

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: P332636-840

Luminaire Tested: **SA4XXDIP-C1020D590U840-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332636-840
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-C1020D590U840-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1020 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

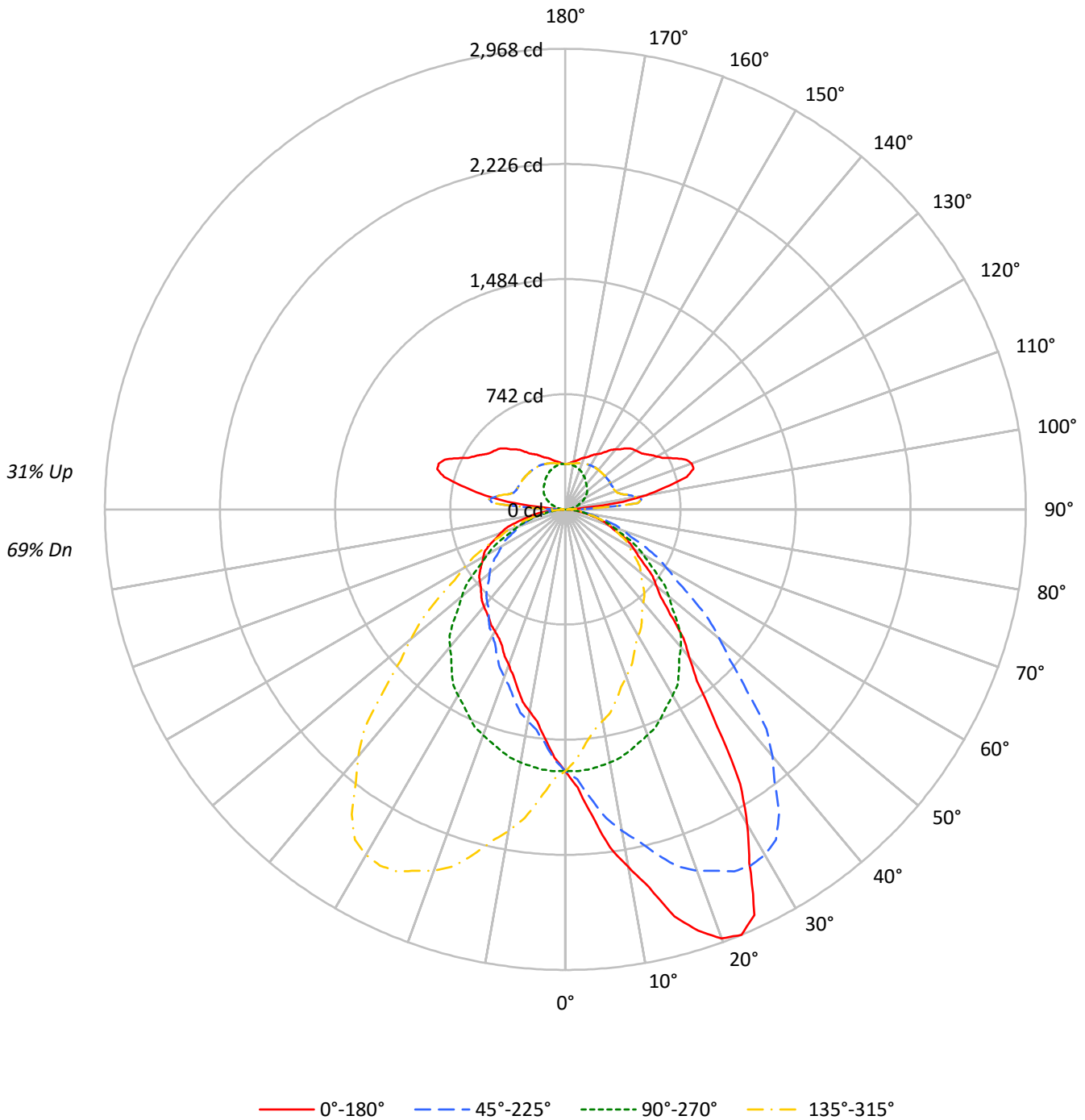
Lumens per Lamp: N/A
Luminaire Lumens: 6783.9 lumens
Efficiency: N/A
Efficacy: 139.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 48.8
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: P332636-840
CATALOG NUMBER: SA4XXDIP-C1020D590U840-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P332636-840

CATALOG NUMBER: SA4XXDIP-C1020D590U840-4F0-1E-UDD-A4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 112 | 112 | 112 | 112 | 105 | 105 | 105 | 105 | 94 | 94 | 94 | 83 | 83 | 83 | 73 | 73 | 73 | 69 |
| 1 | 102 | 98 | 94 | 90 | 96 | 93 | 89 | 86 | 83 | 80 | 78 | 74 | 72 | 70 | 65 | 64 | 62 | 58 |
| 2 | 93 | 86 | 80 | 74 | 88 | 81 | 76 | 71 | 73 | 69 | 65 | 65 | 62 | 59 | 58 | 55 | 53 | 49 |
| 3 | 85 | 76 | 68 | 62 | 80 | 72 | 65 | 60 | 65 | 59 | 55 | 58 | 54 | 50 | 51 | 48 | 46 | 42 |
| 4 | 78 | 67 | 59 | 53 | 74 | 64 | 57 | 51 | 58 | 52 | 47 | 52 | 47 | 43 | 46 | 43 | 39 | 36 |
| 5 | 72 | 60 | 52 | 46 | 68 | 57 | 50 | 44 | 52 | 46 | 41 | 47 | 42 | 38 | 42 | 38 | 35 | 32 |
| 6 | 67 | 54 | 46 | 40 | 63 | 52 | 44 | 39 | 47 | 41 | 36 | 42 | 37 | 33 | 38 | 34 | 31 | 28 |
| 7 | 62 | 49 | 41 | 35 | 58 | 47 | 40 | 34 | 43 | 36 | 32 | 39 | 33 | 30 | 35 | 31 | 27 | 25 |
| 8 | 57 | 45 | 37 | 32 | 54 | 43 | 36 | 31 | 39 | 33 | 29 | 35 | 30 | 27 | 32 | 28 | 25 | 22 |
| 9 | 54 | 41 | 33 | 28 | 51 | 39 | 32 | 27 | 36 | 30 | 26 | 33 | 28 | 24 | 30 | 25 | 22 | 20 |
| 10 | 50 | 38 | 30 | 26 | 47 | 36 | 29 | 25 | 33 | 27 | 23 | 30 | 25 | 22 | 27 | 23 | 20 | 18 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 13605 | 13605 | 13605 | 13605 |
| 5° | 16022 | 13639 | 12039 | 13639 |
| 10° | 19184 | 13581 | 10839 | 13581 |
| 15° | 22697 | 13443 | 9954 | 13443 |
| 20° | 25274 | 13302 | 9164 | 13302 |
| 25° | 25683 | 13097 | 8620 | 13097 |
| 30° | 21853 | 12899 | 8447 | 12899 |
| 35° | 16802 | 12577 | 8449 | 12577 |
| 40° | 13095 | 12198 | 8608 | 12198 |
| 45° | 10919 | 11628 | 8752 | 11628 |
| 50° | 9610 | 10934 | 9048 | 10934 |
| 55° | 8804 | 10101 | 9413 | 10101 |
| 60° | 8251 | 9357 | 9852 | 9357 |
| 65° | 7681 | 8521 | 10214 | 8521 |
| 70° | 7020 | 7695 | 10447 | 7695 |
| 75° | 6273 | 6772 | 10321 | 6772 |
| 80° | 5258 | 5551 | 9995 | 5551 |
| 85° | 3881 | 4011 | 9568 | 4011 |



TEST NUMBER: P332636-840

CATALOG NUMBER: SA4XXDIP-C1020D590U840-4F0-1E-UDD-A4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 164.2 | 2.4 |
| 10°-20° | 506.1 | 7.5 |
| 20°-30° | 802.5 | 11.8 |
| 30°-40° | 893.1 | 13.2 |
| 40°-50° | 812.9 | 12.0 |
| 50°-60° | 664.3 | 9.8 |
| 60°-70° | 474.2 | 7.0 |
| 70°-80° | 261.1 | 3.8 |
| 80°-90° | 72.9 | 1.1 |
| 90°-100° | 211.8 | 3.1 |
| 100°-110° | 440.8 | 6.5 |
| 110°-120° | 394.8 | 5.8 |
| 120°-130° | 332.1 | 4.9 |
| 130°-140° | 276.9 | 4.1 |
| 140°-150° | 211.5 | 3.1 |
| 150°-160° | 148.7 | 2.2 |
| 160°-170° | 87.5 | 1.3 |
| 170°-180° | 28.5 | 0.4 |
| 0°-30° | 1472.7 | 21.7 |
| 0°-40° | 2365.8 | 34.9 |
| 0°-60° | 3843.0 | 56.6 |
| 0°-90° | 4651.3 | 68.6 |
| 90°-120° | 1047.4 | 15.4 |
| 90°-150° | 1868.0 | 27.5 |
| 90°-180° | 2133.0 | 31.4 |
| 0°-180° | 6783.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1685 | 1685 | 1685 | 1685 | 1685 | |
| 5° | 1977 | 1683 | 1486 | 1683 | 1977 | 201 |
| 15° | 2716 | 1608 | 1191 | 1608 | 2716 | 767 |
| 25° | 2883 | 1470 | 968 | 1470 | 2883 | 1271 |
| 35° | 1705 | 1276 | 857 | 1276 | 1705 | 1082 |
| 45° | 956 | 1018 | 767 | 1018 | 956 | 753 |
| 55° | 626 | 718 | 669 | 718 | 626 | 565 |
| 65° | 402 | 446 | 535 | 446 | 402 | 398 |
| 75° | 201 | 217 | 331 | 217 | 201 | 214 |
| 85° | 42 | 43 | 103 | 43 | 42 | 51 |
| 90° | 12 | 1 | 12 | 1 | 12 | 11 |
| 95° | 141 | 19 | 141 | 19 | 141 | 218 |
| 105° | 810 | 67 | 810 | 67 | 810 | 801 |
| 115° | 778 | 119 | 778 | 119 | 778 | 773 |
| 125° | 621 | 165 | 621 | 165 | 621 | 564 |
| 135° | 555 | 196 | 555 | 196 | 555 | 429 |
| 145° | 453 | 226 | 453 | 226 | 453 | 287 |
| 155° | 380 | 258 | 380 | 258 | 380 | 177 |
| 165° | 331 | 280 | 331 | 280 | 331 | 95 |
| 175° | 298 | 293 | 298 | 293 | 298 | 29 |
| 180° | 293 | 293 | 293 | 293 | 293 | |



