

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: P332047-940

Luminaire Tested: **S123DIP-S1165D365U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332047-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-17,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123DIP-S1165D365U940-4F0-1E-UDD-A4  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1165 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

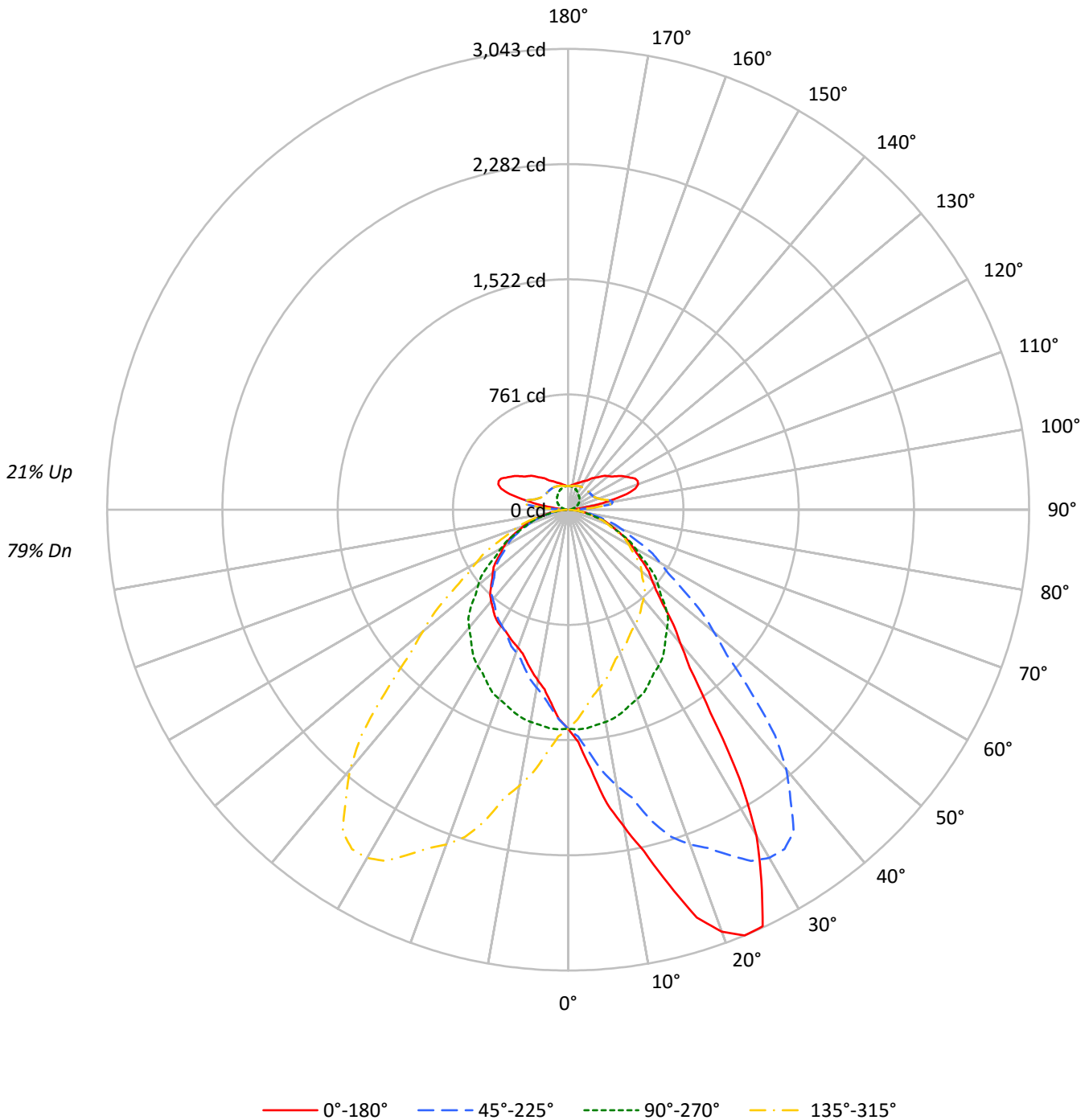
Lumens per Lamp: N/A  
Luminaire Lumens: 5538.1 lumens  
Efficiency: N/A  
Efficacy: 111.2 lumens/watt  
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: Semi-Direct  
  
Input Watts (W): 49.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P332047-940

CATALOG NUMBER: S123DIP-S1165D365U940-4F0-1E-UDD-A4

### Luminous Intensity Polar Plot





TEST NUMBER: P332047-940

CATALOG NUMBER: S123DIP-S1165D365U940-4F0-1E-UDD-A4

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF  | 20  |     |     |     |     |     |     |     |    | 20 |    |    |    |    |    |    |    |    | 20 |    |    |    |    |    |    |    |    | 20 |    |   |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |   |
| RC  | 80  |     |     |     |     |     |     |     |    | 70 |    |    |    |    |    |    |    |    | 50 |    |    |    |    |    |    |    |    | 30 |    |   |  |  |  |  |  |  | 10 |  |  |  |  |  |  |  |  | 0 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 0   | 114 | 114 | 114 | 114 | 109 | 109 | 109 | 109 | 99 | 99 | 99 | 91 | 91 | 91 | 83 | 83 | 83 | 79 |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 1   | 105 | 100 | 96  | 93  | 100 | 96  | 93  | 89  | 88 | 85 | 83 | 81 | 79 | 77 | 74 | 72 | 71 | 67 |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 2   | 96  | 88  | 82  | 77  | 91  | 85  | 79  | 74  | 78 | 73 | 69 | 71 | 68 | 65 | 65 | 63 | 60 | 57 |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 3   | 88  | 78  | 70  | 64  | 83  | 75  | 68  | 62  | 69 | 63 | 59 | 63 | 59 | 55 | 58 | 55 | 52 | 49 |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 80  | 69  | 61  | 55  | 77  | 67  | 59  | 53  | 61 | 55 | 50 | 57 | 52 | 48 | 52 | 48 | 45 | 42 |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 74  | 62  | 54  | 48  | 71  | 60  | 52  | 46  | 55 | 49 | 44 | 51 | 46 | 42 | 47 | 43 | 39 | 37 |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 68  | 56  | 48  | 42  | 65  | 54  | 46  | 41  | 50 | 43 | 39 | 46 | 41 | 37 | 43 | 38 | 35 | 32 |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 7   | 63  | 51  | 42  | 37  | 60  | 49  | 41  | 36  | 46 | 39 | 34 | 42 | 37 | 33 | 39 | 35 | 31 | 29 |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 8   | 59  | 46  | 38  | 33  | 56  | 45  | 37  | 32  | 42 | 35 | 31 | 39 | 33 | 29 | 36 | 31 | 28 | 26 |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 9   | 55  | 42  | 35  | 29  | 53  | 41  | 34  | 29  | 38 | 32 | 28 | 36 | 30 | 26 | 33 | 29 | 25 | 23 |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 10  | 52  | 39  | 32  | 27  | 49  | 38  | 31  | 26  | 35 | 29 | 25 | 33 | 28 | 24 | 31 | 26 | 23 | 21 |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 15569 | 15569 | 15569 | 15569 |
| 5°  | 18567 | 15637 | 13857 | 15637 |
| 10° | 23240 | 15557 | 12516 | 15557 |
| 15° | 28505 | 15432 | 11652 | 15432 |
| 20° | 33956 | 15237 | 11094 | 15237 |
| 25° | 36056 | 14998 | 10969 | 14998 |
| 30° | 30904 | 14825 | 11028 | 14825 |
| 35° | 21494 | 14578 | 11143 | 14578 |
| 40° | 16190 | 14289 | 11108 | 14289 |
| 45° | 13443 | 13857 | 10966 | 13857 |
| 50° | 12042 | 12980 | 10868 | 12980 |
| 55° | 11258 | 12033 | 10732 | 12033 |
| 60° | 10559 | 11044 | 10622 | 11044 |
| 65° | 9926  | 10068 | 10282 | 10068 |
| 70° | 9309  | 8954  | 9791  | 8954  |
| 75° | 8339  | 7839  | 8979  | 7839  |
| 80° | 7296  | 6428  | 7736  | 6428  |
| 85° | 5718  | 4668  | 5199  | 4668  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 142.5  | 2.6       |
| 10°-20°   | 456.9  | 8.3       |
| 20°-30°   | 766.8  | 13.8      |
| 30°-40°   | 868.3  | 15.7      |
| 40°-50°   | 778.6  | 14.1      |
| 50°-60°   | 628.3  | 11.3      |
| 60°-70°   | 437.9  | 7.9       |
| 70°-80°   | 230.1  | 4.2       |
| 80°-90°   | 57.5   | 1.0       |
| 90°-100°  | 86.6   | 1.6       |
| 100°-110° | 245.3  | 4.4       |
| 110°-120° | 241.3  | 4.4       |
| 120°-130° | 192.5  | 3.5       |
| 130°-140° | 151.8  | 2.7       |
| 140°-150° | 113.3  | 2.0       |
| 150°-160° | 78.9   | 1.4       |
| 160°-170° | 46.4   | 0.8       |
| 170°-180° | 15.1   | 0.3       |
| 0°-30°    | 1366.2 | 24.7      |
| 0°-40°    | 2234.5 | 40.3      |
| 0°-60°    | 3641.5 | 65.8      |
| 0°-90°    | 4367.0 | 78.9      |
| 90°-120°  | 573.2  | 10.4      |
| 90°-150°  | 1030.7 | 18.6      |
| 90°-180°  | 1171.0 | 21.1      |
| 0°-180°   | 5538.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1446 | 1446 | 1446 | 1446 | 1446 |      |
| 5°   | 1718 | 1447 | 1282 | 1447 | 1718 | 178  |
| 15°  | 2558 | 1385 | 1046 | 1385 | 2558 | 739  |
| 25°  | 3036 | 1263 | 924  | 1263 | 3036 | 1331 |
| 35°  | 1636 | 1109 | 848  | 1109 | 1636 | 1063 |
| 45°  | 883  | 910  | 720  | 910  | 883  | 699  |
| 55°  | 600  | 641  | 572  | 641  | 600  | 538  |
| 65°  | 390  | 395  | 404  | 395  | 390  | 388  |
| 75°  | 200  | 188  | 216  | 188  | 200  | 215  |
| 85°  | 46   | 38   | 42   | 38   | 46   | 55   |
| 90°  | 9    | 1    | 9    | 1    | 9    | 7    |
| 95°  | 37   | 11   | 37   | 11   | 37   | 66   |
| 105° | 401  | 37   | 401  | 37   | 401  | 395  |
| 115° | 488  | 65   | 488  | 65   | 488  | 474  |
| 125° | 384  | 90   | 384  | 90   | 384  | 348  |
| 135° | 312  | 105  | 312  | 105  | 312  | 242  |
| 145° | 244  | 120  | 244  | 120  | 244  | 155  |
| 155° | 202  | 136  | 202  | 136  | 202  | 94   |
| 165° | 176  | 149  | 176  | 149  | 176  | 50   |
| 175° | 158  | 155  | 158  | 155  | 158  | 15   |
| 180° | 156  | 156  | 156  | 156  | 156  |      |



