

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: P332690-830

Luminaire Tested: **SA4XXDIP-C1195D810U830-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332690-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-C1195D810U830-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1195 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

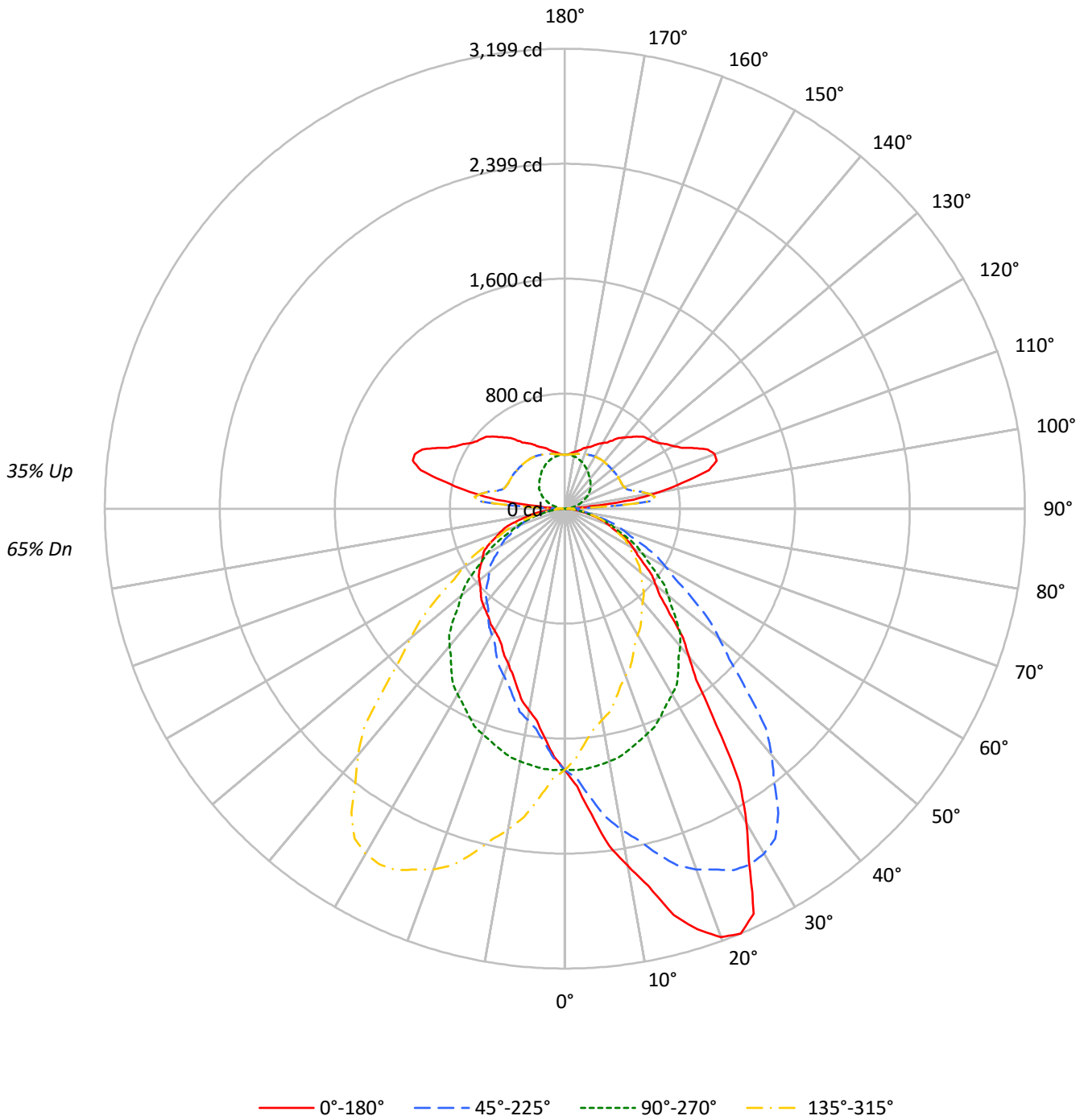
Lumens per Lamp: N/A
Luminaire Lumens: 7742.5 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 60.7
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: P332690-830
CATALOG NUMBER: SA4XXDIP-C1195D810U830-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P332690-830

CATALOG NUMBER: SA4XXDIP-C1195D810U830-4F0-1E-UDD-A4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| RF | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | | 20 | |
| RC | 80 | | | | | 70 | | | | | 50 | | | | | 30 | | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 111 | 111 | 111 | 111 | 104 | 104 | 104 | 104 | 92 | 92 | 92 | 80 | 80 | 80 | 70 | 70 | 70 | 65 | | | | |
| 1 | 101 | 97 | 93 | 90 | 95 | 91 | 88 | 85 | 81 | 78 | 76 | 71 | 69 | 67 | 62 | 61 | 59 | 55 | | | | |
| 2 | 93 | 85 | 79 | 74 | 87 | 80 | 75 | 70 | 71 | 67 | 63 | 63 | 60 | 57 | 55 | 53 | 51 | 47 | | | | |
| 3 | 85 | 75 | 68 | 62 | 79 | 71 | 64 | 59 | 63 | 58 | 54 | 56 | 52 | 48 | 49 | 46 | 43 | 40 | | | | |
| 4 | 78 | 67 | 59 | 53 | 73 | 63 | 56 | 50 | 56 | 51 | 46 | 50 | 45 | 42 | 44 | 40 | 38 | 34 | | | | |
| 5 | 71 | 60 | 51 | 45 | 67 | 57 | 49 | 44 | 51 | 45 | 40 | 45 | 40 | 36 | 40 | 36 | 33 | 30 | | | | |
| 6 | 66 | 54 | 46 | 40 | 62 | 51 | 44 | 38 | 46 | 40 | 35 | 41 | 36 | 32 | 36 | 32 | 29 | 27 | | | | |
| 7 | 61 | 49 | 41 | 35 | 57 | 46 | 39 | 34 | 42 | 35 | 31 | 37 | 32 | 29 | 33 | 29 | 26 | 24 | | | | |
| 8 | 57 | 44 | 36 | 31 | 53 | 42 | 35 | 30 | 38 | 32 | 28 | 34 | 29 | 26 | 30 | 26 | 23 | 21 | | | | |
| 9 | 53 | 41 | 33 | 28 | 50 | 39 | 32 | 27 | 35 | 29 | 25 | 31 | 27 | 23 | 28 | 24 | 21 | 19 | | | | |
| 10 | 50 | 37 | 30 | 25 | 47 | 36 | 29 | 24 | 32 | 27 | 23 | 29 | 24 | 21 | 26 | 22 | 19 | 17 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 14666 | 14666 | 14666 | 14666 |
| 5° | 17271 | 14704 | 12977 | 14704 |
| 10° | 20678 | 14638 | 11684 | 14638 |
| 15° | 24466 | 14491 | 10730 | 14491 |
| 20° | 27244 | 14339 | 9879 | 14339 |
| 25° | 27684 | 14118 | 9291 | 14118 |
| 30° | 23557 | 13904 | 9106 | 13904 |
| 35° | 18111 | 13557 | 9107 | 13557 |
| 40° | 14116 | 13149 | 9278 | 13149 |
| 45° | 11771 | 12536 | 9434 | 12536 |
| 50° | 10359 | 11786 | 9755 | 11786 |
| 55° | 9491 | 10888 | 10148 | 10888 |
| 60° | 8893 | 10085 | 10619 | 10085 |
| 65° | 8281 | 9186 | 11012 | 9186 |
| 70° | 7567 | 8297 | 11261 | 8297 |
| 75° | 6759 | 7299 | 11126 | 7299 |
| 80° | 5667 | 5983 | 10776 | 5983 |
| 85° | 4177 | 4326 | 10319 | 4326 |



TEST NUMBER: P332690-830

CATALOG NUMBER: SA4XXDIP-C1195D810U830-4F0-1E-UDD-A4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 177.0 | 2.3 |
| 10°-20° | 545.5 | 7.0 |
| 20°-30° | 865.0 | 11.2 |
| 30°-40° | 962.7 | 12.4 |
| 40°-50° | 876.3 | 11.3 |
| 50°-60° | 716.1 | 9.2 |
| 60°-70° | 511.2 | 6.6 |
| 70°-80° | 281.5 | 3.6 |
| 80°-90° | 78.9 | 1.0 |
| 90°-100° | 270.9 | 3.5 |
| 100°-110° | 563.9 | 7.3 |
| 110°-120° | 505.1 | 6.5 |
| 120°-130° | 424.9 | 5.5 |
| 130°-140° | 354.3 | 4.6 |
| 140°-150° | 270.6 | 3.5 |
| 150°-160° | 190.2 | 2.5 |
| 160°-170° | 111.9 | 1.4 |
| 170°-180° | 36.4 | 0.5 |
| 0°-30° | 1587.5 | 20.5 |
| 0°-40° | 2550.2 | 32.9 |
| 0°-60° | 4142.6 | 53.5 |
| 0°-90° | 5014.2 | 64.8 |
| 90°-120° | 1340.0 | 17.3 |
| 90°-150° | 2389.7 | 30.9 |
| 90°-180° | 2728.0 | 35.2 |
| 0°-180° | 7742.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1817 | 1817 | 1817 | 1817 | 1817 | |
| 5° | 2131 | 1814 | 1601 | 1814 | 2131 | 217 |
| 15° | 2927 | 1734 | 1284 | 1734 | 2927 | 827 |
| 25° | 3108 | 1585 | 1043 | 1585 | 3108 | 1370 |
| 35° | 1838 | 1376 | 924 | 1376 | 1838 | 1166 |
| 45° | 1031 | 1098 | 826 | 1098 | 1031 | 812 |
| 55° | 674 | 774 | 721 | 774 | 674 | 609 |
| 65° | 434 | 481 | 576 | 481 | 434 | 429 |
| 75° | 217 | 234 | 357 | 234 | 217 | 230 |
| 85° | 45 | 47 | 111 | 47 | 45 | 55 |
| 90° | 16 | 1 | 16 | 1 | 16 | 14 |
| 95° | 180 | 24 | 180 | 24 | 180 | 279 |
| 105° | 1037 | 86 | 1037 | 86 | 1037 | 1025 |
| 115° | 996 | 152 | 996 | 152 | 996 | 988 |
| 125° | 794 | 212 | 794 | 212 | 794 | 722 |
| 135° | 710 | 251 | 710 | 251 | 710 | 548 |
| 145° | 580 | 290 | 580 | 290 | 580 | 368 |
| 155° | 486 | 329 | 486 | 329 | 486 | 227 |
| 165° | 424 | 359 | 424 | 359 | 424 | 121 |
| 175° | 382 | 374 | 382 | 374 | 382 | 37 |
| 180° | 375 | 375 | 375 | 375 | 375 | |