TEST NUMBER: P332636-840

CATALOG NUMBER: SA4XXDIP-C1020D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 |
| 2.5° | 1793.6 | 1793.1 | 1787.5 | 1786.4 | 1782.4 | 1777.5 | 1776.4 | 1767.4 | 1749.5 | 1741.1 | 1738.9 |
| 5° | 1977.1 | 1991.0 | 1972.9 | 1969.4 | 1967.3 | 1944.3 | 1932.4 | 1918.4 | 1886.3 | 1867.4 | 1852.8 |
| 7.5° | 2196.1 | 2197.7 | 2189.8 | 2183.3 | 2165.6 | 2145.5 | 2115.4 | 2083.3 | 2045.0 | 2005.2 | 1975.1 |
| 10° | 2340.2 | 2345.7 | 2336.6 | 2335.2 | 2299.7 | 2277.2 | 2232.6 | 2194.9 | 2151.6 | 2103.4 | 2059.5 |
| 12.5° | 2492.0 | 2484.2 | 2479.6 | 2449.7 | 2443.2 | 2402.4 | 2350.5 | 2311.7 | 2244.9 | 2189.5 | 2130.9 |
| 15° | 2715.7 | 2700.4 | 2690.6 | 2649.4 | 2629.2 | 2572.6 | 2517.4 | 2474.9 | 2387.6 | 2304.5 | 2241.7 |
| 17.5° | 2846.9 | 2862.4 | 2839.7 | 2822.8 | 2770.5 | 2730.8 | 2674.4 | 2585.1 | 2516.8 | 2413.6 | 2334.3 |
| 20° | 2941.9 | 2943.3 | 2930.7 | 2913.3 | 2872.1 | 2821.9 | 2760.4 | 2662.6 | 2581.0 | 2478.3 | 2369.4 |
| 22.5° | 2967.6 | 2967.9 | 2962.5 | 2946.2 | 2915.1 | 2874.3 | 2812.4 | 2730.8 | 2631.8 | 2520.2 | 2411.4 |
| 25° | 2883.3 | 2880.4 | 2886.8 | 2904.9 | 2893.1 | 2880.4 | 2844.9 | 2784.1 | 2692.0 | 2573.9 | 2456.7 |
| 27.5° | 2569.9 | 2589.2 | 2624.6 | 2669.4 | 2712.4 | 2745.2 | 2754.4 | 2742.0 | 2684.8 | 2587.8 | 2465.0 |
| 30° | 2344.3 | 2368.0 | 2394.6 | 2439.2 | 2525.8 | 2575.4 | 2629.9 | 2671.0 | 2648.0 | 2570.5 | 2456.0 |
| 32.5° | 2096.4 | 2102.2 | 2141.6 | 2192.4 | 2271.7 | 2367.0 | 2453.4 | 2537.0 | 2564.8 | 2524.2 | 2428.6 |
| 35° | 1704.9 | 1714.5 | 1757.2 | 1807.5 | 1904.5 | 2021.0 | 2150.9 | 2266.8 | 2362.5 | 2400.9 | 2352.0 |
| 37.5° | 1391.2 | 1419.3 | 1449.4 | 1503.4 | 1588.8 | 1693.7 | 1828.7 | 1978.6 | 2121.2 | 2216.7 | 2232.9 |
| 40° | 1242.6 | 1260.1 | 1281.7 | 1322.9 | 1395.5 | 1498.8 | 1614.8 | 1786.6 | 1938.0 | 2074.9 | 2119.5 |
| 42.5° | 1125.4 | 1135.6 | 1148.8 | 1186.1 | 1241.4 | 1344.1 | 1450.0 | 1601.0 | 1753.1 | 1916.7 | 1991.7 |
| 45° | 956.4 | 966.9 | 989.3 | 1010.9 | 1052.8 | 1124.0 | 1222.4 | 1346.7 | 1499.5 | 1657.4 | 1795.5 |
| 47.5° | 834.4 | 841.1 | 854.3 | 877.6 | 913.1 | 960.1 | 1040.2 | 1144.0 | 1285.7 | 1438.9 | 1586.1 |
| 50° | 765.2 | 770.7 | 781.2 | 802.1 | 829.4 | 871.2 | 936.9 | 1033.9 | 1144.9 | 1299.2 | 1443.7 |
| 52.5° | 710.4 | 712.7 | 720.3 | 734.6 | 756.2 | 791.4 | 845.3 | 925.5 | 1028.7 | 1166.3 | 1310.2 |
| 55° | 625.5 | 628.3 | 635.3 | 645.8 | 664.6 | 686.9 | 728.1 | 788.2 | 878.3 | 997.6 | 1122.6 |
| 57.5° | 555.7 | 557.6 | 563.5 | 567.5 | 583.1 | 601.3 | 632.9 | 675.8 | 744.1 | 845.3 | 956.8 |
| 60° | 511.0 | 509.7 | 516.6 | 520.1 | 530.6 | 545.9 | 570.4 | 611.6 | 670.9 | 752.6 | 855.2 |
| 62.5° | 467.5 | 465.5 | 471.4 | 475.9 | 482.0 | 495.1 | 515.0 | 547.3 | 595.5 | 669.3 | 758.0 |
| 65° | 402.1 | 399.3 | 402.8 | 408.4 | 413.9 | 421.0 | 435.7 | 464.2 | 502.6 | 555.7 | 623.4 |
| 67.5° | 336.5 | 339.4 | 340.0 | 342.7 | 346.0 | 355.5 | 365.6 | 385.8 | 412.8 | 455.3 | 512.7 |
| 70° | 297.4 | 298.1 | 300.9 | 300.9 | 303.0 | 311.3 | 319.7 | 331.6 | 358.1 | 397.3 | 444.0 |
| 72.5° | 258.3 | 261.3 | 260.1 | 262.4 | 263.9 | 269.4 | 275.6 | 286.9 | 309.5 | 338.6 | 378.1 |
| 75° | 201.1 | 203.2 | 203.2 | 203.9 | 205.9 | 208.0 | 212.9 | 221.3 | 237.3 | 259.0 | 286.2 |
| 77.5° | 146.6 | 146.9 | 147.8 | 150.4 | 150.4 | 153.7 | 157.3 | 164.1 | 172.0 | 186.8 | 203.4 |
| 80° | 113.1 | 114.5 | 113.8 | 115.2 | 115.2 | 118.0 | 119.4 | 127.7 | 131.3 | 141.0 | 154.3 |
| 82.5° | 82.9 | 84.3 | 84.2 | 86.1 | 87.3 | 87.9 | 89.8 | 93.1 | 96.6 | 105.2 | 110.7 |
| 85° | 41.9 | 43.3 | 41.9 | 43.3 | 45.3 | 46.0 | 48.2 | 48.9 | 51.7 | 53.7 | 58.7 |
| 87.5° | 14.7 | 16.4 | 16.5 | 17.0 | 18.0 | 18.5 | 19.0 | 18.3 | 20.4 | 21.1 | 23.0 |
| 90° | 12.1 | 12.1 | 12.6 | 12.1 | 11.5 | 11.5 | 10.9 | 10.4 | 9.8 | 10.4 | 9.2 |
| 92.5° | 44.3 | 44.3 | 46.4 | 49.4 | 56.2 | 67.8 | 85.1 | 113.1 | 152.2 | 182.7 | 160.0 |
| 95° | 140.6 | 148.0 | 158.4 | 176.3 | 204.5 | 260.3 | 337.6 | 426.9 | 482.7 | 469.5 | 354.3 |
| 97.5° | 375.7 | 387.7 | 405.0 | 439.7 | 481.0 | 541.2 | 597.5 | 630.7 | 606.5 | 494.5 | 331.6 |
| 100° | 528.3 | 532.9 | 550.2 | 585.3 | 635.4 | 678.0 | 706.3 | 694.8 | 610.7 | 463.1 | 300.7 |
| 102.5° | 661.0 | 664.7 | 682.9 | 708.3 | 739.1 | 756.9 | 748.7 | 691.6 | 576.0 | 424.0 | 279.9 |
| 105° | 810.5 | 814.0 | 822.0 | 826.7 | 825.6 | 801.9 | 744.9 | 645.2 | 513.3 | 377.9 | 262.2 |
| 107.5° | 866.1 | 864.5 | 858.8 | 845.7 | 817.2 | 765.9 | 685.5 | 579.5 | 462.6 | 352.1 | 258.9 |
| 110° | 867.0 | 861.8 | 851.4 | 827.3 | 786.4 | 723.0 | 639.4 | 539.8 | 437.3 | 343.4 | 259.8 |



TEST NUMBER: P332636-840

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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 839.8 | 831.4 | 816.9 | 787.6 | 741.1 | 677.8 | 598.8 | 510.8 | 422.9 | 339.2 | 262.6 |
| 115° | 778.3 | 773.7 | 755.3 | 720.6 | 675.2 | 619.9 | 552.5 | 481.6 | 409.6 | 337.0 | 267.9 |
| 117.5° | 716.0 | 712.4 | 693.7 | 664.7 | 625.8 | 579.0 | 525.9 | 467.3 | 403.6 | 336.4 | 273.5 |
| 120° | 681.0 | 674.6 | 659.6 | 634.3 | 601.4 | 560.5 | 514.4 | 460.9 | 400.4 | 336.4 | 277.7 |
| 122.5° | 653.3 | 646.9 | 634.3 | 612.6 | 584.8 | 549.0 | 507.1 | 455.3 | 396.7 | 336.0 | 281.9 |
| 125° | 621.0 | 617.5 | 606.6 | 589.9 | 566.8 | 535.1 | 495.4 | 445.9 | 390.6 | 335.3 | 288.0 |
| 127.5° | 602.1 | 598.6 | 589.5 | 574.6 | 551.4 | 521.4 | 481.7 | 434.3 | 382.4 | 334.0 | 293.0 |
| 130° | 591.1 | 587.6 | 578.3 | 564.0 | 540.4 | 509.8 | 470.7 | 425.2 | 377.3 | 333.6 | 296.7 |
| 132.5° | 578.7 | 575.1 | 566.4 | 550.2 | 526.9 | 496.4 | 458.2 | 415.5 | 372.7 | 333.1 | 299.9 |
| 135° | 555.3 | 551.9 | 542.7 | 526.5 | 503.5 | 474.6 | 439.6 | 402.1 | 365.8 | 332.3 | 304.8 |
| 137.5° | 526.5 | 522.4 | 514.8 | 498.9 | 477.4 | 451.3 | 421.7 | 390.0 | 359.8 | 332.2 | 307.6 |
| 140° | 505.8 | 501.2 | 493.1 | 480.5 | 460.3 | 436.1 | 410.2 | 383.0 | 356.6 | 331.8 | 309.9 |
| 142.5° | 483.6 | 480.5 | 473.3 | 461.5 | 443.7 | 422.7 | 400.5 | 376.7 | 353.9 | 331.8 | 311.7 |
| 145° | 453.3 | 450.5 | 444.7 | 434.9 | 420.5 | 404.5 | 387.1 | 367.5 | 349.1 | 330.6 | 312.9 |
| 147.5° | 426.6 | 425.5 | 421.1 | 412.7 | 402.1 | 389.4 | 375.6 | 360.0 | 344.9 | 328.6 | 313.4 |
| 150° | 411.3 | 410.7 | 407.3 | 399.8 | 390.6 | 380.2 | 368.7 | 355.5 | 341.6 | 327.2 | 313.4 |
| 152.5° | 397.5 | 396.9 | 394.9 | 388.7 | 380.9 | 372.3 | 361.7 | 350.3 | 337.9 | 324.9 | 312.5 |
| 155° | 379.6 | 379.6 | 377.9 | 373.3 | 367.5 | 360.6 | 351.9 | 342.7 | 332.3 | 321.4 | 311.0 |
| 157.5° | 364.0 | 364.0 | 362.9 | 359.5 | 355.1 | 349.5 | 342.3 | 334.6 | 326.8 | 317.9 | 309.6 |
| 160° | 354.3 | 354.3 | 353.8 | 350.2 | 346.8 | 342.1 | 335.9 | 329.5 | 322.7 | 315.1 | 308.2 |
| 162.5° | 345.1 | 345.6 | 345.0 | 341.5 | 339.0 | 334.8 | 329.8 | 324.5 | 318.9 | 312.4 | 306.8 |
| 165° | 331.2 | 331.8 | 332.3 | 330.1 | 327.8 | 324.9 | 320.8 | 317.4 | 312.9 | 308.2 | 304.2 |
| 167.5° | 320.3 | 320.7 | 320.8 | 319.4 | 318.2 | 316.5 | 313.3 | 310.6 | 307.3 | 304.1 | 301.4 |
| 170° | 313.4 | 313.4 | 314.0 | 313.4 | 312.3 | 310.5 | 308.2 | 306.5 | 303.6 | 301.2 | 299.5 |
| 172.5° | 306.5 | 307.4 | 308.0 | 307.4 | 306.7 | 305.5 | 304.1 | 302.8 | 300.3 | 298.5 | 297.7 |
| 175° | 298.4 | 299.5 | 300.7 | 299.5 | 299.5 | 299.5 | 298.4 | 297.8 | 296.7 | 295.5 | 295.5 |
| 177.5° | 293.7 | 294.6 | 295.5 | 295.1 | 295.5 | 295.1 | 295.1 | 294.6 | 294.2 | 293.7 | 293.7 |
| 180° | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 |



