

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: P332681-830

Luminaire Tested: **S124DIP-S1195D590U830-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332681-830  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124DIP-S1195D590U830-4F0-1E-UDD-A4  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1195 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: 7004.0 lumens  
Efficiency: N/A  
Efficacy: 127.1 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

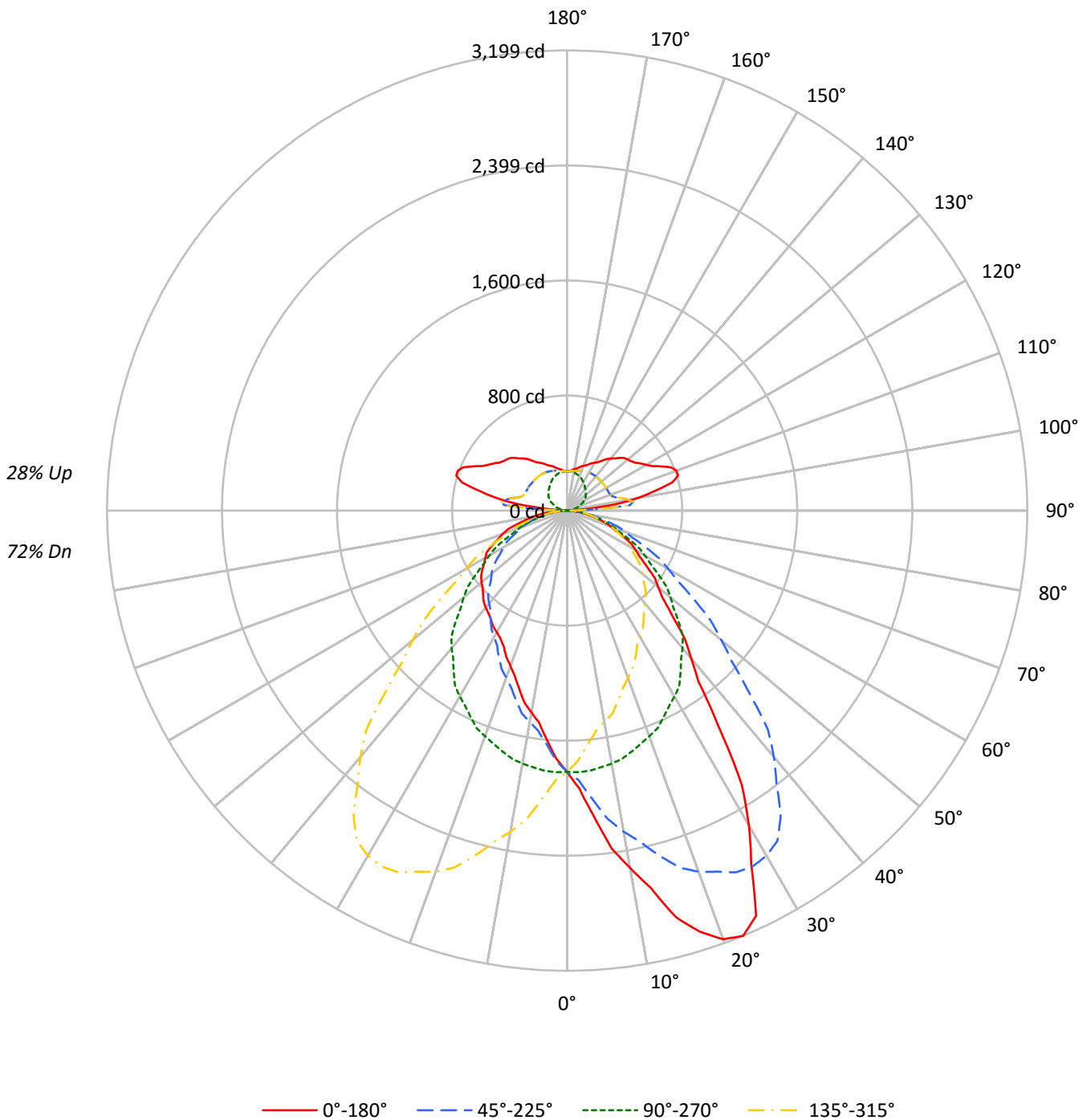
Input Watts (W): 55.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P332681-830

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### Luminous Intensity Polar Plot





TEST NUMBER: P332681-830

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**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 | 50 | 30 | 10 | 0  |  |   |
| RCR | 0  | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 95 | 95 | 95 | 85 | 85 | 85 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | 72 |  |   |
|     | 1  | 103 | 99  | 95  | 91  | 97  | 94  | 90  | 87  | 84 | 82 | 79 | 76 | 74 | 72 | 68 | 66 | 65 | 65 | 65 | 65 | 65 | 65 | 61 |  |   |
|     | 2  | 94  | 87  | 80  | 75  | 89  | 82  | 77  | 72  | 74 | 70 | 66 | 67 | 63 | 60 | 60 | 57 | 55 | 55 | 55 | 55 | 55 | 55 | 52 |  |   |
|     | 3  | 86  | 76  | 69  | 63  | 81  | 73  | 66  | 61  | 66 | 60 | 56 | 59 | 55 | 52 | 53 | 50 | 47 | 47 | 47 | 47 | 47 | 47 | 44 |  |   |
|     | 4  | 79  | 68  | 60  | 54  | 75  | 65  | 57  | 52  | 59 | 53 | 48 | 53 | 48 | 45 | 48 | 44 | 41 | 41 | 41 | 41 | 41 | 41 | 38 |  |   |
|     | 5  | 73  | 61  | 53  | 46  | 69  | 58  | 50  | 45  | 53 | 47 | 42 | 48 | 43 | 39 | 43 | 39 | 36 | 36 | 36 | 36 | 36 | 36 | 33 |  |   |
|     | 6  | 67  | 55  | 46  | 41  | 63  | 52  | 45  | 39  | 48 | 41 | 37 | 43 | 38 | 34 | 39 | 35 | 32 | 32 | 32 | 32 | 32 | 32 | 29 |  |   |
|     | 7  | 62  | 50  | 42  | 36  | 59  | 48  | 40  | 35  | 43 | 37 | 33 | 40 | 34 | 30 | 36 | 32 | 28 | 28 | 28 | 28 | 28 | 28 | 26 |  |   |
|     | 8  | 58  | 45  | 37  | 32  | 55  | 43  | 36  | 31  | 40 | 34 | 29 | 36 | 31 | 27 | 33 | 29 | 26 | 26 | 26 | 26 | 26 | 26 | 23 |  |   |
|     | 9  | 54  | 41  | 34  | 29  | 51  | 40  | 33  | 28  | 37 | 31 | 26 | 34 | 28 | 25 | 31 | 26 | 23 | 23 | 23 | 23 | 23 | 23 | 21 |  |   |
|     | 10 | 51  | 38  | 31  | 26  | 48  | 37  | 30  | 25  | 34 | 28 | 24 | 31 | 26 | 22 | 29 | 24 | 21 | 21 | 21 | 21 | 21 | 21 | 19 |  |   |