TEST NUMBER: P332690-830

CATALOG NUMBER: SA4XXDIP-C1195D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 |
| 2.5° | 1933.4 | 1932.8 | 1926.8 | 1925.6 | 1921.4 | 1916.0 | 1914.8 | 1905.2 | 1885.8 | 1876.8 | 1874.4 |
| 5° | 2131.2 | 2146.3 | 2126.7 | 2122.9 | 2120.6 | 2095.8 | 2083.0 | 2067.9 | 2033.3 | 2013.1 | 1997.2 |
| 7.5° | 2367.2 | 2369.0 | 2360.4 | 2353.5 | 2334.4 | 2312.7 | 2280.2 | 2245.6 | 2204.3 | 2161.4 | 2129.1 |
| 10° | 2522.5 | 2528.6 | 2518.8 | 2517.2 | 2478.9 | 2454.8 | 2406.6 | 2366.0 | 2319.3 | 2267.4 | 2220.0 |
| 12.5° | 2686.2 | 2677.9 | 2672.9 | 2640.6 | 2633.6 | 2589.6 | 2533.6 | 2491.8 | 2419.9 | 2360.1 | 2297.1 |
| 15° | 2927.3 | 2910.9 | 2900.3 | 2855.9 | 2834.0 | 2773.1 | 2713.7 | 2667.8 | 2573.7 | 2484.2 | 2416.4 |
| 17.5° | 3068.8 | 3085.4 | 3061.0 | 3042.8 | 2986.4 | 2943.7 | 2882.9 | 2786.5 | 2712.9 | 2601.7 | 2516.2 |
| 20° | 3171.2 | 3172.7 | 3159.1 | 3140.4 | 3096.0 | 3041.8 | 2975.5 | 2870.1 | 2782.1 | 2671.5 | 2554.1 |
| 22.5° | 3198.9 | 3199.2 | 3193.4 | 3175.9 | 3142.2 | 3098.3 | 3031.5 | 2943.7 | 2837.0 | 2716.7 | 2599.2 |
| 25° | 3107.9 | 3104.9 | 3111.7 | 3131.3 | 3118.5 | 3104.9 | 3066.6 | 3001.1 | 2901.8 | 2774.6 | 2648.2 |
| 27.5° | 2770.2 | 2791.0 | 2829.2 | 2877.4 | 2923.8 | 2959.1 | 2969.1 | 2955.6 | 2894.1 | 2789.5 | 2657.0 |
| 30° | 2527.1 | 2552.6 | 2581.2 | 2629.3 | 2722.7 | 2776.1 | 2834.8 | 2879.2 | 2854.4 | 2770.9 | 2647.4 |
| 32.5° | 2259.7 | 2266.1 | 2308.5 | 2363.2 | 2448.7 | 2551.6 | 2644.6 | 2734.7 | 2764.7 | 2720.8 | 2617.9 |
| 35° | 1837.7 | 1848.2 | 1894.1 | 1948.3 | 2053.0 | 2178.6 | 2318.6 | 2443.4 | 2546.6 | 2587.9 | 2535.3 |
| 37.5° | 1499.7 | 1529.9 | 1562.3 | 1620.5 | 1712.6 | 1825.8 | 1971.2 | 2132.9 | 2286.5 | 2389.4 | 2406.9 |
| 40° | 1339.5 | 1358.3 | 1381.7 | 1426.1 | 1504.3 | 1615.7 | 1740.6 | 1925.7 | 2089.1 | 2236.6 | 2284.7 |
| 42.5° | 1213.1 | 1224.1 | 1238.4 | 1278.6 | 1338.1 | 1449.0 | 1563.0 | 1725.9 | 1889.8 | 2066.1 | 2146.8 |
| 45° | 1031.0 | 1042.3 | 1066.3 | 1089.7 | 1134.8 | 1211.5 | 1317.7 | 1451.6 | 1616.5 | 1786.5 | 1935.5 |
| 47.5° | 899.5 | 906.6 | 921.0 | 945.9 | 984.3 | 1034.9 | 1121.2 | 1233.1 | 1385.9 | 1551.0 | 1709.8 |
| 50° | 824.8 | 830.8 | 842.1 | 864.7 | 894.0 | 939.1 | 1009.9 | 1114.5 | 1234.2 | 1400.4 | 1556.2 |
| 52.5° | 765.8 | 768.2 | 776.5 | 791.8 | 815.1 | 853.1 | 911.2 | 997.7 | 1108.9 | 1257.2 | 1412.4 |
| 55° | 674.3 | 677.3 | 684.9 | 696.1 | 716.4 | 740.5 | 784.9 | 849.6 | 946.7 | 1075.3 | 1210.0 |
| 57.5° | 599.0 | 601.2 | 607.5 | 611.8 | 628.5 | 648.1 | 682.2 | 728.5 | 802.0 | 911.2 | 1031.4 |
| 60° | 550.8 | 549.3 | 556.9 | 560.6 | 571.9 | 588.5 | 614.8 | 659.2 | 723.2 | 811.2 | 921.9 |
| 62.5° | 503.9 | 501.8 | 508.1 | 513.1 | 519.5 | 533.7 | 555.3 | 590.0 | 641.9 | 721.5 | 817.1 |
| 65° | 433.5 | 430.5 | 434.2 | 440.3 | 446.3 | 453.7 | 469.6 | 500.4 | 541.9 | 599.0 | 672.0 |
| 67.5° | 362.7 | 365.9 | 366.5 | 369.5 | 373.0 | 383.2 | 394.0 | 415.8 | 445.1 | 490.8 | 552.7 |
| 70° | 320.6 | 321.3 | 324.3 | 324.3 | 326.6 | 335.6 | 344.7 | 357.4 | 386.1 | 428.2 | 478.6 |
| 72.5° | 278.4 | 281.6 | 280.4 | 282.8 | 284.5 | 290.5 | 297.1 | 309.2 | 333.7 | 365.0 | 407.6 |
| 75° | 216.7 | 219.0 | 219.0 | 219.7 | 222.0 | 224.2 | 229.5 | 238.6 | 255.9 | 279.2 | 308.5 |
| 77.5° | 158.1 | 158.3 | 159.4 | 162.1 | 162.1 | 165.7 | 169.7 | 176.8 | 185.4 | 201.4 | 219.3 |
| 80° | 121.9 | 123.4 | 122.6 | 124.1 | 124.1 | 127.1 | 128.7 | 137.7 | 141.5 | 152.0 | 166.3 |
| 82.5° | 89.4 | 90.9 | 90.8 | 92.8 | 94.1 | 94.6 | 96.8 | 100.4 | 104.2 | 113.5 | 119.3 |
| 85° | 45.1 | 46.7 | 45.1 | 46.7 | 48.9 | 49.7 | 51.9 | 52.7 | 55.7 | 58.0 | 63.2 |
| 87.5° | 16.3 | 18.2 | 18.3 | 18.8 | 19.8 | 20.5 | 20.8 | 20.1 | 22.3 | 23.1 | 25.3 |
| 90° | 15.5 | 15.5 | 16.2 | 15.5 | 14.7 | 14.7 | 14.0 | 13.3 | 12.5 | 13.3 | 11.8 |
| 92.5° | 56.7 | 56.7 | 59.3 | 63.2 | 71.9 | 86.7 | 109.0 | 144.8 | 194.7 | 233.8 | 204.6 |
| 95° | 179.8 | 189.5 | 202.6 | 225.6 | 261.6 | 333.1 | 431.9 | 546.1 | 617.6 | 600.7 | 453.3 |
| 97.5° | 480.7 | 496.0 | 518.1 | 562.5 | 615.4 | 692.3 | 764.4 | 806.8 | 775.9 | 632.6 | 424.2 |
| 100° | 675.8 | 681.7 | 703.8 | 748.8 | 812.9 | 867.4 | 903.5 | 888.8 | 781.2 | 592.6 | 384.7 |
| 102.5° | 845.6 | 850.4 | 873.6 | 906.3 | 945.6 | 968.3 | 957.8 | 884.7 | 737.0 | 542.4 | 358.2 |
| 105° | 1037.0 | 1041.4 | 1051.7 | 1057.6 | 1056.1 | 1025.9 | 952.9 | 825.5 | 656.7 | 483.4 | 335.4 |
| 107.5° | 1108.0 | 1106.1 | 1098.7 | 1081.9 | 1045.5 | 979.8 | 877.0 | 741.3 | 591.8 | 450.4 | 331.2 |
| 110° | 1109.2 | 1102.6 | 1089.3 | 1058.3 | 1006.0 | 924.9 | 818.0 | 690.6 | 559.4 | 439.2 | 332.3 |



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CATALOG NUMBER: SA4XXDIP-C1195D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 1074.4 | 1063.7 | 1045.1 | 1007.6 | 948.2 | 867.1 | 766.2 | 653.5 | 541.1 | 433.9 | 335.9 |
| 115° | 995.7 | 989.8 | 966.2 | 922.0 | 863.7 | 793.0 | 706.8 | 616.1 | 524.0 | 431.1 | 342.7 |
| 117.5° | 916.0 | 911.3 | 887.5 | 850.4 | 800.7 | 740.6 | 672.9 | 597.9 | 516.3 | 430.4 | 350.0 |
| 120° | 871.1 | 863.0 | 843.9 | 811.4 | 769.4 | 717.1 | 658.2 | 589.6 | 512.2 | 430.4 | 355.2 |
| 122.5° | 835.8 | 827.6 | 811.4 | 783.7 | 748.2 | 702.4 | 648.7 | 582.5 | 507.5 | 429.8 | 360.5 |
| 125° | 794.5 | 790.0 | 776.1 | 754.7 | 725.2 | 684.7 | 633.9 | 570.4 | 499.6 | 429.0 | 368.5 |
| 127.5° | 770.3 | 765.9 | 754.1 | 735.1 | 705.5 | 666.9 | 616.2 | 555.7 | 489.2 | 427.3 | 374.8 |
| 130° | 756.2 | 751.8 | 740.0 | 721.5 | 691.3 | 652.2 | 602.1 | 543.9 | 482.8 | 426.7 | 379.6 |
| 132.5° | 740.3 | 735.8 | 724.6 | 703.8 | 674.2 | 635.2 | 586.2 | 531.5 | 476.8 | 426.1 | 383.7 |
| 135° | 710.5 | 706.1 | 694.3 | 673.6 | 644.1 | 607.3 | 562.3 | 514.4 | 468.0 | 425.3 | 389.8 |
| 137.5° | 673.6 | 668.3 | 658.6 | 638.2 | 610.7 | 577.4 | 539.5 | 499.0 | 460.3 | 425.1 | 393.5 |
| 140° | 647.1 | 641.2 | 630.8 | 614.6 | 588.9 | 557.9 | 524.7 | 490.1 | 456.2 | 424.5 | 396.5 |
| 142.5° | 618.8 | 614.6 | 605.5 | 590.5 | 567.6 | 540.8 | 512.4 | 481.8 | 452.7 | 424.5 | 398.9 |
| 145° | 580.0 | 576.4 | 568.9 | 556.5 | 538.0 | 517.4 | 495.3 | 470.2 | 446.6 | 423.0 | 400.2 |
| 147.5° | 545.6 | 544.3 | 538.8 | 528.0 | 514.4 | 498.2 | 480.5 | 460.6 | 441.2 | 420.4 | 401.0 |
| 150° | 526.2 | 525.5 | 521.0 | 511.5 | 499.6 | 486.4 | 471.6 | 454.7 | 437.1 | 418.6 | 401.0 |
| 152.5° | 508.5 | 507.7 | 505.1 | 497.3 | 487.3 | 476.4 | 462.8 | 448.3 | 432.3 | 415.7 | 399.7 |
| 155° | 485.7 | 485.7 | 483.4 | 477.6 | 470.2 | 461.4 | 450.3 | 438.5 | 425.3 | 411.2 | 397.9 |
| 157.5° | 465.6 | 465.6 | 464.3 | 459.9 | 454.3 | 447.2 | 437.9 | 428.0 | 418.0 | 406.7 | 396.1 |
| 160° | 453.3 | 453.3 | 452.5 | 448.1 | 443.7 | 437.8 | 429.7 | 421.6 | 412.7 | 403.1 | 394.3 |
| 162.5° | 441.5 | 442.1 | 441.3 | 436.9 | 433.7 | 428.4 | 422.0 | 415.1 | 408.0 | 399.6 | 392.6 |
| 165° | 423.8 | 424.5 | 425.3 | 422.3 | 419.3 | 415.7 | 410.5 | 406.0 | 400.2 | 394.3 | 389.2 |
| 167.5° | 409.7 | 410.4 | 410.5 | 408.6 | 407.1 | 404.9 | 400.8 | 397.4 | 393.1 | 389.0 | 385.6 |
| 170° | 401.0 | 401.0 | 401.6 | 401.0 | 399.4 | 397.3 | 394.3 | 392.1 | 388.4 | 385.4 | 383.2 |
| 172.5° | 392.1 | 393.2 | 394.0 | 393.2 | 392.4 | 390.8 | 389.0 | 387.4 | 384.3 | 381.9 | 380.9 |
| 175° | 381.7 | 383.2 | 384.7 | 383.2 | 383.2 | 383.2 | 381.7 | 381.1 | 379.6 | 378.1 | 378.1 |
| 177.5° | 375.7 | 376.9 | 378.1 | 377.5 | 378.1 | 377.5 | 377.5 | 376.9 | 376.3 | 375.7 | 375.7 |
| 180° | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 |