TEST NUMBER: P332636-840

CATALOG NUMBER: SA4XXDIP-C1020D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 |
| 2.5° | 1739.5 | 1731.6 | 1726.1 | 1721.6 | 1709.3 | 1702.0 | 1696.5 | 1688.6 | 1679.7 | 1670.2 | 1658.5 |
| 5° | 1838.2 | 1814.4 | 1797.0 | 1770.5 | 1745.3 | 1724.3 | 1702.7 | 1683.1 | 1659.4 | 1633.7 | 1614.8 |
| 7.5° | 1941.9 | 1906.6 | 1861.4 | 1822.1 | 1778.0 | 1739.6 | 1705.3 | 1670.0 | 1633.5 | 1598.0 | 1565.5 |
| 10° | 2007.8 | 1962.5 | 1912.2 | 1852.8 | 1797.0 | 1747.4 | 1701.3 | 1656.7 | 1613.4 | 1570.0 | 1533.1 |
| 12.5° | 2078.7 | 2022.2 | 1947.9 | 1878.6 | 1815.9 | 1749.7 | 1694.0 | 1639.3 | 1587.1 | 1541.6 | 1498.4 |
| 15° | 2173.9 | 2092.2 | 2006.4 | 1913.6 | 1831.2 | 1753.7 | 1677.6 | 1608.5 | 1549.8 | 1489.8 | 1447.9 |
| 17.5° | 2232.5 | 2131.4 | 2033.3 | 1936.2 | 1836.4 | 1738.8 | 1656.7 | 1576.9 | 1503.5 | 1443.9 | 1391.1 |
| 20° | 2271.0 | 2170.5 | 2048.3 | 1951.3 | 1832.6 | 1732.0 | 1637.1 | 1548.4 | 1471.7 | 1408.2 | 1353.6 |
| 22.5° | 2304.5 | 2188.4 | 2066.2 | 1938.4 | 1820.3 | 1713.6 | 1609.7 | 1520.6 | 1442.1 | 1375.1 | 1322.9 |
| 25° | 2322.7 | 2189.3 | 2056.7 | 1929.7 | 1795.5 | 1669.2 | 1575.0 | 1470.3 | 1386.4 | 1316.0 | 1260.1 |
| 27.5° | 2324.6 | 2182.0 | 2031.9 | 1890.8 | 1752.4 | 1634.8 | 1515.8 | 1422.2 | 1335.2 | 1260.7 | 1207.1 |
| 30° | 2318.4 | 2169.8 | 2008.5 | 1855.6 | 1716.7 | 1588.9 | 1485.6 | 1383.7 | 1295.1 | 1221.0 | 1165.2 |
| 32.5° | 2299.0 | 2144.0 | 1978.3 | 1816.5 | 1672.5 | 1547.6 | 1441.0 | 1344.0 | 1257.6 | 1184.7 | 1126.1 |
| 35° | 2242.4 | 2089.5 | 1912.9 | 1744.6 | 1597.3 | 1471.0 | 1374.6 | 1276.2 | 1189.6 | 1120.4 | 1064.0 |
| 37.5° | 2154.0 | 2015.8 | 1836.2 | 1662.1 | 1517.4 | 1390.5 | 1295.1 | 1206.1 | 1128.0 | 1057.8 | 999.9 |
| 40° | 2076.9 | 1955.4 | 1775.3 | 1605.7 | 1449.4 | 1328.6 | 1239.2 | 1157.5 | 1080.1 | 1013.7 | 958.6 |
| 42.5° | 1988.1 | 1882.3 | 1716.2 | 1536.4 | 1385.6 | 1264.4 | 1177.2 | 1103.9 | 1030.9 | 969.6 | 914.4 |
| 45° | 1829.8 | 1760.0 | 1603.6 | 1437.4 | 1280.4 | 1165.9 | 1082.8 | 1018.5 | 957.2 | 897.1 | 851.0 |
| 47.5° | 1647.7 | 1613.1 | 1481.5 | 1323.6 | 1174.6 | 1061.7 | 989.7 | 930.3 | 876.5 | 825.6 | 785.0 |
| 50° | 1525.4 | 1508.6 | 1394.8 | 1242.6 | 1100.2 | 994.1 | 921.5 | 870.6 | 824.5 | 779.8 | 741.4 |
| 52.5° | 1404.7 | 1404.2 | 1301.6 | 1162.3 | 1030.5 | 928.3 | 856.2 | 808.6 | 768.6 | 732.4 | 697.8 |
| 55° | 1220.3 | 1239.9 | 1159.6 | 1035.3 | 917.4 | 825.2 | 760.2 | 717.7 | 689.7 | 659.7 | 633.9 |
| 57.5° | 1051.0 | 1083.4 | 1017.1 | 907.7 | 809.3 | 724.4 | 667.8 | 635.8 | 606.1 | 587.9 | 569.2 |
| 60° | 940.4 | 971.1 | 919.5 | 827.3 | 734.5 | 661.9 | 608.0 | 579.5 | 553.6 | 541.1 | 527.8 |
| 62.5° | 842.1 | 869.5 | 831.2 | 745.8 | 665.2 | 595.3 | 550.0 | 522.5 | 505.0 | 491.3 | 482.5 |
| 65° | 701.7 | 724.7 | 691.9 | 629.8 | 560.6 | 504.7 | 467.8 | 446.1 | 429.4 | 423.7 | 413.9 |
| 67.5° | 567.1 | 588.1 | 570.4 | 517.6 | 462.1 | 419.9 | 390.9 | 370.1 | 360.2 | 355.4 | 348.4 |
| 70° | 487.3 | 508.3 | 489.4 | 443.3 | 400.7 | 365.2 | 337.9 | 326.0 | 315.6 | 313.5 | 303.7 |
| 72.5° | 419.7 | 433.9 | 415.2 | 379.1 | 342.6 | 312.7 | 291.5 | 279.1 | 273.7 | 269.9 | 264.6 |
| 75° | 314.9 | 327.4 | 314.9 | 286.9 | 261.1 | 240.1 | 222.0 | 217.1 | 210.9 | 208.7 | 205.2 |
| 77.5° | 222.9 | 233.7 | 224.1 | 206.6 | 187.3 | 171.2 | 161.4 | 155.1 | 153.7 | 150.1 | 151.8 |
| 80° | 170.4 | 177.3 | 168.2 | 156.4 | 141.0 | 129.9 | 122.9 | 119.4 | 115.2 | 113.8 | 116.5 |
| 82.5° | 122.3 | 125.4 | 120.8 | 112.8 | 101.4 | 94.1 | 89.4 | 85.3 | 84.4 | 84.7 | 84.7 |
| 85° | 63.5 | 62.8 | 62.1 | 55.1 | 51.7 | 46.8 | 44.0 | 43.3 | 42.6 | 44.0 | 45.3 |
| 87.5° | 22.8 | 23.4 | 22.1 | 19.9 | 18.1 | 16.4 | 15.5 | 14.6 | 15.5 | 16.4 | 17.0 |
| 90° | 8.1 | 8.1 | 4.6 | 4.6 | 4.0 | 3.4 | 1.7 | 0.6 | 1.7 | 3.4 | 4.0 |
| 92.5° | 116.3 | 71.7 | 42.4 | 30.4 | 22.0 | 14.9 | 9.6 | 6.6 | 9.6 | 14.9 | 22.0 |
| 95° | 216.6 | 122.1 | 72.0 | 47.8 | 34.0 | 26.5 | 20.7 | 19.0 | 20.7 | 26.5 | 34.0 |
| 97.5° | 194.7 | 116.7 | 78.2 | 57.9 | 45.9 | 39.1 | 34.1 | 34.1 | 34.1 | 39.1 | 45.9 |
| 100° | 183.2 | 118.1 | 84.1 | 65.6 | 54.7 | 47.8 | 43.8 | 43.8 | 43.8 | 47.8 | 54.7 |
| 102.5° | 180.0 | 122.7 | 91.9 | 74.4 | 63.9 | 57.5 | 53.9 | 53.0 | 53.9 | 57.5 | 63.9 |
| 105° | 181.5 | 133.6 | 106.0 | 89.3 | 79.0 | 72.0 | 69.2 | 67.4 | 69.2 | 72.0 | 79.0 |
| 107.5° | 190.0 | 146.4 | 121.1 | 104.6 | 94.7 | 87.4 | 84.4 | 83.3 | 84.4 | 87.4 | 94.7 |
| 110° | 196.4 | 156.1 | 130.8 | 115.2 | 104.8 | 98.0 | 95.0 | 93.9 | 95.0 | 98.0 | 104.8 |



TEST NUMBER: P332636-840

CATALOG NUMBER: SA4XXDIP-C1020D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 203.4 | 165.3 | 140.9 | 125.3 | 115.0 | 108.6 | 105.2 | 104.0 | 105.2 | 108.6 | 115.0 |
| 115° | 214.3 | 179.8 | 156.7 | 141.2 | 130.2 | 124.4 | 120.4 | 118.7 | 120.4 | 124.4 | 130.2 |
| 117.5° | 225.5 | 193.7 | 171.8 | 155.6 | 145.4 | 139.1 | 135.5 | 133.9 | 135.5 | 139.1 | 145.4 |
| 120° | 233.3 | 203.4 | 181.5 | 165.3 | 155.5 | 149.2 | 145.2 | 144.0 | 145.2 | 149.2 | 155.5 |
| 122.5° | 240.7 | 212.6 | 190.7 | 175.0 | 164.3 | 158.4 | 154.4 | 153.2 | 154.4 | 158.4 | 164.3 |
| 125° | 251.8 | 225.2 | 204.5 | 188.3 | 177.4 | 171.1 | 167.6 | 165.3 | 167.6 | 171.1 | 177.4 |
| 127.5° | 261.4 | 237.0 | 216.9 | 200.7 | 189.2 | 182.1 | 177.9 | 176.0 | 177.9 | 182.1 | 189.2 |
| 130° | 267.3 | 244.8 | 225.2 | 208.5 | 197.6 | 188.9 | 184.3 | 182.1 | 184.3 | 188.9 | 197.6 |
| 132.5° | 273.3 | 251.3 | 231.7 | 215.9 | 204.1 | 195.9 | 189.9 | 188.0 | 189.9 | 195.9 | 204.1 |
| 135° | 281.1 | 260.3 | 241.4 | 226.4 | 214.3 | 204.5 | 198.7 | 196.4 | 198.7 | 204.5 | 214.3 |
| 137.5° | 286.7 | 267.3 | 249.5 | 235.3 | 222.7 | 213.4 | 207.0 | 204.9 | 207.0 | 213.4 | 222.7 |
| 140° | 290.3 | 272.0 | 254.6 | 240.8 | 228.7 | 218.9 | 212.6 | 210.9 | 212.6 | 218.9 | 228.7 |
| 142.5° | 293.1 | 276.1 | 259.2 | 245.9 | 234.2 | 224.9 | 219.0 | 217.3 | 219.0 | 224.9 | 234.2 |
| 145° | 296.1 | 280.5 | 265.6 | 252.9 | 242.0 | 233.9 | 228.1 | 226.4 | 228.1 | 233.9 | 242.0 |
| 147.5° | 298.7 | 285.2 | 271.1 | 259.7 | 250.5 | 242.3 | 237.2 | 236.6 | 237.2 | 242.3 | 250.5 |
| 150° | 300.1 | 287.5 | 274.8 | 263.9 | 255.2 | 248.3 | 243.7 | 243.1 | 243.7 | 248.3 | 255.2 |
| 152.5° | 301.0 | 289.3 | 278.0 | 268.0 | 260.2 | 253.8 | 249.2 | 249.1 | 249.2 | 253.8 | 260.2 |
| 155° | 301.8 | 292.1 | 282.3 | 273.7 | 267.3 | 261.6 | 258.1 | 257.5 | 258.1 | 261.6 | 267.3 |
| 157.5° | 301.8 | 294.1 | 285.7 | 278.9 | 273.4 | 268.9 | 265.7 | 265.7 | 265.7 | 268.9 | 273.4 |
| 160° | 301.8 | 295.0 | 288.0 | 281.7 | 277.1 | 273.1 | 270.7 | 270.7 | 270.7 | 273.1 | 277.1 |
| 162.5° | 301.8 | 295.9 | 289.4 | 284.5 | 280.3 | 276.7 | 274.9 | 275.4 | 274.9 | 276.7 | 280.3 |
| 165° | 300.7 | 296.1 | 290.9 | 287.5 | 284.6 | 281.7 | 280.5 | 280.5 | 280.5 | 281.7 | 284.6 |
| 167.5° | 299.3 | 296.0 | 292.2 | 289.5 | 287.9 | 285.7 | 285.2 | 285.7 | 285.2 | 285.7 | 287.9 |
| 170° | 298.4 | 295.5 | 292.7 | 290.9 | 289.7 | 288.0 | 287.5 | 288.0 | 287.5 | 288.0 | 289.7 |
| 172.5° | 297.5 | 295.1 | 293.1 | 291.9 | 291.1 | 289.8 | 289.7 | 290.3 | 289.7 | 289.8 | 291.1 |
| 175° | 296.1 | 294.4 | 293.3 | 293.3 | 292.7 | 292.1 | 292.1 | 292.7 | 292.1 | 292.1 | 292.7 |
| 177.5° | 294.6 | 293.7 | 293.3 | 293.3 | 293.3 | 292.8 | 293.3 | 293.7 | 293.3 | 292.8 | 293.3 |
| 180° | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 |