TEST NUMBER: P332047-940

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 |
| 2.5°   | 1535.1 | 1533.9 | 1531.2 | 1533.4 | 1528.9 | 1522.7 | 1522.2 | 1516.5 | 1500.3 | 1499.1 | 1494.7 |
| 5°     | 1718.4 | 1712.8 | 1712.1 | 1711.4 | 1701.6 | 1688.3 | 1663.0 | 1660.9 | 1627.3 | 1610.4 | 1590.2 |
| 7.5°   | 1955.8 | 1958.7 | 1948.6 | 1939.6 | 1909.6 | 1889.8 | 1862.8 | 1828.2 | 1786.8 | 1744.9 | 1717.0 |
| 10°    | 2126.3 | 2149.4 | 2120.7 | 2101.0 | 2082.9 | 2048.4 | 2008.6 | 1958.7 | 1909.0 | 1850.8 | 1806.7 |
| 12.5°  | 2309.1 | 2320.4 | 2314.6 | 2296.2 | 2267.8 | 2215.5 | 2144.7 | 2090.0 | 2044.2 | 1947.3 | 1908.2 |
| 15°    | 2558.0 | 2600.8 | 2573.4 | 2510.3 | 2511.7 | 2461.9 | 2369.5 | 2267.8 | 2213.9 | 2129.0 | 2013.5 |
| 17.5°  | 2823.2 | 2828.5 | 2816.8 | 2764.3 | 2729.3 | 2660.9 | 2575.5 | 2478.1 | 2368.7 | 2266.2 | 2143.5 |
| 20°    | 2964.4 | 2960.2 | 2935.7 | 2908.4 | 2848.1 | 2794.9 | 2701.6 | 2593.0 | 2452.8 | 2352.0 | 2218.0 |
| 22.5°  | 3043.0 | 3035.9 | 3024.3 | 3001.4 | 2951.3 | 2894.0 | 2810.4 | 2691.7 | 2558.2 | 2419.2 | 2264.6 |
| 25°    | 3035.9 | 3045.0 | 3046.4 | 3040.1 | 3022.6 | 2988.3 | 2922.4 | 2827.8 | 2694.7 | 2516.0 | 2354.7 |
| 27.5°  | 2761.2 | 2774.1 | 2811.6 | 2844.7 | 2881.9 | 2919.7 | 2914.6 | 2867.7 | 2769.2 | 2614.9 | 2417.8 |
| 30°    | 2486.4 | 2458.4 | 2527.8 | 2615.5 | 2675.0 | 2780.1 | 2839.0 | 2842.5 | 2787.1 | 2654.7 | 2462.6 |
| 32.5°  | 2105.2 | 2136.1 | 2166.8 | 2274.6 | 2404.8 | 2522.8 | 2640.0 | 2734.3 | 2745.1 | 2656.9 | 2489.0 |
| 35°    | 1635.7 | 1674.3 | 1730.3 | 1786.4 | 1926.5 | 2047.1 | 2253.1 | 2432.5 | 2575.5 | 2594.4 | 2491.4 |
| 37.5°  | 1318.1 | 1337.1 | 1372.6 | 1428.8 | 1520.5 | 1663.5 | 1822.8 | 2049.6 | 2256.7 | 2410.8 | 2417.5 |
| 40°    | 1152.2 | 1157.7 | 1197.7 | 1240.5 | 1314.7 | 1432.4 | 1576.1 | 1776.6 | 2024.6 | 2239.8 | 2329.5 |
| 42.5°  | 1027.7 | 1040.0 | 1056.9 | 1098.1 | 1157.2 | 1245.8 | 1379.4 | 1545.0 | 1772.4 | 2020.0 | 2195.5 |
| 45°    | 883.1  | 897.1  | 907.6  | 934.9  | 977.0  | 1036.5 | 1129.7 | 1281.1 | 1454.2 | 1709.9 | 1946.2 |
| 47.5°  | 787.5  | 788.5  | 796.4  | 817.0  | 845.6  | 890.3  | 956.2  | 1053.5 | 1212.4 | 1419.9 | 1662.3 |
| 50°    | 719.1  | 730.2  | 733.1  | 749.1  | 771.6  | 804.5  | 859.2  | 941.9  | 1072.3 | 1254.5 | 1477.3 |
| 52.5°  | 670.8  | 674.2  | 682.1  | 693.7  | 713.3  | 739.0  | 786.3  | 851.0  | 953.4  | 1108.7 | 1313.6 |
| 55°    | 599.9  | 599.9  | 607.6  | 616.7  | 627.9  | 651.0  | 682.6  | 730.2  | 808.1  | 928.5  | 1098.1 |
| 57.5°  | 534.3  | 537.8  | 543.2  | 546.1  | 555.6  | 570.9  | 597.3  | 633.4  | 691.4  | 784.2  | 919.1  |
| 60°    | 490.5  | 496.9  | 496.1  | 501.8  | 510.2  | 522.1  | 544.6  | 574.0  | 625.8  | 700.1  | 813.7  |
| 62.5°  | 452.5  | 452.0  | 451.9  | 458.6  | 467.0  | 478.4  | 492.9  | 518.4  | 562.5  | 628.4  | 725.1  |
| 65°    | 389.7  | 388.3  | 393.2  | 397.3  | 400.2  | 408.6  | 419.8  | 442.2  | 471.6  | 520.7  | 595.7  |
| 67.5°  | 333.9  | 329.8  | 332.4  | 333.9  | 338.7  | 345.2  | 355.7  | 369.6  | 393.0  | 432.4  | 488.9  |
| 70°    | 295.8  | 292.2  | 291.5  | 292.9  | 297.1  | 302.0  | 309.8  | 323.1  | 344.8  | 376.3  | 417.7  |
| 72.5°  | 256.5  | 254.1  | 254.0  | 257.1  | 259.0  | 262.3  | 267.7  | 279.9  | 297.1  | 320.8  | 359.4  |
| 75°    | 200.5  | 200.5  | 200.5  | 201.2  | 203.2  | 206.1  | 210.3  | 216.5  | 229.9  | 246.6  | 272.6  |
| 77.5°  | 150.3  | 150.1  | 149.3  | 149.1  | 152.2  | 153.5  | 154.4  | 160.3  | 167.7  | 179.1  | 198.0  |
| 80°    | 117.7  | 114.2  | 115.7  | 117.7  | 119.1  | 119.8  | 122.0  | 123.3  | 129.7  | 136.0  | 149.3  |
| 82.5°  | 87.5   | 84.5   | 84.8   | 88.0   | 88.3   | 89.0   | 91.1   | 93.1   | 95.4   | 101.2  | 108.3  |
| 85°    | 46.3   | 46.3   | 47.0   | 47.0   | 47.6   | 47.0   | 49.0   | 49.8   | 49.8   | 53.2   | 57.4   |
| 87.5°  | 18.6   | 17.6   | 18.1   | 18.5   | 18.1   | 18.5   | 19.0   | 19.5   | 20.0   | 20.6   | 21.0   |
| 90°    | 9.1    | 9.5    | 9.1    | 8.8    | 9.1    | 8.5    | 8.2    | 7.8    | 7.6    | 7.8    | 7.0    |
| 92.5°  | 15.2   | 15.8   | 15.4   | 16.4   | 16.9   | 18.5   | 21.0   | 26.6   | 36.6   | 48.4   | 53.3   |
| 95°    | 36.6   | 37.8   | 40.0   | 42.9   | 48.9   | 60.2   | 76.9   | 113.4  | 151.6  | 186.9  | 166.4  |
| 97.5°  | 99.5   | 102.2  | 110.8  | 124.9  | 148.2  | 185.8  | 226.5  | 282.8  | 309.8  | 289.6  | 212.0  |
| 100°   | 197.6  | 197.2  | 209.6  | 232.6  | 264.4  | 309.2  | 346.0  | 371.5  | 360.5  | 298.5  | 201.7  |
| 102.5° | 289.8  | 297.1  | 307.4  | 325.6  | 350.4  | 378.7  | 400.2  | 401.0  | 363.0  | 282.0  | 186.5  |
| 105°   | 400.8  | 402.4  | 412.5  | 424.5  | 439.0  | 447.1  | 441.1  | 409.7  | 343.8  | 253.3  | 168.0  |
| 107.5° | 464.8  | 467.6  | 471.0  | 475.1  | 474.8  | 463.6  | 436.0  | 384.8  | 310.1  | 228.0  | 156.1  |
| 110°   | 491.0  | 491.6  | 492.2  | 489.7  | 480.9  | 458.8  | 419.1  | 361.1  | 289.0  | 213.7  | 151.6  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 496.2 | 496.1 | 493.7 | 485.9 | 469.8 | 441.4 | 396.9 | 337.7 | 270.5 | 204.0 | 149.0 |
| 115°   | 487.5 | 485.9 | 479.6 | 465.7 | 442.1 | 407.8 | 361.4 | 306.6 | 248.3 | 193.8 | 148.1 |
| 117.5° | 459.6 | 457.4 | 448.4 | 432.6 | 407.9 | 373.0 | 331.4 | 284.1 | 234.9 | 187.7 | 148.6 |
| 120°   | 436.4 | 434.5 | 427.0 | 409.3 | 384.4 | 352.6 | 314.8 | 272.2 | 227.8 | 184.9 | 149.7 |
| 122.5° | 414.7 | 412.3 | 404.0 | 388.2 | 366.0 | 336.4 | 301.4 | 263.0 | 222.0 | 183.2 | 151.4 |
| 125°   | 384.4 | 382.3 | 374.3 | 360.5 | 340.4 | 315.1 | 284.9 | 250.5 | 214.6 | 180.8 | 154.1 |
| 127.5° | 359.4 | 357.5 | 350.4 | 338.5 | 320.6 | 297.6 | 270.3 | 239.7 | 208.0 | 179.8 | 157.1 |
| 130°   | 345.4 | 342.9 | 336.3 | 324.9 | 308.2 | 286.8 | 261.3 | 232.8 | 204.5 | 179.0 | 159.2 |
| 132.5° | 331.5 | 329.8 | 323.9 | 312.5 | 296.9 | 276.4 | 252.6 | 226.6 | 201.3 | 178.7 | 160.7 |
| 135°   | 311.7 | 309.4 | 303.8 | 294.4 | 278.8 | 260.9 | 240.4 | 218.0 | 197.0 | 178.3 | 162.9 |
| 137.5° | 290.7 | 289.2 | 284.5 | 274.8 | 261.9 | 246.3 | 228.6 | 210.3 | 193.2 | 177.6 | 164.4 |
| 140°   | 276.1 | 276.3 | 271.3 | 262.5 | 250.5 | 236.9 | 221.9 | 205.8 | 190.9 | 177.5 | 165.4 |
| 142.5° | 262.4 | 262.7 | 258.2 | 250.4 | 240.1 | 228.4 | 215.3 | 201.5 | 189.0 | 176.9 | 166.2 |
| 145°   | 243.6 | 243.0 | 240.4 | 233.8 | 226.0 | 216.8 | 206.7 | 196.4 | 186.2 | 176.1 | 166.7 |
| 147.5° | 228.1 | 227.8 | 225.4 | 221.0 | 215.0 | 208.5 | 200.4 | 192.1 | 183.6 | 175.0 | 166.7 |
| 150°   | 219.0 | 219.0 | 217.1 | 213.7 | 208.9 | 203.0 | 196.4 | 189.0 | 181.8 | 174.0 | 166.7 |
| 152.5° | 211.4 | 211.4 | 210.3 | 207.1 | 203.4 | 198.4 | 192.5 | 186.3 | 179.8 | 172.7 | 165.9 |
| 155°   | 202.0 | 201.7 | 201.1 | 198.5 | 195.6 | 191.9 | 187.2 | 182.2 | 176.7 | 170.5 | 165.1 |
| 157.5° | 193.3 | 193.4 | 192.9 | 191.0 | 188.6 | 185.6 | 181.9 | 177.7 | 173.3 | 168.5 | 164.1 |
| 160°   | 187.8 | 188.2 | 188.2 | 186.2 | 184.0 | 181.8 | 178.7 | 175.2 | 171.1 | 167.0 | 163.5 |
| 162.5° | 182.8 | 183.1 | 183.1 | 181.5 | 180.0 | 178.1 | 175.1 | 172.2 | 168.8 | 165.5 | 162.6 |
| 165°   | 176.1 | 176.1 | 176.5 | 175.2 | 174.0 | 172.4 | 170.1 | 168.3 | 165.8 | 163.3 | 161.0 |
| 167.5° | 169.9 | 169.9 | 170.1 | 169.2 | 168.7 | 167.6 | 166.3 | 164.9 | 162.8 | 161.0 | 159.5 |
| 170°   | 166.0 | 166.0 | 166.4 | 165.8 | 165.4 | 164.8 | 163.5 | 162.6 | 161.0 | 159.4 | 158.5 |
| 172.5° | 162.6 | 162.8 | 163.4 | 162.7 | 162.6 | 162.3 | 161.3 | 160.6 | 159.3 | 158.2 | 157.7 |
| 175°   | 158.5 | 158.8 | 159.2 | 158.8 | 158.8 | 158.8 | 158.2 | 157.8 | 157.2 | 156.6 | 156.6 |
| 177.5° | 156.1 | 156.1 | 156.7 | 156.4 | 156.7 | 156.7 | 156.4 | 156.1 | 156.0 | 155.7 | 156.0 |
| 180°   | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 |