TEST NUMBER: P332690-830

CATALOG NUMBER: SA4XXDIP-C1195D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 |
| 2.5° | 1875.0 | 1866.6 | 1860.6 | 1855.8 | 1842.5 | 1834.7 | 1828.6 | 1820.2 | 1810.6 | 1800.4 | 1787.7 |
| 5° | 1981.4 | 1955.9 | 1937.0 | 1908.5 | 1881.3 | 1858.8 | 1835.4 | 1814.4 | 1788.8 | 1761.0 | 1740.6 |
| 7.5° | 2093.3 | 2055.2 | 2006.4 | 1964.2 | 1916.6 | 1875.2 | 1838.1 | 1800.3 | 1760.8 | 1722.6 | 1687.5 |
| 10° | 2164.3 | 2115.3 | 2061.2 | 1997.2 | 1937.0 | 1883.6 | 1833.9 | 1785.7 | 1739.1 | 1692.4 | 1652.6 |
| 12.5° | 2240.8 | 2179.8 | 2099.7 | 2025.0 | 1957.5 | 1886.0 | 1826.1 | 1767.1 | 1710.8 | 1661.8 | 1615.2 |
| 15° | 2343.4 | 2255.3 | 2162.8 | 2062.7 | 1973.9 | 1890.4 | 1808.4 | 1733.8 | 1670.7 | 1605.9 | 1560.8 |
| 17.5° | 2406.5 | 2297.5 | 2191.7 | 2087.1 | 1979.6 | 1874.2 | 1785.7 | 1699.9 | 1620.7 | 1556.4 | 1499.5 |
| 20° | 2448.0 | 2339.7 | 2207.9 | 2103.4 | 1975.4 | 1867.1 | 1764.7 | 1669.1 | 1586.4 | 1517.9 | 1459.2 |
| 22.5° | 2484.2 | 2358.9 | 2227.2 | 2089.5 | 1962.2 | 1847.2 | 1735.2 | 1639.0 | 1554.4 | 1482.3 | 1426.1 |
| 25° | 2503.7 | 2359.9 | 2217.0 | 2080.0 | 1935.5 | 1799.3 | 1697.7 | 1584.9 | 1494.5 | 1418.5 | 1358.3 |
| 27.5° | 2505.8 | 2352.1 | 2190.4 | 2038.2 | 1889.0 | 1762.2 | 1633.9 | 1533.0 | 1439.3 | 1359.0 | 1301.2 |
| 30° | 2499.2 | 2338.9 | 2165.0 | 2000.3 | 1850.5 | 1712.8 | 1601.4 | 1491.6 | 1396.0 | 1316.2 | 1255.9 |
| 32.5° | 2478.1 | 2311.2 | 2132.5 | 1958.1 | 1802.9 | 1668.2 | 1553.2 | 1448.8 | 1355.7 | 1277.1 | 1213.8 |
| 35° | 2417.2 | 2252.3 | 2061.9 | 1880.6 | 1721.8 | 1585.6 | 1481.8 | 1375.6 | 1282.3 | 1207.9 | 1146.9 |
| 37.5° | 2321.9 | 2172.8 | 1979.3 | 1791.7 | 1635.7 | 1498.9 | 1396.0 | 1300.0 | 1216.0 | 1140.3 | 1077.8 |
| 40° | 2238.8 | 2107.9 | 1913.7 | 1730.8 | 1562.3 | 1432.1 | 1335.8 | 1247.7 | 1164.1 | 1092.7 | 1033.2 |
| 42.5° | 2143.1 | 2029.0 | 1849.9 | 1656.1 | 1493.6 | 1362.8 | 1268.9 | 1189.9 | 1111.2 | 1045.1 | 985.7 |
| 45° | 1972.4 | 1897.1 | 1728.6 | 1549.4 | 1380.2 | 1256.7 | 1167.2 | 1098.0 | 1031.7 | 967.0 | 917.4 |
| 47.5° | 1776.1 | 1738.8 | 1596.9 | 1426.8 | 1266.0 | 1144.4 | 1066.8 | 1002.9 | 944.7 | 889.9 | 846.1 |
| 50° | 1644.3 | 1626.3 | 1503.5 | 1339.5 | 1186.0 | 1071.6 | 993.3 | 938.4 | 888.7 | 840.6 | 799.2 |
| 52.5° | 1514.3 | 1513.6 | 1403.1 | 1252.8 | 1110.8 | 1000.6 | 922.9 | 871.6 | 828.6 | 789.4 | 752.2 |
| 55° | 1315.4 | 1336.5 | 1250.0 | 1116.0 | 988.8 | 889.5 | 819.5 | 773.6 | 743.5 | 711.1 | 683.3 |
| 57.5° | 1132.8 | 1167.8 | 1096.5 | 978.5 | 872.3 | 780.8 | 719.9 | 685.4 | 653.4 | 633.8 | 613.5 |
| 60° | 1013.7 | 1046.8 | 991.1 | 891.7 | 791.6 | 713.4 | 655.4 | 624.6 | 596.7 | 583.2 | 568.9 |
| 62.5° | 907.7 | 937.2 | 896.0 | 803.9 | 717.0 | 641.8 | 592.9 | 563.2 | 544.4 | 529.6 | 520.2 |
| 65° | 756.3 | 781.2 | 745.7 | 678.8 | 604.3 | 544.1 | 504.2 | 480.9 | 462.8 | 456.8 | 446.3 |
| 67.5° | 611.3 | 634.0 | 614.8 | 557.9 | 498.1 | 452.6 | 421.4 | 399.0 | 388.3 | 383.0 | 375.5 |
| 70° | 525.3 | 547.8 | 527.5 | 477.9 | 432.0 | 393.6 | 364.2 | 351.5 | 340.2 | 337.9 | 327.3 |
| 72.5° | 452.4 | 467.8 | 447.4 | 408.6 | 369.4 | 337.0 | 314.2 | 300.9 | 295.0 | 291.0 | 285.2 |
| 75° | 339.4 | 353.0 | 339.4 | 309.2 | 281.4 | 258.9 | 239.3 | 234.0 | 227.2 | 225.0 | 221.2 |
| 77.5° | 240.3 | 251.9 | 241.6 | 222.7 | 202.0 | 184.5 | 174.0 | 167.2 | 165.7 | 161.8 | 163.6 |
| 80° | 183.6 | 191.1 | 181.3 | 168.5 | 152.0 | 140.0 | 132.4 | 128.7 | 124.1 | 122.6 | 125.6 |
| 82.5° | 131.9 | 135.2 | 130.2 | 121.6 | 109.2 | 101.4 | 96.3 | 92.0 | 91.0 | 91.3 | 91.3 |
| 85° | 68.5 | 67.8 | 67.0 | 59.5 | 55.7 | 50.4 | 47.4 | 46.7 | 45.9 | 47.4 | 48.9 |
| 87.5° | 25.0 | 25.5 | 24.0 | 21.7 | 19.7 | 17.7 | 16.7 | 15.8 | 16.7 | 17.7 | 18.5 |
| 90° | 10.3 | 10.3 | 5.9 | 5.9 | 5.2 | 4.4 | 2.2 | 0.8 | 2.2 | 4.4 | 5.2 |
| 92.5° | 148.8 | 91.7 | 54.2 | 38.9 | 28.2 | 19.1 | 12.3 | 8.4 | 12.3 | 19.1 | 28.2 |
| 95° | 277.1 | 156.3 | 92.1 | 61.2 | 43.5 | 33.9 | 26.5 | 24.3 | 26.5 | 33.9 | 43.5 |
| 97.5° | 249.1 | 149.3 | 99.9 | 74.0 | 58.8 | 50.0 | 43.6 | 43.6 | 43.6 | 50.0 | 58.8 |
| 100° | 234.4 | 151.1 | 107.6 | 84.0 | 70.0 | 61.2 | 56.0 | 56.0 | 56.0 | 61.2 | 70.0 |
| 102.5° | 230.3 | 156.9 | 117.6 | 95.2 | 81.8 | 73.5 | 69.0 | 67.8 | 69.0 | 73.5 | 81.8 |
| 105° | 232.1 | 171.0 | 135.6 | 114.2 | 100.9 | 92.1 | 88.4 | 86.2 | 88.4 | 92.1 | 100.9 |
| 107.5° | 243.1 | 187.4 | 155.0 | 133.8 | 121.1 | 111.7 | 108.0 | 106.6 | 108.0 | 111.7 | 121.1 |
| 110° | 251.3 | 199.7 | 167.3 | 147.4 | 134.1 | 125.3 | 121.6 | 120.2 | 121.6 | 125.3 | 134.1 |



TEST NUMBER: P332690-830

CATALOG NUMBER: SA4XXDIP-C1195D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 260.1 | 211.5 | 180.3 | 160.3 | 147.1 | 138.8 | 134.6 | 133.1 | 134.6 | 138.8 | 147.1 |
| 115° | 274.2 | 230.0 | 200.5 | 180.6 | 166.5 | 159.2 | 154.0 | 151.8 | 154.0 | 159.2 | 166.5 |
| 117.5° | 288.4 | 247.8 | 219.8 | 199.2 | 186.1 | 178.0 | 173.3 | 171.3 | 173.3 | 178.0 | 186.1 |
| 120° | 298.5 | 260.1 | 232.1 | 211.5 | 199.0 | 190.9 | 185.7 | 184.3 | 185.7 | 190.9 | 199.0 |
| 122.5° | 307.9 | 271.9 | 243.9 | 223.9 | 210.2 | 202.6 | 197.6 | 196.0 | 197.6 | 202.6 | 210.2 |
| 125° | 322.1 | 288.1 | 261.6 | 241.0 | 227.0 | 218.9 | 214.4 | 211.5 | 214.4 | 218.9 | 227.0 |
| 127.5° | 334.3 | 303.2 | 277.6 | 256.7 | 242.1 | 232.9 | 227.6 | 225.3 | 227.6 | 232.9 | 242.1 |
| 130° | 342.0 | 313.2 | 288.1 | 266.8 | 252.8 | 241.8 | 235.8 | 232.9 | 235.8 | 241.8 | 252.8 |
| 132.5° | 349.6 | 321.5 | 296.4 | 276.3 | 261.1 | 250.6 | 242.9 | 240.5 | 242.9 | 250.6 | 261.1 |
| 135° | 359.7 | 333.1 | 308.8 | 289.6 | 274.2 | 261.6 | 254.3 | 251.3 | 254.3 | 261.6 | 274.2 |
| 137.5° | 366.7 | 342.0 | 319.2 | 301.0 | 284.9 | 273.0 | 264.9 | 262.1 | 264.9 | 273.0 | 284.9 |
| 140° | 371.5 | 347.9 | 325.7 | 308.0 | 292.6 | 280.0 | 271.9 | 269.8 | 271.9 | 280.0 | 292.6 |
| 142.5° | 374.9 | 353.2 | 331.7 | 314.5 | 299.6 | 287.8 | 280.2 | 278.0 | 280.2 | 287.8 | 299.6 |
| 145° | 378.8 | 358.9 | 339.8 | 323.6 | 309.5 | 299.3 | 291.8 | 289.6 | 291.8 | 299.3 | 309.5 |
| 147.5° | 382.2 | 364.9 | 346.9 | 332.2 | 320.6 | 310.0 | 303.5 | 302.7 | 303.5 | 310.0 | 320.6 |
| 150° | 384.0 | 367.8 | 351.6 | 337.5 | 326.5 | 317.6 | 311.8 | 311.0 | 311.8 | 317.6 | 326.5 |
| 152.5° | 385.1 | 370.1 | 355.7 | 342.9 | 333.0 | 324.7 | 318.9 | 318.7 | 318.9 | 324.7 | 333.0 |
| 155° | 386.2 | 373.6 | 361.1 | 350.1 | 342.0 | 334.6 | 330.2 | 329.4 | 330.2 | 334.6 | 342.0 |
| 157.5° | 386.2 | 376.2 | 365.5 | 356.8 | 349.8 | 344.0 | 339.9 | 339.9 | 339.9 | 344.0 | 349.8 |
| 160° | 386.2 | 377.3 | 368.5 | 360.4 | 354.5 | 349.3 | 346.4 | 346.4 | 346.4 | 349.3 | 354.5 |
| 162.5° | 386.2 | 378.5 | 370.2 | 363.9 | 358.6 | 354.0 | 351.7 | 352.3 | 351.7 | 354.0 | 358.6 |
| 165° | 384.7 | 378.8 | 372.2 | 367.8 | 364.1 | 360.4 | 358.9 | 358.9 | 358.9 | 360.4 | 364.1 |
| 167.5° | 383.0 | 378.7 | 373.8 | 370.4 | 368.3 | 365.5 | 364.9 | 365.5 | 364.9 | 365.5 | 368.3 |
| 170° | 381.7 | 378.1 | 374.4 | 372.2 | 370.7 | 368.5 | 367.8 | 368.5 | 367.8 | 368.5 | 370.7 |
| 172.5° | 380.6 | 377.5 | 374.9 | 373.3 | 372.5 | 370.9 | 370.7 | 371.5 | 370.7 | 370.9 | 372.5 |
| 175° | 378.8 | 376.6 | 375.1 | 375.1 | 374.4 | 373.6 | 373.6 | 374.4 | 373.6 | 373.6 | 374.4 |
| 177.5° | 376.9 | 375.7 | 375.1 | 375.1 | 375.1 | 374.6 | 375.1 | 375.7 | 375.1 | 374.6 | 375.1 |
| 180° | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 |



