1 | 1091.9 | 1091.4 | 1090.9 |
| 145° | 1132.7 | 1133.1 | 1133.6 | 1134.0 | 1133.6 | 1133.1 | 1132.7 | 1132.3 | 1131.9 | 1131.7 | 1131.5 |
| 147.5° | 1167.9 | 1168.1 | 1168.4 | 1168.6 | 1168.4 | 1168.1 | 1167.9 | 1167.7 | 1167.5 | 1167.3 | 1167.1 |
| 150° | 1190.3 | 1190.5 | 1190.7 | 1190.9 | 1190.7 | 1190.5 | 1190.3 | 1190.0 | 1189.9 | 1189.9 | 1189.9 |
| 152.5° | 1210.5 | 1210.4 | 1210.2 | 1210.1 | 1210.2 | 1210.4 | 1210.5 | 1210.6 | 1210.5 | 1210.2 | 1209.8 |
| 155° | 1237.9 | 1237.2 | 1236.5 | 1235.9 | 1236.5 | 1237.2 | 1237.9 | 1238.5 | 1238.4 | 1237.5 | 1236.6 |
| 157.5° | 1260.9 | 1259.7 | 1258.6 | 1257.4 | 1258.6 | 1259.7 | 1260.9 | 1262.0 | 1262.0 | 1260.9 | 1259.7 |
| 160° | 1275.8 | 1274.5 | 1273.1 | 1271.8 | 1273.1 | 1274.5 | 1275.8 | 1277.1 | 1277.1 | 1275.8 | 1274.5 |
| 162.5° | 1287.5 | 1286.0 | 1284.5 | 1283.0 | 1284.5 | 1286.0 | 1287.5 | 1289.0 | 1289.1 | 1287.8 | 1286.4 |
| 165° | 1304.7 | 1302.7 | 1300.7 | 1298.7 | 1300.7 | 1302.7 | 1304.7 | 1306.7 | 1306.8 | 1305.1 | 1303.3 |
| 167.5° | 1317.2 | 1315.0 | 1312.7 | 1310.5 | 1312.7 | 1315.0 | 1317.2 | 1319.4 | 1319.5 | 1317.6 | 1315.6 |
| 170° | 1324.4 | 1322.2 | 1319.9 | 1317.7 | 1319.9 | 1322.2 | 1324.4 | 1326.6 | 1326.8 | 1325.0 | 1323.3 |
| 172.5° | 1328.9 | 1326.5 | 1324.1 | 1321.7 | 1324.1 | 1326.5 | 1328.9 | 1331.3 | 1331.6 | 1329.8 | 1328.1 |
| 175° | 1334.7 | 1332.0 | 1329.4 | 1326.7 | 1329.4 | 1332.0 | 1334.7 | 1337.3 | 1337.7 | 1335.7 | 1333.7 |
| 177.5° | 1336.3 | 1334.2 | 1332.0 | 1329.9 | 1332.0 | 1334.2 | 1336.3 | 1338.4 | 1338.8 | 1337.3 | 1335.9 |
| 180° | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 |



TEST NUMBER: P332973

CATALOG NUMBER: SA4XXRDIP-C1020D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 |
| 2.5° | 1641.2 | 1645.0 | 1653.9 | 1663.8 | 1672.1 | 1679.3 | 1684.8 | 1692.6 | 1699.8 | 1709.7 | 1719.1 |
| 5° | 1541.6 | 1551.3 | 1565.1 | 1581.7 | 1602.4 | 1616.3 | 1633.6 | 1648.8 | 1670.9 | 1693.0 | 1714.4 |
| 7.5° | 1454.2 | 1464.9 | 1485.2 | 1508.1 | 1532.8 | 1555.4 | 1575.9 | 1602.7 | 1632.0 | 1664.2 | 1700.2 |
| 10° | 1397.8 | 1409.6 | 1433.8 | 1460.0 | 1489.1 | 1511.2 | 1538.8 | 1570.6 | 1603.8 | 1643.2 | 1687.5 |
| 12.5° | 1346.9 | 1358.1 | 1387.3 | 1414.1 | 1444.3 | 1468.6 | 1500.7 | 1533.0 | 1577.3 | 1620.0 | 1670.3 |
| 15° | 1247.8 | 1277.5 | 1310.7 | 1342.5 | 1378.5 | 1408.2 | 1446.9 | 1480.1 | 1522.3 | 1582.4 | 1639.8 |
| 17.5° | 1137.7 | 1169.4 | 1210.6 | 1259.7 | 1307.9 | 1344.7 | 1384.0 | 1425.2 | 1475.4 | 1536.8 | 1603.0 |
| 20° | 1073.6 | 1099.2 | 1144.8 | 1199.4 | 1255.4 | 1306.6 | 1342.5 | 1388.1 | 1440.0 | 1506.4 | 1574.8 |
| 22.5° | 1025.5 | 1047.2 | 1082.9 | 1137.5 | 1197.9 | 1257.3 | 1303.2 | 1348.3 | 1405.7 | 1472.1 | 1546.6 |