TEST NUMBER: P332047-940

CATALOG NUMBER: S123DIP-S1165D365U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 |
| 2.5°   | 1491.3 | 1486.8 | 1482.4 | 1474.5 | 1467.8 | 1458.2 | 1455.5 | 1452.1 | 1442.0 | 1433.1 | 1426.3 |
| 5°     | 1582.4 | 1565.6 | 1541.1 | 1518.7 | 1500.5 | 1476.0 | 1461.9 | 1447.2 | 1426.1 | 1407.2 | 1391.8 |
| 7.5°   | 1677.8 | 1644.7 | 1606.5 | 1565.3 | 1527.0 | 1490.0 | 1460.1 | 1433.4 | 1404.0 | 1376.1 | 1354.4 |
| 10°    | 1753.5 | 1705.8 | 1652.5 | 1595.1 | 1546.0 | 1498.3 | 1458.4 | 1423.3 | 1385.5 | 1352.5 | 1325.3 |
| 12.5°  | 1839.8 | 1769.2 | 1695.7 | 1625.9 | 1567.9 | 1501.7 | 1453.3 | 1408.8 | 1365.9 | 1326.2 | 1295.6 |
| 15°    | 1942.0 | 1852.3 | 1765.3 | 1669.4 | 1581.0 | 1498.3 | 1440.9 | 1384.8 | 1335.1 | 1294.4 | 1255.2 |
| 17.5°  | 2035.1 | 1933.4 | 1818.9 | 1702.1 | 1595.6 | 1497.5 | 1417.0 | 1353.7 | 1291.5 | 1241.7 | 1202.6 |
| 20°    | 2087.8 | 1972.1 | 1842.5 | 1721.2 | 1603.5 | 1494.2 | 1405.9 | 1330.2 | 1262.8 | 1210.3 | 1166.2 |
| 22.5°  | 2133.2 | 1997.9 | 1863.8 | 1734.1 | 1602.9 | 1485.1 | 1385.1 | 1307.2 | 1234.3 | 1182.9 | 1135.9 |
| 25°    | 2180.2 | 2018.4 | 1883.8 | 1731.7 | 1585.3 | 1463.3 | 1351.2 | 1262.8 | 1190.0 | 1129.7 | 1081.4 |
| 27.5°  | 2220.6 | 2017.0 | 1857.3 | 1693.7 | 1557.5 | 1435.3 | 1315.5 | 1220.8 | 1143.4 | 1078.0 | 1028.9 |
| 30°    | 2247.5 | 2019.7 | 1829.8 | 1667.9 | 1530.6 | 1404.4 | 1288.1 | 1192.8 | 1111.5 | 1044.9 | 998.6  |
| 32.5°  | 2264.3 | 2018.0 | 1804.6 | 1632.1 | 1488.0 | 1376.4 | 1258.4 | 1159.7 | 1076.2 | 1010.8 | 966.2  |
| 35°    | 2274.1 | 2005.7 | 1761.1 | 1557.9 | 1419.2 | 1310.5 | 1211.7 | 1109.4 | 1021.8 | 960.8  | 910.3  |
| 37.5°  | 2254.5 | 1979.8 | 1710.7 | 1486.4 | 1334.5 | 1227.5 | 1144.4 | 1057.2 | 973.4  | 906.3  | 862.8  |
| 40°    | 2223.7 | 1963.0 | 1671.4 | 1436.0 | 1276.2 | 1173.1 | 1102.4 | 1016.9 | 934.2  | 870.4  | 829.7  |
| 42.5°  | 2164.8 | 1928.8 | 1628.3 | 1379.9 | 1215.7 | 1112.6 | 1047.4 | 976.0  | 897.8  | 837.9  | 797.3  |
| 45°    | 2021.2 | 1854.3 | 1563.5 | 1295.8 | 1126.2 | 1019.7 | 962.2  | 910.3  | 839.5  | 781.4  | 746.4  |
| 47.5°  | 1821.9 | 1742.4 | 1469.9 | 1207.1 | 1032.9 | 930.4  | 870.7  | 828.9  | 777.2  | 730.2  | 696.6  |
| 50°    | 1683.4 | 1650.4 | 1406.5 | 1146.6 | 970.6  | 870.4  | 813.0  | 775.1  | 738.0  | 691.0  | 660.1  |
| 52.5°  | 1523.6 | 1543.9 | 1332.6 | 1083.7 | 907.3  | 808.8  | 754.7  | 724.6  | 690.9  | 652.3  | 625.4  |
| 55°    | 1298.6 | 1372.2 | 1204.7 | 978.3  | 813.0  | 719.1  | 667.9  | 641.2  | 621.6  | 592.9  | 569.8  |
| 57.5°  | 1088.0 | 1181.6 | 1066.5 | 869.7  | 720.3  | 639.3  | 590.2  | 561.2  | 548.6  | 533.6  | 515.4  |
| 60°    | 963.0  | 1055.4 | 967.9  | 796.8  | 658.1  | 580.9  | 537.5  | 513.0  | 500.3  | 489.9  | 474.5  |
| 62.5°  | 851.3  | 944.9  | 871.4  | 722.8  | 596.9  | 525.5  | 487.6  | 463.7  | 453.9  | 448.4  | 435.2  |
| 65°    | 698.0  | 778.6  | 729.5  | 607.6  | 509.5  | 446.4  | 412.1  | 395.3  | 386.1  | 384.1  | 375.7  |
| 67.5°  | 568.1  | 629.5  | 593.7  | 504.0  | 426.8  | 372.3  | 343.1  | 328.9  | 321.8  | 321.1  | 314.8  |
| 70°    | 482.9  | 540.3  | 513.0  | 431.7  | 365.2  | 322.4  | 297.1  | 284.5  | 280.4  | 279.6  | 276.2  |
| 72.5°  | 416.7  | 456.8  | 435.1  | 367.2  | 315.8  | 277.0  | 258.4  | 245.3  | 240.5  | 241.5  | 239.2  |
| 75°    | 308.4  | 338.5  | 325.9  | 278.9  | 237.6  | 212.3  | 196.9  | 188.5  | 184.3  | 186.5  | 183.6  |
| 77.5°  | 221.9  | 240.9  | 229.6  | 197.1  | 171.6  | 153.4  | 142.0  | 136.8  | 133.0  | 132.9  | 131.6  |
| 80°    | 167.5  | 178.7  | 172.4  | 152.8  | 131.8  | 116.4  | 107.2  | 103.7  | 101.7  | 100.9  | 100.2  |
| 82.5°  | 119.3  | 128.9  | 121.4  | 107.9  | 93.6   | 84.4   | 79.2   | 74.5   | 73.0   | 73.5   | 72.8   |
| 85°    | 60.3   | 63.8   | 61.0   | 52.5   | 47.0   | 42.7   | 39.9   | 37.8   | 36.5   | 37.2   | 35.8   |
| 87.5°  | 21.9   | 22.3   | 20.4   | 18.1   | 16.9   | 15.0   | 14.8   | 13.6   | 12.6   | 12.8   | 12.3   |
| 90°    | 6.0    | 5.1    | 4.1    | 3.5    | 2.9    | 1.9    | 1.2    | 0.6    | 1.2    | 1.9    | 2.9    |
| 92.5°  | 40.0   | 26.5   | 18.2   | 13.6   | 10.9   | 8.5    | 5.8    | 3.9    | 5.8    | 8.5    | 10.9   |
| 95°    | 114.7  | 67.8   | 40.9   | 28.7   | 20.5   | 15.2   | 11.7   | 10.7   | 11.7   | 15.2   | 20.5   |
| 97.5°  | 125.8  | 72.9   | 47.3   | 34.1   | 25.9   | 21.3   | 18.5   | 18.3   | 18.5   | 21.3   | 25.9   |
| 100°   | 118.8  | 72.1   | 50.1   | 37.8   | 30.2   | 25.9   | 23.6   | 23.4   | 23.6   | 25.9   | 30.2   |
| 102.5° | 112.7  | 73.2   | 53.4   | 42.1   | 35.3   | 31.1   | 29.2   | 28.6   | 29.2   | 31.1   | 35.3   |
| 105°   | 108.4  | 76.0   | 58.9   | 49.1   | 43.2   | 39.4   | 37.5   | 36.6   | 37.5   | 39.4   | 43.2   |
| 107.5° | 108.1  | 81.1   | 66.2   | 57.1   | 51.5   | 47.8   | 45.9   | 45.0   | 45.9   | 47.8   | 51.5   |
| 110°   | 109.3  | 85.4   | 71.2   | 62.4   | 57.1   | 53.6   | 52.0   | 51.0   | 52.0   | 53.6   | 57.1   |





TEST NUMBER: P332047-940

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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 111.9 | 89.7  | 76.5  | 67.9  | 62.6  | 59.1  | 57.5  | 56.6  | 57.5  | 59.1  | 62.6  |
| 115°   | 115.9 | 96.8  | 84.8  | 76.2  | 70.9  | 67.8  | 65.9  | 64.6  | 65.9  | 67.8  | 70.9  |
| 117.5° | 121.4 | 104.2 | 92.4  | 84.5  | 78.6  | 75.6  | 74.0  | 72.6  | 74.0  | 75.6  | 78.6  |
| 120°   | 125.4 | 109.1 | 97.6  | 89.8  | 83.8  | 80.7  | 79.1  | 78.1  | 79.1  | 80.7  | 83.8  |
| 122.5° | 129.2 | 114.0 | 103.0 | 94.6  | 88.9  | 85.4  | 83.9  | 82.9  | 83.9  | 85.4  | 88.9  |
| 125°   | 135.2 | 121.4 | 110.3 | 101.7 | 95.8  | 92.3  | 90.4  | 89.8  | 90.4  | 92.3  | 95.8  |
| 127.5° | 140.1 | 127.6 | 117.0 | 108.4 | 101.8 | 98.4  | 95.9  | 95.1  | 95.9  | 98.4  | 101.8 |
| 130°   | 143.4 | 131.4 | 121.0 | 112.5 | 105.8 | 102.1 | 99.2  | 98.4  | 99.2  | 102.1 | 105.8 |
| 132.5° | 146.4 | 134.6 | 124.6 | 116.3 | 109.7 | 105.1 | 102.0 | 100.9 | 102.0 | 105.1 | 109.7 |
| 135°   | 150.3 | 139.6 | 129.8 | 121.4 | 114.7 | 109.9 | 106.5 | 105.2 | 106.5 | 109.9 | 114.7 |
| 137.5° | 153.2 | 143.0 | 133.6 | 125.7 | 119.1 | 114.1 | 110.8 | 109.4 | 110.8 | 114.1 | 119.1 |
| 140°   | 154.7 | 145.3 | 136.2 | 128.2 | 122.0 | 116.9 | 113.8 | 112.2 | 113.8 | 116.9 | 122.0 |
| 142.5° | 156.2 | 147.0 | 138.1 | 130.8 | 124.5 | 119.9 | 116.5 | 115.2 | 116.5 | 119.9 | 124.5 |
| 145°   | 157.8 | 149.4 | 141.2 | 133.9 | 128.6 | 123.9 | 121.0 | 120.0 | 121.0 | 123.9 | 128.6 |
| 147.5° | 158.9 | 151.2 | 143.7 | 137.6 | 132.4 | 128.3 | 125.6 | 125.0 | 125.6 | 128.3 | 132.4 |
| 150°   | 159.2 | 152.5 | 145.3 | 139.6 | 135.2 | 131.1 | 128.6 | 128.2 | 128.6 | 131.1 | 135.2 |
| 152.5° | 159.6 | 153.3 | 147.0 | 141.6 | 137.7 | 134.1 | 131.6 | 131.5 | 131.6 | 134.1 | 137.7 |
| 155°   | 159.8 | 154.7 | 149.4 | 145.0 | 141.5 | 138.3 | 136.4 | 136.4 | 136.4 | 138.3 | 141.5 |
| 157.5° | 160.1 | 155.5 | 151.2 | 147.8 | 144.9 | 142.1 | 140.6 | 140.4 | 140.6 | 142.1 | 144.9 |
| 160°   | 160.1 | 156.3 | 152.5 | 149.4 | 147.1 | 144.6 | 143.4 | 143.4 | 143.4 | 144.6 | 147.1 |
| 162.5° | 159.8 | 156.6 | 153.3 | 150.6 | 148.6 | 146.7 | 145.6 | 145.6 | 145.6 | 146.7 | 148.6 |
| 165°   | 159.2 | 156.9 | 154.4 | 152.2 | 151.0 | 149.4 | 148.7 | 149.0 | 148.7 | 149.4 | 151.0 |
| 167.5° | 158.6 | 156.9 | 155.1 | 153.6 | 152.8 | 151.6 | 151.2 | 151.6 | 151.2 | 151.6 | 152.8 |
| 170°   | 157.8 | 156.6 | 155.1 | 154.4 | 153.7 | 152.8 | 152.5 | 153.1 | 152.5 | 152.8 | 153.7 |
| 172.5° | 157.7 | 156.6 | 155.2 | 154.9 | 154.5 | 153.8 | 153.7 | 154.2 | 153.7 | 153.8 | 154.5 |
| 175°   | 156.9 | 156.3 | 155.7 | 155.3 | 155.3 | 154.7 | 155.1 | 155.3 | 155.1 | 154.7 | 155.3 |
| 177.5° | 156.4 | 156.0 | 155.7 | 155.7 | 155.7 | 155.4 | 155.7 | 156.0 | 155.7 | 155.4 | 155.7 |
| 180°   | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 |