TEST NUMBER: P332636-840

CATALOG NUMBER: SA4XXDIP-C1020D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 |
| 2.5° | 1652.8 | 1647.9 | 1640.6 | 1630.5 | 1622.1 | 1613.3 | 1611.0 | 1607.6 | 1614.4 | 1608.7 | 1607.1 |
| 5° | 1598.7 | 1584.1 | 1565.2 | 1543.6 | 1531.0 | 1512.9 | 1509.3 | 1502.4 | 1495.4 | 1494.7 | 1487.7 |
| 7.5° | 1541.4 | 1519.8 | 1495.1 | 1473.1 | 1452.7 | 1432.8 | 1419.9 | 1417.0 | 1406.7 | 1400.7 | 1393.7 |
| 10° | 1504.5 | 1477.9 | 1449.4 | 1428.4 | 1404.6 | 1383.7 | 1369.1 | 1360.7 | 1353.6 | 1345.9 | 1339.0 |
| 12.5° | 1460.9 | 1432.7 | 1409.1 | 1386.4 | 1358.3 | 1342.3 | 1318.2 | 1303.6 | 1302.3 | 1302.4 | 1284.2 |
| 15° | 1410.2 | 1382.3 | 1345.9 | 1313.8 | 1298.5 | 1267.8 | 1254.6 | 1237.8 | 1227.3 | 1216.8 | 1208.5 |
| 17.5° | 1352.3 | 1317.5 | 1289.2 | 1252.3 | 1222.9 | 1198.5 | 1181.1 | 1171.0 | 1155.3 | 1140.4 | 1129.7 |
| 20° | 1316.0 | 1279.0 | 1248.9 | 1209.8 | 1177.7 | 1147.7 | 1133.1 | 1119.1 | 1107.2 | 1094.7 | 1082.8 |
| 22.5° | 1279.1 | 1240.4 | 1203.7 | 1165.7 | 1135.9 | 1104.2 | 1090.0 | 1071.1 | 1059.8 | 1052.8 | 1040.9 |
| 25° | 1221.0 | 1179.1 | 1137.2 | 1101.0 | 1070.3 | 1042.3 | 1023.5 | 1008.8 | 996.2 | 990.7 | 983.0 |
| 27.5° | 1157.9 | 1116.3 | 1075.8 | 1034.6 | 999.8 | 979.5 | 964.4 | 953.3 | 946.1 | 938.7 | 935.2 |
| 30° | 1117.7 | 1074.4 | 1031.2 | 992.7 | 960.6 | 940.4 | 926.5 | 918.8 | 913.1 | 909.7 | 906.2 |
| 32.5° | 1076.9 | 1034.2 | 988.7 | 953.6 | 924.8 | 906.9 | 896.3 | 888.6 | 885.8 | 884.5 | 883.2 |
| 35° | 1011.6 | 968.3 | 926.5 | 895.0 | 867.8 | 860.8 | 851.7 | 847.5 | 846.2 | 851.0 | 853.1 |
| 37.5° | 948.4 | 908.2 | 869.6 | 839.1 | 821.3 | 811.1 | 808.0 | 808.2 | 813.1 | 817.5 | 822.5 |
| 40° | 907.6 | 868.5 | 832.1 | 805.7 | 788.9 | 782.6 | 781.2 | 784.7 | 790.3 | 795.2 | 800.7 |
| 42.5° | 867.9 | 829.4 | 796.4 | 771.5 | 759.8 | 754.1 | 755.0 | 758.4 | 766.3 | 772.2 | 780.6 |
| 45° | 806.4 | 774.3 | 742.1 | 721.9 | 712.1 | 713.5 | 713.5 | 719.7 | 727.4 | 736.5 | 745.6 |
| 47.5° | 748.4 | 716.0 | 689.6 | 672.6 | 667.5 | 666.3 | 670.2 | 678.4 | 689.4 | 700.6 | 713.4 |
| 50° | 709.3 | 678.5 | 655.5 | 640.2 | 634.6 | 636.7 | 642.3 | 649.9 | 663.2 | 677.2 | 690.4 |
| 52.5° | 669.6 | 641.7 | 620.4 | 606.1 | 602.2 | 606.0 | 611.6 | 623.7 | 635.3 | 650.4 | 666.4 |
| 55° | 608.0 | 584.3 | 567.5 | 557.1 | 555.7 | 557.8 | 564.1 | 577.3 | 594.1 | 613.0 | 628.3 |
| 57.5° | 546.7 | 526.9 | 511.6 | 504.3 | 505.0 | 507.0 | 517.4 | 533.1 | 551.0 | 571.1 | 590.9 |
| 60° | 505.4 | 487.3 | 474.7 | 469.2 | 469.8 | 474.0 | 486.6 | 501.3 | 523.6 | 543.1 | 564.1 |
| 62.5° | 466.4 | 450.4 | 438.4 | 433.4 | 432.4 | 441.6 | 453.6 | 468.9 | 491.2 | 513.0 | 535.6 |
| 65° | 403.5 | 390.9 | 381.2 | 378.4 | 380.5 | 387.5 | 402.8 | 423.0 | 441.9 | 464.9 | 488.7 |
| 67.5° | 342.0 | 331.7 | 325.1 | 326.3 | 328.8 | 339.1 | 352.0 | 369.4 | 390.8 | 414.7 | 438.2 |
| 70° | 303.0 | 293.2 | 287.6 | 288.3 | 292.6 | 305.1 | 316.3 | 333.7 | 356.8 | 381.2 | 400.7 |
| 72.5° | 262.8 | 256.3 | 251.4 | 254.3 | 258.4 | 267.1 | 281.0 | 298.5 | 318.8 | 341.5 | 362.1 |
| 75° | 201.8 | 201.8 | 198.9 | 201.1 | 207.3 | 215.7 | 226.2 | 244.4 | 264.6 | 282.8 | 299.5 |
| 77.5° | 149.7 | 148.1 | 150.0 | 152.5 | 156.1 | 166.0 | 178.0 | 191.0 | 206.2 | 224.4 | 238.2 |
| 80° | 114.5 | 115.2 | 118.7 | 122.9 | 124.3 | 132.0 | 144.5 | 156.4 | 168.2 | 183.6 | 196.8 |
| 82.5° | 86.0 | 86.7 | 88.6 | 93.8 | 95.2 | 103.5 | 111.6 | 123.4 | 134.2 | 144.5 | 155.5 |
| 85° | 46.8 | 46.8 | 50.3 | 52.3 | 55.8 | 61.4 | 66.3 | 73.3 | 83.1 | 90.1 | 100.5 |
| 87.5° | 18.8 | 18.8 | 21.7 | 22.8 | 24.7 | 27.8 | 28.8 | 35.0 | 37.4 | 40.3 | 45.3 |
| 90° | 4.6 | 4.6 | 8.1 | 8.1 | 9.2 | 10.4 | 9.8 | 10.4 | 10.9 | 11.5 | 11.5 |
| 92.5° | 30.4 | 42.4 | 71.7 | 116.3 | 160.0 | 182.7 | 152.2 | 113.1 | 85.1 | 67.8 | 56.2 |
| 95° | 47.8 | 72.0 | 122.1 | 216.6 | 354.3 | 469.5 | 482.7 | 426.9 | 337.6 | 260.3 | 204.5 |
| 97.5° | 57.9 | 78.2 | 116.7 | 194.7 | 331.6 | 494.5 | 606.5 | 630.7 | 597.5 | 541.2 | 481.0 |
| 100° | 65.6 | 84.1 | 118.1 | 183.2 | 300.7 | 463.1 | 610.7 | 694.8 | 706.3 | 678.0 | 635.4 |
| 102.5° | 74.4 | 91.9 | 122.7 | 180.0 | 279.9 | 424.0 | 576.0 | 691.6 | 748.7 | 756.9 | 739.1 |
| 105° | 89.3 | 106.0 | 133.6 | 181.5 | 262.2 | 377.9 | 513.3 | 645.2 | 744.9 | 801.9 | 825.6 |
| 107.5° | 104.6 | 121.1 | 146.4 | 190.0 | 258.9 | 352.1 | 462.6 | 579.5 | 685.5 | 765.9 | 817.2 |
| 110° | 115.2 | 130.8 | 156.1 | 196.4 | 259.8 | 343.4 | 437.3 | 539.8 | 639.4 | 723.0 | 786.4 |



TEST NUMBER: P332636-840

CATALOG NUMBER: SA4XXDIP-C1020D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 125.3 | 140.9 | 165.3 | 203.4 | 262.6 | 339.2 | 422.9 | 510.8 | 598.8 | 677.8 | 741.1 |
| 115° | 141.2 | 156.7 | 179.8 | 214.3 | 267.9 | 337.0 | 409.6 | 481.6 | 552.5 | 619.9 | 675.2 |
| 117.5° | 155.6 | 171.8 | 193.7 | 225.5 | 273.5 | 336.4 | 403.6 | 467.3 | 525.9 | 579.0 | 625.8 |
| 120° | 165.3 | 181.5 | 203.4 | 233.3 | 277.7 | 336.4 | 400.4 | 460.9 | 514.4 | 560.5 | 601.4 |
| 122.5° | 175.0 | 190.7 | 212.6 | 240.7 | 281.9 | 336.0 | 396.7 | 455.3 | 507.1 | 549.0 | 584.8 |
| 125° | 188.3 | 204.5 | 225.2 | 251.8 | 288.0 | 335.3 | 390.6 | 445.9 | 495.4 | 535.1 | 566.8 |
| 127.5° | 200.7 | 216.9 | 237.0 | 261.4 | 293.0 | 334.0 | 382.4 | 434.3 | 481.7 | 521.4 | 551.4 |
| 130° | 208.5 | 225.2 | 244.8 | 267.3 | 296.7 | 333.6 | 377.3 | 425.2 | 470.7 | 509.8 | 540.4 |
| 132.5° | 215.9 | 231.7 | 251.3 | 273.3 | 299.9 | 333.1 | 372.7 | 415.5 | 458.2 | 496.4 | 526.9 |
| 135° | 226.4 | 241.4 | 260.3 | 281.1 | 304.8 | 332.3 | 365.8 | 402.1 | 439.6 | 474.6 | 503.5 |
| 137.5° | 235.3 | 249.5 | 267.3 | 286.7 | 307.6 | 332.2 | 359.8 | 390.0 | 421.7 | 451.3 | 477.4 |
| 140° | 240.8 | 254.6 | 272.0 | 290.3 | 309.9 | 331.8 | 356.6 | 383.0 | 410.2 | 436.1 | 460.3 |
| 142.5° | 245.9 | 259.2 | 276.1 | 293.1 | 311.7 | 331.8 | 353.9 | 376.7 | 400.5 | 422.7 | 443.7 |
| 145° | 252.9 | 265.6 | 280.5 | 296.1 | 312.9 | 330.6 | 349.1 | 367.5 | 387.1 | 404.5 | 420.5 |
| 147.5° | 259.7 | 271.1 | 285.2 | 298.7 | 313.4 | 328.6 | 344.9 | 360.0 | 375.6 | 389.4 | 402.1 |
| 150° | 263.9 | 274.8 | 287.5 | 300.1 | 313.4 | 327.2 | 341.6 | 355.5 | 368.7 | 380.2 | 390.6 |
| 152.5° | 268.0 | 278.0 | 289.3 | 301.0 | 312.5 | 324.9 | 337.9 | 350.3 | 361.7 | 372.3 | 380.9 |
| 155° | 273.7 | 282.3 | 292.1 | 301.8 | 311.0 | 321.4 | 332.3 | 342.7 | 351.9 | 360.6 | 367.5 |
| 157.5° | 278.9 | 285.7 | 294.1 | 301.8 | 309.6 | 317.9 | 326.8 | 334.6 | 342.3 | 349.5 | 355.1 |
| 160° | 281.7 | 288.0 | 295.0 | 301.8 | 308.2 | 315.1 | 322.7 | 329.5 | 335.9 | 342.1 | 346.8 |
| 162.5° | 284.5 | 289.4 | 295.9 | 301.8 | 306.8 | 312.4 | 318.9 | 324.5 | 329.8 | 334.8 | 339.0 |
| 165° | 287.5 | 290.9 | 296.1 | 300.7 | 304.2 | 308.2 | 312.9 | 317.4 | 320.8 | 324.9 | 327.8 |
| 167.5° | 289.5 | 292.2 | 296.0 | 299.3 | 301.4 | 304.1 | 307.3 | 310.6 | 313.3 | 316.5 | 318.2 |
| 170° | 290.9 | 292.7 | 295.5 | 298.4 | 299.5 | 301.2 | 303.6 | 306.5 | 308.2 | 310.5 | 312.3 |
| 172.5° | 291.9 | 293.1 | 295.1 | 297.5 | 297.7 | 298.5 | 300.3 | 302.8 | 304.1 | 305.5 | 306.7 |
| 175° | 293.3 | 293.3 | 294.4 | 296.1 | 295.5 | 295.5 | 296.7 | 297.8 | 298.4 | 299.5 | 299.5 |
| 177.5° | 293.3 | 293.3 | 293.7 | 294.6 | 293.7 | 293.7 | 294.2 | 294.6 | 295.1 | 295.1 | 295.5 |
| 180° | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 |



