

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P997994

Luminaire Tested: SA2XXDIP-B1005D725UB35-4F0-XX-W2A-A

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P997994  
REPORT IS A COMBINATION OF REPORTS P983731 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: SA2XXDIP-B1005D725UB35-4F0-XX-W2A-A  
Description: Define 2 Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}  
Light Source: -  
Ballast/Driver: -

**Summary**

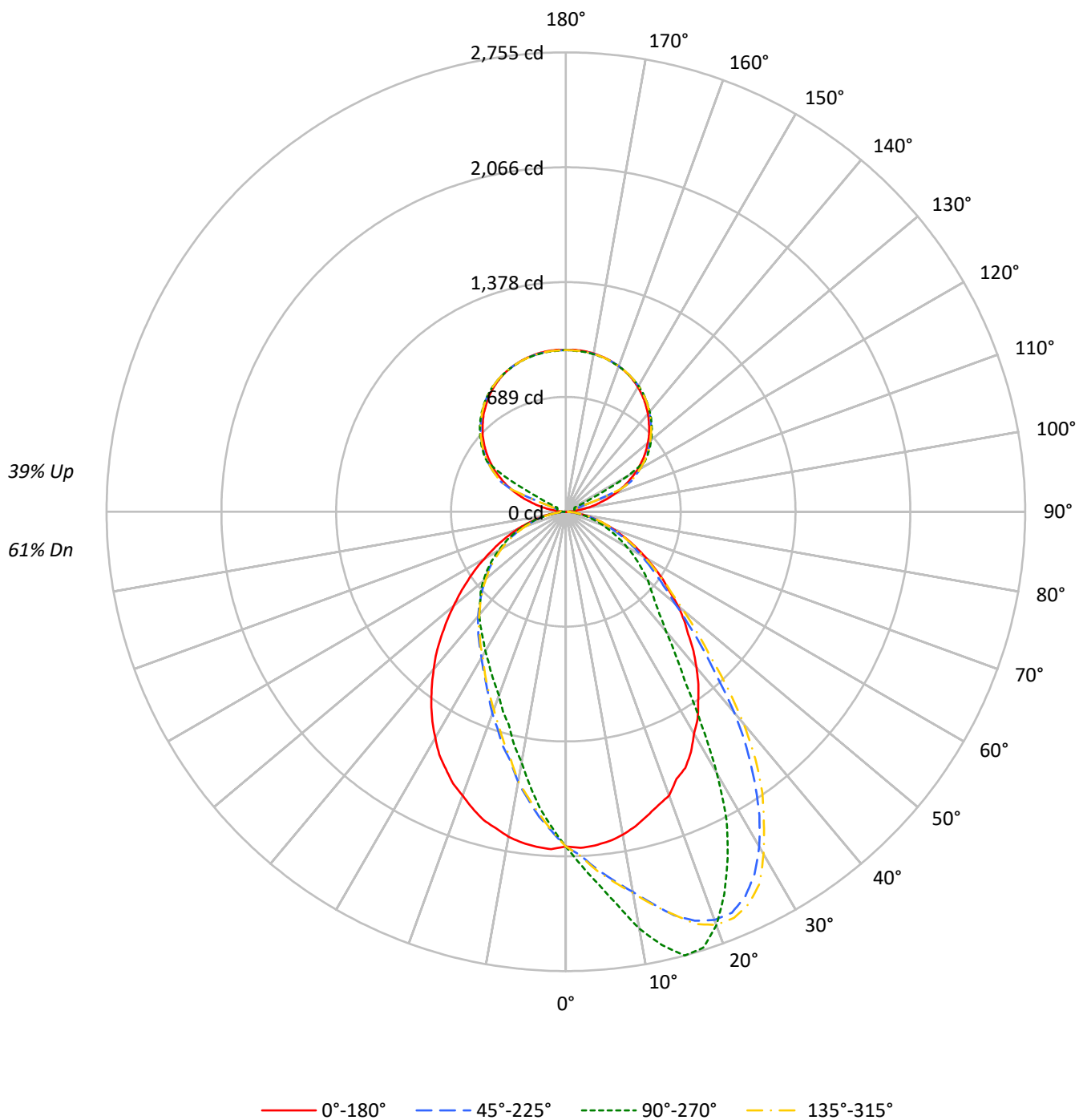
Lumens per Lamp: N/A  
Luminaire Lumens: 7272.0 lumens  
Efficiency: N/A  
Efficacy: 88.3 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 82.4  
Input Voltage (V):  
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: 24 FT