| 25° | 953.3 | 976.8 | 1007.9 | 1045.3 | 1114.4 | 1177.3 | 1237.4 | 1289.3 | 1350.1 | 1416.5 | 1499.4 |
| 27.5° | 893.3 | 913.8 | 942.2 | 981.1 | 1027.6 | 1097.0 | 1169.8 | 1229.0 | 1291.4 | 1362.6 | 1445.7 |
| 30° | 857.9 | 874.5 | 898.0 | 937.4 | 981.7 | 1043.9 | 1117.8 | 1187.0 | 1249.9 | 1323.8 | 1410.3 |
| 32.5° | 820.9 | 838.6 | 861.5 | 892.6 | 940.2 | 992.4 | 1066.4 | 1142.2 | 1209.0 | 1284.6 | 1369.3 |
| 35° | 771.5 | 785.3 | 806.1 | 837.9 | 880.7 | 926.3 | 992.0 | 1070.1 | 1140.7 | 1221.5 | 1302.4 |
| 37.5° | 721.6 | 737.9 | 754.2 | 782.6 | 817.7 | 866.8 | 920.5 | 1000.3 | 1078.4 | 1152.3 | 1231.2 |
| 40° | 693.4 | 703.1 | 721.0 | 743.8 | 781.2 | 824.7 | 875.2 | 953.3 | 1031.4 | 1104.7 | 1184.2 |
| 42.5° | 661.9 | 672.6 | 687.8 | 710.7 | 744.1 | 786.6 | 835.9 | 903.5 | 985.0 | 1056.0 | 1128.3 |
| 45° | 618.0 | 624.2 | 639.5 | 658.8 | 686.5 | 729.3 | 775.0 | 835.1 | 911.8 | 979.6 | 1043.2 |
| 47.5° | 573.8 | 579.2 | 588.7 | 606.4 | 637.4 | 671.8 | 714.5 | 768.5 | 835.8 | 903.5 | 957.3 |
| 50° | 543.4 | 548.2 | 557.2 | 573.8 | 601.4 | 635.3 | 677.5 | 725.9 | 786.0 | 851.0 | 895.9 |
| 52.5° | 512.9 | 515.6 | 524.0 | 542.8 | 566.0 | 599.4 | 637.1 | 681.6 | 737.9 | 791.8 | 837.3 |
| 55° | 464.6 | 470.8 | 476.3 | 490.1 | 512.3 | 544.1 | 577.9 | 620.1 | 663.7 | 709.3 | 748.0 |
| 57.5° | 414.1 | 420.9 | 428.9 | 441.1 | 458.6 | 488.2 | 518.6 | 552.8 | 590.0 | 627.8 | 660.3 |
| 60° | 380.9 | 387.1 | 394.0 | 407.9 | 423.8 | 447.3 | 480.5 | 510.2 | 538.5 | 573.1 | 605.6 |
| 62.5° | 348.3 | 354.5 | 362.5 | 373.6 | 388.9 | 411.3 | 439.0 | 464.8 | 494.3 | 524.4 | 548.6 |
| 65° | 300.0 | 304.9 | 311.1 | 321.5 | 336.0 | 356.0 | 378.8 | 398.9 | 425.2 | 447.3 | 469.4 |
| 67.5° | 247.1 | 256.3 | 264.5 | 272.9 | 285.2 | 303.9 | 320.4 | 339.6 | 357.4 | 373.9 | 394.0 |
| 70° | 212.2 | 222.6 | 230.2 | 239.2 | 250.9 | 266.8 | 282.7 | 295.9 | 310.4 | 326.3 | 344.3 |
| 72.5° | 182.9 | 191.1 | 197.0 | 206.6 | 217.2 | 232.0 | 246.8 | 257.7 | 269.5 | 280.4 | 297.8 |
| 75° | 144.5 | 147.9 | 152.1 | 159.7 | 169.4 | 180.4 | 192.2 | 201.9 | 208.8 | 218.5 | 230.9 |
| 77.5° | 103.8 | 110.5 | 113.2 | 118.6 | 125.5 | 132.5 | 140.2 | 148.4 | 155.0 | 158.4 | 168.0 |
| 80° | 79.5 | 82.3 | 85.0 | 92.6 | 96.8 | 103.7 | 109.2 | 116.8 | 119.6 | 123.1 | 132.0 |
| 82.5° | 61.8 | 63.5 | 65.1 | 67.2 | 69.7 | 76.6 | 82.1 | 87.0 | 89.7 | 91.0 | 97.8 |
| 85° | 35.9 | 36.6 | 37.3 | 38.0 | 38.7 | 38.7 | 41.5 | 44.9 | 49.8 | 49.8 | 51.8 |
| 87.5° | 16.8 | 17.1 | 16.8 | 15.8 | 16.6 | 16.2 | 16.4 | 15.9 | 17.1 | 18.2 | 19.4 |
| 90° | 23.3 | 22.0 | 20.2 | 18.4 | 16.6 | 14.9 | 12.8 | 10.3 | 7.9 | 5.4 | 3.0 |
| 92.5° | 22.5 | 21.2 | 19.4 | 17.6 | 15.8 | 14.1 | 13.1 | 13.0 | 12.8 | 12.7 | 12.6 |