TEST NUMBER: P332636-840
 CATALOG NUMBER: SA4XXDIP-C1020D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 |
| 2.5° | 1606.0 | 1604.9 | 1600.9 | 1600.4 | 1600.9 | 1604.9 | 1606.0 | 1607.1 | 1608.7 | 1614.4 | 1607.6 |
| 5° | 1483.5 | 1480.1 | 1477.9 | 1485.6 | 1477.9 | 1480.1 | 1483.5 | 1487.7 | 1494.7 | 1495.4 | 1502.4 |
| 7.5° | 1391.2 | 1388.5 | 1382.3 | 1380.4 | 1382.3 | 1388.5 | 1391.2 | 1393.7 | 1400.7 | 1406.7 | 1417.0 |
| 10° | 1332.0 | 1329.2 | 1323.6 | 1322.2 | 1323.6 | 1329.2 | 1332.0 | 1339.0 | 1345.9 | 1353.6 | 1360.7 |
| 12.5° | 1275.1 | 1269.5 | 1268.4 | 1269.7 | 1268.4 | 1269.5 | 1275.1 | 1284.2 | 1302.4 | 1302.3 | 1303.6 |
| 15° | 1199.4 | 1196.6 | 1188.9 | 1191.0 | 1188.9 | 1196.6 | 1199.4 | 1208.5 | 1216.8 | 1227.3 | 1237.8 |
| 17.5° | 1124.8 | 1121.5 | 1112.2 | 1120.3 | 1112.2 | 1121.5 | 1124.8 | 1129.7 | 1140.4 | 1155.3 | 1171.0 |
| 20° | 1077.9 | 1072.3 | 1067.4 | 1066.7 | 1067.4 | 1072.3 | 1077.9 | 1082.8 | 1094.7 | 1107.2 | 1119.1 |
| 22.5° | 1033.2 | 1028.2 | 1027.7 | 1023.2 | 1027.7 | 1028.2 | 1033.2 | 1040.9 | 1052.8 | 1059.8 | 1071.1 |
| 25° | 977.3 | 972.5 | 971.1 | 967.7 | 971.1 | 972.5 | 977.3 | 983.0 | 990.7 | 996.2 | 1008.8 |
| 27.5° | 934.5 | 932.1 | 929.6 | 930.7 | 929.6 | 932.1 | 934.5 | 935.2 | 938.7 | 946.1 | 953.3 |
| 30° | 908.3 | 907.6 | 906.2 | 906.2 | 906.2 | 907.6 | 908.3 | 906.2 | 909.7 | 913.1 | 918.8 |
| 32.5° | 886.5 | 886.4 | 887.2 | 887.2 | 887.2 | 886.4 | 886.5 | 883.2 | 884.5 | 885.8 | 888.6 |
| 35° | 855.9 | 858.0 | 859.4 | 857.3 | 859.4 | 858.0 | 855.9 | 853.1 | 851.0 | 846.2 | 847.5 |
| 37.5° | 828.3 | 830.3 | 832.3 | 834.7 | 832.3 | 830.3 | 828.3 | 822.5 | 817.5 | 813.1 | 808.2 |
| 40° | 807.0 | 811.9 | 813.3 | 816.8 | 813.3 | 811.9 | 807.0 | 800.7 | 795.2 | 790.3 | 784.7 |
| 42.5° | 786.9 | 792.3 | 796.0 | 796.7 | 796.0 | 792.3 | 786.9 | 780.6 | 772.2 | 766.3 | 758.4 |
| 45° | 756.1 | 761.6 | 766.6 | 766.6 | 766.6 | 761.6 | 756.1 | 745.6 | 736.5 | 727.4 | 719.7 |
| 47.5° | 724.1 | 732.2 | 737.1 | 738.3 | 737.1 | 732.2 | 724.1 | 713.4 | 700.6 | 689.4 | 678.4 |
| 50° | 702.4 | 712.1 | 717.0 | 720.4 | 717.0 | 712.1 | 702.4 | 690.4 | 677.2 | 663.2 | 649.9 |
| 52.5° | 681.1 | 690.8 | 697.4 | 699.2 | 697.4 | 690.8 | 681.1 | 666.4 | 650.4 | 635.3 | 623.7 |
| 55° | 644.4 | 658.3 | 666.0 | 668.8 | 666.0 | 658.3 | 644.4 | 628.3 | 613.0 | 594.1 | 577.3 |
| 57.5° | 609.8 | 622.6 | 631.6 | 633.6 | 631.6 | 622.6 | 609.8 | 590.9 | 571.1 | 551.0 | 533.1 |
| 60° | 582.9 | 596.9 | 608.0 | 610.2 | 608.0 | 596.9 | 582.9 | 564.1 | 543.1 | 523.6 | 501.3 |
| 62.5° | 555.5 | 570.1 | 580.2 | 585.6 | 580.2 | 570.1 | 555.5 | 535.6 | 513.0 | 491.2 | 468.9 |
| 65° | 508.3 | 522.9 | 532.7 | 534.7 | 532.7 | 522.9 | 508.3 | 488.7 | 464.9 | 441.9 | 423.0 |
| 67.5° | 456.6 | 471.2 | 477.7 | 481.7 | 477.7 | 471.2 | 456.6 | 438.2 | 414.7 | 390.8 | 369.4 |
| 70° | 420.3 | 432.1 | 439.1 | 442.6 | 439.1 | 432.1 | 420.3 | 400.7 | 381.2 | 356.8 | 333.7 |
| 72.5° | 378.9 | 391.3 | 399.5 | 400.2 | 399.5 | 391.3 | 378.9 | 362.1 | 341.5 | 318.8 | 298.5 |
| 75° | 315.6 | 326.7 | 330.9 | 330.9 | 330.9 | 326.7 | 315.6 | 299.5 | 282.8 | 264.6 | 244.4 |
| 77.5° | 249.7 | 255.5 | 260.8 | 262.0 | 260.8 | 255.5 | 249.7 | 238.2 | 224.4 | 206.2 | 191.0 |
| 80° | 207.3 | 210.9 | 215.0 | 215.0 | 215.0 | 210.9 | 207.3 | 196.8 | 183.6 | 168.2 | 156.4 |
| 82.5° | 163.8 | 166.7 | 170.9 | 170.4 | 170.9 | 166.7 | 163.8 | 155.5 | 144.5 | 134.2 | 123.4 |
| 85° | 99.2 | 105.4 | 104.7 | 103.3 | 104.7 | 105.4 | 99.2 | 100.5 | 90.1 | 83.1 | 73.3 |
| 87.5° | 47.1 | 47.8 | 49.4 | 50.5 | 49.4 | 47.8 | 47.1 | 45.3 | 40.3 | 37.4 | 35.0 |
| 90° | 12.1 | 12.6 | 12.1 | 12.1 | 12.1 | 12.6 | 12.1 | 11.5 | 11.5 | 10.9 | 10.4 |
| 92.5° | 49.4 | 46.4 | 44.3 | 44.3 | 44.3 | 46.4 | 49.4 | 56.2 | 67.8 | 85.1 | 113.1 |
| 95° | 176.3 | 158.4 | 148.0 | 140.6 | 148.0 | 158.4 | 176.3 | 204.5 | 260.3 | 337.6 | 426.9 |
| 97.5° | 439.7 | 405.0 | 387.7 | 375.7 | 387.7 | 405.0 | 439.7 | 481.0 | 541.2 | 597.5 | 630.7 |
| 100° | 585.3 | 550.2 | 532.9 | 528.3 | 532.9 | 550.2 | 585.3 | 635.4 | 678.0 | 706.3 | 694.8 |
| 102.5° | 708.3 | 682.9 | 664.7 | 661.0 | 664.7 | 682.9 | 708.3 | 739.1 | 756.9 | 748.7 | 691.6 |
| 105° | 826.7 | 822.0 | 814.0 | 810.5 | 814.0 | 822.0 | 826.7 | 825.6 | 801.9 | 744.9 | 645.2 |
| 107.5° | 845.7 | 858.8 | 864.5 | 866.1 | 864.5 | 858.8 | 845.7 | 817.2 | 765.9 | 685.5 | 579.5 |
| 110° | 827.3 | 851.4 | 861.8 | 867.0 | 861.8 | 851.4 | 827.3 | 786.4 | 723.0 | 639.4 | 539.8 |



TEST NUMBER: P332636-840

CATALOG NUMBER: SA4XXDIP-C1020D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 787.6 | 816.9 | 831.4 | 839.8 | 831.4 | 816.9 | 787.6 | 741.1 | 677.8 | 598.8 | 510.8 |
| 115° | 720.6 | 755.3 | 773.7 | 778.3 | 773.7 | 755.3 | 720.6 | 675.2 | 619.9 | 552.5 | 481.6 |
| 117.5° | 664.7 | 693.7 | 712.4 | 716.0 | 712.4 | 693.7 | 664.7 | 625.8 | 579.0 | 525.9 | 467.3 |
| 120° | 634.3 | 659.6 | 674.6 | 681.0 | 674.6 | 659.6 | 634.3 | 601.4 | 560.5 | 514.4 | 460.9 |
| 122.5° | 612.6 | 634.3 | 646.9 | 653.3 | 646.9 | 634.3 | 612.6 | 584.8 | 549.0 | 507.1 | 455.3 |
| 125° | 589.9 | 606.6 | 617.5 | 621.0 | 617.5 | 606.6 | 589.9 | 566.8 | 535.1 | 495.4 | 445.9 |
| 127.5° | 574.6 | 589.5 | 598.6 | 602.1 | 598.6 | 589.5 | 574.6 | 551.4 | 521.4 | 481.7 | 434.3 |
| 130° | 564.0 | 578.3 | 587.6 | 591.1 | 587.6 | 578.3 | 564.0 | 540.4 | 509.8 | 470.7 | 425.2 |
| 132.5° | 550.2 | 566.4 | 575.1 | 578.7 | 575.1 | 566.4 | 550.2 | 526.9 | 496.4 | 458.2 | 415.5 |
| 135° | 526.5 | 542.7 | 551.9 | 555.3 | 551.9 | 542.7 | 526.5 | 503.5 | 474.6 | 439.6 | 402.1 |
| 137.5° | 498.9 | 514.8 | 522.4 | 526.5 | 522.4 | 514.8 | 498.9 | 477.4 | 451.3 | 421.7 | 390.0 |
| 140° | 480.5 | 493.1 | 501.2 | 505.8 | 501.2 | 493.1 | 480.5 | 460.3 | 436.1 | 410.2 | 383.0 |
| 142.5° | 461.5 | 473.3 | 480.5 | 483.6 | 480.5 | 473.3 | 461.5 | 443.7 | 422.7 | 400.5 | 376.7 |
| 145° | 434.9 | 444.7 | 450.5 | 453.3 | 450.5 | 444.7 | 434.9 | 420.5 | 404.5 | 387.1 | 367.5 |
| 147.5° | 412.7 | 421.1 | 425.5 | 426.6 | 425.5 | 421.1 | 412.7 | 402.1 | 389.4 | 375.6 | 360.0 |
| 150° | 399.8 | 407.3 | 410.7 | 411.3 | 410.7 | 407.3 | 399.8 | 390.6 | 380.2 | 368.7 | 355.5 |
| 152.5° | 388.7 | 394.9 | 396.9 | 397.5 | 396.9 | 394.9 | 388.7 | 380.9 | 372.3 | 361.7 | 350.3 |
| 155° | 373.3 | 377.9 | 379.6 | 379.6 | 379.6 | 377.9 | 373.3 | 367.5 | 360.6 | 351.9 | 342.7 |
| 157.5° | 359.5 | 362.9 | 364.0 | 364.0 | 364.0 | 362.9 | 359.5 | 355.1 | 349.5 | 342.3 | 334.6 |
| 160° | 350.2 | 353.8 | 354.3 | 354.3 | 354.3 | 353.8 | 350.2 | 346.8 | 342.1 | 335.9 | 329.5 |
| 162.5° | 341.5 | 345.0 | 345.6 | 345.1 | 345.6 | 345.0 | 341.5 | 339.0 | 334.8 | 329.8 | 324.5 |
| 165° | 330.1 | 332.3 | 331.8 | 331.2 | 331.8 | 332.3 | 330.1 | 327.8 | 324.9 | 320.8 | 317.4 |
| 167.5° | 319.4 | 320.8 | 320.7 | 320.3 | 320.7 | 320.8 | 319.4 | 318.2 | 316.5 | 313.3 | 310.6 |
| 170° | 313.4 | 314.0 | 313.4 | 313.4 | 313.4 | 314.0 | 313.4 | 312.3 | 310.5 | 308.2 | 306.5 |
| 172.5° | 307.4 | 308.0 | 307.4 | 306.5 | 307.4 | 308.0 | 307.4 | 306.7 | 305.5 | 304.1 | 302.8 |
| 175° | 299.5 | 300.7 | 299.5 | 298.4 | 299.5 | 300.7 | 299.5 | 299.5 | 299.5 | 298.4 | 297.8 |
| 177.5° | 295.1 | 295.5 | 294.6 | 293.7 | 294.6 | 295.5 | 295.1 | 295.5 | 295.1 | 295.1 | 294.6 |
| 180° | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 |