TEST NUMBER: P332690-830
 CATALOG NUMBER: SA4XXDIP-C1195D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 |
| 2.5° | 1781.7 | 1776.3 | 1768.5 | 1757.7 | 1748.6 | 1739.0 | 1736.5 | 1733.0 | 1740.1 | 1734.2 | 1732.3 |
| 5° | 1723.3 | 1707.5 | 1687.2 | 1663.9 | 1650.3 | 1630.8 | 1627.0 | 1619.5 | 1611.9 | 1611.2 | 1603.6 |
| 7.5° | 1661.4 | 1638.2 | 1611.7 | 1587.8 | 1565.8 | 1544.5 | 1530.5 | 1527.5 | 1516.4 | 1509.9 | 1502.3 |
| 10° | 1621.7 | 1593.1 | 1562.3 | 1539.7 | 1514.1 | 1491.6 | 1475.7 | 1466.7 | 1459.2 | 1450.9 | 1443.4 |
| 12.5° | 1574.8 | 1544.4 | 1518.9 | 1494.5 | 1464.1 | 1447.0 | 1421.0 | 1405.3 | 1403.8 | 1403.9 | 1384.4 |
| 15° | 1520.1 | 1490.1 | 1450.9 | 1416.3 | 1399.7 | 1366.6 | 1352.3 | 1334.3 | 1323.0 | 1311.6 | 1302.7 |
| 17.5° | 1457.6 | 1420.2 | 1389.6 | 1349.9 | 1318.3 | 1291.9 | 1273.2 | 1262.3 | 1245.3 | 1229.4 | 1217.8 |
| 20° | 1418.5 | 1378.7 | 1346.3 | 1304.1 | 1269.5 | 1237.2 | 1221.3 | 1206.4 | 1193.5 | 1180.0 | 1167.2 |
| 22.5° | 1378.8 | 1337.1 | 1297.5 | 1256.6 | 1224.4 | 1190.2 | 1175.0 | 1154.5 | 1142.4 | 1134.8 | 1122.0 |
| 25° | 1316.2 | 1271.0 | 1225.9 | 1186.8 | 1153.7 | 1123.5 | 1103.2 | 1087.4 | 1073.8 | 1067.8 | 1059.6 |
| 27.5° | 1248.1 | 1203.3 | 1159.7 | 1115.2 | 1077.6 | 1055.8 | 1039.5 | 1027.7 | 1019.8 | 1011.8 | 1008.1 |
| 30° | 1204.9 | 1158.2 | 1111.5 | 1070.1 | 1035.5 | 1013.7 | 998.6 | 990.3 | 984.3 | 980.5 | 976.8 |
| 32.5° | 1160.8 | 1114.8 | 1065.7 | 1027.9 | 996.9 | 977.5 | 966.1 | 957.8 | 954.8 | 953.5 | 952.2 |
| 35° | 1090.4 | 1043.8 | 998.6 | 964.8 | 935.4 | 927.8 | 918.1 | 913.6 | 912.1 | 917.4 | 919.6 |
| 37.5° | 1022.3 | 978.9 | 937.4 | 904.6 | 885.3 | 874.3 | 871.0 | 871.1 | 876.6 | 881.2 | 886.6 |
| 40° | 978.3 | 936.1 | 897.0 | 868.5 | 850.4 | 843.6 | 842.1 | 845.8 | 851.9 | 857.1 | 863.2 |
| 42.5° | 935.6 | 894.0 | 858.5 | 831.7 | 819.1 | 812.8 | 813.8 | 817.6 | 826.0 | 832.5 | 841.5 |
| 45° | 869.2 | 834.5 | 799.9 | 778.2 | 767.6 | 769.1 | 769.1 | 775.9 | 784.1 | 793.9 | 803.7 |
| 47.5° | 806.7 | 771.8 | 743.4 | 725.0 | 719.5 | 718.2 | 722.5 | 731.3 | 743.2 | 755.3 | 768.9 |
| 50° | 764.6 | 731.5 | 706.6 | 690.0 | 684.1 | 686.4 | 692.3 | 700.6 | 714.9 | 730.0 | 744.2 |
| 52.5° | 721.8 | 691.7 | 668.7 | 653.4 | 649.1 | 653.2 | 659.2 | 672.3 | 684.9 | 701.1 | 718.4 |
| 55° | 655.4 | 629.9 | 611.8 | 600.5 | 599.0 | 601.2 | 608.0 | 622.4 | 640.4 | 660.7 | 677.3 |
| 57.5° | 589.4 | 568.0 | 551.5 | 543.7 | 544.4 | 546.5 | 557.6 | 574.7 | 593.9 | 615.6 | 637.0 |
| 60° | 544.8 | 525.3 | 511.7 | 505.7 | 506.4 | 511.0 | 524.5 | 540.4 | 564.4 | 585.5 | 608.0 |
| 62.5° | 502.7 | 485.5 | 472.6 | 467.2 | 466.1 | 476.1 | 489.0 | 505.4 | 529.5 | 553.0 | 577.3 |
| 65° | 435.0 | 421.4 | 410.9 | 407.8 | 410.1 | 417.6 | 434.2 | 456.0 | 476.4 | 501.1 | 526.8 |
| 67.5° | 368.7 | 357.6 | 350.3 | 351.8 | 354.5 | 365.6 | 379.5 | 398.2 | 421.3 | 447.0 | 472.3 |
| 70° | 326.6 | 316.0 | 310.0 | 310.8 | 315.3 | 328.9 | 340.9 | 359.7 | 384.6 | 410.9 | 432.0 |
| 72.5° | 283.2 | 276.4 | 270.9 | 274.1 | 278.6 | 287.9 | 302.9 | 321.8 | 343.7 | 368.2 | 390.4 |
| 75° | 217.4 | 217.4 | 214.4 | 216.7 | 223.5 | 232.5 | 243.8 | 263.3 | 285.2 | 304.8 | 322.8 |
| 77.5° | 161.4 | 159.7 | 161.6 | 164.4 | 168.2 | 179.0 | 191.9 | 205.9 | 222.3 | 241.9 | 256.7 |
| 80° | 123.4 | 124.1 | 127.9 | 132.4 | 133.9 | 142.2 | 155.8 | 168.5 | 181.3 | 197.9 | 212.3 |
| 82.5° | 92.7 | 93.5 | 95.4 | 101.1 | 102.6 | 111.5 | 120.3 | 133.1 | 144.7 | 155.8 | 167.7 |
| 85° | 50.4 | 50.4 | 54.2 | 56.5 | 60.2 | 66.3 | 71.4 | 79.0 | 89.5 | 97.1 | 108.4 |
| 87.5° | 20.5 | 20.5 | 23.8 | 25.0 | 27.1 | 30.3 | 31.4 | 38.2 | 40.7 | 43.9 | 49.3 |
| 90° | 5.9 | 5.9 | 10.3 | 10.3 | 11.8 | 13.3 | 12.5 | 13.3 | 14.0 | 14.7 | 14.7 |
| 92.5° | 38.9 | 54.2 | 91.7 | 148.8 | 204.6 | 233.8 | 194.7 | 144.8 | 109.0 | 86.7 | 71.9 |
| 95° | 61.2 | 92.1 | 156.3 | 277.1 | 453.3 | 600.7 | 617.6 | 546.1 | 431.9 | 333.1 | 261.6 |
| 97.5° | 74.0 | 99.9 | 149.3 | 249.1 | 424.2 | 632.6 | 775.9 | 806.8 | 764.4 | 692.3 | 615.4 |
| 100° | 84.0 | 107.6 | 151.1 | 234.4 | 384.7 | 592.6 | 781.2 | 888.8 | 903.5 | 867.4 | 812.9 |
| 102.5° | 95.2 | 117.6 | 156.9 | 230.3 | 358.2 | 542.4 | 737.0 | 884.7 | 957.8 | 968.3 | 945.6 |
| 105° | 114.2 | 135.6 | 171.0 | 232.1 | 335.4 | 483.4 | 656.7 | 825.5 | 952.9 | 1025.9 | 1056.1 |
| 107.5° | 133.8 | 155.0 | 187.4 | 243.1 | 331.2 | 450.4 | 591.8 | 741.3 | 877.0 | 979.8 | 1045.5 |
| 110° | 147.4 | 167.3 | 199.7 | 251.3 | 332.3 | 439.2 | 559.4 | 690.6 | 818.0 | 924.9 | 1006.0 |



TEST NUMBER: P332690-830
 CATALOG NUMBER: SA4XXDIP-C1195D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 160.3 | 180.3 | 211.5 | 260.1 | 335.9 | 433.9 | 541.1 | 653.5 | 766.2 | 867.1 | 948.2 |
| 115° | 180.6 | 200.5 | 230.0 | 274.2 | 342.7 | 431.1 | 524.0 | 616.1 | 706.8 | 793.0 | 863.7 |
| 117.5° | 199.2 | 219.8 | 247.8 | 288.4 | 350.0 | 430.4 | 516.3 | 597.9 | 672.9 | 740.6 | 800.7 |
| 120° | 211.5 | 232.1 | 260.1 | 298.5 | 355.2 | 430.4 | 512.2 | 589.6 | 658.2 | 717.1 | 769.4 |
| 122.5° | 223.9 | 243.9 | 271.9 | 307.9 | 360.5 | 429.8 | 507.5 | 582.5 | 648.7 | 702.4 | 748.2 |
| 125° | 241.0 | 261.6 | 288.1 | 322.1 | 368.5 | 429.0 | 499.6 | 570.4 | 633.9 | 684.7 | 725.2 |
| 127.5° | 256.7 | 277.6 | 303.2 | 334.3 | 374.8 | 427.3 | 489.2 | 555.7 | 616.2 | 666.9 | 705.5 |
| 130° | 266.8 | 288.1 | 313.2 | 342.0 | 379.6 | 426.7 | 482.8 | 543.9 | 602.1 | 652.2 | 691.3 |
| 132.5° | 276.3 | 296.4 | 321.5 | 349.6 | 383.7 | 426.1 | 476.8 | 531.5 | 586.2 | 635.2 | 674.2 |
| 135° | 289.6 | 308.8 | 333.1 | 359.7 | 389.8 | 425.3 | 468.0 | 514.4 | 562.3 | 607.3 | 644.1 |
| 137.5° | 301.0 | 319.2 | 342.0 | 366.7 | 393.5 | 425.1 | 460.3 | 499.0 | 539.5 | 577.4 | 610.7 |
| 140° | 308.0 | 325.7 | 347.9 | 371.5 | 396.5 | 424.5 | 456.2 | 490.1 | 524.7 | 557.9 | 588.9 |
| 142.5° | 314.5 | 331.7 | 353.2 | 374.9 | 398.9 | 424.5 | 452.7 | 481.8 | 512.4 | 540.8 | 567.6 |
| 145° | 323.6 | 339.8 | 358.9 | 378.8 | 400.2 | 423.0 | 446.6 | 470.2 | 495.3 | 517.4 | 538.0 |
| 147.5° | 332.2 | 346.9 | 364.9 | 382.2 | 401.0 | 420.4 | 441.2 | 460.6 | 480.5 | 498.2 | 514.4 |
| 150° | 337.5 | 351.6 | 367.8 | 384.0 | 401.0 | 418.6 | 437.1 | 454.7 | 471.6 | 486.4 | 499.6 |
| 152.5° | 342.9 | 355.7 | 370.1 | 385.1 | 399.7 | 415.7 | 432.3 | 448.3 | 462.8 | 476.4 | 487.3 |
| 155° | 350.1 | 361.1 | 373.6 | 386.2 | 397.9 | 411.2 | 425.3 | 438.5 | 450.3 | 461.4 | 470.2 |
| 157.5° | 356.8 | 365.5 | 376.2 | 386.2 | 396.1 | 406.7 | 418.0 | 428.0 | 437.9 | 447.2 | 454.3 |
| 160° | 360.4 | 368.5 | 377.3 | 386.2 | 394.3 | 403.1 | 412.7 | 421.6 | 429.7 | 437.8 | 443.7 |
| 162.5° | 363.9 | 370.2 | 378.5 | 386.2 | 392.6 | 399.6 | 408.0 | 415.1 | 422.0 | 428.4 | 433.7 |
| 165° | 367.8 | 372.2 | 378.8 | 384.7 | 389.2 | 394.3 | 400.2 | 406.0 | 410.5 | 415.7 | 419.3 |
| 167.5° | 370.4 | 373.8 | 378.7 | 383.0 | 385.6 | 389.0 | 393.1 | 397.4 | 400.8 | 404.9 | 407.1 |
| 170° | 372.2 | 374.4 | 378.1 | 381.7 | 383.2 | 385.4 | 388.4 | 392.1 | 394.3 | 397.3 | 399.4 |
| 172.5° | 373.3 | 374.9 | 377.5 | 380.6 | 380.9 | 381.9 | 384.3 | 387.4 | 389.0 | 390.8 | 392.4 |
| 175° | 375.1 | 375.1 | 376.6 | 378.8 | 378.1 | 378.1 | 379.6 | 381.1 | 381.7 | 383.2 | 383.2 |
| 177.5° | 375.1 | 375.1 | 375.7 | 376.9 | 375.7 | 375.7 | 376.3 | 376.9 | 377.5 | 377.5 | 378.1 |
| 180° | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 |