**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: P332681-830

CATALOG NUMBER: S124DIP-S1195D590U830-4F0-1E-UDD-A4

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 177.0  | 2.5       |
| 10°-20°   | 545.5  | 7.8       |
| 20°-30°   | 865.0  | 12.4      |
| 30°-40°   | 962.7  | 13.7      |
| 40°-50°   | 876.3  | 12.5      |
| 50°-60°   | 716.1  | 10.2      |
| 60°-70°   | 511.2  | 7.3       |
| 70°-80°   | 281.5  | 4.0       |
| 80°-90°   | 78.4   | 1.1       |
| 90°-100°  | 197.7  | 2.8       |
| 100°-110° | 411.4  | 5.9       |
| 110°-120° | 368.5  | 5.3       |
| 120°-130° | 310.0  | 4.4       |
| 130°-140° | 258.4  | 3.7       |
| 140°-150° | 197.4  | 2.8       |
| 150°-160° | 138.8  | 2.0       |
| 160°-170° | 81.6   | 1.2       |
| 170°-180° | 26.6   | 0.4       |
| 0°-30°    | 1587.5 | 22.7      |
| 0°-40°    | 2550.2 | 36.4      |
| 0°-60°    | 4142.6 | 59.1      |
| 0°-90°    | 5013.6 | 71.6      |
| 90°-120°  | 977.6  | 14.0      |
| 90°-150°  | 1743.4 | 24.9      |
| 90°-180°  | 1990.0 | 28.4      |
| 0°-180°   | 7004.0 | 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°  | 11   | 1    | 11   | 1    | 11   | 11   |
| 95°  | 131  | 18   | 131  | 18   | 131  | 204  |
| 105° | 756  | 63   | 756  | 63   | 756  | 748  |
| 115° | 726  | 111  | 726  | 111  | 726  | 721  |
| 125° | 580  | 154  | 580  | 154  | 580  | 527  |
| 135° | 518  | 183  | 518  | 183  | 518  | 400  |
| 145° | 423  | 211  | 423  | 211  | 423  | 268  |
| 155° | 354  | 240  | 354  | 240  | 354  | 165  |
| 165° | 309  | 262  | 309  | 262  | 309  | 89   |
| 175° | 278  | 273  | 278  | 273  | 278  | 27   |
| 180° | 274  | 274  | 274  | 274  | 274  |      |



TEST NUMBER: P332681-830

CATALOG NUMBER: S124DIP-S1195D590U830-4F0-1E-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°  | 15.5   | 17.3   | 17.4   | 17.9   | 19.0   | 19.6   | 20.1   | 19.4   | 21.7   | 22.4   | 24.6   |
| 90°    | 11.3   | 11.3   | 11.8   | 11.3   | 10.7   | 10.7   | 10.2   | 9.7    | 9.1    | 9.7    | 8.6    |
| 92.5°  | 41.4   | 41.4   | 43.3   | 46.1   | 52.5   | 63.2   | 79.5   | 105.6  | 142.0  | 170.5  | 149.3  |
| 95°    | 131.2  | 138.2  | 147.9  | 164.6  | 190.9  | 243.0  | 315.1  | 398.4  | 450.5  | 438.2  | 330.6  |
| 97.5°  | 350.6  | 361.8  | 378.0  | 410.4  | 448.9  | 505.1  | 557.7  | 588.6  | 566.1  | 461.6  | 309.5  |
| 100°   | 493.0  | 497.4  | 513.5  | 546.3  | 593.0  | 632.8  | 659.2  | 648.5  | 570.0  | 432.3  | 280.7  |
| 102.5° | 616.9  | 620.4  | 637.3  | 661.1  | 689.8  | 706.4  | 698.8  | 645.5  | 537.6  | 395.8  | 261.3  |
| 105°   | 756.5  | 759.7  | 767.2  | 771.6  | 770.5  | 748.5  | 695.2  | 602.2  | 479.1  | 352.7  | 244.7  |
| 107.5° | 808.3  | 806.9  | 801.5  | 789.3  | 762.7  | 714.8  | 639.8  | 540.8  | 431.8  | 328.7  | 241.7  |
| 110°   | 809.2  | 804.4  | 794.7  | 772.1  | 734.0  | 674.8  | 596.8  | 503.8  | 408.1  | 320.5  | 242.5  |



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CATALOG NUMBER: S124DIP-S1195D590U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 783.8 | 776.0 | 762.4 | 735.1 | 691.7 | 632.6 | 558.9 | 476.7 | 394.7 | 316.6 | 245.1 |
| 115°   | 726.4 | 722.1 | 704.9 | 672.6 | 630.2 | 578.5 | 515.7 | 449.5 | 382.3 | 314.5 | 250.1 |
| 117.5° | 668.3 | 664.9 | 647.4 | 620.4 | 584.1 | 540.4 | 490.9 | 436.1 | 376.7 | 314.0 | 255.2 |
| 120°   | 635.6 | 629.6 | 615.7 | 592.0 | 561.3 | 523.1 | 480.1 | 430.2 | 373.7 | 314.0 | 259.2 |
| 122.5° | 609.7 | 603.8 | 592.0 | 571.7 | 545.8 | 512.4 | 473.3 | 425.0 | 370.2 | 313.6 | 263.1 |
| 125°   | 579.6 | 576.4 | 566.2 | 550.5 | 529.0 | 499.5 | 462.4 | 416.1 | 364.6 | 312.9 | 268.8 |
| 127.5° | 561.9 | 558.7 | 550.2 | 536.3 | 514.6 | 486.6 | 449.6 | 405.4 | 356.9 | 311.7 | 273.4 |
| 130°   | 551.7 | 548.5 | 539.8 | 526.4 | 504.4 | 475.8 | 439.3 | 396.8 | 352.1 | 311.3 | 276.9 |
| 132.5° | 540.1 | 536.8 | 528.7 | 513.5 | 491.8 | 463.4 | 427.6 | 387.8 | 347.9 | 310.9 | 279.9 |
| 135°   | 518.3 | 515.1 | 506.5 | 491.4 | 470.0 | 443.0 | 410.3 | 375.3 | 341.4 | 310.2 | 284.5 |
| 137.5° | 491.4 | 487.6 | 480.5 | 465.6 | 445.5 | 421.2 | 393.6 | 364.0 | 335.8 | 310.1 | 287.1 |
| 140°   | 472.1 | 467.8 | 460.2 | 448.5 | 429.6 | 407.0 | 382.9 | 357.5 | 332.8 | 309.7 | 289.3 |
| 142.5° | 451.4 | 448.5 | 441.8 | 430.7 | 414.2 | 394.5 | 373.8 | 351.6 | 330.3 | 309.7 | 291.0 |
| 145°   | 423.1 | 420.5 | 415.1 | 406.0 | 392.5 | 377.5 | 361.3 | 343.0 | 325.8 | 308.6 | 292.0 |
| 147.5° | 398.1 | 397.1 | 393.0 | 385.2 | 375.3 | 363.4 | 350.5 | 336.0 | 321.9 | 306.7 | 292.5 |
| 150°   | 383.9 | 383.3 | 380.1 | 373.2 | 364.6 | 354.9 | 344.1 | 331.8 | 318.9 | 305.4 | 292.5 |
| 152.5° | 371.0 | 370.4 | 368.5 | 362.8 | 355.5 | 347.5 | 337.6 | 327.0 | 315.4 | 303.2 | 291.6 |
| 155°   | 354.3 | 354.3 | 352.7 | 348.5 | 343.0 | 336.6 | 328.5 | 319.9 | 310.2 | 300.0 | 290.3 |
| 157.5° | 339.7 | 339.7 | 338.7 | 335.5 | 331.4 | 326.2 | 319.5 | 312.3 | 305.0 | 296.7 | 289.0 |
| 160°   | 330.6 | 330.6 | 330.2 | 326.9 | 323.7 | 319.3 | 313.5 | 307.6 | 301.1 | 294.1 | 287.7 |
| 162.5° | 322.1 | 322.5 | 322.0 | 318.8 | 316.4 | 312.5 | 307.8 | 302.8 | 297.7 | 291.5 | 286.3 |
| 165°   | 309.2 | 309.7 | 310.2 | 308.1 | 305.9 | 303.2 | 299.4 | 296.2 | 292.0 | 287.7 | 283.9 |
| 167.5° | 299.0 | 299.4 | 299.4 | 298.1 | 297.0 | 295.4 | 292.4 | 289.9 | 286.8 | 283.8 | 281.3 |
| 170°   | 292.5 | 292.5 | 293.0 | 292.5 | 291.4 | 289.8 | 287.7 | 286.1 | 283.3 | 281.2 | 279.6 |
| 172.5° | 286.1 | 286.9 | 287.5 | 286.9 | 286.3 | 285.1 | 283.8 | 282.6 | 280.3 | 278.6 | 277.9 |
| 175°   | 278.5 | 279.6 | 280.7 | 279.6 | 279.6 | 279.6 | 278.5 | 278.0 | 276.9 | 275.8 | 275.8 |
| 177.5° | 274.1 | 274.9 | 275.8 | 275.4 | 275.8 | 275.4 | 275.4 | 274.9 | 274.6 | 274.1 | 274.1 |
| 180°   | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 |