TEST NUMBER: P332636-840

CATALOG NUMBER: SA4XXDIP-C1020D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 |
| 2.5° | 1611.0 | 1613.3 | 1622.1 | 1630.5 | 1640.6 | 1647.9 | 1652.8 | 1658.5 | 1670.2 | 1679.7 | 1688.6 |
| 5° | 1509.3 | 1512.9 | 1531.0 | 1543.6 | 1565.2 | 1584.1 | 1598.7 | 1614.8 | 1633.7 | 1659.4 | 1683.1 |
| 7.5° | 1419.9 | 1432.8 | 1452.7 | 1473.1 | 1495.1 | 1519.8 | 1541.4 | 1565.5 | 1598.0 | 1633.5 | 1670.0 |
| 10° | 1369.1 | 1383.7 | 1404.6 | 1428.4 | 1449.4 | 1477.9 | 1504.5 | 1533.1 | 1570.0 | 1613.4 | 1656.7 |
| 12.5° | 1318.2 | 1342.3 | 1358.3 | 1386.4 | 1409.1 | 1432.7 | 1460.9 | 1498.4 | 1541.6 | 1587.1 | 1639.3 |
| 15° | 1254.6 | 1267.8 | 1298.5 | 1313.8 | 1345.9 | 1382.3 | 1410.2 | 1447.9 | 1489.8 | 1549.8 | 1608.5 |
| 17.5° | 1181.1 | 1198.5 | 1222.9 | 1252.3 | 1289.2 | 1317.5 | 1352.3 | 1391.1 | 1443.9 | 1503.5 | 1576.9 |
| 20° | 1133.1 | 1147.7 | 1177.7 | 1209.8 | 1248.9 | 1279.0 | 1316.0 | 1353.6 | 1408.2 | 1471.7 | 1548.4 |
| 22.5° | 1090.0 | 1104.2 | 1135.9 | 1165.7 | 1203.7 | 1240.4 | 1279.1 | 1322.9 | 1375.1 | 1442.1 | 1520.6 |
| 25° | 1023.5 | 1042.3 | 1070.3 | 1101.0 | 1137.2 | 1179.1 | 1221.0 | 1260.1 | 1316.0 | 1386.4 | 1470.3 |
| 27.5° | 964.4 | 979.5 | 999.8 | 1034.6 | 1075.8 | 1116.3 | 1157.9 | 1207.1 | 1260.7 | 1335.2 | 1422.2 |
| 30° | 926.5 | 940.4 | 960.6 | 992.7 | 1031.2 | 1074.4 | 1117.7 | 1165.2 | 1221.0 | 1295.1 | 1383.7 |
| 32.5° | 896.3 | 906.9 | 924.8 | 953.6 | 988.7 | 1034.2 | 1076.9 | 1126.1 | 1184.7 | 1257.6 | 1344.0 |
| 35° | 851.7 | 860.8 | 867.8 | 895.0 | 926.5 | 968.3 | 1011.6 | 1064.0 | 1120.4 | 1189.6 | 1276.2 |
| 37.5° | 808.0 | 811.1 | 821.3 | 839.1 | 869.6 | 908.2 | 948.4 | 999.9 | 1057.8 | 1128.0 | 1206.1 |
| 40° | 781.2 | 782.6 | 788.9 | 805.7 | 832.1 | 868.5 | 907.6 | 958.6 | 1013.7 | 1080.1 | 1157.5 |
| 42.5° | 755.0 | 754.1 | 759.8 | 771.5 | 796.4 | 829.4 | 867.9 | 914.4 | 969.6 | 1030.9 | 1103.9 |
| 45° | 713.5 | 713.5 | 712.1 | 721.9 | 742.1 | 774.3 | 806.4 | 851.0 | 897.1 | 957.2 | 1018.5 |
| 47.5° | 670.2 | 666.3 | 667.5 | 672.6 | 689.6 | 716.0 | 748.4 | 785.0 | 825.6 | 876.5 | 930.3 |
| 50° | 642.3 | 636.7 | 634.6 | 640.2 | 655.5 | 678.5 | 709.3 | 741.4 | 779.8 | 824.5 | 870.6 |
| 52.5° | 611.6 | 606.0 | 602.2 | 606.1 | 620.4 | 641.7 | 669.6 | 697.8 | 732.4 | 768.6 | 808.6 |
| 55° | 564.1 | 557.8 | 555.7 | 557.1 | 567.5 | 584.3 | 608.0 | 633.9 | 659.7 | 689.7 | 717.7 |
| 57.5° | 517.4 | 507.0 | 505.0 | 504.3 | 511.6 | 526.9 | 546.7 | 569.2 | 587.9 | 606.1 | 635.8 |
| 60° | 486.6 | 474.0 | 469.8 | 469.2 | 474.7 | 487.3 | 505.4 | 527.8 | 541.1 | 553.6 | 579.5 |
| 62.5° | 453.6 | 441.6 | 432.4 | 433.4 | 438.4 | 450.4 | 466.4 | 482.5 | 491.3 | 505.0 | 522.5 |
| 65° | 402.8 | 387.5 | 380.5 | 378.4 | 381.2 | 390.9 | 403.5 | 413.9 | 423.7 | 429.4 | 446.1 |
| 67.5° | 352.0 | 339.1 | 328.8 | 326.3 | 325.1 | 331.7 | 342.0 | 348.4 | 355.4 | 360.2 | 370.1 |
| 70° | 316.3 | 305.1 | 292.6 | 288.3 | 287.6 | 293.2 | 303.0 | 303.7 | 313.5 | 315.6 | 326.0 |
| 72.5° | 281.0 | 267.1 | 258.4 | 254.3 | 251.4 | 256.3 | 262.8 | 264.6 | 269.9 | 273.7 | 279.1 |
| 75° | 226.2 | 215.7 | 207.3 | 201.1 | 198.9 | 201.8 | 201.8 | 205.2 | 208.7 | 210.9 | 217.1 |
| 77.5° | 178.0 | 166.0 | 156.1 | 152.5 | 150.0 | 148.1 | 149.7 | 151.8 | 150.1 | 153.7 | 155.1 |
| 80° | 144.5 | 132.0 | 124.3 | 122.9 | 118.7 | 115.2 | 114.5 | 116.5 | 113.8 | 115.2 | 119.4 |
| 82.5° | 111.6 | 103.5 | 95.2 | 93.8 | 88.6 | 86.7 | 86.0 | 84.7 | 84.7 | 84.4 | 85.3 |
| 85° | 66.3 | 61.4 | 55.8 | 52.3 | 50.3 | 46.8 | 46.8 | 45.3 | 44.0 | 42.6 | 43.3 |
| 87.5° | 28.8 | 27.8 | 24.7 | 22.8 | 21.7 | 18.8 | 18.8 | 17.0 | 16.4 | 15.5 | 14.6 |
| 90° | 9.8 | 10.4 | 9.2 | 8.1 | 8.1 | 4.6 | 4.6 | 4.0 | 3.4 | 1.7 | 0.6 |
| 92.5° | 152.2 | 182.7 | 160.0 | 116.3 | 71.7 | 42.4 | 30.4 | 22.0 | 14.9 | 9.6 | 6.6 |
| 95° | 482.7 | 469.5 | 354.3 | 216.6 | 122.1 | 72.0 | 47.8 | 34.0 | 26.5 | 20.7 | 19.0 |
| 97.5° | 606.5 | 494.5 | 331.6 | 194.7 | 116.7 | 78.2 | 57.9 | 45.9 | 39.1 | 34.1 | 34.1 |
| 100° | 610.7 | 463.1 | 300.7 | 183.2 | 118.1 | 84.1 | 65.6 | 54.7 | 47.8 | 43.8 | 43.8 |
| 102.5° | 576.0 | 424.0 | 279.9 | 180.0 | 122.7 | 91.9 | 74.4 | 63.9 | 57.5 | 53.9 | 53.0 |
| 105° | 513.3 | 377.9 | 262.2 | 181.5 | 133.6 | 106.0 | 89.3 | 79.0 | 72.0 | 69.2 | 67.4 |
| 107.5° | 462.6 | 352.1 | 258.9 | 190.0 | 146.4 | 121.1 | 104.6 | 94.7 | 87.4 | 84.4 | 83.3 |
| 110° | 437.3 | 343.4 | 259.8 | 196.4 | 156.1 | 130.8 | 115.2 | 104.8 | 98.0 | 95.0 | 93.9 |



TEST NUMBER: P332636-840

CATALOG NUMBER: SA4XXDIP-C1020D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 422.9 | 339.2 | 262.6 | 203.4 | 165.3 | 140.9 | 125.3 | 115.0 | 108.6 | 105.2 | 104.0 |
| 115° | 409.6 | 337.0 | 267.9 | 214.3 | 179.8 | 156.7 | 141.2 | 130.2 | 124.4 | 120.4 | 118.7 |
| 117.5° | 403.6 | 336.4 | 273.5 | 225.5 | 193.7 | 171.8 | 155.6 | 145.4 | 139.1 | 135.5 | 133.9 |
| 120° | 400.4 | 336.4 | 277.7 | 233.3 | 203.4 | 181.5 | 165.3 | 155.5 | 149.2 | 145.2 | 144.0 |
| 122.5° | 396.7 | 336.0 | 281.9 | 240.7 | 212.6 | 190.7 | 175.0 | 164.3 | 158.4 | 154.4 | 153.2 |
| 125° | 390.6 | 335.3 | 288.0 | 251.8 | 225.2 | 204.5 | 188.3 | 177.4 | 171.1 | 167.6 | 165.3 |
| 127.5° | 382.4 | 334.0 | 293.0 | 261.4 | 237.0 | 216.9 | 200.7 | 189.2 | 182.1 | 177.9 | 176.0 |
| 130° | 377.3 | 333.6 | 296.7 | 267.3 | 244.8 | 225.2 | 208.5 | 197.6 | 188.9 | 184.3 | 182.1 |
| 132.5° | 372.7 | 333.1 | 299.9 | 273.3 | 251.3 | 231.7 | 215.9 | 204.1 | 195.9 | 189.9 | 188.0 |
| 135° | 365.8 | 332.3 | 304.8 | 281.1 | 260.3 | 241.4 | 226.4 | 214.3 | 204.5 | 198.7 | 196.4 |
| 137.5° | 359.8 | 332.2 | 307.6 | 286.7 | 267.3 | 249.5 | 235.3 | 222.7 | 213.4 | 207.0 | 204.9 |
| 140° | 356.6 | 331.8 | 309.9 | 290.3 | 272.0 | 254.6 | 240.8 | 228.7 | 218.9 | 212.6 | 210.9 |
| 142.5° | 353.9 | 331.8 | 311.7 | 293.1 | 276.1 | 259.2 | 245.9 | 234.2 | 224.9 | 219.0 | 217.3 |
| 145° | 349.1 | 330.6 | 312.9 | 296.1 | 280.5 | 265.6 | 252.9 | 242.0 | 233.9 | 228.1 | 226.4 |
| 147.5° | 344.9 | 328.6 | 313.4 | 298.7 | 285.2 | 271.1 | 259.7 | 250.5 | 242.3 | 237.2 | 236.6 |
| 150° | 341.6 | 327.2 | 313.4 | 300.1 | 287.5 | 274.8 | 263.9 | 255.2 | 248.3 | 243.7 | 243.1 |
| 152.5° | 337.9 | 324.9 | 312.5 | 301.0 | 289.3 | 278.0 | 268.0 | 260.2 | 253.8 | 249.2 | 249.1 |
| 155° | 332.3 | 321.4 | 311.0 | 301.8 | 292.1 | 282.3 | 273.7 | 267.3 | 261.6 | 258.1 | 257.5 |
| 157.5° | 326.8 | 317.9 | 309.6 | 301.8 | 294.1 | 285.7 | 278.9 | 273.4 | 268.9 | 265.7 | 265.7 |
| 160° | 322.7 | 315.1 | 308.2 | 301.8 | 295.0 | 288.0 | 281.7 | 277.1 | 273.1 | 270.7 | 270.7 |
| 162.5° | 318.9 | 312.4 | 306.8 | 301.8 | 295.9 | 289.4 | 284.5 | 280.3 | 276.7 | 274.9 | 275.4 |
| 165° | 312.9 | 308.2 | 304.2 | 300.7 | 296.1 | 290.9 | 287.5 | 284.6 | 281.7 | 280.5 | 280.5 |
| 167.5° | 307.3 | 304.1 | 301.4 | 299.3 | 296.0 | 292.2 | 289.5 | 287.9 | 285.7 | 285.2 | 285.7 |
| 170° | 303.6 | 301.2 | 299.5 | 298.4 | 295.5 | 292.7 | 290.9 | 289.7 | 288.0 | 287.5 | 288.0 |
| 172.5° | 300.3 | 298.5 | 297.7 | 297.5 | 295.1 | 293.1 | 291.9 | 291.1 | 289.8 | 289.7 | 290.3 |
| 175° | 296.7 | 295.5 | 295.5 | 296.1 | 294.4 | 293.3 | 293.3 | 292.7 | 292.1 | 292.1 | 292.7 |
| 177.5° | 294.2 | 293.7 | 293.7 | 294.6 | 293.7 | 293.3 | 293.3 | 293.3 | 292.8 | 293.3 | 293.7 |
| 180° | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 |