TEST NUMBER: P332047-940

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**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 |
| 2.5°   | 1422.4 | 1418.4 | 1412.8 | 1404.4 | 1397.7 | 1387.1 | 1387.1 | 1388.8 | 1388.8 | 1388.2 | 1387.1 |
| 5°     | 1379.2 | 1368.7 | 1356.1 | 1341.4 | 1326.0 | 1310.5 | 1307.7 | 1302.1 | 1297.9 | 1295.1 | 1291.6 |
| 7.5°   | 1333.6 | 1315.0 | 1296.6 | 1276.0 | 1257.2 | 1241.7 | 1230.9 | 1221.9 | 1216.2 | 1210.1 | 1205.5 |
| 10°    | 1302.8 | 1279.7 | 1257.9 | 1236.3 | 1212.4 | 1193.5 | 1181.6 | 1173.1 | 1166.9 | 1161.3 | 1158.4 |
| 12.5°  | 1266.4 | 1239.9 | 1215.9 | 1195.3 | 1169.2 | 1149.8 | 1138.4 | 1134.4 | 1127.0 | 1115.3 | 1109.1 |
| 15°    | 1213.1 | 1188.6 | 1159.8 | 1128.3 | 1115.7 | 1091.9 | 1078.5 | 1072.3 | 1068.0 | 1058.9 | 1056.1 |
| 17.5°  | 1167.5 | 1135.4 | 1103.2 | 1079.7 | 1056.2 | 1036.9 | 1029.5 | 1021.6 | 1016.0 | 1008.6 | 1006.4 |
| 20°    | 1131.1 | 1102.4 | 1072.9 | 1047.8 | 1023.1 | 1002.2 | 995.9  | 990.2  | 984.6  | 981.1  | 978.3  |
| 22.5°  | 1094.1 | 1065.4 | 1041.0 | 1017.4 | 991.2  | 977.5  | 970.6  | 964.5  | 960.6  | 958.1  | 955.4  |
| 25°    | 1042.1 | 1016.9 | 989.5  | 968.5  | 947.5  | 938.3  | 934.2  | 930.7  | 927.9  | 924.3  | 923.6  |
| 27.5°  | 995.6  | 968.1  | 945.9  | 926.3  | 911.2  | 903.7  | 899.6  | 897.9  | 898.5  | 899.7  | 900.5  |
| 30°    | 960.8  | 935.6  | 917.4  | 900.5  | 886.5  | 879.5  | 878.8  | 878.8  | 881.6  | 882.3  | 883.7  |
| 32.5°  | 928.9  | 908.1  | 889.9  | 873.6  | 863.0  | 858.2  | 860.9  | 860.9  | 863.1  | 865.0  | 867.5  |
| 35°    | 882.3  | 864.1  | 850.1  | 836.1  | 827.0  | 829.0  | 830.5  | 831.9  | 835.4  | 839.5  | 842.4  |
| 37.5°  | 837.9  | 822.1  | 807.4  | 796.6  | 792.4  | 796.1  | 799.5  | 802.5  | 806.5  | 809.8  | 812.5  |
| 40°    | 805.9  | 794.0  | 780.0  | 770.2  | 771.6  | 773.7  | 776.5  | 780.0  | 783.5  | 785.6  | 788.5  |
| 42.5°  | 776.2  | 763.8  | 753.1  | 744.9  | 746.9  | 749.6  | 751.3  | 753.1  | 757.2  | 761.0  | 762.6  |
| 45°    | 730.9  | 721.1  | 711.3  | 706.4  | 707.8  | 709.3  | 710.6  | 712.7  | 716.2  | 719.1  | 719.7  |
| 47.5°  | 680.1  | 673.2  | 666.6  | 661.8  | 664.1  | 663.5  | 665.4  | 669.9  | 670.9  | 672.6  | 676.5  |
| 50°    | 647.6  | 641.2  | 633.6  | 632.1  | 632.1  | 632.1  | 632.8  | 638.5  | 638.5  | 641.2  | 644.1  |
| 52.5°  | 611.7  | 607.6  | 602.7  | 600.2  | 599.1  | 599.1  | 602.0  | 604.8  | 605.9  | 609.8  | 612.7  |
| 55°    | 558.6  | 554.4  | 550.1  | 548.0  | 546.6  | 548.0  | 553.7  | 555.0  | 558.6  | 560.6  | 562.8  |
| 57.5°  | 503.2  | 500.0  | 496.6  | 495.4  | 495.2  | 497.0  | 500.1  | 504.3  | 505.2  | 511.6  | 514.8  |
| 60°    | 466.7  | 461.8  | 459.1  | 459.1  | 457.6  | 464.0  | 462.5  | 469.6  | 470.9  | 475.2  | 480.1  |
| 62.5°  | 429.2  | 422.6  | 421.5  | 421.5  | 423.5  | 425.3  | 427.2  | 430.3  | 433.9  | 439.3  | 443.1  |
| 65°    | 368.6  | 365.2  | 370.1  | 369.3  | 367.9  | 372.1  | 372.1  | 375.7  | 379.9  | 384.8  | 392.4  |
| 67.5°  | 311.3  | 309.5  | 309.9  | 309.9  | 312.0  | 314.4  | 316.4  | 319.4  | 324.5  | 329.7  | 334.7  |
| 70°    | 272.6  | 274.7  | 271.3  | 274.0  | 276.2  | 276.8  | 278.2  | 282.4  | 288.0  | 291.5  | 297.1  |
| 72.5°  | 235.1  | 234.9  | 235.3  | 236.5  | 238.5  | 239.8  | 241.2  | 246.0  | 252.2  | 255.1  | 259.6  |
| 75°    | 180.8  | 180.1  | 182.2  | 182.2  | 185.7  | 187.1  | 188.5  | 190.6  | 196.3  | 200.5  | 203.9  |
| 77.5°  | 132.1  | 132.9  | 132.4  | 134.8  | 133.8  | 134.1  | 138.5  | 140.6  | 141.2  | 149.5  | 151.2  |
| 80°    | 99.5   | 100.9  | 101.7  | 102.3  | 103.0  | 101.7  | 106.6  | 108.6  | 108.6  | 113.5  | 117.0  |
| 82.5°  | 71.5   | 72.3   | 74.2   | 74.8   | 75.0   | 76.4   | 76.8   | 78.4   | 80.1   | 82.1   | 86.8   |
| 85°    | 35.8   | 37.8   | 38.5   | 37.8   | 38.5   | 37.2   | 39.2   | 39.9   | 40.7   | 40.7   | 40.7   |
| 87.5°  | 11.9   | 12.6   | 12.2   | 12.9   | 12.6   | 13.4   | 13.3   | 12.2   | 12.3   | 14.0   | 11.9   |
| 90°    | 3.5    | 4.1    | 5.1    | 6.0    | 7.0    | 7.8    | 7.6    | 7.8    | 8.2    | 8.5    | 9.1    |
| 92.5°  | 13.6   | 18.2   | 26.5   | 40.0   | 53.3   | 48.4   | 36.6   | 26.6   | 21.0   | 18.5   | 16.9   |
| 95°    | 28.7   | 40.9   | 67.8   | 114.7  | 166.4  | 186.9  | 151.6  | 113.4  | 76.9   | 60.2   | 48.9   |
| 97.5°  | 34.1   | 47.3   | 72.9   | 125.8  | 212.0  | 289.6  | 309.8  | 282.8  | 226.5  | 185.8  | 148.2  |
| 100°   | 37.8   | 50.1   | 72.1   | 118.8  | 201.7  | 298.5  | 360.5  | 371.5  | 346.0  | 309.2  | 264.4  |
| 102.5° | 42.1   | 53.4   | 73.2   | 112.7  | 186.5  | 282.0  | 363.0  | 401.0  | 400.2  | 378.7  | 350.4  |
| 105°   | 49.1   | 58.9   | 76.0   | 108.4  | 168.0  | 253.3  | 343.8  | 409.7  | 441.1  | 447.1  | 439.0  |
| 107.5° | 57.1   | 66.2   | 81.1   | 108.1  | 156.1  | 228.0  | 310.1  | 384.8  | 436.0  | 463.6  | 474.8  |
| 110°   | 62.4   | 71.2   | 85.4   | 109.3  | 151.6  | 213.7  | 289.0  | 361.1  | 419.1  | 458.8  | 480.9  |



TEST NUMBER: P332047-940

CATALOG NUMBER: S123DIP-S1165D365U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 67.9  | 76.5  | 89.7  | 111.9 | 149.0 | 204.0 | 270.5 | 337.7 | 396.9 | 441.4 | 469.8 |
| 115°   | 76.2  | 84.8  | 96.8  | 115.9 | 148.1 | 193.8 | 248.3 | 306.6 | 361.4 | 407.8 | 442.1 |
| 117.5° | 84.5  | 92.4  | 104.2 | 121.4 | 148.6 | 187.7 | 234.9 | 284.1 | 331.4 | 373.0 | 407.9 |
| 120°   | 89.8  | 97.6  | 109.1 | 125.4 | 149.7 | 184.9 | 227.8 | 272.2 | 314.8 | 352.6 | 384.4 |
| 122.5° | 94.6  | 103.0 | 114.0 | 129.2 | 151.4 | 183.2 | 222.0 | 263.0 | 301.4 | 336.4 | 366.0 |
| 125°   | 101.7 | 110.3 | 121.4 | 135.2 | 154.1 | 180.8 | 214.6 | 250.5 | 284.9 | 315.1 | 340.4 |
| 127.5° | 108.4 | 117.0 | 127.6 | 140.1 | 157.1 | 179.8 | 208.0 | 239.7 | 270.3 | 297.6 | 320.6 |
| 130°   | 112.5 | 121.0 | 131.4 | 143.4 | 159.2 | 179.0 | 204.5 | 232.8 | 261.3 | 286.8 | 308.2 |
| 132.5° | 116.3 | 124.6 | 134.6 | 146.4 | 160.7 | 178.7 | 201.3 | 226.6 | 252.6 | 276.4 | 296.9 |
| 135°   | 121.4 | 129.8 | 139.6 | 150.3 | 162.9 | 178.3 | 197.0 | 218.0 | 240.4 | 260.9 | 278.8 |
| 137.5° | 125.7 | 133.6 | 143.0 | 153.2 | 164.4 | 177.6 | 193.2 | 210.3 | 228.6 | 246.3 | 261.9 |
| 140°   | 128.2 | 136.2 | 145.3 | 154.7 | 165.4 | 177.5 | 190.9 | 205.8 | 221.9 | 236.9 | 250.5 |
| 142.5° | 130.8 | 138.1 | 147.0 | 156.2 | 166.2 | 176.9 | 189.0 | 201.5 | 215.3 | 228.4 | 240.1 |
| 145°   | 133.9 | 141.2 | 149.4 | 157.8 | 166.7 | 176.1 | 186.2 | 196.4 | 206.7 | 216.8 | 226.0 |
| 147.5° | 137.6 | 143.7 | 151.2 | 158.9 | 166.7 | 175.0 | 183.6 | 192.1 | 200.4 | 208.5 | 215.0 |
| 150°   | 139.6 | 145.3 | 152.5 | 159.2 | 166.7 | 174.0 | 181.8 | 189.0 | 196.4 | 203.0 | 208.9 |
| 152.5° | 141.6 | 147.0 | 153.3 | 159.6 | 165.9 | 172.7 | 179.8 | 186.3 | 192.5 | 198.4 | 203.4 |
| 155°   | 145.0 | 149.4 | 154.7 | 159.8 | 165.1 | 170.5 | 176.7 | 182.2 | 187.2 | 191.9 | 195.6 |
| 157.5° | 147.8 | 151.2 | 155.5 | 160.1 | 164.1 | 168.5 | 173.3 | 177.7 | 181.9 | 185.6 | 188.6 |
| 160°   | 149.4 | 152.5 | 156.3 | 160.1 | 163.5 | 167.0 | 171.1 | 175.2 | 178.7 | 181.8 | 184.0 |
| 162.5° | 150.6 | 153.3 | 156.6 | 159.8 | 162.6 | 165.5 | 168.8 | 172.2 | 175.1 | 178.1 | 180.0 |
| 165°   | 152.2 | 154.4 | 156.9 | 159.2 | 161.0 | 163.3 | 165.8 | 168.3 | 170.1 | 172.4 | 174.0 |
| 167.5° | 153.6 | 155.1 | 156.9 | 158.6 | 159.5 | 161.0 | 162.8 | 164.9 | 166.3 | 167.6 | 168.7 |
| 170°   | 154.4 | 155.1 | 156.6 | 157.8 | 158.5 | 159.4 | 161.0 | 162.6 | 163.5 | 164.8 | 165.4 |
| 172.5° | 154.9 | 155.2 | 156.6 | 157.7 | 157.7 | 158.2 | 159.3 | 160.6 | 161.3 | 162.3 | 162.6 |
| 175°   | 155.3 | 155.7 | 156.3 | 156.9 | 156.6 | 156.6 | 157.2 | 157.8 | 158.2 | 158.8 | 158.8 |
| 177.5° | 155.7 | 155.7 | 156.0 | 156.4 | 156.0 | 155.7 | 156.0 | 156.1 | 156.4 | 156.7 | 156.7 |
| 180°   | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 |