TEST NUMBER: P332681-830

CATALOG NUMBER: S124DIP-S1195D590U830-4F0-1E-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°  | 24.4   | 25.0   | 23.8   | 21.3   | 19.4   | 17.5   | 16.6   | 15.7   | 16.6   | 17.5   | 18.2   |
| 90°    | 7.5    | 7.5    | 4.3    | 4.3    | 3.8    | 3.2    | 1.6    | 0.6    | 1.6    | 3.2    | 3.8    |
| 92.5°  | 108.6  | 66.9   | 39.6   | 28.4   | 20.5   | 13.9   | 9.0    | 6.1    | 9.0    | 13.9   | 20.5   |
| 95°    | 202.2  | 114.0  | 67.2   | 44.6   | 31.8   | 24.7   | 19.3   | 17.7   | 19.3   | 24.7   | 31.8   |
| 97.5°  | 181.7  | 109.0  | 73.0   | 54.0   | 42.9   | 36.5   | 31.9   | 31.9   | 31.9   | 36.5   | 42.9   |
| 100°   | 171.0  | 110.2  | 78.5   | 61.3   | 51.1   | 44.6   | 40.9   | 40.9   | 40.9   | 44.6   | 51.1   |
| 102.5° | 168.0  | 114.5  | 85.8   | 69.5   | 59.7   | 53.6   | 50.3   | 49.5   | 50.3   | 53.6   | 59.7   |
| 105°   | 169.4  | 124.7  | 99.0   | 83.3   | 73.7   | 67.2   | 64.6   | 62.9   | 64.6   | 67.2   | 73.7   |
| 107.5° | 177.3  | 136.7  | 113.0  | 97.6   | 88.4   | 81.5   | 78.8   | 77.8   | 78.8   | 81.5   | 88.4   |
| 110°   | 183.3  | 145.7  | 122.1  | 107.5  | 97.8   | 91.4   | 88.7   | 87.7   | 88.7   | 91.4   | 97.8   |





TEST NUMBER: P332681-830

CATALOG NUMBER: S124DIP-S1195D590U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 189.8 | 154.3 | 131.5 | 117.0 | 107.4 | 101.3 | 98.2  | 97.1  | 98.2  | 101.3 | 107.4 |
| 115°   | 200.0 | 167.8 | 146.3 | 131.8 | 121.5 | 116.1 | 112.4 | 110.7 | 112.4 | 116.1 | 121.5 |
| 117.5° | 210.5 | 180.8 | 160.3 | 145.2 | 135.7 | 129.8 | 126.5 | 125.0 | 126.5 | 129.8 | 135.7 |
| 120°   | 217.7 | 189.8 | 169.4 | 154.3 | 145.2 | 139.2 | 135.5 | 134.4 | 135.5 | 139.2 | 145.2 |
| 122.5° | 224.6 | 198.4 | 178.0 | 163.3 | 153.4 | 147.9 | 144.1 | 143.0 | 144.1 | 147.9 | 153.4 |
| 125°   | 235.0 | 210.2 | 190.9 | 175.8 | 165.6 | 159.7 | 156.5 | 154.3 | 156.5 | 159.7 | 165.6 |
| 127.5° | 243.9 | 221.2 | 202.5 | 187.3 | 176.6 | 169.9 | 166.1 | 164.3 | 166.1 | 169.9 | 176.6 |
| 130°   | 249.5 | 228.5 | 210.2 | 194.6 | 184.5 | 176.3 | 172.0 | 169.9 | 172.0 | 176.3 | 184.5 |
| 132.5° | 255.1 | 234.5 | 216.2 | 201.5 | 190.5 | 182.9 | 177.2 | 175.5 | 177.2 | 182.9 | 190.5 |
| 135°   | 262.4 | 243.0 | 225.3 | 211.3 | 200.0 | 190.9 | 185.5 | 183.3 | 185.5 | 190.9 | 200.0 |
| 137.5° | 267.6 | 249.5 | 232.9 | 219.6 | 207.8 | 199.2 | 193.2 | 191.2 | 193.2 | 199.2 | 207.8 |
| 140°   | 271.0 | 253.8 | 237.6 | 224.7 | 213.5 | 204.3 | 198.4 | 196.8 | 198.4 | 204.3 | 213.5 |
| 142.5° | 273.5 | 257.7 | 242.0 | 229.5 | 218.6 | 209.9 | 204.4 | 202.8 | 204.4 | 209.9 | 218.6 |
| 145°   | 276.4 | 261.8 | 247.9 | 236.0 | 225.8 | 218.3 | 212.9 | 211.3 | 212.9 | 218.3 | 225.8 |
| 147.5° | 278.8 | 266.2 | 253.1 | 242.4 | 233.8 | 226.1 | 221.4 | 220.8 | 221.4 | 226.1 | 233.8 |
| 150°   | 280.1 | 268.3 | 256.5 | 246.3 | 238.2 | 231.8 | 227.4 | 226.9 | 227.4 | 231.8 | 238.2 |
| 152.5° | 281.0 | 270.0 | 259.5 | 250.2 | 242.9 | 236.9 | 232.6 | 232.5 | 232.6 | 236.9 | 242.9 |
| 155°   | 281.7 | 272.6 | 263.4 | 255.4 | 249.5 | 244.1 | 240.9 | 240.3 | 240.9 | 244.1 | 249.5 |
| 157.5° | 281.7 | 274.5 | 266.6 | 260.3 | 255.1 | 251.0 | 248.0 | 248.0 | 248.0 | 251.0 | 255.1 |
| 160°   | 281.7 | 275.3 | 268.8 | 262.9 | 258.6 | 254.9 | 252.7 | 252.7 | 252.7 | 254.9 | 258.6 |
| 162.5° | 281.7 | 276.2 | 270.1 | 265.5 | 261.6 | 258.3 | 256.6 | 257.0 | 256.6 | 258.3 | 261.6 |
| 165°   | 280.7 | 276.4 | 271.5 | 268.3 | 265.6 | 262.9 | 261.8 | 261.8 | 261.8 | 262.9 | 265.6 |
| 167.5° | 279.4 | 276.3 | 272.7 | 270.2 | 268.7 | 266.6 | 266.2 | 266.6 | 266.2 | 266.6 | 268.7 |
| 170°   | 278.5 | 275.8 | 273.1 | 271.5 | 270.4 | 268.8 | 268.3 | 268.8 | 268.3 | 268.8 | 270.4 |
| 172.5° | 277.7 | 275.4 | 273.5 | 272.4 | 271.7 | 270.5 | 270.4 | 271.0 | 270.4 | 270.5 | 271.7 |
| 175°   | 276.4 | 274.8 | 273.7 | 273.7 | 273.1 | 272.6 | 272.6 | 273.1 | 272.6 | 272.6 | 273.1 |
| 177.5° | 274.9 | 274.1 | 273.7 | 273.7 | 273.7 | 273.2 | 273.7 | 274.1 | 273.7 | 273.2 | 273.7 |
| 180°   | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 |