| 95° | 23.3 | 22.0 | 21.7 | 21.5 | 21.3 | 21.1 | 24.7 | 32.3 | 39.8 | 47.4 | 54.9 |
| 97.5° | 26.5 | 26.4 | 51.1 | 75.9 | 100.6 | 125.4 | 135.4 | 130.7 | 126.0 | 121.3 | 116.6 |
| 100° | 40.2 | 43.9 | 74.5 | 105.2 | 135.8 | 166.4 | 179.7 | 175.7 | 171.7 | 167.7 | 163.7 |
| 102.5° | 170.9 | 211.6 | 215.6 | 219.6 | 223.6 | 227.6 | 228.1 | 225.2 | 222.3 | 219.4 | 216.4 |
| 105° | 313.5 | 311.5 | 310.4 | 309.2 | 308.1 | 307.0 | 305.8 | 304.5 | 303.1 | 301.8 | 300.5 |
| 107.5° | 389.3 | 388.3 | 386.8 | 385.3 | 383.8 | 382.3 | 381.2 | 380.5 | 379.9 | 379.2 | 378.5 |
| 110° | 440.7 | 440.2 | 438.9 | 437.6 | 436.2 | 434.9 | 433.9 | 433.2 | 432.6 | 431.9 | 431.3 |



TEST NUMBER: P332973

CATALOG NUMBER: SA4XXRDIP-C1020D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 490.5 | 490.5 | 489.9 | 489.3 | 488.7 | 488.1 | 487.2 | 486.0 | 484.8 | 483.6 | 482.4 |
| 115° | 563.5 | 563.0 | 563.2 | 563.5 | 563.7 | 563.9 | 563.7 | 563.0 | 562.4 | 561.7 | 561.0 |
| 117.5° | 638.0 | 638.1 | 637.6 | 637.1 | 636.6 | 636.1 | 635.5 | 634.6 | 633.7 | 632.8 | 631.9 |
| 120° | 683.3 | 682.8 | 683.0 | 683.3 | 683.5 | 683.7 | 683.4 | 682.5 | 681.6 | 680.7 | 679.8 |
| 122.5° | 728.6 | 728.3 | 728.0 | 727.7 | 727.4 | 727.1 | 726.7 | 726.1 | 725.6 | 725.1 | 724.5 |
| 125° | 791.3 | 790.6 | 791.1 | 791.5 | 792.0 | 792.4 | 792.2 | 791.3 | 790.4 | 789.5 | 788.6 |
| 127.5° | 854.8 | 854.9 | 853.9 | 852.9 | 851.9 | 850.8 | 850.2 | 850.0 | 849.8 | 849.5 | 849.3 |
| 130° | 892.7 | 892.5 | 891.8 | 891.1 | 890.5 | 889.8 | 889.3 | 889.1 | 888.9 | 888.7 | 888.5 |
| 132.5° | 930.2 | 930.0 | 929.1 | 928.3 | 927.5 | 926.6 | 926.0 | 925.6 | 925.2 | 924.8 | 924.4 |
| 135° | 981.7 | 981.3 | 980.4 | 979.5 | 978.6 | 977.7 | 977.4 | 977.6 | 977.9 | 978.1 | 978.3 |
| 137.5° | 1031.3 | 1030.8 | 1029.8 | 1028.9 | 1027.9 | 1026.9 | 1026.4 | 1026.3 | 1026.2 | 1026.1 | 1026.0 |
| 140° | 1061.8 | 1061.2 | 1060.7 | 1060.3 | 1059.8 | 1059.4 | 1058.9 | 1058.5 | 1058.1 | 1057.6 | 1057.2 |
| 142.5° | 1090.4 | 1089.9 | 1089.6 | 1089.4 | 1089.1 | 1088.8 | 1088.3 | 1087.5 | 1086.7 | 1085.9 | 1085.1 |
| 145° | 1131.3 | 1131.0 | 1131.0 | 1131.0 | 1131.0 | 1131.0 | 1130.7 | 1130.0 | 1129.4 | 1128.7 | 1128.0 |
| 147.5° | 1167.0 | 1166.8 | 1167.0 | 1167.2 | 1167.4 | 1167.7 | 1167.2 | 1165.9 | 1164.7 | 1163.4 | 1162.2 |
| 150° | 1189.9 | 1189.9 | 1190.2 | 1190.4 | 1190.6 | 1190.8 | 1190.5 | 1189.6 | 1188.7 | 1187.8 | 1186.9 |
| 152.5° | 1209.5 | 1209.1 | 1209.5 | 1209.9 | 1210.3 | 1210.7 | 1210.5 | 1209.8 | 1209.1 | 1208.4 | 1207.7 |
| 155° | 1235.7 | 1234.9 | 1235.5 | 1236.2 | 1236.9 | 1237.5 | 1237.7 | 1237.5 | 1237.3 | 1237.1 | 1236.9 |
| 157.5° | 1258.6 | 1257.4 | 1258.2 | 1258.9 | 1259.7 | 1260.4 | 1260.9 | 1261.0 | 1261.1 | 1261.3 | 1261.4 |