TEST NUMBER: P332690-830

CATALOG NUMBER: SA4XXDIP-C1195D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 |
| 2.5° | 1731.2 | 1729.9 | 1725.7 | 1725.1 | 1725.7 | 1729.9 | 1731.2 | 1732.3 | 1734.2 | 1740.1 | 1733.0 |
| 5° | 1599.1 | 1595.3 | 1593.1 | 1601.4 | 1593.1 | 1595.3 | 1599.1 | 1603.6 | 1611.2 | 1611.9 | 1619.5 |
| 7.5° | 1499.7 | 1496.7 | 1490.1 | 1487.9 | 1490.1 | 1496.7 | 1499.7 | 1502.3 | 1509.9 | 1516.4 | 1527.5 |
| 10° | 1435.9 | 1432.9 | 1426.8 | 1425.3 | 1426.8 | 1432.9 | 1435.9 | 1443.4 | 1450.9 | 1459.2 | 1466.7 |
| 12.5° | 1374.4 | 1368.4 | 1367.3 | 1368.8 | 1367.3 | 1368.4 | 1374.4 | 1384.4 | 1403.9 | 1403.8 | 1405.3 |
| 15° | 1292.9 | 1289.9 | 1281.6 | 1283.8 | 1281.6 | 1289.9 | 1292.9 | 1302.7 | 1311.6 | 1323.0 | 1334.3 |
| 17.5° | 1212.5 | 1208.9 | 1198.8 | 1207.7 | 1198.8 | 1208.9 | 1212.5 | 1217.8 | 1229.4 | 1245.3 | 1262.3 |
| 20° | 1161.9 | 1155.9 | 1150.7 | 1149.9 | 1150.7 | 1155.9 | 1161.9 | 1167.2 | 1180.0 | 1193.5 | 1206.4 |
| 22.5° | 1113.7 | 1108.3 | 1107.9 | 1103.0 | 1107.9 | 1108.3 | 1113.7 | 1122.0 | 1134.8 | 1142.4 | 1154.5 |
| 25° | 1053.6 | 1048.3 | 1046.8 | 1043.0 | 1046.8 | 1048.3 | 1053.6 | 1059.6 | 1067.8 | 1073.8 | 1087.4 |
| 27.5° | 1007.4 | 1004.8 | 1002.1 | 1003.2 | 1002.1 | 1004.8 | 1007.4 | 1008.1 | 1011.8 | 1019.8 | 1027.7 |
| 30° | 979.0 | 978.3 | 976.8 | 976.8 | 976.8 | 978.3 | 979.0 | 976.8 | 980.5 | 984.3 | 990.3 |
| 32.5° | 955.5 | 955.5 | 956.3 | 956.3 | 956.3 | 955.5 | 955.5 | 952.2 | 953.5 | 954.8 | 957.8 |
| 35° | 922.7 | 924.8 | 926.3 | 924.1 | 926.3 | 924.8 | 922.7 | 919.6 | 917.4 | 912.1 | 913.6 |
| 37.5° | 892.8 | 895.0 | 897.2 | 899.8 | 897.2 | 895.0 | 892.8 | 886.6 | 881.2 | 876.6 | 871.1 |
| 40° | 870.0 | 875.2 | 876.7 | 880.4 | 876.7 | 875.2 | 870.0 | 863.2 | 857.1 | 851.9 | 845.8 |
| 42.5° | 848.3 | 854.1 | 858.0 | 858.8 | 858.0 | 854.1 | 848.3 | 841.5 | 832.5 | 826.0 | 817.6 |
| 45° | 815.0 | 821.0 | 826.3 | 826.3 | 826.3 | 821.0 | 815.0 | 803.7 | 793.9 | 784.1 | 775.9 |
| 47.5° | 780.5 | 789.3 | 794.6 | 795.9 | 794.6 | 789.3 | 780.5 | 768.9 | 755.3 | 743.2 | 731.3 |
| 50° | 757.1 | 767.6 | 772.9 | 776.7 | 772.9 | 767.6 | 757.1 | 744.2 | 730.0 | 714.9 | 700.6 |
| 52.5° | 734.1 | 744.7 | 751.8 | 753.8 | 751.8 | 744.7 | 734.1 | 718.4 | 701.1 | 684.9 | 672.3 |
| 55° | 694.6 | 709.6 | 717.9 | 721.0 | 717.9 | 709.6 | 694.6 | 677.3 | 660.7 | 640.4 | 622.4 |
| 57.5° | 657.2 | 671.1 | 680.7 | 683.0 | 680.7 | 671.1 | 657.2 | 637.0 | 615.6 | 593.9 | 574.7 |
| 60° | 628.4 | 643.4 | 655.4 | 657.7 | 655.4 | 643.4 | 628.4 | 608.0 | 585.5 | 564.4 | 540.4 |
| 62.5° | 598.9 | 614.5 | 625.4 | 631.2 | 625.4 | 614.5 | 598.9 | 577.3 | 553.0 | 529.5 | 505.4 |
| 65° | 547.8 | 563.6 | 574.2 | 576.5 | 574.2 | 563.6 | 547.8 | 526.8 | 501.1 | 476.4 | 456.0 |
| 67.5° | 492.2 | 507.9 | 514.9 | 519.2 | 514.9 | 507.9 | 492.2 | 472.3 | 447.0 | 421.3 | 398.2 |
| 70° | 453.0 | 465.8 | 473.3 | 477.1 | 473.3 | 465.8 | 453.0 | 432.0 | 410.9 | 384.6 | 359.7 |
| 72.5° | 408.5 | 421.9 | 430.6 | 431.3 | 430.6 | 421.9 | 408.5 | 390.4 | 368.2 | 343.7 | 321.8 |
| 75° | 340.2 | 352.2 | 356.7 | 356.7 | 356.7 | 352.2 | 340.2 | 322.8 | 304.8 | 285.2 | 263.3 |
| 77.5° | 269.3 | 275.4 | 281.2 | 282.4 | 281.2 | 275.4 | 269.3 | 256.7 | 241.9 | 222.3 | 205.9 |
| 80° | 223.5 | 227.2 | 231.8 | 231.8 | 231.8 | 227.2 | 223.5 | 212.3 | 197.9 | 181.3 | 168.5 |
| 82.5° | 176.5 | 179.7 | 184.3 | 183.6 | 184.3 | 179.7 | 176.5 | 167.7 | 155.8 | 144.7 | 133.1 |
| 85° | 106.9 | 113.7 | 112.9 | 111.4 | 112.9 | 113.7 | 106.9 | 108.4 | 97.1 | 89.5 | 79.0 |
| 87.5° | 51.3 | 52.0 | 53.6 | 54.9 | 53.6 | 52.0 | 51.3 | 49.3 | 43.9 | 40.7 | 38.2 |
| 90° | 15.5 | 16.2 | 15.5 | 15.5 | 15.5 | 16.2 | 15.5 | 14.7 | 14.7 | 14.0 | 13.3 |
| 92.5° | 63.2 | 59.3 | 56.7 | 56.7 | 56.7 | 59.3 | 63.2 | 71.9 | 86.7 | 109.0 | 144.8 |
| 95° | 225.6 | 202.6 | 189.5 | 179.8 | 189.5 | 202.6 | 225.6 | 261.6 | 333.1 | 431.9 | 546.1 |
| 97.5° | 562.5 | 518.1 | 496.0 | 480.7 | 496.0 | 518.1 | 562.5 | 615.4 | 692.3 | 764.4 | 806.8 |
| 100° | 748.8 | 703.8 | 681.7 | 675.8 | 681.7 | 703.8 | 748.8 | 812.9 | 867.4 | 903.5 | 888.8 |
| 102.5° | 906.3 | 873.6 | 850.4 | 845.6 | 850.4 | 873.6 | 906.3 | 945.6 | 968.3 | 957.8 | 884.7 |
| 105° | 1057.6 | 1051.7 | 1041.4 | 1037.0 | 1041.4 | 1051.7 | 1057.6 | 1056.1 | 1025.9 | 952.9 | 825.5 |
| 107.5° | 1081.9 | 1098.7 | 1106.1 | 1108.0 | 1106.1 | 1098.7 | 1081.9 | 1045.5 | 979.8 | 877.0 | 741.3 |
| 110° | 1058.3 | 1089.3 | 1102.6 | 1109.2 | 1102.6 | 1089.3 | 1058.3 | 1006.0 | 924.9 | 818.0 | 690.6 |



TEST NUMBER: P332690-830

CATALOG NUMBER: SA4XXDIP-C1195D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 112.5° | 1007.6 | 1045.1 | 1063.7 | 1074.4 | 1063.7 | 1045.1 | 1007.6 | 948.2 | 867.1 | 766.2 | 653.5 |
| 115° | 922.0 | 966.2 | 989.8 | 995.7 | 989.8 | 966.2 | 922.0 | 863.7 | 793.0 | 706.8 | 616.1 |
| 117.5° | 850.4 | 887.5 | 911.3 | 916.0 | 911.3 | 887.5 | 850.4 | 800.7 | 740.6 | 672.9 | 597.9 |
| 120° | 811.4 | 843.9 | 863.0 | 871.1 | 863.0 | 843.9 | 811.4 | 769.4 | 717.1 | 658.2 | 589.6 |
| 122.5° | 783.7 | 811.4 | 827.6 | 835.8 | 827.6 | 811.4 | 783.7 | 748.2 | 702.4 | 648.7 | 582.5 |
| 125° | 754.7 | 776.1 | 790.0 | 794.5 | 790.0 | 776.1 | 754.7 | 725.2 | 684.7 | 633.9 | 570.4 |
| 127.5° | 735.1 | 754.1 | 765.9 | 770.3 | 765.9 | 754.1 | 735.1 | 705.5 | 666.9 | 616.2 | 555.7 |
| 130° | 721.5 | 740.0 | 751.8 | 756.2 | 751.8 | 740.0 | 721.5 | 691.3 | 652.2 | 602.1 | 543.9 |
| 132.5° | 703.8 | 724.6 | 735.8 | 740.3 | 735.8 | 724.6 | 703.8 | 674.2 | 635.2 | 586.2 | 531.5 |
| 135° | 673.6 | 694.3 | 706.1 | 710.5 | 706.1 | 694.3 | 673.6 | 644.1 | 607.3 | 562.3 | 514.4 |
| 137.5° | 638.2 | 658.6 | 668.3 | 673.6 | 668.3 | 658.6 | 638.2 | 610.7 | 577.4 | 539.5 | 499.0 |
| 140° | 614.6 | 630.8 | 641.2 | 647.1 | 641.2 | 630.8 | 614.6 | 588.9 | 557.9 | 524.7 | 490.1 |
| 142.5° | 590.5 | 605.5 | 614.6 | 618.8 | 614.6 | 605.5 | 590.5 | 567.6 | 540.8 | 512.4 | 481.8 |
| 145° | 556.5 | 568.9 | 576.4 | 580.0 | 576.4 | 568.9 | 556.5 | 538.0 | 517.4 | 495.3 | 470.2 |
| 147.5° | 528.0 | 538.8 | 544.3 | 545.6 | 544.3 | 538.8 | 528.0 | 514.4 | 498.2 | 480.5 | 460.6 |
| 150° | 511.5 | 521.0 | 525.5 | 526.2 | 525.5 | 521.0 | 511.5 | 499.6 | 486.4 | 471.6 | 454.7 |
| 152.5° | 497.3 | 505.1 | 507.7 | 508.5 | 507.7 | 505.1 | 497.3 | 487.3 | 476.4 | 462.8 | 448.3 |
| 155° | 477.6 | 483.4 | 485.7 | 485.7 | 485.7 | 483.4 | 477.6 | 470.2 | 461.4 | 450.3 | 438.5 |
| 157.5° | 459.9 | 464.3 | 465.6 | 465.6 | 465.6 | 464.3 | 459.9 | 454.3 | 447.2 | 437.9 | 428.0 |
| 160° | 448.1 | 452.5 | 453.3 | 453.3 | 453.3 | 452.5 | 448.1 | 443.7 | 437.8 | 429.7 | 421.6 |
| 162.5° | 436.9 | 441.3 | 442.1 | 441.5 | 442.1 | 441.3 | 436.9 | 433.7 | 428.4 | 422.0 | 415.1 |
| 165° | 422.3 | 425.3 | 424.5 | 423.8 | 424.5 | 425.3 | 422.3 | 419.3 | 415.7 | 410.5 | 406.0 |
| 167.5° | 408.6 | 410.5 | 410.4 | 409.7 | 410.4 | 410.5 | 408.6 | 407.1 | 404.9 | 400.8 | 397.4 |
| 170° | 401.0 | 401.6 | 401.0 | 401.0 | 401.0 | 401.6 | 401.0 | 399.4 | 397.3 | 394.3 | 392.1 |
| 172.5° | 393.2 | 394.0 | 393.2 | 392.1 | 393.2 | 394.0 | 393.2 | 392.4 | 390.8 | 389.0 | 387.4 |
| 175° | 383.2 | 384.7 | 383.2 | 381.7 | 383.2 | 384.7 | 383.2 | 383.2 | 383.2 | 381.7 | 381.1 |
| 177.5° | 377.5 | 378.1 | 376.9 | 375.7 | 376.9 | 378.1 | 377.5 | 378.1 | 377.5 | 377.5 | 376.9 |
| 180° | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 |