TEST NUMBER: P332681-830

CATALOG NUMBER: S124DIP-S1195D590U830-4F0-1E-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°  | 20.2   | 20.2   | 23.2   | 24.4   | 26.4   | 29.6   | 30.7   | 37.4   | 40.0   | 43.1   | 48.5   |
| 90°    | 4.3    | 4.3    | 7.5    | 7.5    | 8.6    | 9.7    | 9.1    | 9.7    | 10.2   | 10.7   | 10.7   |
| 92.5°  | 28.4   | 39.6   | 66.9   | 108.6  | 149.3  | 170.5  | 142.0  | 105.6  | 79.5   | 63.2   | 52.5   |
| 95°    | 44.6   | 67.2   | 114.0  | 202.2  | 330.6  | 438.2  | 450.5  | 398.4  | 315.1  | 243.0  | 190.9  |
| 97.5°  | 54.0   | 73.0   | 109.0  | 181.7  | 309.5  | 461.6  | 566.1  | 588.6  | 557.7  | 505.1  | 448.9  |
| 100°   | 61.3   | 78.5   | 110.2  | 171.0  | 280.7  | 432.3  | 570.0  | 648.5  | 659.2  | 632.8  | 593.0  |
| 102.5° | 69.5   | 85.8   | 114.5  | 168.0  | 261.3  | 395.8  | 537.6  | 645.5  | 698.8  | 706.4  | 689.8  |
| 105°   | 83.3   | 99.0   | 124.7  | 169.4  | 244.7  | 352.7  | 479.1  | 602.2  | 695.2  | 748.5  | 770.5  |
| 107.5° | 97.6   | 113.0  | 136.7  | 177.3  | 241.7  | 328.7  | 431.8  | 540.8  | 639.8  | 714.8  | 762.7  |
| 110°   | 107.5  | 122.1  | 145.7  | 183.3  | 242.5  | 320.5  | 408.1  | 503.8  | 596.8  | 674.8  | 734.0  |



TEST NUMBER: P332681-830

CATALOG NUMBER: S124DIP-S1195D590U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 117.0 | 131.5 | 154.3 | 189.8 | 245.1 | 316.6 | 394.7 | 476.7 | 558.9 | 632.6 | 691.7 |
| 115°   | 131.8 | 146.3 | 167.8 | 200.0 | 250.1 | 314.5 | 382.3 | 449.5 | 515.7 | 578.5 | 630.2 |
| 117.5° | 145.2 | 160.3 | 180.8 | 210.5 | 255.2 | 314.0 | 376.7 | 436.1 | 490.9 | 540.4 | 584.1 |
| 120°   | 154.3 | 169.4 | 189.8 | 217.7 | 259.2 | 314.0 | 373.7 | 430.2 | 480.1 | 523.1 | 561.3 |
| 122.5° | 163.3 | 178.0 | 198.4 | 224.6 | 263.1 | 313.6 | 370.2 | 425.0 | 473.3 | 512.4 | 545.8 |
| 125°   | 175.8 | 190.9 | 210.2 | 235.0 | 268.8 | 312.9 | 364.6 | 416.1 | 462.4 | 499.5 | 529.0 |
| 127.5° | 187.3 | 202.5 | 221.2 | 243.9 | 273.4 | 311.7 | 356.9 | 405.4 | 449.6 | 486.6 | 514.6 |
| 130°   | 194.6 | 210.2 | 228.5 | 249.5 | 276.9 | 311.3 | 352.1 | 396.8 | 439.3 | 475.8 | 504.4 |
| 132.5° | 201.5 | 216.2 | 234.5 | 255.1 | 279.9 | 310.9 | 347.9 | 387.8 | 427.6 | 463.4 | 491.8 |
| 135°   | 211.3 | 225.3 | 243.0 | 262.4 | 284.5 | 310.2 | 341.4 | 375.3 | 410.3 | 443.0 | 470.0 |
| 137.5° | 219.6 | 232.9 | 249.5 | 267.6 | 287.1 | 310.1 | 335.8 | 364.0 | 393.6 | 421.2 | 445.5 |
| 140°   | 224.7 | 237.6 | 253.8 | 271.0 | 289.3 | 309.7 | 332.8 | 357.5 | 382.9 | 407.0 | 429.6 |
| 142.5° | 229.5 | 242.0 | 257.7 | 273.5 | 291.0 | 309.7 | 330.3 | 351.6 | 373.8 | 394.5 | 414.2 |
| 145°   | 236.0 | 247.9 | 261.8 | 276.4 | 292.0 | 308.6 | 325.8 | 343.0 | 361.3 | 377.5 | 392.5 |
| 147.5° | 242.4 | 253.1 | 266.2 | 278.8 | 292.5 | 306.7 | 321.9 | 336.0 | 350.5 | 363.4 | 375.3 |
| 150°   | 246.3 | 256.5 | 268.3 | 280.1 | 292.5 | 305.4 | 318.9 | 331.8 | 344.1 | 354.9 | 364.6 |
| 152.5° | 250.2 | 259.5 | 270.0 | 281.0 | 291.6 | 303.2 | 315.4 | 327.0 | 337.6 | 347.5 | 355.5 |
| 155°   | 255.4 | 263.4 | 272.6 | 281.7 | 290.3 | 300.0 | 310.2 | 319.9 | 328.5 | 336.6 | 343.0 |
| 157.5° | 260.3 | 266.6 | 274.5 | 281.7 | 289.0 | 296.7 | 305.0 | 312.3 | 319.5 | 326.2 | 331.4 |
| 160°   | 262.9 | 268.8 | 275.3 | 281.7 | 287.7 | 294.1 | 301.1 | 307.6 | 313.5 | 319.3 | 323.7 |
| 162.5° | 265.5 | 270.1 | 276.2 | 281.7 | 286.3 | 291.5 | 297.7 | 302.8 | 307.8 | 312.5 | 316.4 |
| 165°   | 268.3 | 271.5 | 276.4 | 280.7 | 283.9 | 287.7 | 292.0 | 296.2 | 299.4 | 303.2 | 305.9 |
| 167.5° | 270.2 | 272.7 | 276.3 | 279.4 | 281.3 | 283.8 | 286.8 | 289.9 | 292.4 | 295.4 | 297.0 |
| 170°   | 271.5 | 273.1 | 275.8 | 278.5 | 279.6 | 281.2 | 283.3 | 286.1 | 287.7 | 289.8 | 291.4 |
| 172.5° | 272.4 | 273.5 | 275.4 | 277.7 | 277.9 | 278.6 | 280.3 | 282.6 | 283.8 | 285.1 | 286.3 |
| 175°   | 273.7 | 273.7 | 274.8 | 276.4 | 275.8 | 275.8 | 276.9 | 278.0 | 278.5 | 279.6 | 279.6 |
| 177.5° | 273.7 | 273.7 | 274.1 | 274.9 | 274.1 | 274.1 | 274.6 | 274.9 | 275.4 | 275.4 | 275.8 |
| 180°   | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 |