| 160° | 1273.1 | 1271.8 | 1272.0 | 1272.2 | 1272.5 | 1272.7 | 1273.1 | 1273.8 | 1274.5 | 1275.1 | 1275.8 |
| 162.5° | 1285.1 | 1283.8 | 1284.0 | 1284.2 | 1284.4 | 1284.7 | 1285.2 | 1286.0 | 1286.9 | 1287.7 | 1288.6 |
| 165° | 1301.5 | 1299.7 | 1299.7 | 1299.7 | 1299.7 | 1299.7 | 1300.3 | 1301.4 | 1302.5 | 1303.6 | 1304.7 |
| 167.5° | 1313.7 | 1311.7 | 1311.9 | 1312.0 | 1312.1 | 1312.3 | 1312.9 | 1314.1 | 1315.2 | 1316.4 | 1317.5 |
| 170° | 1321.5 | 1319.7 | 1319.5 | 1319.3 | 1319.0 | 1318.8 | 1319.4 | 1320.7 | 1322.0 | 1323.4 | 1324.7 |
| 172.5° | 1326.3 | 1324.5 | 1324.3 | 1324.1 | 1323.8 | 1323.6 | 1324.2 | 1325.5 | 1326.8 | 1328.2 | 1329.5 |
| 175° | 1331.7 | 1329.7 | 1329.5 | 1329.3 | 1329.0 | 1328.8 | 1329.4 | 1330.7 | 1332.0 | 1333.4 | 1334.7 |
| 177.5° | 1334.5 | 1333.1 | 1332.7 | 1332.4 | 1332.0 | 1331.7 | 1332.1 | 1333.4 | 1334.6 | 1335.8 | 1337.1 |
| 180° | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 |



TEST NUMBER: P332973

CATALOG NUMBER: SA4XXRDIP-C1020D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 |
| 2.5° | 1726.3 | 1731.3 | 1736.8 | 1747.3 | 1756.2 | 1760.1 | 1767.8 | 1773.3 | 1771.7 | 1779.4 | 1792.7 |
| 5° | 1733.1 | 1751.8 | 1773.2 | 1795.3 | 1820.2 | 1840.9 | 1857.5 | 1874.1 | 1887.3 | 1903.2 | 1926.7 |
| 7.5° | 1732.0 | 1765.2 | 1801.3 | 1840.9 | 1881.7 | 1917.0 | 1949.6 | 1982.8 | 2012.2 | 2044.5 | 2086.6 |
| 10° | 1727.6 | 1771.8 | 1816.7 | 1868.6 | 1920.4 | 1969.5 | 2013.8 | 2055.2 | 2094.7 | 2136.8 | 2190.1 |
| 12.5° | 1722.6 | 1773.5 | 1827.8 | 1890.2 | 1954.7 | 2013.8 | 2065.8 | 2125.5 | 2174.8 | 2229.2 | 2290.7 |
| 15° | 1700.6 | 1769.0 | 1843.0 | 1923.9 | 2001.3 | 2080.8 | 2152.0 | 2225.3 | 2293.7 | 2358.7 | 2436.2 |
| 17.5° | 1675.4 | 1754.4 | 1841.6 | 1937.2 | 2030.2 | 2126.9 | 2211.3 | 2303.7 | 2373.7 | 2460.9 | 2532.8 |
| 20° | 1655.0 | 1740.0 | 1833.3 | 1940.5 | 2046.3 | 2153.4 | 2246.7 | 2340.8 | 2419.6 | 2507.4 | 2598.6 |
| 22.5° | 1630.1 | 1723.4 | 1824.5 | 1935.5 | 2046.3 | 2163.4 | 2266.6 | 2360.1 | 2457.7 | 2556.6 | 2650.6 |
| 25° | 1590.0 | 1686.8 | 1793.9 | 1915.6 | 2042.8 | 2162.4 | 2273.0 | 2389.1 | 2494.2 | 2601.4 | 2685.7 |
| 27.5° | 1540.8 | 1642.4 | 1755.4 | 1880.9 | 2011.4 | 2133.9 | 2264.2 | 2387.9 | 2493.7 | 2596.8 | 2670.4 |
| 30° | 1501.5 | 1608.7 | 1717.2 | 1844.4 | 1979.9 | 2111.2 | 2250.9 | 2374.6 | 2485.9 | 2578.6 | 2620.0 |
| 32.5° | 1461.1 | 1562.8 | 1674.6 | 1803.5 | 1942.3 | 2083.6 | 2222.1 | 2348.6 | 2451.6 | 2507.2 | 2508.3 |
| 35° | 1390.9 | 1486.3 | 1602.4 | 1729.0 | 1871.4 | 2024.8 | 2165.2 | 2289.6 | 2352.5 | 2357.3 | 2289.6 |
| 37.5° | 1314.3 | 1401.8 | 1511.5 | 1638.1 | 1794.1 | 1946.7 | 2090.1 | 2173.0 | 2194.1 | 2123.7 | 1998.4 |
| 40° | 1259.6 | 1340.4 | 1446.2 | 1576.2 | 1731.0 | 1888.6 | 2019.3 | 2080.1 | 2058.0 | 1943.9 | 1804.3 |