TEST NUMBER: P332690-830

CATALOG NUMBER: SA4XXDIP-C1195D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 |
| 2.5° | 1736.5 | 1739.0 | 1748.6 | 1757.7 | 1768.5 | 1776.3 | 1781.7 | 1787.7 | 1800.4 | 1810.6 | 1820.2 |
| 5° | 1627.0 | 1630.8 | 1650.3 | 1663.9 | 1687.2 | 1707.5 | 1723.3 | 1740.6 | 1761.0 | 1788.8 | 1814.4 |
| 7.5° | 1530.5 | 1544.5 | 1565.8 | 1587.8 | 1611.7 | 1638.2 | 1661.4 | 1687.5 | 1722.6 | 1760.8 | 1800.3 |
| 10° | 1475.7 | 1491.6 | 1514.1 | 1539.7 | 1562.3 | 1593.1 | 1621.7 | 1652.6 | 1692.4 | 1739.1 | 1785.7 |
| 12.5° | 1421.0 | 1447.0 | 1464.1 | 1494.5 | 1518.9 | 1544.4 | 1574.8 | 1615.2 | 1661.8 | 1710.8 | 1767.1 |
| 15° | 1352.3 | 1366.6 | 1399.7 | 1416.3 | 1450.9 | 1490.1 | 1520.1 | 1560.8 | 1605.9 | 1670.7 | 1733.8 |
| 17.5° | 1273.2 | 1291.9 | 1318.3 | 1349.9 | 1389.6 | 1420.2 | 1457.6 | 1499.5 | 1556.4 | 1620.7 | 1699.9 |
| 20° | 1221.3 | 1237.2 | 1269.5 | 1304.1 | 1346.3 | 1378.7 | 1418.5 | 1459.2 | 1517.9 | 1586.4 | 1669.1 |
| 22.5° | 1175.0 | 1190.2 | 1224.4 | 1256.6 | 1297.5 | 1337.1 | 1378.8 | 1426.1 | 1482.3 | 1554.4 | 1639.0 |
| 25° | 1103.2 | 1123.5 | 1153.7 | 1186.8 | 1225.9 | 1271.0 | 1316.2 | 1358.3 | 1418.5 | 1494.5 | 1584.9 |
| 27.5° | 1039.5 | 1055.8 | 1077.6 | 1115.2 | 1159.7 | 1203.3 | 1248.1 | 1301.2 | 1359.0 | 1439.3 | 1533.0 |
| 30° | 998.6 | 1013.7 | 1035.5 | 1070.1 | 1111.5 | 1158.2 | 1204.9 | 1255.9 | 1316.2 | 1396.0 | 1491.6 |
| 32.5° | 966.1 | 977.5 | 996.9 | 1027.9 | 1065.7 | 1114.8 | 1160.8 | 1213.8 | 1277.1 | 1355.7 | 1448.8 |
| 35° | 918.1 | 927.8 | 935.4 | 964.8 | 998.6 | 1043.8 | 1090.4 | 1146.9 | 1207.9 | 1282.3 | 1375.6 |
| 37.5° | 871.0 | 874.3 | 885.3 | 904.6 | 937.4 | 978.9 | 1022.3 | 1077.8 | 1140.3 | 1216.0 | 1300.0 |
| 40° | 842.1 | 843.6 | 850.4 | 868.5 | 897.0 | 936.1 | 978.3 | 1033.2 | 1092.7 | 1164.1 | 1247.7 |
| 42.5° | 813.8 | 812.8 | 819.1 | 831.7 | 858.5 | 894.0 | 935.6 | 985.7 | 1045.1 | 1111.2 | 1189.9 |
| 45° | 769.1 | 769.1 | 767.6 | 778.2 | 799.9 | 834.5 | 869.2 | 917.4 | 967.0 | 1031.7 | 1098.0 |
| 47.5° | 722.5 | 718.2 | 719.5 | 725.0 | 743.4 | 771.8 | 806.7 | 846.1 | 889.9 | 944.7 | 1002.9 |
| 50° | 692.3 | 686.4 | 684.1 | 690.0 | 706.6 | 731.5 | 764.6 | 799.2 | 840.6 | 888.7 | 938.4 |
| 52.5° | 659.2 | 653.2 | 649.1 | 653.4 | 668.7 | 691.7 | 721.8 | 752.2 | 789.4 | 828.6 | 871.6 |
| 55° | 608.0 | 601.2 | 599.0 | 600.5 | 611.8 | 629.9 | 655.4 | 683.3 | 711.1 | 743.5 | 773.6 |
| 57.5° | 557.6 | 546.5 | 544.4 | 543.7 | 551.5 | 568.0 | 589.4 | 613.5 | 633.8 | 653.4 | 685.4 |
| 60° | 524.5 | 511.0 | 506.4 | 505.7 | 511.7 | 525.3 | 544.8 | 568.9 | 583.2 | 596.7 | 624.6 |
| 62.5° | 489.0 | 476.1 | 466.1 | 467.2 | 472.6 | 485.5 | 502.7 | 520.2 | 529.6 | 544.4 | 563.2 |
| 65° | 434.2 | 417.6 | 410.1 | 407.8 | 410.9 | 421.4 | 435.0 | 446.3 | 456.8 | 462.8 | 480.9 |
| 67.5° | 379.5 | 365.6 | 354.5 | 351.8 | 350.3 | 357.6 | 368.7 | 375.5 | 383.0 | 388.3 | 399.0 |
| 70° | 340.9 | 328.9 | 315.3 | 310.8 | 310.0 | 316.0 | 326.6 | 327.3 | 337.9 | 340.2 | 351.5 |
| 72.5° | 302.9 | 287.9 | 278.6 | 274.1 | 270.9 | 276.4 | 283.2 | 285.2 | 291.0 | 295.0 | 300.9 |
| 75° | 243.8 | 232.5 | 223.5 | 216.7 | 214.4 | 217.4 | 217.4 | 221.2 | 225.0 | 227.2 | 234.0 |
| 77.5° | 191.9 | 179.0 | 168.2 | 164.4 | 161.6 | 159.7 | 161.4 | 163.6 | 161.8 | 165.7 | 167.2 |
| 80° | 155.8 | 142.2 | 133.9 | 132.4 | 127.9 | 124.1 | 123.4 | 125.6 | 122.6 | 124.1 | 128.7 |
| 82.5° | 120.3 | 111.5 | 102.6 | 101.1 | 95.4 | 93.5 | 92.7 | 91.3 | 91.3 | 91.0 | 92.0 |
| 85° | 71.4 | 66.3 | 60.2 | 56.5 | 54.2 | 50.4 | 50.4 | 48.9 | 47.4 | 45.9 | 46.7 |
| 87.5° | 31.4 | 30.3 | 27.1 | 25.0 | 23.8 | 20.5 | 20.5 | 18.5 | 17.7 | 16.7 | 15.8 |
| 90° | 12.5 | 13.3 | 11.8 | 10.3 | 10.3 | 5.9 | 5.9 | 5.2 | 4.4 | 2.2 | 0.8 |
| 92.5° | 194.7 | 233.8 | 204.6 | 148.8 | 91.7 | 54.2 | 38.9 | 28.2 | 19.1 | 12.3 | 8.4 |
| 95° | 617.6 | 600.7 | 453.3 | 277.1 | 156.3 | 92.1 | 61.2 | 43.5 | 33.9 | 26.5 | 24.3 |
| 97.5° | 775.9 | 632.6 | 424.2 | 249.1 | 149.3 | 99.9 | 74.0 | 58.8 | 50.0 | 43.6 | 43.6 |
| 100° | 781.2 | 592.6 | 384.7 | 234.4 | 151.1 | 107.6 | 84.0 | 70.0 | 61.2 | 56.0 | 56.0 |
| 102.5° | 737.0 | 542.4 | 358.2 | 230.3 | 156.9 | 117.6 | 95.2 | 81.8 | 73.5 | 69.0 | 67.8 |
| 105° | 656.7 | 483.4 | 335.4 | 232.1 | 171.0 | 135.6 | 114.2 | 100.9 | 92.1 | 88.4 | 86.2 |
| 107.5° | 591.8 | 450.4 | 331.2 | 243.1 | 187.4 | 155.0 | 133.8 | 121.1 | 111.7 | 108.0 | 106.6 |
| 110° | 559.4 | 439.2 | 332.3 | 251.3 | 199.7 | 167.3 | 147.4 | 134.1 | 125.3 | 121.6 | 120.2 |



TEST NUMBER: P332690-830

CATALOG NUMBER: SA4XXDIP-C1195D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 541.1 | 433.9 | 335.9 | 260.1 | 211.5 | 180.3 | 160.3 | 147.1 | 138.8 | 134.6 | 133.1 |
| 115° | 524.0 | 431.1 | 342.7 | 274.2 | 230.0 | 200.5 | 180.6 | 166.5 | 159.2 | 154.0 | 151.8 |
| 117.5° | 516.3 | 430.4 | 350.0 | 288.4 | 247.8 | 219.8 | 199.2 | 186.1 | 178.0 | 173.3 | 171.3 |
| 120° | 512.2 | 430.4 | 355.2 | 298.5 | 260.1 | 232.1 | 211.5 | 199.0 | 190.9 | 185.7 | 184.3 |
| 122.5° | 507.5 | 429.8 | 360.5 | 307.9 | 271.9 | 243.9 | 223.9 | 210.2 | 202.6 | 197.6 | 196.0 |
| 125° | 499.6 | 429.0 | 368.5 | 322.1 | 288.1 | 261.6 | 241.0 | 227.0 | 218.9 | 214.4 | 211.5 |
| 127.5° | 489.2 | 427.3 | 374.8 | 334.3 | 303.2 | 277.6 | 256.7 | 242.1 | 232.9 | 227.6 | 225.3 |
| 130° | 482.8 | 426.7 | 379.6 | 342.0 | 313.2 | 288.1 | 266.8 | 252.8 | 241.8 | 235.8 | 232.9 |
| 132.5° | 476.8 | 426.1 | 383.7 | 349.6 | 321.5 | 296.4 | 276.3 | 261.1 | 250.6 | 242.9 | 240.5 |
| 135° | 468.0 | 425.3 | 389.8 | 359.7 | 333.1 | 308.8 | 289.6 | 274.2 | 261.6 | 254.3 | 251.3 |
| 137.5° | 460.3 | 425.1 | 393.5 | 366.7 | 342.0 | 319.2 | 301.0 | 284.9 | 273.0 | 264.9 | 262.1 |
| 140° | 456.2 | 424.5 | 396.5 | 371.5 | 347.9 | 325.7 | 308.0 | 292.6 | 280.0 | 271.9 | 269.8 |
| 142.5° | 452.7 | 424.5 | 398.9 | 374.9 | 353.2 | 331.7 | 314.5 | 299.6 | 287.8 | 280.2 | 278.0 |
| 145° | 446.6 | 423.0 | 400.2 | 378.8 | 358.9 | 339.8 | 323.6 | 309.5 | 299.3 | 291.8 | 289.6 |
| 147.5° | 441.2 | 420.4 | 401.0 | 382.2 | 364.9 | 346.9 | 332.2 | 320.6 | 310.0 | 303.5 | 302.7 |
| 150° | 437.1 | 418.6 | 401.0 | 384.0 | 367.8 | 351.6 | 337.5 | 326.5 | 317.6 | 311.8 | 311.0 |
| 152.5° | 432.3 | 415.7 | 399.7 | 385.1 | 370.1 | 355.7 | 342.9 | 333.0 | 324.7 | 318.9 | 318.7 |
| 155° | 425.3 | 411.2 | 397.9 | 386.2 | 373.6 | 361.1 | 350.1 | 342.0 | 334.6 | 330.2 | 329.4 |
| 157.5° | 418.0 | 406.7 | 396.1 | 386.2 | 376.2 | 365.5 | 356.8 | 349.8 | 344.0 | 339.9 | 339.9 |
| 160° | 412.7 | 403.1 | 394.3 | 386.2 | 377.3 | 368.5 | 360.4 | 354.5 | 349.3 | 346.4 | 346.4 |
| 162.5° | 408.0 | 399.6 | 392.6 | 386.2 | 378.5 | 370.2 | 363.9 | 358.6 | 354.0 | 351.7 | 352.3 |
| 165° | 400.2 | 394.3 | 389.2 | 384.7 | 378.8 | 372.2 | 367.8 | 364.1 | 360.4 | 358.9 | 358.9 |
| 167.5° | 393.1 | 389.0 | 385.6 | 383.0 | 378.7 | 373.8 | 370.4 | 368.3 | 365.5 | 364.9 | 365.5 |
| 170° | 388.4 | 385.4 | 383.2 | 381.7 | 378.1 | 374.4 | 372.2 | 370.7 | 368.5 | 367.8 | 368.5 |
| 172.5° | 384.3 | 381.9 | 380.9 | 380.6 | 377.5 | 374.9 | 373.3 | 372.5 | 370.9 | 370.7 | 371.5 |
| 175° | 379.6 | 378.1 | 378.1 | 378.8 | 376.6 | 375.1 | 375.1 | 374.4 | 373.6 | 373.6 | 374.4 |
| 177.5° | 376.3 | 375.7 | 375.7 | 376.9 | 375.7 | 375.1 | 375.1 | 375.1 | 374.6 | 375.1 | 375.7 |
| 180° | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 |