TEST NUMBER: P332681-830

CATALOG NUMBER: S124DIP-S1195D590U830-4F0-1E-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°  | 50.4   | 51.1   | 52.8   | 54.0   | 52.8   | 51.1   | 50.4   | 48.5   | 43.1   | 40.0   | 37.4   |
| 90°    | 11.3   | 11.8   | 11.3   | 11.3   | 11.3   | 11.8   | 11.3   | 10.7   | 10.7   | 10.2   | 9.7    |
| 92.5°  | 46.1   | 43.3   | 41.4   | 41.4   | 41.4   | 43.3   | 46.1   | 52.5   | 63.2   | 79.5   | 105.6  |
| 95°    | 164.6  | 147.9  | 138.2  | 131.2  | 138.2  | 147.9  | 164.6  | 190.9  | 243.0  | 315.1  | 398.4  |
| 97.5°  | 410.4  | 378.0  | 361.8  | 350.6  | 361.8  | 378.0  | 410.4  | 448.9  | 505.1  | 557.7  | 588.6  |
| 100°   | 546.3  | 513.5  | 497.4  | 493.0  | 497.4  | 513.5  | 546.3  | 593.0  | 632.8  | 659.2  | 648.5  |
| 102.5° | 661.1  | 637.3  | 620.4  | 616.9  | 620.4  | 637.3  | 661.1  | 689.8  | 706.4  | 698.8  | 645.5  |
| 105°   | 771.6  | 767.2  | 759.7  | 756.5  | 759.7  | 767.2  | 771.6  | 770.5  | 748.5  | 695.2  | 602.2  |
| 107.5° | 789.3  | 801.5  | 806.9  | 808.3  | 806.9  | 801.5  | 789.3  | 762.7  | 714.8  | 639.8  | 540.8  |
| 110°   | 772.1  | 794.7  | 804.4  | 809.2  | 804.4  | 794.7  | 772.1  | 734.0  | 674.8  | 596.8  | 503.8  |



TEST NUMBER: P332681-830

CATALOG NUMBER: S124DIP-S1195D590U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 735.1 | 762.4 | 776.0 | 783.8 | 776.0 | 762.4 | 735.1 | 691.7 | 632.6 | 558.9 | 476.7 |
| 115°   | 672.6 | 704.9 | 722.1 | 726.4 | 722.1 | 704.9 | 672.6 | 630.2 | 578.5 | 515.7 | 449.5 |
| 117.5° | 620.4 | 647.4 | 664.9 | 668.3 | 664.9 | 647.4 | 620.4 | 584.1 | 540.4 | 490.9 | 436.1 |
| 120°   | 592.0 | 615.7 | 629.6 | 635.6 | 629.6 | 615.7 | 592.0 | 561.3 | 523.1 | 480.1 | 430.2 |
| 122.5° | 571.7 | 592.0 | 603.8 | 609.7 | 603.8 | 592.0 | 571.7 | 545.8 | 512.4 | 473.3 | 425.0 |
| 125°   | 550.5 | 566.2 | 576.4 | 579.6 | 576.4 | 566.2 | 550.5 | 529.0 | 499.5 | 462.4 | 416.1 |
| 127.5° | 536.3 | 550.2 | 558.7 | 561.9 | 558.7 | 550.2 | 536.3 | 514.6 | 486.6 | 449.6 | 405.4 |
| 130°   | 526.4 | 539.8 | 548.5 | 551.7 | 548.5 | 539.8 | 526.4 | 504.4 | 475.8 | 439.3 | 396.8 |
| 132.5° | 513.5 | 528.7 | 536.8 | 540.1 | 536.8 | 528.7 | 513.5 | 491.8 | 463.4 | 427.6 | 387.8 |
| 135°   | 491.4 | 506.5 | 515.1 | 518.3 | 515.1 | 506.5 | 491.4 | 470.0 | 443.0 | 410.3 | 375.3 |
| 137.5° | 465.6 | 480.5 | 487.6 | 491.4 | 487.6 | 480.5 | 465.6 | 445.5 | 421.2 | 393.6 | 364.0 |
| 140°   | 448.5 | 460.2 | 467.8 | 472.1 | 467.8 | 460.2 | 448.5 | 429.6 | 407.0 | 382.9 | 357.5 |
| 142.5° | 430.7 | 441.8 | 448.5 | 451.4 | 448.5 | 441.8 | 430.7 | 414.2 | 394.5 | 373.8 | 351.6 |
| 145°   | 406.0 | 415.1 | 420.5 | 423.1 | 420.5 | 415.1 | 406.0 | 392.5 | 377.5 | 361.3 | 343.0 |
| 147.5° | 385.2 | 393.0 | 397.1 | 398.1 | 397.1 | 393.0 | 385.2 | 375.3 | 363.4 | 350.5 | 336.0 |
| 150°   | 373.2 | 380.1 | 383.3 | 383.9 | 383.3 | 380.1 | 373.2 | 364.6 | 354.9 | 344.1 | 331.8 |
| 152.5° | 362.8 | 368.5 | 370.4 | 371.0 | 370.4 | 368.5 | 362.8 | 355.5 | 347.5 | 337.6 | 327.0 |
| 155°   | 348.5 | 352.7 | 354.3 | 354.3 | 354.3 | 352.7 | 348.5 | 343.0 | 336.6 | 328.5 | 319.9 |
| 157.5° | 335.5 | 338.7 | 339.7 | 339.7 | 339.7 | 338.7 | 335.5 | 331.4 | 326.2 | 319.5 | 312.3 |
| 160°   | 326.9 | 330.2 | 330.6 | 330.6 | 330.6 | 330.2 | 326.9 | 323.7 | 319.3 | 313.5 | 307.6 |
| 162.5° | 318.8 | 322.0 | 322.5 | 322.1 | 322.5 | 322.0 | 318.8 | 316.4 | 312.5 | 307.8 | 302.8 |
| 165°   | 308.1 | 310.2 | 309.7 | 309.2 | 309.7 | 310.2 | 308.1 | 305.9 | 303.2 | 299.4 | 296.2 |
| 167.5° | 298.1 | 299.4 | 299.4 | 299.0 | 299.4 | 299.4 | 298.1 | 297.0 | 295.4 | 292.4 | 289.9 |
| 170°   | 292.5 | 293.0 | 292.5 | 292.5 | 292.5 | 293.0 | 292.5 | 291.4 | 289.8 | 287.7 | 286.1 |
| 172.5° | 286.9 | 287.5 | 286.9 | 286.1 | 286.9 | 287.5 | 286.9 | 286.3 | 285.1 | 283.8 | 282.6 |
| 175°   | 279.6 | 280.7 | 279.6 | 278.5 | 279.6 | 280.7 | 279.6 | 279.6 | 279.6 | 278.5 | 278.0 |
| 177.5° | 275.4 | 275.8 | 274.9 | 274.1 | 274.9 | 275.8 | 275.4 | 275.8 | 275.4 | 275.4 | 274.9 |
| 180°   | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 |