| 42.5° | 1202.0 | 1277.4 | 1379.3 | 1507.6 | 1663.0 | 1822.3 | 1933.6 | 1966.2 | 1907.6 | 1775.8 | 1612.4 |
| 45° | 1108.2 | 1177.3 | 1278.2 | 1407.5 | 1556.8 | 1706.1 | 1790.5 | 1773.9 | 1676.4 | 1520.2 | 1337.0 |
| 47.5° | 1010.4 | 1077.2 | 1168.0 | 1287.6 | 1440.5 | 1569.4 | 1626.5 | 1576.5 | 1437.8 | 1265.9 | 1116.9 |
| 50° | 945.7 | 1014.1 | 1097.8 | 1211.9 | 1351.5 | 1475.9 | 1512.6 | 1436.5 | 1282.4 | 1117.1 | 980.3 |
| 52.5° | 882.1 | 940.6 | 1022.6 | 1132.8 | 1266.3 | 1371.4 | 1390.9 | 1303.2 | 1144.1 | 996.0 | 874.6 |
| 55° | 785.3 | 838.6 | 907.7 | 1011.4 | 1126.8 | 1216.0 | 1205.6 | 1093.0 | 948.5 | 822.0 | 726.6 |
| 57.5° | 691.7 | 731.8 | 795.7 | 892.9 | 994.2 | 1054.1 | 1016.2 | 920.1 | 785.5 | 681.9 | 601.4 |
| 60° | 629.8 | 667.1 | 726.6 | 811.6 | 900.8 | 934.6 | 902.8 | 798.5 | 692.0 | 597.3 | 529.5 |
| 62.5° | 571.2 | 604.1 | 655.2 | 734.2 | 806.2 | 826.2 | 792.2 | 701.1 | 605.2 | 524.3 | 468.2 |
| 65° | 486.0 | 516.4 | 560.0 | 616.0 | 665.7 | 675.4 | 653.3 | 560.0 | 487.4 | 419.6 | 380.9 |
| 67.5° | 408.7 | 428.6 | 462.6 | 511.0 | 537.4 | 543.1 | 500.4 | 441.7 | 377.7 | 336.1 | 306.9 |
| 70° | 356.7 | 370.5 | 402.3 | 428.6 | 450.0 | 450.7 | 411.3 | 364.3 | 315.2 | 281.4 | 259.9 |
| 72.5° | 306.4 | 319.7 | 343.7 | 361.7 | 378.1 | 372.8 | 336.7 | 299.6 | 259.9 | 234.4 | 218.5 |
| 75° | 236.4 | 248.2 | 260.6 | 268.9 | 268.9 | 262.0 | 235.7 | 208.1 | 185.3 | 170.1 | 165.2 |
| 77.5° | 171.9 | 181.5 | 185.7 | 184.4 | 182.0 | 171.2 | 154.6 | 136.5 | 128.3 | 121.1 | 117.5 |
| 80° | 134.8 | 139.0 | 140.3 | 136.9 | 132.7 | 120.3 | 109.2 | 101.6 | 94.0 | 91.3 | 89.9 |
| 82.5° | 100.0 | 103.6 | 100.0 | 100.9 | 91.8 | 81.6 | 75.5 | 72.9 | 69.7 | 68.6 | 67.2 |
| 85° | 53.2 | 52.5 | 51.2 | 47.7 | 41.5 | 40.1 | 39.4 | 38.7 | 37.3 | 38.0 | 36.6 |
| 87.5° | 19.3 | 18.2 | 16.4 | 16.4 | 16.8 | 16.0 | 17.0 | 17.3 | 17.7 | 17.4 | 18.8 |
| 90° | 5.4 | 7.9 | 10.3 | 12.8 | 14.9 | 16.6 | 18.4 | 20.2 | 22.0 | 23.3 | 24.6 |
| 92.5° | 12.7 | 12.8 | 13.0 | 13.1 | 14.1 | 15.8 | 17.6 | 19.4 | 21.2 | 22.5 | 23.8 |
| 95° | 47.4 | 39.8 | 32.3 | 24.7 | 21.1 | 21.3 | 21.5 | 21.7 | 22.0 | 23.3 | 24.6 |
| 97.5° | 121.3 | 126.0 | 130.7 | 135.4 | 125.4 | 100.6 | 75.9 | 51.1 | 26.4 | 26.5 | 26.6 |
| 100° | 167.7 | 171.7 | 175.7 | 179.7 | 166.4 | 135.8 | 105.2 | 74.5 | 43.9 | 40.2 | 36.4 |
| 102.5° | 219.4 | 222.3 | 225.2 | 228.1 | 227.6 | 223.6 | 219.6 | 215.6 | 211.6 | 170.9 | 130.3 |
| 105° | 301.8 | 303.1 | 304.5 | 305.8 | 307.0 | 308.1 | 309.2 | 310.4 | 311.5 | 313.5 | 315.5 |
| 107.5° | 379.2 | 379.9 | 380.5 | 381.2 | 382.3 | 383.8 | 385.3 | 386.8 | 388.3 | 389.3 | 390.3 |
| 110° | 431.9 | 432.6 | 433.2 | 433.9 | 434.9 | 436.2 | 437.6 | 438.9 | 440.2 | 440.7 | 441.1 |