TEST NUMBER: P332636-840

CATALOG NUMBER: SA4XXDIP-C1020D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 |
| 2.5° | 1696.5 | 1702.0 | 1709.3 | 1721.6 | 1726.1 | 1731.6 | 1739.5 | 1738.9 | 1741.1 | 1749.5 | 1767.4 |
| 5° | 1702.7 | 1724.3 | 1745.3 | 1770.5 | 1797.0 | 1814.4 | 1838.2 | 1852.8 | 1867.4 | 1886.3 | 1918.4 |
| 7.5° | 1705.3 | 1739.6 | 1778.0 | 1822.1 | 1861.4 | 1906.6 | 1941.9 | 1975.1 | 2005.2 | 2045.0 | 2083.3 |
| 10° | 1701.3 | 1747.4 | 1797.0 | 1852.8 | 1912.2 | 1962.5 | 2007.8 | 2059.5 | 2103.4 | 2151.6 | 2194.9 |
| 12.5° | 1694.0 | 1749.7 | 1815.9 | 1878.6 | 1947.9 | 2022.2 | 2078.7 | 2130.9 | 2189.5 | 2244.9 | 2311.7 |
| 15° | 1677.6 | 1753.7 | 1831.2 | 1913.6 | 2006.4 | 2092.2 | 2173.9 | 2241.7 | 2304.5 | 2387.6 | 2474.9 |
| 17.5° | 1656.7 | 1738.8 | 1836.4 | 1936.2 | 2033.3 | 2131.4 | 2232.5 | 2334.3 | 2413.6 | 2516.8 | 2585.1 |
| 20° | 1637.1 | 1732.0 | 1832.6 | 1951.3 | 2048.3 | 2170.5 | 2271.0 | 2369.4 | 2478.3 | 2581.0 | 2662.6 |
| 22.5° | 1609.7 | 1713.6 | 1820.3 | 1938.4 | 2066.2 | 2188.4 | 2304.5 | 2411.4 | 2520.2 | 2631.8 | 2730.8 |
| 25° | 1575.0 | 1669.2 | 1795.5 | 1929.7 | 2056.7 | 2189.3 | 2322.7 | 2456.7 | 2573.9 | 2692.0 | 2784.1 |
| 27.5° | 1515.8 | 1634.8 | 1752.4 | 1890.8 | 2031.9 | 2182.0 | 2324.6 | 2465.0 | 2587.8 | 2684.8 | 2742.0 |
| 30° | 1485.6 | 1588.9 | 1716.7 | 1855.6 | 2008.5 | 2169.8 | 2318.4 | 2456.0 | 2570.5 | 2648.0 | 2671.0 |
| 32.5° | 1441.0 | 1547.6 | 1672.5 | 1816.5 | 1978.3 | 2144.0 | 2299.0 | 2428.6 | 2524.2 | 2564.8 | 2537.0 |
| 35° | 1374.6 | 1471.0 | 1597.3 | 1744.6 | 1912.9 | 2089.5 | 2242.4 | 2352.0 | 2400.9 | 2362.5 | 2266.8 |
| 37.5° | 1295.1 | 1390.5 | 1517.4 | 1662.1 | 1836.2 | 2015.8 | 2154.0 | 2232.9 | 2216.7 | 2121.2 | 1978.6 |
| 40° | 1239.2 | 1328.6 | 1449.4 | 1605.7 | 1775.3 | 1955.4 | 2076.9 | 2119.5 | 2074.9 | 1938.0 | 1786.6 |
| 42.5° | 1177.2 | 1264.4 | 1385.6 | 1536.4 | 1716.2 | 1882.3 | 1988.1 | 1991.7 | 1916.7 | 1753.1 | 1601.0 |
| 45° | 1082.8 | 1165.9 | 1280.4 | 1437.4 | 1603.6 | 1760.0 | 1829.8 | 1795.5 | 1657.4 | 1499.5 | 1346.7 |
| 47.5° | 989.7 | 1061.7 | 1174.6 | 1323.6 | 1481.5 | 1613.1 | 1647.7 | 1586.1 | 1438.9 | 1285.7 | 1144.0 |
| 50° | 921.5 | 994.1 | 1100.2 | 1242.6 | 1394.8 | 1508.6 | 1525.4 | 1443.7 | 1299.2 | 1144.9 | 1033.9 |
| 52.5° | 856.2 | 928.3 | 1030.5 | 1162.3 | 1301.6 | 1404.2 | 1404.7 | 1310.2 | 1166.3 | 1028.7 | 925.5 |
| 55° | 760.2 | 825.2 | 917.4 | 1035.3 | 1159.6 | 1239.9 | 1220.3 | 1122.6 | 997.6 | 878.3 | 788.2 |
| 57.5° | 667.8 | 724.4 | 809.3 | 907.7 | 1017.1 | 1083.4 | 1051.0 | 956.8 | 845.3 | 744.1 | 675.8 |
| 60° | 608.0 | 661.9 | 734.5 | 827.3 | 919.5 | 971.1 | 940.4 | 855.2 | 752.6 | 670.9 | 611.6 |
| 62.5° | 550.0 | 595.3 | 665.2 | 745.8 | 831.2 | 869.5 | 842.1 | 758.0 | 669.3 | 595.5 | 547.3 |
| 65° | 467.8 | 504.7 | 560.6 | 629.8 | 691.9 | 724.7 | 701.7 | 623.4 | 555.7 | 502.6 | 464.2 |
| 67.5° | 390.9 | 419.9 | 462.1 | 517.6 | 570.4 | 588.1 | 567.1 | 512.7 | 455.3 | 412.8 | 385.8 |
| 70° | 337.9 | 365.2 | 400.7 | 443.3 | 489.4 | 508.3 | 487.3 | 444.0 | 397.3 | 358.1 | 331.6 |
| 72.5° | 291.5 | 312.7 | 342.6 | 379.1 | 415.2 | 433.9 | 419.7 | 378.1 | 338.6 | 309.5 | 286.9 |
| 75° | 222.0 | 240.1 | 261.1 | 286.9 | 314.9 | 327.4 | 314.9 | 286.2 | 259.0 | 237.3 | 221.3 |
| 77.5° | 161.4 | 171.2 | 187.3 | 206.6 | 224.1 | 233.7 | 222.9 | 203.4 | 186.8 | 172.0 | 164.1 |
| 80° | 122.9 | 129.9 | 141.0 | 156.4 | 168.2 | 177.3 | 170.4 | 154.3 | 141.0 | 131.3 | 127.7 |
| 82.5° | 89.4 | 94.1 | 101.4 | 112.8 | 120.8 | 125.4 | 122.3 | 110.7 | 105.2 | 96.6 | 93.1 |
| 85° | 44.0 | 46.8 | 51.7 | 55.1 | 62.1 | 62.8 | 63.5 | 58.7 | 53.7 | 51.7 | 48.9 |
| 87.5° | 15.5 | 16.4 | 18.1 | 19.9 | 22.1 | 23.4 | 22.8 | 23.0 | 21.1 | 20.4 | 18.3 |
| 90° | 1.7 | 3.4 | 4.0 | 4.6 | 4.6 | 8.1 | 8.1 | 9.2 | 10.4 | 9.8 | 10.4 |
| 92.5° | 9.6 | 14.9 | 22.0 | 30.4 | 42.4 | 71.7 | 116.3 | 160.0 | 182.7 | 152.2 | 113.1 |
| 95° | 20.7 | 26.5 | 34.0 | 47.8 | 72.0 | 122.1 | 216.6 | 354.3 | 469.5 | 482.7 | 426.9 |
| 97.5° | 34.1 | 39.1 | 45.9 | 57.9 | 78.2 | 116.7 | 194.7 | 331.6 | 494.5 | 606.5 | 630.7 |
| 100° | 43.8 | 47.8 | 54.7 | 65.6 | 84.1 | 118.1 | 183.2 | 300.7 | 463.1 | 610.7 | 694.8 |
| 102.5° | 53.9 | 57.5 | 63.9 | 74.4 | 91.9 | 122.7 | 180.0 | 279.9 | 424.0 | 576.0 | 691.6 |
| 105° | 69.2 | 72.0 | 79.0 | 89.3 | 106.0 | 133.6 | 181.5 | 262.2 | 377.9 | 513.3 | 645.2 |
| 107.5° | 84.4 | 87.4 | 94.7 | 104.6 | 121.1 | 146.4 | 190.0 | 258.9 | 352.1 | 462.6 | 579.5 |
| 110° | 95.0 | 98.0 | 104.8 | 115.2 | 130.8 | 156.1 | 196.4 | 259.8 | 343.4 | 437.3 | 539.8 |



