

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P332690-830

Luminaire Tested: **S124DIP-S1195D810U830-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332690-830  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124DIP-S1195D810U830-4F0-1E-UDD-A4  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1195 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

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

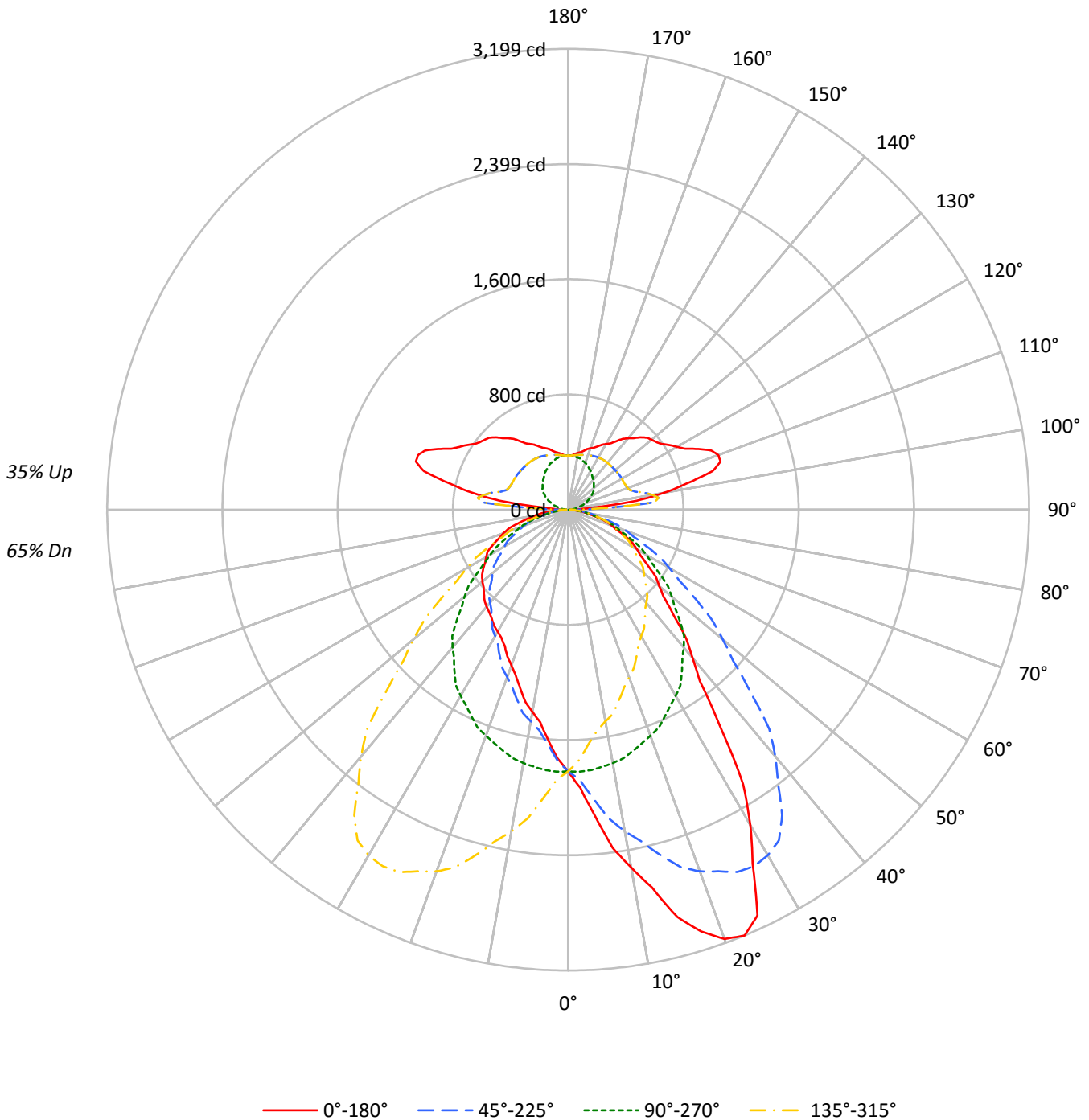
Input Watts (W): 60.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P332690-830

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### Luminous Intensity Polar Plot





TEST NUMBER: P332690-830

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

**AVERAGE LUMINANCE (cd/sqm):**

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



TEST NUMBER: P332690-830

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**ZONAL LUMENS:**

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

**CANDELA DISTRIBUTION:**

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



TEST NUMBER: P332690-830

CATALOG NUMBER: S124DIP-S1195D810U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (FULL):**

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



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**CANDELA DISTRIBUTION (continued):**

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



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CATALOG NUMBER: S124DIP-S1195D810U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

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





TEST NUMBER: P332690-830

CATALOG NUMBER: S124DIP-S1195D810U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P332690-830

CATALOG NUMBER: S124DIP-S1195D810U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P332690-830

CATALOG NUMBER: S124DIP-S1195D810U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P332690-830

CATALOG NUMBER: S124DIP-S1195D810U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P332690-830

CATALOG NUMBER: S124DIP-S1195D810U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P332690-830

CATALOG NUMBER: S124DIP-S1195D810U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P332690-830

CATALOG NUMBER: S124DIP-S1195D810U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

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





TEST NUMBER: P332690-830

CATALOG NUMBER: S124DIP-S1195D810U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

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





TEST NUMBER: P332690-830

CATALOG NUMBER: S124DIP-S1195D810U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P332690-830

CATALOG NUMBER: S124DIP-S1195D810U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P332690-830

CATALOG NUMBER: S124DIP-S1195D810U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)