TEST NUMBER: P332973

CATALOG NUMBER: SA4XXRDIP-C1020D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 483.6 | 484.8 | 486.0 | 487.2 | 488.1 | 488.7 | 489.3 | 489.9 | 490.5 | 490.5 | 490.4 |
| 115° | 561.7 | 562.4 | 563.0 | 563.7 | 563.9 | 563.7 | 563.5 | 563.2 | 563.0 | 563.5 | 563.9 |
| 117.5° | 632.8 | 633.7 | 634.6 | 635.5 | 636.1 | 636.6 | 637.1 | 637.6 | 638.1 | 638.0 | 637.9 |
| 120° | 680.7 | 681.6 | 682.5 | 683.4 | 683.7 | 683.5 | 683.3 | 683.0 | 682.8 | 683.3 | 683.7 |
| 122.5° | 725.1 | 725.6 | 726.1 | 726.7 | 727.1 | 727.4 | 727.7 | 728.0 | 728.3 | 728.6 | 728.9 |
| 125° | 789.5 | 790.4 | 791.3 | 792.2 | 792.4 | 792.0 | 791.5 | 791.1 | 790.6 | 791.3 | 792.0 |
| 127.5° | 849.5 | 849.8 | 850.0 | 850.2 | 850.8 | 851.9 | 852.9 | 853.9 | 854.9 | 854.8 | 854.7 |
| 130° | 888.7 | 888.9 | 889.1 | 889.3 | 889.8 | 890.5 | 891.1 | 891.8 | 892.5 | 892.7 | 892.9 |
| 132.5° | 924.8 | 925.2 | 925.6 | 926.0 | 926.6 | 927.5 | 928.3 | 929.1 | 930.0 | 930.2 | 930.4 |
| 135° | 978.1 | 977.9 | 977.6 | 977.4 | 977.7 | 978.6 | 979.5 | 980.4 | 981.3 | 981.7 | 982.2 |
| 137.5° | 1026.1 | 1026.2 | 1026.3 | 1026.4 | 1026.9 | 1027.9 | 1028.9 | 1029.8 | 1030.8 | 1031.3 | 1031.8 |
| 140° | 1057.6 | 1058.1 | 1058.5 | 1058.9 | 1059.4 | 1059.8 | 1060.3 | 1060.7 | 1061.2 | 1061.8 | 1062.5 |
| 142.5° | 1085.9 | 1086.7 | 1087.5 | 1088.3 | 1088.8 | 1089.1 | 1089.4 | 1089.6 | 1089.9 | 1090.4 | 1090.9 |
| 145° | 1128.7 | 1129.4 | 1130.0 | 1130.7 | 1131.0 | 1131.0 | 1131.0 | 1131.0 | 1131.0 | 1131.3 | 1131.5 |
| 147.5° | 1163.4 | 1164.7 | 1165.9 | 1167.2 | 1167.7 | 1167.4 | 1167.2 | 1167.0 | 1166.8 | 1167.0 | 1167.1 |
| 150° | 1187.8 | 1188.7 | 1189.6 | 1190.5 | 1190.8 | 1190.6 | 1190.4 | 1190.2 | 1189.9 | 1189.9 | 1189.9 |
| 152.5° | 1208.4 | 1209.1 | 1209.8 | 1210.5 | 1210.7 | 1210.3 | 1209.9 | 1209.5 | 1209.1 | 1209.5 | 1209.8 |
| 155° | 1237.1 | 1237.3 | 1237.5 | 1237.7 | 1237.5 | 1236.9 | 1236.2 | 1235.5 | 1234.9 | 1235.7 | 1236.6 |
| 157.5° | 1261.3 | 1261.1 | 1261.0 | 1260.9 | 1260.4 | 1259.7 | 1258.9 | 1258.2 | 1257.4 | 1258.6 | 1259.7 |
| 160° | 1275.1 | 1274.5 | 1273.8 | 1273.1 | 1272.7 | 1272.5 | 1272.2 | 1272.0 | 1271.8 | 1273.1 | 1274.5 |
| 162.5° | 1287.7 | 1286.9 | 1286.0 | 1285.2 | 1284.7 | 1284.4 | 1284.2 | 1284.0 | 1283.8 | 1285.1 | 1286.4 |
| 165° | 1303.6 | 1302.5 | 1301.4 | 1300.3 | 1299.7 | 1299.7 | 1299.7 | 1299.7 | 1299.7 | 1301.5 | 1303.3 |
| 167.5° | 1316.4 | 1315.2 | 1314.1 | 1312.9 | 1312.3 | 1312.1 | 1312.0 | 1311.9 | 1311.7 | 1313.7 | 1315.6 |
| 170° | 1323.4 | 1322.0 | 1320.7 | 1319.4 | 1318.8 | 1319.0 | 1319.3 | 1319.5 | 1319.7 | 1321.5 | 1323.3 |
| 172.5° | 1328.2 | 1326.8 | 1325.5 | 1324.2 | 1323.6 | 1323.8 | 1324.1 | 1324.3 | 1324.5 | 1326.3 | 1328.1 |