TEST NUMBER: P332690-830

CATALOG NUMBER: SA4XXDIP-C1195D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 |
| 2.5° | 1828.6 | 1834.7 | 1842.5 | 1855.8 | 1860.6 | 1866.6 | 1875.0 | 1874.4 | 1876.8 | 1885.8 | 1905.2 |
| 5° | 1835.4 | 1858.8 | 1881.3 | 1908.5 | 1937.0 | 1955.9 | 1981.4 | 1997.2 | 2013.1 | 2033.3 | 2067.9 |
| 7.5° | 1838.1 | 1875.2 | 1916.6 | 1964.2 | 2006.4 | 2055.2 | 2093.3 | 2129.1 | 2161.4 | 2204.3 | 2245.6 |
| 10° | 1833.9 | 1883.6 | 1937.0 | 1997.2 | 2061.2 | 2115.3 | 2164.3 | 2220.0 | 2267.4 | 2319.3 | 2366.0 |
| 12.5° | 1826.1 | 1886.0 | 1957.5 | 2025.0 | 2099.7 | 2179.8 | 2240.8 | 2297.1 | 2360.1 | 2419.9 | 2491.8 |
| 15° | 1808.4 | 1890.4 | 1973.9 | 2062.7 | 2162.8 | 2255.3 | 2343.4 | 2416.4 | 2484.2 | 2573.7 | 2667.8 |
| 17.5° | 1785.7 | 1874.2 | 1979.6 | 2087.1 | 2191.7 | 2297.5 | 2406.5 | 2516.2 | 2601.7 | 2712.9 | 2786.5 |
| 20° | 1764.7 | 1867.1 | 1975.4 | 2103.4 | 2207.9 | 2339.7 | 2448.0 | 2554.1 | 2671.5 | 2782.1 | 2870.1 |
| 22.5° | 1735.2 | 1847.2 | 1962.2 | 2089.5 | 2227.2 | 2358.9 | 2484.2 | 2599.2 | 2716.7 | 2837.0 | 2943.7 |
| 25° | 1697.7 | 1799.3 | 1935.5 | 2080.0 | 2217.0 | 2359.9 | 2503.7 | 2648.2 | 2774.6 | 2901.8 | 3001.1 |
| 27.5° | 1633.9 | 1762.2 | 1889.0 | 2038.2 | 2190.4 | 2352.1 | 2505.8 | 2657.0 | 2789.5 | 2894.1 | 2955.6 |
| 30° | 1601.4 | 1712.8 | 1850.5 | 2000.3 | 2165.0 | 2338.9 | 2499.2 | 2647.4 | 2770.9 | 2854.4 | 2879.2 |
| 32.5° | 1553.2 | 1668.2 | 1802.9 | 1958.1 | 2132.5 | 2311.2 | 2478.1 | 2617.9 | 2720.8 | 2764.7 | 2734.7 |
| 35° | 1481.8 | 1585.6 | 1721.8 | 1880.6 | 2061.9 | 2252.3 | 2417.2 | 2535.3 | 2587.9 | 2546.6 | 2443.4 |
| 37.5° | 1396.0 | 1498.9 | 1635.7 | 1791.7 | 1979.3 | 2172.8 | 2321.9 | 2406.9 | 2389.4 | 2286.5 | 2132.9 |
| 40° | 1335.8 | 1432.1 | 1562.3 | 1730.8 | 1913.7 | 2107.9 | 2238.8 | 2284.7 | 2236.6 | 2089.1 | 1925.7 |
| 42.5° | 1268.9 | 1362.8 | 1493.6 | 1656.1 | 1849.9 | 2029.0 | 2143.1 | 2146.8 | 2066.1 | 1889.8 | 1725.9 |
| 45° | 1167.2 | 1256.7 | 1380.2 | 1549.4 | 1728.6 | 1897.1 | 1972.4 | 1935.5 | 1786.5 | 1616.5 | 1451.6 |
| 47.5° | 1066.8 | 1144.4 | 1266.0 | 1426.8 | 1596.9 | 1738.8 | 1776.1 | 1709.8 | 1551.0 | 1385.9 | 1233.1 |
| 50° | 993.3 | 1071.6 | 1186.0 | 1339.5 | 1503.5 | 1626.3 | 1644.3 | 1556.2 | 1400.4 | 1234.2 | 1114.5 |
| 52.5° | 922.9 | 1000.6 | 1110.8 | 1252.8 | 1403.1 | 1513.6 | 1514.3 | 1412.4 | 1257.2 | 1108.9 | 997.7 |
| 55° | 819.5 | 889.5 | 988.8 | 1116.0 | 1250.0 | 1336.5 | 1315.4 | 1210.0 | 1075.3 | 946.7 | 849.6 |
| 57.5° | 719.9 | 780.8 | 872.3 | 978.5 | 1096.5 | 1167.8 | 1132.8 | 1031.4 | 911.2 | 802.0 | 728.5 |
| 60° | 655.4 | 713.4 | 791.6 | 891.7 | 991.1 | 1046.8 | 1013.7 | 921.9 | 811.2 | 723.2 | 659.2 |
| 62.5° | 592.9 | 641.8 | 717.0 | 803.9 | 896.0 | 937.2 | 907.7 | 817.1 | 721.5 | 641.9 | 590.0 |
| 65° | 504.2 | 544.1 | 604.3 | 678.8 | 745.7 | 781.2 | 756.3 | 672.0 | 599.0 | 541.9 | 500.4 |
| 67.5° | 421.4 | 452.6 | 498.1 | 557.9 | 614.8 | 634.0 | 611.3 | 552.7 | 490.8 | 445.1 | 415.8 |
| 70° | 364.2 | 393.6 | 432.0 | 477.9 | 527.5 | 547.8 | 525.3 | 478.6 | 428.2 | 386.1 | 357.4 |
| 72.5° | 314.2 | 337.0 | 369.4 | 408.6 | 447.4 | 467.8 | 452.4 | 407.6 | 365.0 | 333.7 | 309.2 |
| 75° | 239.3 | 258.9 | 281.4 | 309.2 | 339.4 | 353.0 | 339.4 | 308.5 | 279.2 | 255.9 | 238.6 |
| 77.5° | 174.0 | 184.5 | 202.0 | 222.7 | 241.6 | 251.9 | 240.3 | 219.3 | 201.4 | 185.4 | 176.8 |
| 80° | 132.4 | 140.0 | 152.0 | 168.5 | 181.3 | 191.1 | 183.6 | 166.3 | 152.0 | 141.5 | 137.7 |
| 82.5° | 96.3 | 101.4 | 109.2 | 121.6 | 130.2 | 135.2 | 131.9 | 119.3 | 113.5 | 104.2 | 100.4 |
| 85° | 47.4 | 50.4 | 55.7 | 59.5 | 67.0 | 67.8 | 68.5 | 63.2 | 58.0 | 55.7 | 52.7 |
| 87.5° | 16.7 | 17.7 | 19.7 | 21.7 | 24.0 | 25.5 | 25.0 | 25.3 | 23.1 | 22.3 | 20.1 |
| 90° | 2.2 | 4.4 | 5.2 | 5.9 | 5.9 | 10.3 | 10.3 | 11.8 | 13.3 | 12.5 | 13.3 |
| 92.5° | 12.3 | 19.1 | 28.2 | 38.9 | 54.2 | 91.7 | 148.8 | 204.6 | 233.8 | 194.7 | 144.8 |
| 95° | 26.5 | 33.9 | 43.5 | 61.2 | 92.1 | 156.3 | 277.1 | 453.3 | 600.7 | 617.6 | 546.1 |
| 97.5° | 43.6 | 50.0 | 58.8 | 74.0 | 99.9 | 149.3 | 249.1 | 424.2 | 632.6 | 775.9 | 806.8 |
| 100° | 56.0 | 61.2 | 70.0 | 84.0 | 107.6 | 151.1 | 234.4 | 384.7 | 592.6 | 781.2 | 888.8 |
| 102.5° | 69.0 | 73.5 | 81.8 | 95.2 | 117.6 | 156.9 | 230.3 | 358.2 | 542.4 | 737.0 | 884.7 |
| 105° | 88.4 | 92.1 | 100.9 | 114.2 | 135.6 | 171.0 | 232.1 | 335.4 | 483.4 | 656.7 | 825.5 |
| 107.5° | 108.0 | 111.7 | 121.1 | 133.8 | 155.0 | 187.4 | 243.1 | 331.2 | 450.4 | 591.8 | 741.3 |
| 110° | 121.6 | 125.3 | 134.1 | 147.4 | 167.3 | 199.7 | 251.3 | 332.3 | 439.2 | 559.4 | 690.6 |