TEST NUMBER: P332681-830

CATALOG NUMBER: S124DIP-S1195D590U830-4F0-1E-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°  | 30.7   | 29.6   | 26.4   | 24.4   | 23.2   | 20.2   | 20.2   | 18.2   | 17.5   | 16.6   | 15.7   |
| 90°    | 9.1    | 9.7    | 8.6    | 7.5    | 7.5    | 4.3    | 4.3    | 3.8    | 3.2    | 1.6    | 0.6    |
| 92.5°  | 142.0  | 170.5  | 149.3  | 108.6  | 66.9   | 39.6   | 28.4   | 20.5   | 13.9   | 9.0    | 6.1    |
| 95°    | 450.5  | 438.2  | 330.6  | 202.2  | 114.0  | 67.2   | 44.6   | 31.8   | 24.7   | 19.3   | 17.7   |
| 97.5°  | 566.1  | 461.6  | 309.5  | 181.7  | 109.0  | 73.0   | 54.0   | 42.9   | 36.5   | 31.9   | 31.9   |
| 100°   | 570.0  | 432.3  | 280.7  | 171.0  | 110.2  | 78.5   | 61.3   | 51.1   | 44.6   | 40.9   | 40.9   |
| 102.5° | 537.6  | 395.8  | 261.3  | 168.0  | 114.5  | 85.8   | 69.5   | 59.7   | 53.6   | 50.3   | 49.5   |
| 105°   | 479.1  | 352.7  | 244.7  | 169.4  | 124.7  | 99.0   | 83.3   | 73.7   | 67.2   | 64.6   | 62.9   |
| 107.5° | 431.8  | 328.7  | 241.7  | 177.3  | 136.7  | 113.0  | 97.6   | 88.4   | 81.5   | 78.8   | 77.8   |
| 110°   | 408.1  | 320.5  | 242.5  | 183.3  | 145.7  | 122.1  | 107.5  | 97.8   | 91.4   | 88.7   | 87.7   |



TEST NUMBER: P332681-830

CATALOG NUMBER: S124DIP-S1195D590U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 394.7 | 316.6 | 245.1 | 189.8 | 154.3 | 131.5 | 117.0 | 107.4 | 101.3 | 98.2  | 97.1  |
| 115°   | 382.3 | 314.5 | 250.1 | 200.0 | 167.8 | 146.3 | 131.8 | 121.5 | 116.1 | 112.4 | 110.7 |
| 117.5° | 376.7 | 314.0 | 255.2 | 210.5 | 180.8 | 160.3 | 145.2 | 135.7 | 129.8 | 126.5 | 125.0 |
| 120°   | 373.7 | 314.0 | 259.2 | 217.7 | 189.8 | 169.4 | 154.3 | 145.2 | 139.2 | 135.5 | 134.4 |
| 122.5° | 370.2 | 313.6 | 263.1 | 224.6 | 198.4 | 178.0 | 163.3 | 153.4 | 147.9 | 144.1 | 143.0 |
| 125°   | 364.6 | 312.9 | 268.8 | 235.0 | 210.2 | 190.9 | 175.8 | 165.6 | 159.7 | 156.5 | 154.3 |
| 127.5° | 356.9 | 311.7 | 273.4 | 243.9 | 221.2 | 202.5 | 187.3 | 176.6 | 169.9 | 166.1 | 164.3 |
| 130°   | 352.1 | 311.3 | 276.9 | 249.5 | 228.5 | 210.2 | 194.6 | 184.5 | 176.3 | 172.0 | 169.9 |
| 132.5° | 347.9 | 310.9 | 279.9 | 255.1 | 234.5 | 216.2 | 201.5 | 190.5 | 182.9 | 177.2 | 175.5 |
| 135°   | 341.4 | 310.2 | 284.5 | 262.4 | 243.0 | 225.3 | 211.3 | 200.0 | 190.9 | 185.5 | 183.3 |
| 137.5° | 335.8 | 310.1 | 287.1 | 267.6 | 249.5 | 232.9 | 219.6 | 207.8 | 199.2 | 193.2 | 191.2 |
| 140°   | 332.8 | 309.7 | 289.3 | 271.0 | 253.8 | 237.6 | 224.7 | 213.5 | 204.3 | 198.4 | 196.8 |
| 142.5° | 330.3 | 309.7 | 291.0 | 273.5 | 257.7 | 242.0 | 229.5 | 218.6 | 209.9 | 204.4 | 202.8 |
| 145°   | 325.8 | 308.6 | 292.0 | 276.4 | 261.8 | 247.9 | 236.0 | 225.8 | 218.3 | 212.9 | 211.3 |
| 147.5° | 321.9 | 306.7 | 292.5 | 278.8 | 266.2 | 253.1 | 242.4 | 233.8 | 226.1 | 221.4 | 220.8 |
| 150°   | 318.9 | 305.4 | 292.5 | 280.1 | 268.3 | 256.5 | 246.3 | 238.2 | 231.8 | 227.4 | 226.9 |
| 152.5° | 315.4 | 303.2 | 291.6 | 281.0 | 270.0 | 259.5 | 250.2 | 242.9 | 236.9 | 232.6 | 232.5 |
| 155°   | 310.2 | 300.0 | 290.3 | 281.7 | 272.6 | 263.4 | 255.4 | 249.5 | 244.1 | 240.9 | 240.3 |
| 157.5° | 305.0 | 296.7 | 289.0 | 281.7 | 274.5 | 266.6 | 260.3 | 255.1 | 251.0 | 248.0 | 248.0 |
| 160°   | 301.1 | 294.1 | 287.7 | 281.7 | 275.3 | 268.8 | 262.9 | 258.6 | 254.9 | 252.7 | 252.7 |
| 162.5° | 297.7 | 291.5 | 286.3 | 281.7 | 276.2 | 270.1 | 265.5 | 261.6 | 258.3 | 256.6 | 257.0 |
| 165°   | 292.0 | 287.7 | 283.9 | 280.7 | 276.4 | 271.5 | 268.3 | 265.6 | 262.9 | 261.8 | 261.8 |
| 167.5° | 286.8 | 283.8 | 281.3 | 279.4 | 276.3 | 272.7 | 270.2 | 268.7 | 266.6 | 266.2 | 266.6 |
| 170°   | 283.3 | 281.2 | 279.6 | 278.5 | 275.8 | 273.1 | 271.5 | 270.4 | 268.8 | 268.3 | 268.8 |
| 172.5° | 280.3 | 278.6 | 277.9 | 277.7 | 275.4 | 273.5 | 272.4 | 271.7 | 270.5 | 270.4 | 271.0 |
| 175°   | 276.9 | 275.8 | 275.8 | 276.4 | 274.8 | 273.7 | 273.7 | 273.1 | 272.6 | 272.6 | 273.1 |
| 177.5° | 274.6 | 274.1 | 274.1 | 274.9 | 274.1 | 273.7 | 273.7 | 273.7 | 273.2 | 273.7 | 274.1 |
| 180°   | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 |