| 175° | 1333.4 | 1332.0 | 1330.7 | 1329.4 | 1328.8 | 1329.0 | 1329.3 | 1329.5 | 1329.7 | 1331.7 | 1333.7 |
| 177.5° | 1335.8 | 1334.6 | 1333.4 | 1332.1 | 1331.7 | 1332.0 | 1332.4 | 1332.7 | 1333.1 | 1334.5 | 1335.9 |
| 180° | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 |



TEST NUMBER: P332973

CATALOG NUMBER: SA4XXRDIP-C1020D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 | 1715.8 |
| 2.5° | 1799.9 | 1802.1 | 1803.8 | 1809.3 | 1809.8 | 1814.8 | 1809.8 |
| 5° | 1948.8 | 1958.5 | 1973.7 | 1988.9 | 1990.3 | 1999.9 | 1982.7 |
| 7.5° | 2115.8 | 2138.2 | 2152.2 | 2176.8 | 2186.5 | 2192.5 | 2182.6 |
| 10° | 2230.8 | 2251.6 | 2288.2 | 2306.2 | 2324.2 | 2326.9 | 2318.6 |
| 12.5° | 2342.0 | 2374.9 | 2403.8 | 2437.8 | 2437.0 | 2461.3 | 2452.5 |
| 15° | 2490.1 | 2524.0 | 2564.0 | 2602.1 | 2615.9 | 2615.9 | 2627.0 |
| 17.5° | 2595.7 | 2657.8 | 2699.3 | 2729.1 | 2761.8 | 2767.4 | 2763.6 |
| 20° | 2667.1 | 2734.1 | 2778.4 | 2817.1 | 2839.2 | 2845.4 | 2845.4 |
| 22.5° | 2720.1 | 2777.2 | 2820.4 | 2855.2 | 2873.5 | 2880.8 | 2878.6 |
| 25° | 2756.9 | 2806.0 | 2832.3 | 2842.6 | 2847.5 | 2846.1 | 2833.0 |
| 27.5° | 2706.6 | 2704.4 | 2687.8 | 2656.0 | 2632.1 | 2617.6 | 2601.0 |
| 30° | 2610.4 | 2574.4 | 2532.9 | 2487.3 | 2428.6 | 2383.6 | 2369.8 |
| 32.5° | 2467.1 | 2386.4 | 2316.1 | 2240.1 | 2176.9 | 2132.0 | 2113.2 |
| 35° | 2190.1 | 2062.2 | 1957.8 | 1866.5 | 1800.2 | 1758.7 | 1744.9 |
| 37.5° | 1861.3 | 1737.5 | 1608.3 | 1519.8 | 1464.7 | 1422.8 | 1407.2 |
| 40° | 1652.2 | 1517.4 | 1404.7 | 1321.8 | 1265.1 | 1224.3 | 1223.6 |
| 42.5° | 1461.4 | 1332.7 | 1226.7 | 1166.9 | 1105.8 | 1078.8 | 1078.7 |
| 45° | 1196.6 | 1093.6 | 1003.8 | 956.8 | 920.1 | 898.0 | 891.8 |
| 47.5° | 990.8 | 905.6 | 845.7 | 808.3 | 778.4 | 764.3 | 755.2 |
| 50° | 875.2 | 800.5 | 752.8 | 720.3 | 703.7 | 685.8 | 684.4 |
| 52.5° | 779.0 | 718.7 | 681.5 | 655.1 | 634.1 | 623.3 | 623.6 |
| 55° | 654.7 | 607.0 | 580.7 | 560.6 | 544.1 | 535.8 | 532.3 |
| 57.5° | 551.5 | 515.7 | 496.6 | 478.2 | 471.2 | 464.7 | 462.9 |
| 60° | 487.4 | 463.2 | 445.2 | 430.7 | 420.3 | 418.2 | 417.5 |
| 62.5° | 434.3 | 409.0 | 396.5 | 385.3 | 377.7 | 374.5 | 373.3 |
| 65° | 358.1 | 339.4 | 328.4 | 319.4 | 316.6 | 311.8 | 311.1 |
| 67.5° | 288.7 | 277.5 | 270.2 | 263.9 | 260.2 | 259.9 | 259.9 |
| 70° | 246.1 | 239.9 | 233.7 | 230.2 | 228.1 | 226.7 | 226.7 |
| 72.5° | 209.6 | 205.0 | 199.9 | 198.1 | 197.7 | 196.3 | 195.8 |
| 75° | 159.7 | 154.9 | 155.5 | 152.1 | 149.3 | 145.9 | 143.8 |
| 77.5° | 113.2 | 109.8 | 109.1 | 108.7 | 106.3 | 105.9 | 107.0 |
| 80° | 87.8 | 84.3 | 83.6 | 84.3 | 83.6 | 81.6 | 81.6 |
| 82.5° | 66.8 | 63.9 | 63.2 | 62.8 | 62.1 | 62.8 | 61.7 |
| 85° | 35.9 | 34.6 | 34.6 | 34.6 | 35.9 | 35.3 | 34.6 |