TEST NUMBER: P332690-830

CATALOG NUMBER: SA4XXDIP-C1195D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 134.6 | 138.8 | 147.1 | 160.3 | 180.3 | 211.5 | 260.1 | 335.9 | 433.9 | 541.1 | 653.5 |
| 115° | 154.0 | 159.2 | 166.5 | 180.6 | 200.5 | 230.0 | 274.2 | 342.7 | 431.1 | 524.0 | 616.1 |
| 117.5° | 173.3 | 178.0 | 186.1 | 199.2 | 219.8 | 247.8 | 288.4 | 350.0 | 430.4 | 516.3 | 597.9 |
| 120° | 185.7 | 190.9 | 199.0 | 211.5 | 232.1 | 260.1 | 298.5 | 355.2 | 430.4 | 512.2 | 589.6 |
| 122.5° | 197.6 | 202.6 | 210.2 | 223.9 | 243.9 | 271.9 | 307.9 | 360.5 | 429.8 | 507.5 | 582.5 |
| 125° | 214.4 | 218.9 | 227.0 | 241.0 | 261.6 | 288.1 | 322.1 | 368.5 | 429.0 | 499.6 | 570.4 |
| 127.5° | 227.6 | 232.9 | 242.1 | 256.7 | 277.6 | 303.2 | 334.3 | 374.8 | 427.3 | 489.2 | 555.7 |
| 130° | 235.8 | 241.8 | 252.8 | 266.8 | 288.1 | 313.2 | 342.0 | 379.6 | 426.7 | 482.8 | 543.9 |
| 132.5° | 242.9 | 250.6 | 261.1 | 276.3 | 296.4 | 321.5 | 349.6 | 383.7 | 426.1 | 476.8 | 531.5 |
| 135° | 254.3 | 261.6 | 274.2 | 289.6 | 308.8 | 333.1 | 359.7 | 389.8 | 425.3 | 468.0 | 514.4 |
| 137.5° | 264.9 | 273.0 | 284.9 | 301.0 | 319.2 | 342.0 | 366.7 | 393.5 | 425.1 | 460.3 | 499.0 |
| 140° | 271.9 | 280.0 | 292.6 | 308.0 | 325.7 | 347.9 | 371.5 | 396.5 | 424.5 | 456.2 | 490.1 |
| 142.5° | 280.2 | 287.8 | 299.6 | 314.5 | 331.7 | 353.2 | 374.9 | 398.9 | 424.5 | 452.7 | 481.8 |
| 145° | 291.8 | 299.3 | 309.5 | 323.6 | 339.8 | 358.9 | 378.8 | 400.2 | 423.0 | 446.6 | 470.2 |
| 147.5° | 303.5 | 310.0 | 320.6 | 332.2 | 346.9 | 364.9 | 382.2 | 401.0 | 420.4 | 441.2 | 460.6 |
| 150° | 311.8 | 317.6 | 326.5 | 337.5 | 351.6 | 367.8 | 384.0 | 401.0 | 418.6 | 437.1 | 454.7 |
| 152.5° | 318.9 | 324.7 | 333.0 | 342.9 | 355.7 | 370.1 | 385.1 | 399.7 | 415.7 | 432.3 | 448.3 |
| 155° | 330.2 | 334.6 | 342.0 | 350.1 | 361.1 | 373.6 | 386.2 | 397.9 | 411.2 | 425.3 | 438.5 |
| 157.5° | 339.9 | 344.0 | 349.8 | 356.8 | 365.5 | 376.2 | 386.2 | 396.1 | 406.7 | 418.0 | 428.0 |
| 160° | 346.4 | 349.3 | 354.5 | 360.4 | 368.5 | 377.3 | 386.2 | 394.3 | 403.1 | 412.7 | 421.6 |
| 162.5° | 351.7 | 354.0 | 358.6 | 363.9 | 370.2 | 378.5 | 386.2 | 392.6 | 399.6 | 408.0 | 415.1 |
| 165° | 358.9 | 360.4 | 364.1 | 367.8 | 372.2 | 378.8 | 384.7 | 389.2 | 394.3 | 400.2 | 406.0 |
| 167.5° | 364.9 | 365.5 | 368.3 | 370.4 | 373.8 | 378.7 | 383.0 | 385.6 | 389.0 | 393.1 | 397.4 |
| 170° | 367.8 | 368.5 | 370.7 | 372.2 | 374.4 | 378.1 | 381.7 | 383.2 | 385.4 | 388.4 | 392.1 |
| 172.5° | 370.7 | 370.9 | 372.5 | 373.3 | 374.9 | 377.5 | 380.6 | 380.9 | 381.9 | 384.3 | 387.4 |
| 175° | 373.6 | 373.6 | 374.4 | 375.1 | 375.1 | 376.6 | 378.8 | 378.1 | 378.1 | 379.6 | 381.1 |
| 177.5° | 375.1 | 374.6 | 375.1 | 375.1 | 375.1 | 375.7 | 376.9 | 375.7 | 375.7 | 376.3 | 376.9 |
| 180° | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 |



TEST NUMBER: P332690-830
 CATALOG NUMBER: SA4XXDIP-C1195D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 | 1816.7 |
| 2.5° | 1914.8 | 1916.0 | 1921.4 | 1925.6 | 1926.8 | 1932.8 | 1933.4 |
| 5° | 2083.0 | 2095.8 | 2120.6 | 2122.9 | 2126.7 | 2146.3 | 2131.2 |
| 7.5° | 2280.2 | 2312.7 | 2334.4 | 2353.5 | 2360.4 | 2369.0 | 2367.2 |
| 10° | 2406.6 | 2454.8 | 2478.9 | 2517.2 | 2518.8 | 2528.6 | 2522.5 |
| 12.5° | 2533.6 | 2589.6 | 2633.6 | 2640.6 | 2672.9 | 2677.9 | 2686.2 |
| 15° | 2713.7 | 2773.1 | 2834.0 | 2855.9 | 2900.3 | 2910.9 | 2927.3 |
| 17.5° | 2882.9 | 2943.7 | 2986.4 | 3042.8 | 3061.0 | 3085.4 | 3068.8 |
| 20° | 2975.5 | 3041.8 | 3096.0 | 3140.4 | 3159.1 | 3172.7 | 3171.2 |
| 22.5° | 3031.5 | 3098.3 | 3142.2 | 3175.9 | 3193.4 | 3199.2 | 3198.9 |
| 25° | 3066.6 | 3104.9 | 3118.5 | 3131.3 | 3111.7 | 3104.9 | 3107.9 |
| 27.5° | 2969.1 | 2959.1 | 2923.8 | 2877.4 | 2829.2 | 2791.0 | 2770.2 |
| 30° | 2834.8 | 2776.1 | 2722.7 | 2629.3 | 2581.2 | 2552.6 | 2527.1 |
| 32.5° | 2644.6 | 2551.6 | 2448.7 | 2363.2 | 2308.5 | 2266.1 | 2259.7 |
| 35° | 2318.6 | 2178.6 | 2053.0 | 1948.3 | 1894.1 | 1848.2 | 1837.7 |
| 37.5° | 1971.2 | 1825.8 | 1712.6 | 1620.5 | 1562.3 | 1529.9 | 1499.7 |
| 40° | 1740.6 | 1615.7 | 1504.3 | 1426.1 | 1381.7 | 1358.3 | 1339.5 |
| 42.5° | 1563.0 | 1449.0 | 1338.1 | 1278.6 | 1238.4 | 1224.1 | 1213.1 |
| 45° | 1317.7 | 1211.5 | 1134.8 | 1089.7 | 1066.3 | 1042.3 | 1031.0 |
| 47.5° | 1121.2 | 1034.9 | 984.3 | 945.9 | 921.0 | 906.6 | 899.5 |
| 50° | 1009.9 | 939.1 | 894.0 | 864.7 | 842.1 | 830.8 | 824.8 |
| 52.5° | 911.2 | 853.1 | 815.1 | 791.8 | 776.5 | 768.2 | 765.8 |
| 55° | 784.9 | 740.5 | 716.4 | 696.1 | 684.9 | 677.3 | 674.3 |
| 57.5° | 682.2 | 648.1 | 628.5 | 611.8 | 607.5 | 601.2 | 599.0 |
| 60° | 614.8 | 588.5 | 571.9 | 560.6 | 556.9 | 549.3 | 550.8 |
| 62.5° | 555.3 | 533.7 | 519.5 | 513.1 | 508.1 | 501.8 | 503.9 |
| 65° | 469.6 | 453.7 | 446.3 | 440.3 | 434.2 | 430.5 | 433.5 |
| 67.5° | 394.0 | 383.2 | 373.0 | 369.5 | 366.5 | 365.9 | 362.7 |
| 70° | 344.7 | 335.6 | 326.6 | 324.3 | 324.3 | 321.3 | 320.6 |
| 72.5° | 297.1 | 290.5 | 284.5 | 282.8 | 280.4 | 281.6 | 278.4 |
| 75° | 229.5 | 224.2 | 222.0 | 219.7 | 219.0 | 219.0 | 216.7 |
| 77.5° | 169.7 | 165.7 | 162.1 | 162.1 | 159.4 | 158.3 | 158.1 |
| 80° | 128.7 | 127.1 | 124.1 | 124.1 | 122.6 | 123.4 | 121.9 |
| 82.5° | 96.8 | 94.6 | 94.1 | 92.8 | 90.8 | 90.9 | 89.4 |
| 85° | 51.9 | 49.7 | 48.9 | 46.7 | 45.1 | 46.7 | 45.1 |
| 87.5° | 20.8 | 20.5 | 19.8 | 18.8 | 18.3 | 18.2 | 16.3 |
| 90° | 14.0 | 14.7 | 14.7 | 15.5 | 16.2 | 15.5 | 15.5 |
| 92.5° | 109.0 | 86.7 | 71.9 | 63.2 | 59.3 | 56.7 | 56.7 |
| 95° | 431.9 | 333.1 | 261.6 | 225.6 | 202.6 | 189.5 | 179.8 |
| 97.5° | 764.4 | 692.3 | 615.4 | 562.5 | 518.1 | 496.0 | 480.7 |
| 100° | 903.5 | 867.4 | 812.9 | 748.8 | 703.8 | 681.7 | 675.8 |
| 102.5° | 957.8 | 968.3 | 945.6 | 906.3 | 873.6 | 850.4 | 845.6 |
| 105° | 952.9 | 1025.9 | 1056.1 | 1057.6 | 1051.7 | 1041.4 | 1037.0 |
| 107.5° | 877.0 | 979.8 | 1045.5 | 1081.9 | 1098.7 | 1106.1 | 1108.0 |
| 110° | 818.0 | 924.9 | 1006.0 | 1058.3 | 1089.3 | 1102.6 | 1109.2 |



TEST NUMBER: P332690-830

CATALOG NUMBER: SA4XXDIP-C1195D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|--------|--------|--------|--------|
| 112.5° | 766.2 | 867.1 | 948.2 | 1007.6 | 1045.1 | 1063.7 | 1074.4 |
| 115° | 706.8 | 793.0 | 863.7 | 922.0 | 966.2 | 989.8 | 995.7 |
| 117.5° | 672.9 | 740.6 | 800.7 | 850.4 | 887.5 | 911.3 | 916.0 |
| 120° | 658.2 | 717.1 | 769.4 | 811.4 | 843.9 | 863.0 | 871.1 |
| 122.5° | 648.7 | 702.4 | 748.2 | 783.7 | 811.4 | 827.6 | 835.8 |
| 125° | 633.9 | 684.7 | 725.2 | 754.7 | 776.1 | 790.0 | 794.5 |
| 127.5° | 616.2 | 666.9 | 705.5 | 735.1 | 754.1 | 765.9 | 770.3 |
| 130° | 602.1 | 652.2 | 691.3 | 721.5 | 740.0 | 751.8 | 756.2 |
| 132.5° | 586.2 | 635.2 | 674.2 | 703.8 | 724.6 | 735.8 | 740.3 |
| 135° | 562.3 | 607.3 | 644.1 | 673.6 | 694.3 | 706.1 | 710.5 |
| 137.5° | 539.5 | 577.4 | 610.7 | 638.2 | 658.6 | 668.3 | 673.6 |
| 140° | 524.7 | 557.9 | 588.9 | 614.6 | 630.8 | 641.2 | 647.1 |
| 142.5° | 512.4 | 540.8 | 567.6 | 590.5 | 605.5 | 614.6 | 618.8 |
| 145° | 495.3 | 517.4 | 538.0 | 556.5 | 568.9 | 576.4 | 580.0 |
| 147.5° | 480.5 | 498.2 | 514.4 | 528.0 | 538.8 | 544.3 | 545.6 |
| 150° | 471.6 | 486.4 | 499.6 | 511.5 | 521.0 | 525.5 | 526.2 |
| 152.5° | 462.8 | 476.4 | 487.3 | 497.3 | 505.1 | 507.7 | 508.5 |
| 155° | 450.3 | 461.4 | 470.2 | 477.6 | 483.4 | 485.7 | 485.7 |
| 157.5° | 437.9 | 447.2 | 454.3 | 459.9 | 464.3 | 465.6 | 465.6 |
| 160° | 429.7 | 437.8 | 443.7 | 448.1 | 452.5 | 453.3 | 453.3 |
| 162.5° | 422.0 | 428.4 | 433.7 | 436.9 | 441.3 | 442.1 | 441.5 |
| 165° | 410.5 | 415.7 | 419.3 | 422.3 | 425.3 | 424.5 | 423.8 |
| 167.5° | 400.8 | 404.9 | 407.1 | 408.6 | 410.5 | 410.4 | 409.7 |
| 170° | 394.3 | 397.3 | 399.4 | 401.0 | 401.6 | 401.0 | 401.0 |
| 172.5° | 389.0 | 390.8 | 392.4 | 393.2 | 394.0 | 393.2 | 392.1 |
| 175° | 381.7 | 383.2 | 383.2 | 383.2 | 384.7 | 383.2 | 381.7 |
| 177.5° | 377.5 | 377.5 | 378.1 | 377.5 | 378.1 | 376.9 | 375.7 |
| 180° | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 |

(END OF REPORT)