TEST NUMBER: P332681-830

CATALOG NUMBER: S124DIP-S1195D590U830-4F0-1E-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°  | 16.6   | 17.5   | 19.4   | 21.3   | 23.8   | 25.0   | 24.4   | 24.6   | 22.4   | 21.7   | 19.4   |
| 90°    | 1.6    | 3.2    | 3.8    | 4.3    | 4.3    | 7.5    | 7.5    | 8.6    | 9.7    | 9.1    | 9.7    |
| 92.5°  | 9.0    | 13.9   | 20.5   | 28.4   | 39.6   | 66.9   | 108.6  | 149.3  | 170.5  | 142.0  | 105.6  |
| 95°    | 19.3   | 24.7   | 31.8   | 44.6   | 67.2   | 114.0  | 202.2  | 330.6  | 438.2  | 450.5  | 398.4  |
| 97.5°  | 31.9   | 36.5   | 42.9   | 54.0   | 73.0   | 109.0  | 181.7  | 309.5  | 461.6  | 566.1  | 588.6  |
| 100°   | 40.9   | 44.6   | 51.1   | 61.3   | 78.5   | 110.2  | 171.0  | 280.7  | 432.3  | 570.0  | 648.5  |
| 102.5° | 50.3   | 53.6   | 59.7   | 69.5   | 85.8   | 114.5  | 168.0  | 261.3  | 395.8  | 537.6  | 645.5  |
| 105°   | 64.6   | 67.2   | 73.7   | 83.3   | 99.0   | 124.7  | 169.4  | 244.7  | 352.7  | 479.1  | 602.2  |
| 107.5° | 78.8   | 81.5   | 88.4   | 97.6   | 113.0  | 136.7  | 177.3  | 241.7  | 328.7  | 431.8  | 540.8  |
| 110°   | 88.7   | 91.4   | 97.8   | 107.5  | 122.1  | 145.7  | 183.3  | 242.5  | 320.5  | 408.1  | 503.8  |





TEST NUMBER: P332681-830

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**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 98.2  | 101.3 | 107.4 | 117.0 | 131.5 | 154.3 | 189.8 | 245.1 | 316.6 | 394.7 | 476.7 |
| 115°   | 112.4 | 116.1 | 121.5 | 131.8 | 146.3 | 167.8 | 200.0 | 250.1 | 314.5 | 382.3 | 449.5 |
| 117.5° | 126.5 | 129.8 | 135.7 | 145.2 | 160.3 | 180.8 | 210.5 | 255.2 | 314.0 | 376.7 | 436.1 |
| 120°   | 135.5 | 139.2 | 145.2 | 154.3 | 169.4 | 189.8 | 217.7 | 259.2 | 314.0 | 373.7 | 430.2 |
| 122.5° | 144.1 | 147.9 | 153.4 | 163.3 | 178.0 | 198.4 | 224.6 | 263.1 | 313.6 | 370.2 | 425.0 |
| 125°   | 156.5 | 159.7 | 165.6 | 175.8 | 190.9 | 210.2 | 235.0 | 268.8 | 312.9 | 364.6 | 416.1 |
| 127.5° | 166.1 | 169.9 | 176.6 | 187.3 | 202.5 | 221.2 | 243.9 | 273.4 | 311.7 | 356.9 | 405.4 |
| 130°   | 172.0 | 176.3 | 184.5 | 194.6 | 210.2 | 228.5 | 249.5 | 276.9 | 311.3 | 352.1 | 396.8 |
| 132.5° | 177.2 | 182.9 | 190.5 | 201.5 | 216.2 | 234.5 | 255.1 | 279.9 | 310.9 | 347.9 | 387.8 |
| 135°   | 185.5 | 190.9 | 200.0 | 211.3 | 225.3 | 243.0 | 262.4 | 284.5 | 310.2 | 341.4 | 375.3 |
| 137.5° | 193.2 | 199.2 | 207.8 | 219.6 | 232.9 | 249.5 | 267.6 | 287.1 | 310.1 | 335.8 | 364.0 |
| 140°   | 198.4 | 204.3 | 213.5 | 224.7 | 237.6 | 253.8 | 271.0 | 289.3 | 309.7 | 332.8 | 357.5 |
| 142.5° | 204.4 | 209.9 | 218.6 | 229.5 | 242.0 | 257.7 | 273.5 | 291.0 | 309.7 | 330.3 | 351.6 |
| 145°   | 212.9 | 218.3 | 225.8 | 236.0 | 247.9 | 261.8 | 276.4 | 292.0 | 308.6 | 325.8 | 343.0 |
| 147.5° | 221.4 | 226.1 | 233.8 | 242.4 | 253.1 | 266.2 | 278.8 | 292.5 | 306.7 | 321.9 | 336.0 |
| 150°   | 227.4 | 231.8 | 238.2 | 246.3 | 256.5 | 268.3 | 280.1 | 292.5 | 305.4 | 318.9 | 331.8 |
| 152.5° | 232.6 | 236.9 | 242.9 | 250.2 | 259.5 | 270.0 | 281.0 | 291.6 | 303.2 | 315.4 | 327.0 |
| 155°   | 240.9 | 244.1 | 249.5 | 255.4 | 263.4 | 272.6 | 281.7 | 290.3 | 300.0 | 310.2 | 319.9 |
| 157.5° | 248.0 | 251.0 | 255.1 | 260.3 | 266.6 | 274.5 | 281.7 | 289.0 | 296.7 | 305.0 | 312.3 |
| 160°   | 252.7 | 254.9 | 258.6 | 262.9 | 268.8 | 275.3 | 281.7 | 287.7 | 294.1 | 301.1 | 307.6 |
| 162.5° | 256.6 | 258.3 | 261.6 | 265.5 | 270.1 | 276.2 | 281.7 | 286.3 | 291.5 | 297.7 | 302.8 |
| 165°   | 261.8 | 262.9 | 265.6 | 268.3 | 271.5 | 276.4 | 280.7 | 283.9 | 287.7 | 292.0 | 296.2 |
| 167.5° | 266.2 | 266.6 | 268.7 | 270.2 | 272.7 | 276.3 | 279.4 | 281.3 | 283.8 | 286.8 | 289.9 |
| 170°   | 268.3 | 268.8 | 270.4 | 271.5 | 273.1 | 275.8 | 278.5 | 279.6 | 281.2 | 283.3 | 286.1 |
| 172.5° | 270.4 | 270.5 | 271.7 | 272.4 | 273.5 | 275.4 | 277.7 | 277.9 | 278.6 | 280.3 | 282.6 |
| 175°   | 272.6 | 272.6 | 273.1 | 273.7 | 273.7 | 274.8 | 276.4 | 275.8 | 275.8 | 276.9 | 278.0 |
| 177.5° | 273.7 | 273.2 | 273.7 | 273.7 | 273.7 | 274.1 | 274.9 | 274.1 | 274.1 | 274.6 | 274.9 |
| 180°   | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 |