| 87.5° | 17.9 | 17.6 | 18.4 | 17.9 | 18.0 | 17.5 | 18.2 |
| 90° | 26.0 | 27.3 | 28.2 | 28.6 | 29.1 | 29.5 | 29.9 |
| 92.5° | 25.2 | 26.5 | 27.2 | 27.3 | 27.4 | 27.5 | 27.6 |
| 95° | 26.0 | 27.3 | 28.1 | 28.3 | 28.5 | 28.7 | 28.9 |
| 97.5° | 26.8 | 26.9 | 27.1 | 27.3 | 27.5 | 27.7 | 28.0 |
| 100° | 32.6 | 28.8 | 27.1 | 27.3 | 27.5 | 27.7 | 28.0 |
| 102.5° | 89.6 | 48.9 | 28.6 | 28.6 | 28.7 | 28.7 | 28.8 |
| 105° | 317.4 | 319.4 | 316.5 | 308.5 | 300.5 | 292.5 | 284.5 |
| 107.5° | 391.3 | 392.2 | 393.1 | 394.0 | 394.8 | 395.7 | 396.5 |
| 110° | 441.6 | 442.0 | 442.6 | 443.2 | 443.9 | 444.6 | 445.2 |



TEST NUMBER: P332973

CATALOG NUMBER: SA4XXRDIP-C1020D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 490.3 | 490.2 | 490.6 | 491.4 | 492.3 | 493.1 | 493.9 |
| 115° | 564.4 | 564.8 | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 |
| 117.5° | 637.8 | 637.7 | 637.7 | 637.6 | 637.5 | 637.4 | 637.3 |
| 120° | 684.1 | 684.6 | 684.6 | 684.1 | 683.7 | 683.3 | 682.8 |
| 122.5° | 729.1 | 729.4 | 729.3 | 728.9 | 728.4 | 728.0 | 727.5 |
| 125° | 792.6 | 793.3 | 793.7 | 794.0 | 794.2 | 794.4 | 794.6 |
| 127.5° | 854.5 | 854.4 | 854.2 | 854.1 | 853.9 | 853.7 | 853.5 |
| 130° | 893.1 | 893.3 | 893.5 | 893.5 | 893.5 | 893.5 | 893.5 |
| 132.5° | 930.7 | 930.9 | 930.9 | 930.7 | 930.5 | 930.4 | 930.2 |
| 135° | 982.6 | 983.1 | 983.5 | 984.0 | 984.4 | 984.8 | 985.3 |
| 137.5° | 1032.3 | 1032.8 | 1032.9 | 1032.8 | 1032.7 | 1032.5 | 1032.4 |
| 140° | 1063.2 | 1063.8 | 1064.3 | 1064.5 | 1064.7 | 1064.9 | 1065.2 |
| 142.5° | 1091.4 | 1091.9 | 1092.1 | 1092.2 | 1092.2 | 1092.3 | 1092.3 |
| 145° | 1131.7 | 1131.9 | 1132.3 | 1132.7 | 1133.1 | 1133.6 | 1134.0 |
| 147.5° | 1167.3 | 1167.5 | 1167.7 | 1167.9 | 1168.1 | 1168.4 | 1168.6 |
| 150° | 1189.9 | 1189.9 | 1190.0 | 1190.3 | 1190.5 | 1190.7 | 1190.9 |
| 152.5° | 1210.2 | 1210.5 | 1210.6 | 1210.5 | 1210.4 | 1210.2 | 1210.1 |
| 155° | 1237.5 | 1238.4 | 1238.5 | 1237.9 | 1237.2 | 1236.5 | 1235.9 |
| 157.5° | 1260.9 | 1262.0 | 1262.0 | 1260.9 | 1259.7 | 1258.6 | 1257.4 |
| 160° | 1275.8 | 1277.1 | 1277.1 | 1275.8 | 1274.5 | 1273.1 | 1271.8 |
| 162.5° | 1287.8 | 1289.1 | 1289.0 | 1287.5 | 1286.0 | 1284.5 | 1283.0 |
| 165° | 1305.1 | 1306.8 | 1306.7 | 1304.7 | 1302.7 | 1300.7 | 1298.7 |
| 167.5° | 1317.6 | 1319.5 | 1319.4 | 1317.2 | 1315.0 | 1312.7 | 1310.5 |
| 170° | 1325.0 | 1326.8 | 1326.6 | 1324.4 | 1322.2 | 1319.9 | 1317.7 |
| 172.5° | 1329.8 | 1331.6 | 1331.3 | 1328.9 | 1326.5 | 1324.1 | 1321.7 |
| 175° | 1335.7 | 1337.7 | 1337.3 | 1334.7 | 1332.0 | 1329.4 | 1326.7 |
| 177.5° | 1337.3 | 1338.8 | 1338.4 | 1336.3 | 1334.2 | 1332.0 | 1329.9 |
| 180° | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 |

(END OF REPORT)