TEST NUMBER: P332047-940

CATALOG NUMBER: S123DIP-S1165D365U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 |
| 2.5°   | 1383.1 | 1382.6 | 1386.5 | 1383.7 | 1386.5 | 1382.6 | 1383.1 | 1387.1 | 1388.2 | 1388.8 | 1388.8 |
| 5°     | 1287.4 | 1289.5 | 1282.5 | 1282.5 | 1282.5 | 1289.5 | 1287.4 | 1291.6 | 1295.1 | 1297.9 | 1302.1 |
| 7.5°   | 1202.2 | 1199.1 | 1199.4 | 1195.6 | 1199.4 | 1199.1 | 1202.2 | 1205.5 | 1210.1 | 1216.2 | 1221.9 |
| 10°    | 1150.0 | 1145.8 | 1144.4 | 1145.1 | 1144.4 | 1145.8 | 1150.0 | 1158.4 | 1161.3 | 1166.9 | 1173.1 |
| 12.5°  | 1106.9 | 1106.0 | 1096.8 | 1096.9 | 1096.8 | 1106.0 | 1106.9 | 1109.1 | 1115.3 | 1127.0 | 1134.4 |
| 15°    | 1056.1 | 1042.9 | 1041.4 | 1045.6 | 1041.4 | 1042.9 | 1056.1 | 1056.1 | 1058.9 | 1068.0 | 1072.3 |
| 17.5°  | 1005.2 | 998.3  | 998.6  | 996.6  | 998.6  | 998.3  | 1005.2 | 1006.4 | 1008.6 | 1016.0 | 1021.6 |
| 20°    | 978.3  | 974.1  | 973.4  | 968.5  | 973.4  | 974.1  | 978.3  | 978.3  | 981.1  | 984.6  | 990.2  |
| 22.5°  | 953.7  | 952.3  | 952.7  | 947.3  | 952.7  | 952.3  | 953.7  | 955.4  | 958.1  | 960.6  | 964.5  |
| 25°    | 923.0  | 926.5  | 923.6  | 923.6  | 923.6  | 926.5  | 923.0  | 923.6  | 924.3  | 927.9  | 930.7  |
| 27.5°  | 902.2  | 902.1  | 900.7  | 900.7  | 900.7  | 902.1  | 902.2  | 900.5  | 899.7  | 898.5  | 897.9  |
| 30°    | 886.5  | 885.8  | 887.3  | 887.3  | 887.3  | 885.8  | 886.5  | 883.7  | 882.3  | 881.6  | 878.8  |
| 32.5°  | 870.8  | 871.8  | 872.1  | 872.6  | 872.1  | 871.8  | 870.8  | 867.5  | 865.0  | 863.1  | 860.9  |
| 35°    | 846.6  | 847.3  | 849.4  | 848.0  | 849.4  | 847.3  | 846.6  | 842.4  | 839.5  | 835.4  | 831.9  |
| 37.5°  | 813.8  | 817.0  | 816.3  | 817.4  | 816.3  | 817.0  | 813.8  | 812.5  | 809.8  | 806.5  | 802.5  |
| 40°    | 789.1  | 791.2  | 790.5  | 790.5  | 790.5  | 791.2  | 789.1  | 788.5  | 785.6  | 783.5  | 780.0  |
| 42.5°  | 763.9  | 765.4  | 763.6  | 762.5  | 763.6  | 765.4  | 763.9  | 762.6  | 761.0  | 757.2  | 753.1  |
| 45°    | 722.6  | 721.1  | 723.3  | 720.4  | 723.3  | 721.1  | 722.6  | 719.7  | 719.1  | 716.2  | 712.7  |
| 47.5°  | 676.3  | 677.7  | 678.2  | 680.4  | 678.2  | 677.7  | 676.3  | 676.5  | 672.6  | 670.9  | 669.9  |
| 50°    | 645.4  | 649.6  | 649.6  | 649.0  | 649.6  | 649.6  | 645.4  | 644.1  | 641.2  | 638.5  | 638.5  |
| 52.5°  | 615.2  | 617.2  | 619.9  | 619.8  | 619.9  | 617.2  | 615.2  | 612.7  | 609.8  | 605.9  | 604.8  |
| 55°    | 568.4  | 569.8  | 571.1  | 571.9  | 571.1  | 569.8  | 568.4  | 562.8  | 560.6  | 558.6  | 555.0  |
| 57.5°  | 519.9  | 519.3  | 522.6  | 523.6  | 522.6  | 519.3  | 519.9  | 514.8  | 511.6  | 505.2  | 504.3  |
| 60°    | 485.6  | 485.6  | 491.2  | 493.4  | 491.2  | 485.6  | 485.6  | 480.1  | 475.2  | 470.9  | 469.6  |
| 62.5°  | 449.2  | 451.5  | 457.1  | 454.1  | 457.1  | 451.5  | 449.2  | 443.1  | 439.3  | 433.9  | 430.3  |
| 65°    | 395.9  | 401.5  | 400.8  | 403.7  | 400.8  | 401.5  | 395.9  | 392.4  | 384.8  | 379.9  | 375.7  |
| 67.5°  | 340.3  | 343.8  | 348.8  | 349.3  | 348.8  | 343.8  | 340.3  | 334.7  | 329.7  | 324.5  | 319.4  |
| 70°    | 302.7  | 306.2  | 309.1  | 311.1  | 309.1  | 306.2  | 302.7  | 297.1  | 291.5  | 288.0  | 282.4  |
| 72.5°  | 266.4  | 268.1  | 274.8  | 271.9  | 274.8  | 268.1  | 266.4  | 259.6  | 255.1  | 252.2  | 246.0  |
| 75°    | 208.8  | 213.7  | 217.9  | 215.9  | 217.9  | 213.7  | 208.8  | 203.9  | 200.5  | 196.3  | 190.6  |
| 77.5°  | 154.4  | 159.3  | 161.3  | 159.5  | 161.3  | 159.3  | 154.4  | 151.2  | 149.5  | 141.2  | 140.6  |
| 80°    | 122.0  | 121.3  | 125.5  | 124.8  | 125.5  | 121.3  | 122.0  | 117.0  | 113.5  | 108.6  | 108.6  |
| 82.5°  | 89.4   | 88.7   | 90.7   | 91.1   | 90.7   | 88.7   | 89.4   | 86.8   | 82.1   | 80.1   | 78.4   |
| 85°    | 43.4   | 45.6   | 42.7   | 42.1   | 42.7   | 45.6   | 43.4   | 40.7   | 40.7   | 40.7   | 39.9   |
| 87.5°  | 11.9   | 11.9   | 11.4   | 10.8   | 11.4   | 11.9   | 11.9   | 11.9   | 14.0   | 12.3   | 12.2   |
| 90°    | 8.8    | 9.1    | 9.5    | 9.1    | 9.5    | 9.1    | 8.8    | 9.1    | 8.5    | 8.2    | 7.8    |
| 92.5°  | 16.4   | 15.4   | 15.8   | 15.2   | 15.8   | 15.4   | 16.4   | 16.9   | 18.5   | 21.0   | 26.6   |
| 95°    | 42.9   | 40.0   | 37.8   | 36.6   | 37.8   | 40.0   | 42.9   | 48.9   | 60.2   | 76.9   | 113.4  |
| 97.5°  | 124.9  | 110.8  | 102.2  | 99.5   | 102.2  | 110.8  | 124.9  | 148.2  | 185.8  | 226.5  | 282.8  |
| 100°   | 232.6  | 209.6  | 197.2  | 197.6  | 197.2  | 209.6  | 232.6  | 264.4  | 309.2  | 346.0  | 371.5  |
| 102.5° | 325.6  | 307.4  | 297.1  | 289.8  | 297.1  | 307.4  | 325.6  | 350.4  | 378.7  | 400.2  | 401.0  |
| 105°   | 424.5  | 412.5  | 402.4  | 400.8  | 402.4  | 412.5  | 424.5  | 439.0  | 447.1  | 441.1  | 409.7  |
| 107.5° | 475.1  | 471.0  | 467.6  | 464.8  | 467.6  | 471.0  | 475.1  | 474.8  | 463.6  | 436.0  | 384.8  |
| 110°   | 489.7  | 492.2  | 491.6  | 491.0  | 491.6  | 492.2  | 489.7  | 480.9  | 458.8  | 419.1  | 361.1  |



TEST NUMBER: P332047-940

CATALOG NUMBER: S123DIP-S1165D365U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 485.9 | 493.7 | 496.1 | 496.2 | 496.1 | 493.7 | 485.9 | 469.8 | 441.4 | 396.9 | 337.7 |
| 115°   | 465.7 | 479.6 | 485.9 | 487.5 | 485.9 | 479.6 | 465.7 | 442.1 | 407.8 | 361.4 | 306.6 |
| 117.5° | 432.6 | 448.4 | 457.4 | 459.6 | 457.4 | 448.4 | 432.6 | 407.9 | 373.0 | 331.4 | 284.1 |
| 120°   | 409.3 | 427.0 | 434.5 | 436.4 | 434.5 | 427.0 | 409.3 | 384.4 | 352.6 | 314.8 | 272.2 |
| 122.5° | 388.2 | 404.0 | 412.3 | 414.7 | 412.3 | 404.0 | 388.2 | 366.0 | 336.4 | 301.4 | 263.0 |
| 125°   | 360.5 | 374.3 | 382.3 | 384.4 | 382.3 | 374.3 | 360.5 | 340.4 | 315.1 | 284.9 | 250.5 |
| 127.5° | 338.5 | 350.4 | 357.5 | 359.4 | 357.5 | 350.4 | 338.5 | 320.6 | 297.6 | 270.3 | 239.7 |
| 130°   | 324.9 | 336.3 | 342.9 | 345.4 | 342.9 | 336.3 | 324.9 | 308.2 | 286.8 | 261.3 | 232.8 |
| 132.5° | 312.5 | 323.9 | 329.8 | 331.5 | 329.8 | 323.9 | 312.5 | 296.9 | 276.4 | 252.6 | 226.6 |
| 135°   | 294.4 | 303.8 | 309.4 | 311.7 | 309.4 | 303.8 | 294.4 | 278.8 | 260.9 | 240.4 | 218.0 |
| 137.5° | 274.8 | 284.5 | 289.2 | 290.7 | 289.2 | 284.5 | 274.8 | 261.9 | 246.3 | 228.6 | 210.3 |
| 140°   | 262.5 | 271.3 | 276.3 | 276.1 | 276.3 | 271.3 | 262.5 | 250.5 | 236.9 | 221.9 | 205.8 |
| 142.5° | 250.4 | 258.2 | 262.7 | 262.4 | 262.7 | 258.2 | 250.4 | 240.1 | 228.4 | 215.3 | 201.5 |
| 145°   | 233.8 | 240.4 | 243.0 | 243.6 | 243.0 | 240.4 | 233.8 | 226.0 | 216.8 | 206.7 | 196.4 |
| 147.5° | 221.0 | 225.4 | 227.8 | 228.1 | 227.8 | 225.4 | 221.0 | 215.0 | 208.5 | 200.4 | 192.1 |
| 150°   | 213.7 | 217.1 | 219.0 | 219.0 | 219.0 | 217.1 | 213.7 | 208.9 | 203.0 | 196.4 | 189.0 |
| 152.5° | 207.1 | 210.3 | 211.4 | 211.4 | 211.4 | 210.3 | 207.1 | 203.4 | 198.4 | 192.5 | 186.3 |
| 155°   | 198.5 | 201.1 | 201.7 | 202.0 | 201.7 | 201.1 | 198.5 | 195.6 | 191.9 | 187.2 | 182.2 |
| 157.5° | 191.0 | 192.9 | 193.4 | 193.3 | 193.4 | 192.9 | 191.0 | 188.6 | 185.6 | 181.9 | 177.7 |
| 160°   | 186.2 | 188.2 | 188.2 | 187.8 | 188.2 | 188.2 | 186.2 | 184.0 | 181.8 | 178.7 | 175.2 |
| 162.5° | 181.5 | 183.1 | 183.1 | 182.8 | 183.1 | 183.1 | 181.5 | 180.0 | 178.1 | 175.1 | 172.2 |
| 165°   | 175.2 | 176.5 | 176.1 | 176.1 | 176.1 | 176.5 | 175.2 | 174.0 | 172.4 | 170.1 | 168.3 |
| 167.5° | 169.2 | 170.1 | 169.9 | 169.9 | 169.9 | 170.1 | 169.2 | 168.7 | 167.6 | 166.3 | 164.9 |
| 170°   | 165.8 | 166.4 | 166.0 | 166.0 | 166.0 | 166.4 | 165.8 | 165.4 | 164.8 | 163.5 | 162.6 |
| 172.5° | 162.7 | 163.4 | 162.8 | 162.6 | 162.8 | 163.4 | 162.7 | 162.6 | 162.3 | 161.3 | 160.6 |
| 175°   | 158.8 | 159.2 | 158.8 | 158.5 | 158.8 | 159.2 | 158.8 | 158.8 | 158.8 | 158.2 | 157.8 |
| 177.5° | 156.4 | 156.7 | 156.1 | 156.1 | 156.1 | 156.7 | 156.4 | 156.7 | 156.7 | 156.4 | 156.1 |
| 180°   | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 |