TEST NUMBER: P332636-840

CATALOG NUMBER: SA4XXDIP-C1020D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 105.2 | 108.6 | 115.0 | 125.3 | 140.9 | 165.3 | 203.4 | 262.6 | 339.2 | 422.9 | 510.8 |
| 115° | 120.4 | 124.4 | 130.2 | 141.2 | 156.7 | 179.8 | 214.3 | 267.9 | 337.0 | 409.6 | 481.6 |
| 117.5° | 135.5 | 139.1 | 145.4 | 155.6 | 171.8 | 193.7 | 225.5 | 273.5 | 336.4 | 403.6 | 467.3 |
| 120° | 145.2 | 149.2 | 155.5 | 165.3 | 181.5 | 203.4 | 233.3 | 277.7 | 336.4 | 400.4 | 460.9 |
| 122.5° | 154.4 | 158.4 | 164.3 | 175.0 | 190.7 | 212.6 | 240.7 | 281.9 | 336.0 | 396.7 | 455.3 |
| 125° | 167.6 | 171.1 | 177.4 | 188.3 | 204.5 | 225.2 | 251.8 | 288.0 | 335.3 | 390.6 | 445.9 |
| 127.5° | 177.9 | 182.1 | 189.2 | 200.7 | 216.9 | 237.0 | 261.4 | 293.0 | 334.0 | 382.4 | 434.3 |
| 130° | 184.3 | 188.9 | 197.6 | 208.5 | 225.2 | 244.8 | 267.3 | 296.7 | 333.6 | 377.3 | 425.2 |
| 132.5° | 189.9 | 195.9 | 204.1 | 215.9 | 231.7 | 251.3 | 273.3 | 299.9 | 333.1 | 372.7 | 415.5 |
| 135° | 198.7 | 204.5 | 214.3 | 226.4 | 241.4 | 260.3 | 281.1 | 304.8 | 332.3 | 365.8 | 402.1 |
| 137.5° | 207.0 | 213.4 | 222.7 | 235.3 | 249.5 | 267.3 | 286.7 | 307.6 | 332.2 | 359.8 | 390.0 |
| 140° | 212.6 | 218.9 | 228.7 | 240.8 | 254.6 | 272.0 | 290.3 | 309.9 | 331.8 | 356.6 | 383.0 |
| 142.5° | 219.0 | 224.9 | 234.2 | 245.9 | 259.2 | 276.1 | 293.1 | 311.7 | 331.8 | 353.9 | 376.7 |
| 145° | 228.1 | 233.9 | 242.0 | 252.9 | 265.6 | 280.5 | 296.1 | 312.9 | 330.6 | 349.1 | 367.5 |
| 147.5° | 237.2 | 242.3 | 250.5 | 259.7 | 271.1 | 285.2 | 298.7 | 313.4 | 328.6 | 344.9 | 360.0 |
| 150° | 243.7 | 248.3 | 255.2 | 263.9 | 274.8 | 287.5 | 300.1 | 313.4 | 327.2 | 341.6 | 355.5 |
| 152.5° | 249.2 | 253.8 | 260.2 | 268.0 | 278.0 | 289.3 | 301.0 | 312.5 | 324.9 | 337.9 | 350.3 |
| 155° | 258.1 | 261.6 | 267.3 | 273.7 | 282.3 | 292.1 | 301.8 | 311.0 | 321.4 | 332.3 | 342.7 |
| 157.5° | 265.7 | 268.9 | 273.4 | 278.9 | 285.7 | 294.1 | 301.8 | 309.6 | 317.9 | 326.8 | 334.6 |
| 160° | 270.7 | 273.1 | 277.1 | 281.7 | 288.0 | 295.0 | 301.8 | 308.2 | 315.1 | 322.7 | 329.5 |
| 162.5° | 274.9 | 276.7 | 280.3 | 284.5 | 289.4 | 295.9 | 301.8 | 306.8 | 312.4 | 318.9 | 324.5 |
| 165° | 280.5 | 281.7 | 284.6 | 287.5 | 290.9 | 296.1 | 300.7 | 304.2 | 308.2 | 312.9 | 317.4 |
| 167.5° | 285.2 | 285.7 | 287.9 | 289.5 | 292.2 | 296.0 | 299.3 | 301.4 | 304.1 | 307.3 | 310.6 |
| 170° | 287.5 | 288.0 | 289.7 | 290.9 | 292.7 | 295.5 | 298.4 | 299.5 | 301.2 | 303.6 | 306.5 |
| 172.5° | 289.7 | 289.8 | 291.1 | 291.9 | 293.1 | 295.1 | 297.5 | 297.7 | 298.5 | 300.3 | 302.8 |
| 175° | 292.1 | 292.1 | 292.7 | 293.3 | 293.3 | 294.4 | 296.1 | 295.5 | 295.5 | 296.7 | 297.8 |
| 177.5° | 293.3 | 292.8 | 293.3 | 293.3 | 293.3 | 293.7 | 294.6 | 293.7 | 293.7 | 294.2 | 294.6 |
| 180° | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 |



TEST NUMBER: P332636-840

CATALOG NUMBER: SA4XXDIP-C1020D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 | 1685.3 |
| 2.5° | 1776.4 | 1777.5 | 1782.4 | 1786.4 | 1787.5 | 1793.1 | 1793.6 |
| 5° | 1932.4 | 1944.3 | 1967.3 | 1969.4 | 1972.9 | 1991.0 | 1977.1 |
| 7.5° | 2115.4 | 2145.5 | 2165.6 | 2183.3 | 2189.8 | 2197.7 | 2196.1 |
| 10° | 2232.6 | 2277.2 | 2299.7 | 2335.2 | 2336.6 | 2345.7 | 2340.2 |
| 12.5° | 2350.5 | 2402.4 | 2443.2 | 2449.7 | 2479.6 | 2484.2 | 2492.0 |
| 15° | 2517.4 | 2572.6 | 2629.2 | 2649.4 | 2690.6 | 2700.4 | 2715.7 |
| 17.5° | 2674.4 | 2730.8 | 2770.5 | 2822.8 | 2839.7 | 2862.4 | 2846.9 |
| 20° | 2760.4 | 2821.9 | 2872.1 | 2913.3 | 2930.7 | 2943.3 | 2941.9 |
| 22.5° | 2812.4 | 2874.3 | 2915.1 | 2946.2 | 2962.5 | 2967.9 | 2967.6 |
| 25° | 2844.9 | 2880.4 | 2893.1 | 2904.9 | 2886.8 | 2880.4 | 2883.3 |
| 27.5° | 2754.4 | 2745.2 | 2712.4 | 2669.4 | 2624.6 | 2589.2 | 2569.9 |
| 30° | 2629.9 | 2575.4 | 2525.8 | 2439.2 | 2394.6 | 2368.0 | 2344.3 |
| 32.5° | 2453.4 | 2367.0 | 2271.7 | 2192.4 | 2141.6 | 2102.2 | 2096.4 |
| 35° | 2150.9 | 2021.0 | 1904.5 | 1807.5 | 1757.2 | 1714.5 | 1704.9 |
| 37.5° | 1828.7 | 1693.7 | 1588.8 | 1503.4 | 1449.4 | 1419.3 | 1391.2 |
| 40° | 1614.8 | 1498.8 | 1395.5 | 1322.9 | 1281.7 | 1260.1 | 1242.6 |
| 42.5° | 1450.0 | 1344.1 | 1241.4 | 1186.1 | 1148.8 | 1135.6 | 1125.4 |
| 45° | 1222.4 | 1124.0 | 1052.8 | 1010.9 | 989.3 | 966.9 | 956.4 |
| 47.5° | 1040.2 | 960.1 | 913.1 | 877.6 | 854.3 | 841.1 | 834.4 |
| 50° | 936.9 | 871.2 | 829.4 | 802.1 | 781.2 | 770.7 | 765.2 |
| 52.5° | 845.3 | 791.4 | 756.2 | 734.6 | 720.3 | 712.7 | 710.4 |
| 55° | 728.1 | 686.9 | 664.6 | 645.8 | 635.3 | 628.3 | 625.5 |
| 57.5° | 632.9 | 601.3 | 583.1 | 567.5 | 563.5 | 557.6 | 555.7 |
| 60° | 570.4 | 545.9 | 530.6 | 520.1 | 516.6 | 509.7 | 511.0 |
| 62.5° | 515.0 | 495.1 | 482.0 | 475.9 | 471.4 | 465.5 | 467.5 |
| 65° | 435.7 | 421.0 | 413.9 | 408.4 | 402.8 | 399.3 | 402.1 |
| 67.5° | 365.6 | 355.5 | 346.0 | 342.7 | 340.0 | 339.4 | 336.5 |
| 70° | 319.7 | 311.3 | 303.0 | 300.9 | 300.9 | 298.1 | 297.4 |
| 72.5° | 275.6 | 269.4 | 263.9 | 262.4 | 260.1 | 261.3 | 258.3 |
| 75° | 212.9 | 208.0 | 205.9 | 203.9 | 203.2 | 203.2 | 201.1 |
| 77.5° | 157.3 | 153.7 | 150.4 | 150.4 | 147.8 | 146.9 | 146.6 |
| 80° | 119.4 | 118.0 | 115.2 | 115.2 | 113.8 | 114.5 | 113.1 |
| 82.5° | 89.8 | 87.9 | 87.3 | 86.1 | 84.2 | 84.3 | 82.9 |
| 85° | 48.2 | 46.0 | 45.3 | 43.3 | 41.9 | 43.3 | 41.9 |
| 87.5° | 19.0 | 18.5 | 18.0 | 17.0 | 16.5 | 16.4 | 14.7 |
| 90° | 10.9 | 11.5 | 11.5 | 12.1 | 12.6 | 12.1 | 12.1 |
| 92.5° | 85.1 | 67.8 | 56.2 | 49.4 | 46.4 | 44.3 | 44.3 |
| 95° | 337.6 | 260.3 | 204.5 | 176.3 | 158.4 | 148.0 | 140.6 |
| 97.5° | 597.5 | 541.2 | 481.0 | 439.7 | 405.0 | 387.7 | 375.7 |
| 100° | 706.3 | 678.0 | 635.4 | 585.3 | 550.2 | 532.9 | 528.3 |
| 102.5° | 748.7 | 756.9 | 739.1 | 708.3 | 682.9 | 664.7 | 661.0 |
| 105° | 744.9 | 801.9 | 825.6 | 826.7 | 822.0 | 814.0 | 810.5 |
| 107.5° | 685.5 | 765.9 | 817.2 | 845.7 | 858.8 | 864.5 | 866.1 |
| 110° | 639.4 | 723.0 | 786.4 | 827.3 | 851.4 | 861.8 | 867.0 |



TEST NUMBER: P332636-840

CATALOG NUMBER: SA4XXDIP-C1020D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 598.8 | 677.8 | 741.1 | 787.6 | 816.9 | 831.4 | 839.8 |
| 115° | 552.5 | 619.9 | 675.2 | 720.6 | 755.3 | 773.7 | 778.3 |
| 117.5° | 525.9 | 579.0 | 625.8 | 664.7 | 693.7 | 712.4 | 716.0 |
| 120° | 514.4 | 560.5 | 601.4 | 634.3 | 659.6 | 674.6 | 681.0 |
| 122.5° | 507.1 | 549.0 | 584.8 | 612.6 | 634.3 | 646.9 | 653.3 |
| 125° | 495.4 | 535.1 | 566.8 | 589.9 | 606.6 | 617.5 | 621.0 |
| 127.5° | 481.7 | 521.4 | 551.4 | 574.6 | 589.5 | 598.6 | 602.1 |
| 130° | 470.7 | 509.8 | 540.4 | 564.0 | 578.3 | 587.6 | 591.1 |
| 132.5° | 458.2 | 496.4 | 526.9 | 550.2 | 566.4 | 575.1 | 578.7 |
| 135° | 439.6 | 474.6 | 503.5 | 526.5 | 542.7 | 551.9 | 555.3 |
| 137.5° | 421.7 | 451.3 | 477.4 | 498.9 | 514.8 | 522.4 | 526.5 |
| 140° | 410.2 | 436.1 | 460.3 | 480.5 | 493.1 | 501.2 | 505.8 |
| 142.5° | 400.5 | 422.7 | 443.7 | 461.5 | 473.3 | 480.5 | 483.6 |
| 145° | 387.1 | 404.5 | 420.5 | 434.9 | 444.7 | 450.5 | 453.3 |
| 147.5° | 375.6 | 389.4 | 402.1 | 412.7 | 421.1 | 425.5 | 426.6 |
| 150° | 368.7 | 380.2 | 390.6 | 399.8 | 407.3 | 410.7 | 411.3 |
| 152.5° | 361.7 | 372.3 | 380.9 | 388.7 | 394.9 | 396.9 | 397.5 |
| 155° | 351.9 | 360.6 | 367.5 | 373.3 | 377.9 | 379.6 | 379.6 |
| 157.5° | 342.3 | 349.5 | 355.1 | 359.5 | 362.9 | 364.0 | 364.0 |
| 160° | 335.9 | 342.1 | 346.8 | 350.2 | 353.8 | 354.3 | 354.3 |
| 162.5° | 329.8 | 334.8 | 339.0 | 341.5 | 345.0 | 345.6 | 345.1 |
| 165° | 320.8 | 324.9 | 327.8 | 330.1 | 332.3 | 331.8 | 331.2 |
| 167.5° | 313.3 | 316.5 | 318.2 | 319.4 | 320.8 | 320.7 | 320.3 |
| 170° | 308.2 | 310.5 | 312.3 | 313.4 | 314.0 | 313.4 | 313.4 |
| 172.5° | 304.1 | 305.5 | 306.7 | 307.4 | 308.0 | 307.4 | 306.5 |
| 175° | 298.4 | 299.5 | 299.5 | 299.5 | 300.7 | 299.5 | 298.4 |
| 177.5° | 295.1 | 295.1 | 295.5 | 295.1 | 295.5 | 294.6 | 293.7 |
| 180° | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 |

(END OF REPORT)