TEST NUMBER: P332681-830

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**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°  | 20.1   | 19.6   | 19.0   | 17.9   | 17.4   | 17.3   | 15.5   |
| 90°    | 10.2   | 10.7   | 10.7   | 11.3   | 11.8   | 11.3   | 11.3   |
| 92.5°  | 79.5   | 63.2   | 52.5   | 46.1   | 43.3   | 41.4   | 41.4   |
| 95°    | 315.1  | 243.0  | 190.9  | 164.6  | 147.9  | 138.2  | 131.2  |
| 97.5°  | 557.7  | 505.1  | 448.9  | 410.4  | 378.0  | 361.8  | 350.6  |
| 100°   | 659.2  | 632.8  | 593.0  | 546.3  | 513.5  | 497.4  | 493.0  |
| 102.5° | 698.8  | 706.4  | 689.8  | 661.1  | 637.3  | 620.4  | 616.9  |
| 105°   | 695.2  | 748.5  | 770.5  | 771.6  | 767.2  | 759.7  | 756.5  |
| 107.5° | 639.8  | 714.8  | 762.7  | 789.3  | 801.5  | 806.9  | 808.3  |
| 110°   | 596.8  | 674.8  | 734.0  | 772.1  | 794.7  | 804.4  | 809.2  |



TEST NUMBER: P332681-830

CATALOG NUMBER: S124DIP-S1195D590U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 335°  | 340°  | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 558.9 | 632.6 | 691.7 | 735.1 | 762.4 | 776.0 | 783.8 |
| 115°   | 515.7 | 578.5 | 630.2 | 672.6 | 704.9 | 722.1 | 726.4 |
| 117.5° | 490.9 | 540.4 | 584.1 | 620.4 | 647.4 | 664.9 | 668.3 |
| 120°   | 480.1 | 523.1 | 561.3 | 592.0 | 615.7 | 629.6 | 635.6 |
| 122.5° | 473.3 | 512.4 | 545.8 | 571.7 | 592.0 | 603.8 | 609.7 |
| 125°   | 462.4 | 499.5 | 529.0 | 550.5 | 566.2 | 576.4 | 579.6 |
| 127.5° | 449.6 | 486.6 | 514.6 | 536.3 | 550.2 | 558.7 | 561.9 |
| 130°   | 439.3 | 475.8 | 504.4 | 526.4 | 539.8 | 548.5 | 551.7 |
| 132.5° | 427.6 | 463.4 | 491.8 | 513.5 | 528.7 | 536.8 | 540.1 |
| 135°   | 410.3 | 443.0 | 470.0 | 491.4 | 506.5 | 515.1 | 518.3 |
| 137.5° | 393.6 | 421.2 | 445.5 | 465.6 | 480.5 | 487.6 | 491.4 |
| 140°   | 382.9 | 407.0 | 429.6 | 448.5 | 460.2 | 467.8 | 472.1 |
| 142.5° | 373.8 | 394.5 | 414.2 | 430.7 | 441.8 | 448.5 | 451.4 |
| 145°   | 361.3 | 377.5 | 392.5 | 406.0 | 415.1 | 420.5 | 423.1 |
| 147.5° | 350.5 | 363.4 | 375.3 | 385.2 | 393.0 | 397.1 | 398.1 |
| 150°   | 344.1 | 354.9 | 364.6 | 373.2 | 380.1 | 383.3 | 383.9 |
| 152.5° | 337.6 | 347.5 | 355.5 | 362.8 | 368.5 | 370.4 | 371.0 |
| 155°   | 328.5 | 336.6 | 343.0 | 348.5 | 352.7 | 354.3 | 354.3 |
| 157.5° | 319.5 | 326.2 | 331.4 | 335.5 | 338.7 | 339.7 | 339.7 |
| 160°   | 313.5 | 319.3 | 323.7 | 326.9 | 330.2 | 330.6 | 330.6 |
| 162.5° | 307.8 | 312.5 | 316.4 | 318.8 | 322.0 | 322.5 | 322.1 |
| 165°   | 299.4 | 303.2 | 305.9 | 308.1 | 310.2 | 309.7 | 309.2 |
| 167.5° | 292.4 | 295.4 | 297.0 | 298.1 | 299.4 | 299.4 | 299.0 |
| 170°   | 287.7 | 289.8 | 291.4 | 292.5 | 293.0 | 292.5 | 292.5 |
| 172.5° | 283.8 | 285.1 | 286.3 | 286.9 | 287.5 | 286.9 | 286.1 |
| 175°   | 278.5 | 279.6 | 279.6 | 279.6 | 280.7 | 279.6 | 278.5 |
| 177.5° | 275.4 | 275.4 | 275.8 | 275.4 | 275.8 | 274.9 | 274.1 |
| 180°   | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 |

(END OF REPORT)