TEST NUMBER: P332047-940

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**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 |
| 2.5°   | 1387.1 | 1387.1 | 1397.7 | 1404.4 | 1412.8 | 1418.4 | 1422.4 | 1426.3 | 1433.1 | 1442.0 | 1452.1 |
| 5°     | 1307.7 | 1310.5 | 1326.0 | 1341.4 | 1356.1 | 1368.7 | 1379.2 | 1391.8 | 1407.2 | 1426.1 | 1447.2 |
| 7.5°   | 1230.9 | 1241.7 | 1257.2 | 1276.0 | 1296.6 | 1315.0 | 1333.6 | 1354.4 | 1376.1 | 1404.0 | 1433.4 |
| 10°    | 1181.6 | 1193.5 | 1212.4 | 1236.3 | 1257.9 | 1279.7 | 1302.8 | 1325.3 | 1352.5 | 1385.5 | 1423.3 |
| 12.5°  | 1138.4 | 1149.8 | 1169.2 | 1195.3 | 1215.9 | 1239.9 | 1266.4 | 1295.6 | 1326.2 | 1365.9 | 1408.8 |
| 15°    | 1078.5 | 1091.9 | 1115.7 | 1128.3 | 1159.8 | 1188.6 | 1213.1 | 1255.2 | 1294.4 | 1335.1 | 1384.8 |
| 17.5°  | 1029.5 | 1036.9 | 1056.2 | 1079.7 | 1103.2 | 1135.4 | 1167.5 | 1202.6 | 1241.7 | 1291.5 | 1353.7 |
| 20°    | 995.9  | 1002.2 | 1023.1 | 1047.8 | 1072.9 | 1102.4 | 1131.1 | 1166.2 | 1210.3 | 1262.8 | 1330.2 |
| 22.5°  | 970.6  | 977.5  | 991.2  | 1017.4 | 1041.0 | 1065.4 | 1094.1 | 1135.9 | 1182.9 | 1234.3 | 1307.2 |
| 25°    | 934.2  | 938.3  | 947.5  | 968.5  | 989.5  | 1016.9 | 1042.1 | 1081.4 | 1129.7 | 1190.0 | 1262.8 |
| 27.5°  | 899.6  | 903.7  | 911.2  | 926.3  | 945.9  | 968.1  | 995.6  | 1028.9 | 1078.0 | 1143.4 | 1220.8 |
| 30°    | 878.8  | 879.5  | 886.5  | 900.5  | 917.4  | 935.6  | 960.8  | 998.6  | 1044.9 | 1111.5 | 1192.8 |
| 32.5°  | 860.9  | 858.2  | 863.0  | 873.6  | 889.9  | 908.1  | 928.9  | 966.2  | 1010.8 | 1076.2 | 1159.7 |
| 35°    | 830.5  | 829.0  | 827.0  | 836.1  | 850.1  | 864.1  | 882.3  | 910.3  | 960.8  | 1021.8 | 1109.4 |
| 37.5°  | 799.5  | 796.1  | 792.4  | 796.6  | 807.4  | 822.1  | 837.9  | 862.8  | 906.3  | 973.4  | 1057.2 |
| 40°    | 776.5  | 773.7  | 771.6  | 770.2  | 780.0  | 794.0  | 805.9  | 829.7  | 870.4  | 934.2  | 1016.9 |
| 42.5°  | 751.3  | 749.6  | 746.9  | 744.9  | 753.1  | 763.8  | 776.2  | 797.3  | 837.9  | 897.8  | 976.0  |
| 45°    | 710.6  | 709.3  | 707.8  | 706.4  | 711.3  | 721.1  | 730.9  | 746.4  | 781.4  | 839.5  | 910.3  |
| 47.5°  | 665.4  | 663.5  | 664.1  | 661.8  | 666.6  | 673.2  | 680.1  | 696.6  | 730.2  | 777.2  | 828.9  |
| 50°    | 632.8  | 632.1  | 632.1  | 632.1  | 633.6  | 641.2  | 647.6  | 660.1  | 691.0  | 738.0  | 775.1  |
| 52.5°  | 602.0  | 599.1  | 599.1  | 600.2  | 602.7  | 607.6  | 611.7  | 625.4  | 652.3  | 690.9  | 724.6  |
| 55°    | 553.7  | 548.0  | 546.6  | 548.0  | 550.1  | 554.4  | 558.6  | 569.8  | 592.9  | 621.6  | 641.2  |
| 57.5°  | 500.1  | 497.0  | 495.2  | 495.4  | 496.6  | 500.0  | 503.2  | 515.4  | 533.6  | 548.6  | 561.2  |
| 60°    | 462.5  | 464.0  | 457.6  | 459.1  | 459.1  | 461.8  | 466.7  | 474.5  | 489.9  | 500.3  | 513.0  |
| 62.5°  | 427.2  | 425.3  | 423.5  | 421.5  | 421.5  | 422.6  | 429.2  | 435.2  | 448.4  | 453.9  | 463.7  |
| 65°    | 372.1  | 372.1  | 367.9  | 369.3  | 370.1  | 365.2  | 368.6  | 375.7  | 384.1  | 386.1  | 395.3  |
| 67.5°  | 316.4  | 314.4  | 312.0  | 309.9  | 309.9  | 309.5  | 311.3  | 314.8  | 321.1  | 321.8  | 328.9  |
| 70°    | 278.2  | 276.8  | 276.2  | 274.0  | 271.3  | 274.7  | 272.6  | 276.2  | 279.6  | 280.4  | 284.5  |
| 72.5°  | 241.2  | 239.8  | 238.5  | 236.5  | 235.3  | 234.9  | 235.1  | 239.2  | 241.5  | 240.5  | 245.3  |
| 75°    | 188.5  | 187.1  | 185.7  | 182.2  | 182.2  | 180.1  | 180.8  | 183.6  | 186.5  | 184.3  | 188.5  |
| 77.5°  | 138.5  | 134.1  | 133.8  | 134.8  | 132.4  | 132.9  | 132.1  | 131.6  | 132.9  | 133.0  | 136.8  |
| 80°    | 106.6  | 101.7  | 103.0  | 102.3  | 101.7  | 100.9  | 99.5   | 100.2  | 100.9  | 101.7  | 103.7  |
| 82.5°  | 76.8   | 76.4   | 75.0   | 74.8   | 74.2   | 72.3   | 71.5   | 72.8   | 73.5   | 73.0   | 74.5   |
| 85°    | 39.2   | 37.2   | 38.5   | 37.8   | 38.5   | 37.8   | 35.8   | 35.8   | 37.2   | 36.5   | 37.8   |
| 87.5°  | 13.3   | 13.4   | 12.6   | 12.9   | 12.2   | 12.6   | 11.9   | 12.3   | 12.8   | 12.6   | 13.6   |
| 90°    | 7.6    | 7.8    | 7.0    | 6.0    | 5.1    | 4.1    | 3.5    | 2.9    | 1.9    | 1.2    | 0.6    |
| 92.5°  | 36.6   | 48.4   | 53.3   | 40.0   | 26.5   | 18.2   | 13.6   | 10.9   | 8.5    | 5.8    | 3.9    |
| 95°    | 151.6  | 186.9  | 166.4  | 114.7  | 67.8   | 40.9   | 28.7   | 20.5   | 15.2   | 11.7   | 10.7   |
| 97.5°  | 309.8  | 289.6  | 212.0  | 125.8  | 72.9   | 47.3   | 34.1   | 25.9   | 21.3   | 18.5   | 18.3   |
| 100°   | 360.5  | 298.5  | 201.7  | 118.8  | 72.1   | 50.1   | 37.8   | 30.2   | 25.9   | 23.6   | 23.4   |
| 102.5° | 363.0  | 282.0  | 186.5  | 112.7  | 73.2   | 53.4   | 42.1   | 35.3   | 31.1   | 29.2   | 28.6   |
| 105°   | 343.8  | 253.3  | 168.0  | 108.4  | 76.0   | 58.9   | 49.1   | 43.2   | 39.4   | 37.5   | 36.6   |
| 107.5° | 310.1  | 228.0  | 156.1  | 108.1  | 81.1   | 66.2   | 57.1   | 51.5   | 47.8   | 45.9   | 45.0   |
| 110°   | 289.0  | 213.7  | 151.6  | 109.3  | 85.4   | 71.2   | 62.4   | 57.1   | 53.6   | 52.0   | 51.0   |



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**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 270.5 | 204.0 | 149.0 | 111.9 | 89.7  | 76.5  | 67.9  | 62.6  | 59.1  | 57.5  | 56.6  |
| 115°   | 248.3 | 193.8 | 148.1 | 115.9 | 96.8  | 84.8  | 76.2  | 70.9  | 67.8  | 65.9  | 64.6  |
| 117.5° | 234.9 | 187.7 | 148.6 | 121.4 | 104.2 | 92.4  | 84.5  | 78.6  | 75.6  | 74.0  | 72.6  |
| 120°   | 227.8 | 184.9 | 149.7 | 125.4 | 109.1 | 97.6  | 89.8  | 83.8  | 80.7  | 79.1  | 78.1  |
| 122.5° | 222.0 | 183.2 | 151.4 | 129.2 | 114.0 | 103.0 | 94.6  | 88.9  | 85.4  | 83.9  | 82.9  |
| 125°   | 214.6 | 180.8 | 154.1 | 135.2 | 121.4 | 110.3 | 101.7 | 95.8  | 92.3  | 90.4  | 89.8  |
| 127.5° | 208.0 | 179.8 | 157.1 | 140.1 | 127.6 | 117.0 | 108.4 | 101.8 | 98.4  | 95.9  | 95.1  |
| 130°   | 204.5 | 179.0 | 159.2 | 143.4 | 131.4 | 121.0 | 112.5 | 105.8 | 102.1 | 99.2  | 98.4  |
| 132.5° | 201.3 | 178.7 | 160.7 | 146.4 | 134.6 | 124.6 | 116.3 | 109.7 | 105.1 | 102.0 | 100.9 |
| 135°   | 197.0 | 178.3 | 162.9 | 150.3 | 139.6 | 129.8 | 121.4 | 114.7 | 109.9 | 106.5 | 105.2 |
| 137.5° | 193.2 | 177.6 | 164.4 | 153.2 | 143.0 | 133.6 | 125.7 | 119.1 | 114.1 | 110.8 | 109.4 |
| 140°   | 190.9 | 177.5 | 165.4 | 154.7 | 145.3 | 136.2 | 128.2 | 122.0 | 116.9 | 113.8 | 112.2 |
| 142.5° | 189.0 | 176.9 | 166.2 | 156.2 | 147.0 | 138.1 | 130.8 | 124.5 | 119.9 | 116.5 | 115.2 |
| 145°   | 186.2 | 176.1 | 166.7 | 157.8 | 149.4 | 141.2 | 133.9 | 128.6 | 123.9 | 121.0 | 120.0 |
| 147.5° | 183.6 | 175.0 | 166.7 | 158.9 | 151.2 | 143.7 | 137.6 | 132.4 | 128.3 | 125.6 | 125.0 |
| 150°   | 181.8 | 174.0 | 166.7 | 159.2 | 152.5 | 145.3 | 139.6 | 135.2 | 131.1 | 128.6 | 128.2 |
| 152.5° | 179.8 | 172.7 | 165.9 | 159.6 | 153.3 | 147.0 | 141.6 | 137.7 | 134.1 | 131.6 | 131.5 |
| 155°   | 176.7 | 170.5 | 165.1 | 159.8 | 154.7 | 149.4 | 145.0 | 141.5 | 138.3 | 136.4 | 136.4 |
| 157.5° | 173.3 | 168.5 | 164.1 | 160.1 | 155.5 | 151.2 | 147.8 | 144.9 | 142.1 | 140.6 | 140.4 |
| 160°   | 171.1 | 167.0 | 163.5 | 160.1 | 156.3 | 152.5 | 149.4 | 147.1 | 144.6 | 143.4 | 143.4 |
| 162.5° | 168.8 | 165.5 | 162.6 | 159.8 | 156.6 | 153.3 | 150.6 | 148.6 | 146.7 | 145.6 | 145.6 |
| 165°   | 165.8 | 163.3 | 161.0 | 159.2 | 156.9 | 154.4 | 152.2 | 151.0 | 149.4 | 148.7 | 149.0 |
| 167.5° | 162.8 | 161.0 | 159.5 | 158.6 | 156.9 | 155.1 | 153.6 | 152.8 | 151.6 | 151.2 | 151.6 |
| 170°   | 161.0 | 159.4 | 158.5 | 157.8 | 156.6 | 155.1 | 154.4 | 153.7 | 152.8 | 152.5 | 153.1 |
| 172.5° | 159.3 | 158.2 | 157.7 | 157.7 | 156.6 | 155.2 | 154.9 | 154.5 | 153.8 | 153.7 | 154.2 |
| 175°   | 157.2 | 156.6 | 156.6 | 156.9 | 156.3 | 155.7 | 155.3 | 155.3 | 154.7 | 155.1 | 155.3 |
| 177.5° | 156.0 | 155.7 | 156.0 | 156.4 | 156.0 | 155.7 | 155.7 | 155.7 | 155.4 | 155.7 | 156.0 |
| 180°   | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 |



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**CANDELA DISTRIBUTION (continued):**

|        | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 |
| 2.5°   | 1455.5 | 1458.2 | 1467.8 | 1474.5 | 1482.4 | 1486.8 | 1491.3 | 1494.7 | 1499.1 | 1500.3 | 1516.5 |
| 5°     | 1461.9 | 1476.0 | 1500.5 | 1518.7 | 1541.1 | 1565.6 | 1582.4 | 1590.2 | 1610.4 | 1627.3 | 1660.9 |
| 7.5°   | 1460.1 | 1490.0 | 1527.0 | 1565.3 | 1606.5 | 1644.7 | 1677.8 | 1717.0 | 1744.9 | 1786.8 | 1828.2 |
| 10°    | 1458.4 | 1498.3 | 1546.0 | 1595.1 | 1652.5 | 1705.8 | 1753.5 | 1806.7 | 1850.8 | 1909.0 | 1958.7 |
| 12.5°  | 1453.3 | 1501.7 | 1567.9 | 1625.9 | 1695.7 | 1769.2 | 1839.8 | 1908.2 | 1947.3 | 2044.2 | 2090.0 |
| 15°    | 1440.9 | 1498.3 | 1581.0 | 1669.4 | 1765.3 | 1852.3 | 1942.0 | 2013.5 | 2129.0 | 2213.9 | 2267.8 |
| 17.5°  | 1417.0 | 1497.5 | 1595.6 | 1702.1 | 1818.9 | 1933.4 | 2035.1 | 2143.5 | 2266.2 | 2368.7 | 2478.1 |
| 20°    | 1405.9 | 1494.2 | 1603.5 | 1721.2 | 1842.5 | 1972.1 | 2087.8 | 2218.0 | 2352.0 | 2452.8 | 2593.0 |
| 22.5°  | 1385.1 | 1485.1 | 1602.9 | 1734.1 | 1863.8 | 1997.9 | 2133.2 | 2264.6 | 2419.2 | 2558.2 | 2691.7 |
| 25°    | 1351.2 | 1463.3 | 1585.3 | 1731.7 | 1883.8 | 2018.4 | 2180.2 | 2354.7 | 2516.0 | 2694.7 | 2827.8 |
| 27.5°  | 1315.5 | 1435.3 | 1557.5 | 1693.7 | 1857.3 | 2017.0 | 2220.6 | 2417.8 | 2614.9 | 2769.2 | 2867.7 |
| 30°    | 1288.1 | 1404.4 | 1530.6 | 1667.9 | 1829.8 | 2019.7 | 2247.5 | 2462.6 | 2654.7 | 2787.1 | 2842.5 |
| 32.5°  | 1258.4 | 1376.4 | 1488.0 | 1632.1 | 1804.6 | 2018.0 | 2264.3 | 2489.0 | 2656.9 | 2745.1 | 2734.3 |
| 35°    | 1211.7 | 1310.5 | 1419.2 | 1557.9 | 1761.1 | 2005.7 | 2274.1 | 2491.4 | 2594.4 | 2575.5 | 2432.5 |
| 37.5°  | 1144.4 | 1227.5 | 1334.5 | 1486.4 | 1710.7 | 1979.8 | 2254.5 | 2417.5 | 2410.8 | 2256.7 | 2049.6 |
| 40°    | 1102.4 | 1173.1 | 1276.2 | 1436.0 | 1671.4 | 1963.0 | 2223.7 | 2329.5 | 2239.8 | 2024.6 | 1776.6 |
| 42.5°  | 1047.4 | 1112.6 | 1215.7 | 1379.9 | 1628.3 | 1928.8 | 2164.8 | 2195.5 | 2020.0 | 1772.4 | 1545.0 |
| 45°    | 962.2  | 1019.7 | 1126.2 | 1295.8 | 1563.5 | 1854.3 | 2021.2 | 1946.2 | 1709.9 | 1454.2 | 1281.1 |
| 47.5°  | 870.7  | 930.4  | 1032.9 | 1207.1 | 1469.9 | 1742.4 | 1821.9 | 1662.3 | 1419.9 | 1212.4 | 1053.5 |
| 50°    | 813.0  | 870.4  | 970.6  | 1146.6 | 1406.5 | 1650.4 | 1683.4 | 1477.3 | 1254.5 | 1072.3 | 941.9  |
| 52.5°  | 754.7  | 808.8  | 907.3  | 1083.7 | 1332.6 | 1543.9 | 1523.6 | 1313.6 | 1108.7 | 953.4  | 851.0  |
| 55°    | 667.9  | 719.1  | 813.0  | 978.3  | 1204.7 | 1372.2 | 1298.6 | 1098.1 | 928.5  | 808.1  | 730.2  |
| 57.5°  | 590.2  | 639.3  | 720.3  | 869.7  | 1066.5 | 1181.6 | 1088.0 | 919.1  | 784.2  | 691.4  | 633.4  |
| 60°    | 537.5  | 580.9  | 658.1  | 796.8  | 967.9  | 1055.4 | 963.0  | 813.7  | 700.1  | 625.8  | 574.0  |
| 62.5°  | 487.6  | 525.5  | 596.9  | 722.8  | 871.4  | 944.9  | 851.3  | 725.1  | 628.4  | 562.5  | 518.4  |
| 65°    | 412.1  | 446.4  | 509.5  | 607.6  | 729.5  | 778.6  | 698.0  | 595.7  | 520.7  | 471.6  | 442.2  |
| 67.5°  | 343.1  | 372.3  | 426.8  | 504.0  | 593.7  | 629.5  | 568.1  | 488.9  | 432.4  | 393.0  | 369.6  |
| 70°    | 297.1  | 322.4  | 365.2  | 431.7  | 513.0  | 540.3  | 482.9  | 417.7  | 376.3  | 344.8  | 323.1  |
| 72.5°  | 258.4  | 277.0  | 315.8  | 367.2  | 435.1  | 456.8  | 416.7  | 359.4  | 320.8  | 297.1  | 279.9  |
| 75°    | 196.9  | 212.3  | 237.6  | 278.9  | 325.9  | 338.5  | 308.4  | 272.6  | 246.6  | 229.9  | 216.5  |
| 77.5°  | 142.0  | 153.4  | 171.6  | 197.1  | 229.6  | 240.9  | 221.9  | 198.0  | 179.1  | 167.7  | 160.3  |
| 80°    | 107.2  | 116.4  | 131.8  | 152.8  | 172.4  | 178.7  | 167.5  | 149.3  | 136.0  | 129.7  | 123.3  |
| 82.5°  | 79.2   | 84.4   | 93.6   | 107.9  | 121.4  | 128.9  | 119.3  | 108.3  | 101.2  | 95.4   | 93.1   |
| 85°    | 39.9   | 42.7   | 47.0   | 52.5   | 61.0   | 63.8   | 60.3   | 57.4   | 53.2   | 49.8   | 49.8   |
| 87.5°  | 14.8   | 15.0   | 16.9   | 18.1   | 20.4   | 22.3   | 21.9   | 21.0   | 20.6   | 20.0   | 19.5   |
| 90°    | 1.2    | 1.9    | 2.9    | 3.5    | 4.1    | 5.1    | 6.0    | 7.0    | 7.8    | 7.6    | 7.8    |
| 92.5°  | 5.8    | 8.5    | 10.9   | 13.6   | 18.2   | 26.5   | 40.0   | 53.3   | 48.4   | 36.6   | 26.6   |
| 95°    | 11.7   | 15.2   | 20.5   | 28.7   | 40.9   | 67.8   | 114.7  | 166.4  | 186.9  | 151.6  | 113.4  |
| 97.5°  | 18.5   | 21.3   | 25.9   | 34.1   | 47.3   | 72.9   | 125.8  | 212.0  | 289.6  | 309.8  | 282.8  |
| 100°   | 23.6   | 25.9   | 30.2   | 37.8   | 50.1   | 72.1   | 118.8  | 201.7  | 298.5  | 360.5  | 371.5  |
| 102.5° | 29.2   | 31.1   | 35.3   | 42.1   | 53.4   | 73.2   | 112.7  | 186.5  | 282.0  | 363.0  | 401.0  |
| 105°   | 37.5   | 39.4   | 43.2   | 49.1   | 58.9   | 76.0   | 108.4  | 168.0  | 253.3  | 343.8  | 409.7  |
| 107.5° | 45.9   | 47.8   | 51.5   | 57.1   | 66.2   | 81.1   | 108.1  | 156.1  | 228.0  | 310.1  | 384.8  |
| 110°   | 52.0   | 53.6   | 57.1   | 62.4   | 71.2   | 85.4   | 109.3  | 151.6  | 213.7  | 289.0  | 361.1  |





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**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 57.5  | 59.1  | 62.6  | 67.9  | 76.5  | 89.7  | 111.9 | 149.0 | 204.0 | 270.5 | 337.7 |
| 115°   | 65.9  | 67.8  | 70.9  | 76.2  | 84.8  | 96.8  | 115.9 | 148.1 | 193.8 | 248.3 | 306.6 |
| 117.5° | 74.0  | 75.6  | 78.6  | 84.5  | 92.4  | 104.2 | 121.4 | 148.6 | 187.7 | 234.9 | 284.1 |
| 120°   | 79.1  | 80.7  | 83.8  | 89.8  | 97.6  | 109.1 | 125.4 | 149.7 | 184.9 | 227.8 | 272.2 |
| 122.5° | 83.9  | 85.4  | 88.9  | 94.6  | 103.0 | 114.0 | 129.2 | 151.4 | 183.2 | 222.0 | 263.0 |
| 125°   | 90.4  | 92.3  | 95.8  | 101.7 | 110.3 | 121.4 | 135.2 | 154.1 | 180.8 | 214.6 | 250.5 |
| 127.5° | 95.9  | 98.4  | 101.8 | 108.4 | 117.0 | 127.6 | 140.1 | 157.1 | 179.8 | 208.0 | 239.7 |
| 130°   | 99.2  | 102.1 | 105.8 | 112.5 | 121.0 | 131.4 | 143.4 | 159.2 | 179.0 | 204.5 | 232.8 |
| 132.5° | 102.0 | 105.1 | 109.7 | 116.3 | 124.6 | 134.6 | 146.4 | 160.7 | 178.7 | 201.3 | 226.6 |
| 135°   | 106.5 | 109.9 | 114.7 | 121.4 | 129.8 | 139.6 | 150.3 | 162.9 | 178.3 | 197.0 | 218.0 |
| 137.5° | 110.8 | 114.1 | 119.1 | 125.7 | 133.6 | 143.0 | 153.2 | 164.4 | 177.6 | 193.2 | 210.3 |
| 140°   | 113.8 | 116.9 | 122.0 | 128.2 | 136.2 | 145.3 | 154.7 | 165.4 | 177.5 | 190.9 | 205.8 |
| 142.5° | 116.5 | 119.9 | 124.5 | 130.8 | 138.1 | 147.0 | 156.2 | 166.2 | 176.9 | 189.0 | 201.5 |
| 145°   | 121.0 | 123.9 | 128.6 | 133.9 | 141.2 | 149.4 | 157.8 | 166.7 | 176.1 | 186.2 | 196.4 |
| 147.5° | 125.6 | 128.3 | 132.4 | 137.6 | 143.7 | 151.2 | 158.9 | 166.7 | 175.0 | 183.6 | 192.1 |
| 150°   | 128.6 | 131.1 | 135.2 | 139.6 | 145.3 | 152.5 | 159.2 | 166.7 | 174.0 | 181.8 | 189.0 |
| 152.5° | 131.6 | 134.1 | 137.7 | 141.6 | 147.0 | 153.3 | 159.6 | 165.9 | 172.7 | 179.8 | 186.3 |
| 155°   | 136.4 | 138.3 | 141.5 | 145.0 | 149.4 | 154.7 | 159.8 | 165.1 | 170.5 | 176.7 | 182.2 |
| 157.5° | 140.6 | 142.1 | 144.9 | 147.8 | 151.2 | 155.5 | 160.1 | 164.1 | 168.5 | 173.3 | 177.7 |
| 160°   | 143.4 | 144.6 | 147.1 | 149.4 | 152.5 | 156.3 | 160.1 | 163.5 | 167.0 | 171.1 | 175.2 |
| 162.5° | 145.6 | 146.7 | 148.6 | 150.6 | 153.3 | 156.6 | 159.8 | 162.6 | 165.5 | 168.8 | 172.2 |
| 165°   | 148.7 | 149.4 | 151.0 | 152.2 | 154.4 | 156.9 | 159.2 | 161.0 | 163.3 | 165.8 | 168.3 |
| 167.5° | 151.2 | 151.6 | 152.8 | 153.6 | 155.1 | 156.9 | 158.6 | 159.5 | 161.0 | 162.8 | 164.9 |
| 170°   | 152.5 | 152.8 | 153.7 | 154.4 | 155.1 | 156.6 | 157.8 | 158.5 | 159.4 | 161.0 | 162.6 |
| 172.5° | 153.7 | 153.8 | 154.5 | 154.9 | 155.2 | 156.6 | 157.7 | 157.7 | 158.2 | 159.3 | 160.6 |
| 175°   | 155.1 | 154.7 | 155.3 | 155.3 | 155.7 | 156.3 | 156.9 | 156.6 | 156.6 | 157.2 | 157.8 |
| 177.5° | 155.7 | 155.4 | 155.7 | 155.7 | 155.7 | 156.0 | 156.4 | 156.0 | 155.7 | 156.0 | 156.1 |
| 180°   | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 |



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**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 | 1446.4 |
| 2.5°   | 1522.2 | 1522.7 | 1528.9 | 1533.4 | 1531.2 | 1533.9 | 1535.1 |
| 5°     | 1663.0 | 1688.3 | 1701.6 | 1711.4 | 1712.1 | 1712.8 | 1718.4 |
| 7.5°   | 1862.8 | 1889.8 | 1909.6 | 1939.6 | 1948.6 | 1958.7 | 1955.8 |
| 10°    | 2008.6 | 2048.4 | 2082.9 | 2101.0 | 2120.7 | 2149.4 | 2126.3 |
| 12.5°  | 2144.7 | 2215.5 | 2267.8 | 2296.2 | 2314.6 | 2320.4 | 2309.1 |
| 15°    | 2369.5 | 2461.9 | 2511.7 | 2510.3 | 2573.4 | 2600.8 | 2558.0 |
| 17.5°  | 2575.5 | 2660.9 | 2729.3 | 2764.3 | 2816.8 | 2828.5 | 2823.2 |
| 20°    | 2701.6 | 2794.9 | 2848.1 | 2908.4 | 2935.7 | 2960.2 | 2964.4 |
| 22.5°  | 2810.4 | 2894.0 | 2951.3 | 3001.4 | 3024.3 | 3035.9 | 3043.0 |
| 25°    | 2922.4 | 2988.3 | 3022.6 | 3040.1 | 3046.4 | 3045.0 | 3035.9 |
| 27.5°  | 2914.6 | 2919.7 | 2881.9 | 2844.7 | 2811.6 | 2774.1 | 2761.2 |
| 30°    | 2839.0 | 2780.1 | 2675.0 | 2615.5 | 2527.8 | 2458.4 | 2486.4 |
| 32.5°  | 2640.0 | 2522.8 | 2404.8 | 2274.6 | 2166.8 | 2136.1 | 2105.2 |
| 35°    | 2253.1 | 2047.1 | 1926.5 | 1786.4 | 1730.3 | 1674.3 | 1635.7 |
| 37.5°  | 1822.8 | 1663.5 | 1520.5 | 1428.8 | 1372.6 | 1337.1 | 1318.1 |
| 40°    | 1576.1 | 1432.4 | 1314.7 | 1240.5 | 1197.7 | 1157.7 | 1152.2 |
| 42.5°  | 1379.4 | 1245.8 | 1157.2 | 1098.1 | 1056.9 | 1040.0 | 1027.7 |
| 45°    | 1129.7 | 1036.5 | 977.0  | 934.9  | 907.6  | 897.1  | 883.1  |
| 47.5°  | 956.2  | 890.3  | 845.6  | 817.0  | 796.4  | 788.5  | 787.5  |
| 50°    | 859.2  | 804.5  | 771.6  | 749.1  | 733.1  | 730.2  | 719.1  |
| 52.5°  | 786.3  | 739.0  | 713.3  | 693.7  | 682.1  | 674.2  | 670.8  |
| 55°    | 682.6  | 651.0  | 627.9  | 616.7  | 607.6  | 599.9  | 599.9  |
| 57.5°  | 597.3  | 570.9  | 555.6  | 546.1  | 543.2  | 537.8  | 534.3  |
| 60°    | 544.6  | 522.1  | 510.2  | 501.8  | 496.1  | 496.9  | 490.5  |
| 62.5°  | 492.9  | 478.4  | 467.0  | 458.6  | 451.9  | 452.0  | 452.5  |
| 65°    | 419.8  | 408.6  | 400.2  | 397.3  | 393.2  | 388.3  | 389.7  |
| 67.5°  | 355.7  | 345.2  | 338.7  | 333.9  | 332.4  | 329.8  | 333.9  |
| 70°    | 309.8  | 302.0  | 297.1  | 292.9  | 291.5  | 292.2  | 295.8  |
| 72.5°  | 267.7  | 262.3  | 259.0  | 257.1  | 254.0  | 254.1  | 256.5  |
| 75°    | 210.3  | 206.1  | 203.2  | 201.2  | 200.5  | 200.5  | 200.5  |
| 77.5°  | 154.4  | 153.5  | 152.2  | 149.1  | 149.3  | 150.1  | 150.3  |
| 80°    | 122.0  | 119.8  | 119.1  | 117.7  | 115.7  | 114.2  | 117.7  |
| 82.5°  | 91.1   | 89.0   | 88.3   | 88.0   | 84.8   | 84.5   | 87.5   |
| 85°    | 49.0   | 47.0   | 47.6   | 47.0   | 47.0   | 46.3   | 46.3   |
| 87.5°  | 19.0   | 18.5   | 18.1   | 18.5   | 18.1   | 17.6   | 18.6   |
| 90°    | 8.2    | 8.5    | 9.1    | 8.8    | 9.1    | 9.5    | 9.1    |
| 92.5°  | 21.0   | 18.5   | 16.9   | 16.4   | 15.4   | 15.8   | 15.2   |
| 95°    | 76.9   | 60.2   | 48.9   | 42.9   | 40.0   | 37.8   | 36.6   |
| 97.5°  | 226.5  | 185.8  | 148.2  | 124.9  | 110.8  | 102.2  | 99.5   |
| 100°   | 346.0  | 309.2  | 264.4  | 232.6  | 209.6  | 197.2  | 197.6  |
| 102.5° | 400.2  | 378.7  | 350.4  | 325.6  | 307.4  | 297.1  | 289.8  |
| 105°   | 441.1  | 447.1  | 439.0  | 424.5  | 412.5  | 402.4  | 400.8  |
| 107.5° | 436.0  | 463.6  | 474.8  | 475.1  | 471.0  | 467.6  | 464.8  |
| 110°   | 419.1  | 458.8  | 480.9  | 489.7  | 492.2  | 491.6  | 491.0  |



TEST NUMBER: P332047-940

CATALOG NUMBER: S123DIP-S1165D365U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 335°  | 340°  | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 396.9 | 441.4 | 469.8 | 485.9 | 493.7 | 496.1 | 496.2 |
| 115°   | 361.4 | 407.8 | 442.1 | 465.7 | 479.6 | 485.9 | 487.5 |
| 117.5° | 331.4 | 373.0 | 407.9 | 432.6 | 448.4 | 457.4 | 459.6 |
| 120°   | 314.8 | 352.6 | 384.4 | 409.3 | 427.0 | 434.5 | 436.4 |
| 122.5° | 301.4 | 336.4 | 366.0 | 388.2 | 404.0 | 412.3 | 414.7 |
| 125°   | 284.9 | 315.1 | 340.4 | 360.5 | 374.3 | 382.3 | 384.4 |
| 127.5° | 270.3 | 297.6 | 320.6 | 338.5 | 350.4 | 357.5 | 359.4 |
| 130°   | 261.3 | 286.8 | 308.2 | 324.9 | 336.3 | 342.9 | 345.4 |
| 132.5° | 252.6 | 276.4 | 296.9 | 312.5 | 323.9 | 329.8 | 331.5 |
| 135°   | 240.4 | 260.9 | 278.8 | 294.4 | 303.8 | 309.4 | 311.7 |
| 137.5° | 228.6 | 246.3 | 261.9 | 274.8 | 284.5 | 289.2 | 290.7 |
| 140°   | 221.9 | 236.9 | 250.5 | 262.5 | 271.3 | 276.3 | 276.1 |
| 142.5° | 215.3 | 228.4 | 240.1 | 250.4 | 258.2 | 262.7 | 262.4 |
| 145°   | 206.7 | 216.8 | 226.0 | 233.8 | 240.4 | 243.0 | 243.6 |
| 147.5° | 200.4 | 208.5 | 215.0 | 221.0 | 225.4 | 227.8 | 228.1 |
| 150°   | 196.4 | 203.0 | 208.9 | 213.7 | 217.1 | 219.0 | 219.0 |
| 152.5° | 192.5 | 198.4 | 203.4 | 207.1 | 210.3 | 211.4 | 211.4 |
| 155°   | 187.2 | 191.9 | 195.6 | 198.5 | 201.1 | 201.7 | 202.0 |
| 157.5° | 181.9 | 185.6 | 188.6 | 191.0 | 192.9 | 193.4 | 193.3 |
| 160°   | 178.7 | 181.8 | 184.0 | 186.2 | 188.2 | 188.2 | 187.8 |
| 162.5° | 175.1 | 178.1 | 180.0 | 181.5 | 183.1 | 183.1 | 182.8 |
| 165°   | 170.1 | 172.4 | 174.0 | 175.2 | 176.5 | 176.1 | 176.1 |
| 167.5° | 166.3 | 167.6 | 168.7 | 169.2 | 170.1 | 169.9 | 169.9 |
| 170°   | 163.5 | 164.8 | 165.4 | 165.8 | 166.4 | 166.0 | 166.0 |
| 172.5° | 161.3 | 162.3 | 162.6 | 162.7 | 163.4 | 162.8 | 162.6 |
| 175°   | 158.2 | 158.8 | 158.8 | 158.8 | 159.2 | 158.8 | 158.5 |
| 177.5° | 156.4 | 156.7 | 156.7 | 156.4 | 156.7 | 156.1 | 156.1 |
| 180°   | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 |

(END OF REPORT)