TEST NUMBER: P997994

CATALOG NUMBER: SA2XXDIP-B1005D725UB35-4F0-XX-W2A-A

### Luminous Intensity Polar Plot



TEST NUMBER: P997994

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

|     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |
| RC  | 80  |     |     |     | 70  |     |     |     | 50 |    |    |    | 30 |    |    |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |
| 0   | 110 | 110 | 110 | 110 | 103 | 103 | 103 | 103 | 89 | 89 | 89 | 77 | 77 | 77 | 66 | 66 | 66 |
| 1   | 101 | 97  | 93  | 90  | 94  | 91  | 87  | 84  | 79 | 77 | 75 | 69 | 67 | 66 | 59 | 58 | 57 |
| 2   | 92  | 85  | 79  | 74  | 86  | 80  | 75  | 70  | 70 | 66 | 63 | 61 | 58 | 56 | 53 | 51 | 49 |
| 3   | 85  | 75  | 68  | 63  | 79  | 71  | 65  | 59  | 62 | 58 | 54 | 55 | 51 | 48 | 48 | 45 | 42 |
| 4   | 78  | 67  | 59  | 53  | 73  | 63  | 56  | 51  | 56 | 51 | 46 | 49 | 45 | 42 | 43 | 40 | 37 |
| 5   | 72  | 60  | 52  | 46  | 67  | 57  | 50  | 44  | 50 | 45 | 40 | 44 | 40 | 36 | 39 | 35 | 33 |
| 6   | 66  | 54  | 46  | 41  | 62  | 51  | 44  | 39  | 46 | 40 | 36 | 40 | 36 | 32 | 36 | 32 | 29 |
| 7   | 61  | 49  | 41  | 36  | 57  | 47  | 40  | 34  | 42 | 36 | 32 | 37 | 32 | 29 | 33 | 29 | 26 |
| 8   | 57  | 45  | 37  | 32  | 54  | 43  | 36  | 31  | 38 | 32 | 28 | 34 | 29 | 26 | 30 | 26 | 24 |
| 9   | 53  | 41  | 34  | 29  | 50  | 39  | 32  | 28  | 35 | 30 | 26 | 31 | 27 | 24 | 28 | 24 | 21 |
| 10  | 50  | 38  | 31  | 26  | 47  | 36  | 30  | 25  | 33 | 27 | 23 | 29 | 25 | 21 | 26 | 22 | 20 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 31769 | 31769 | 31769 | 31769 |
| 5°  | 31845 | 33874 | 31967 | 26949 |
| 10° | 31476 | 36978 | 31673 | 22219 |
| 15° | 30711 | 39004 | 31139 | 18715 |
| 20° | 30233 | 36622 | 30233 | 16267 |
| 25° | 29270 | 31461 | 29403 | 14546 |
| 30° | 27685 | 24732 | 28213 | 13176 |
| 35° | 26279 | 17101 | 26719 | 12055 |
| 40° | 24665 | 12912 | 24947 | 11162 |
| 45° | 22674 | 10611 | 23046 | 10198 |
| 50° | 20953 | 9313  | 20991 | 9335  |
| 55° | 18991 | 7935  | 19113 | 8399  |
| 60° | 16899 | 6629  | 17133 | 7330  |
| 65° | 15027 | 5391  | 15300 | 6259  |
| 70° | 13161 | 4230  | 13494 | 5049  |
| 75° | 11048 | 3070  | 11479 | 3662  |
| 80° | 8622  | 1947  | 9237  | 2174  |
| 85° | 5664  | 981   | 6102  | 727   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 32840 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 191.2  | 2.6       |
| 10°-20°   | 556.4  | 7.7       |
| 20°-30°   | 807.5  | 11.1      |
| 30°-40°   | 851.2  | 11.7      |
| 40°-50°   | 753.3  | 10.4      |
| 50°-60°   | 601.5  | 8.3       |
| 60°-70°   | 408.5  | 5.6       |
| 70°-80°   | 209.0  | 2.9       |
| 80°-90°   | 51.1   | 0.7       |
| 90°-100°  | 32.0   | 0.4       |
| 100°-110° | 119.2  | 1.6       |
| 110°-120° | 316.1  | 4.3       |
| 120°-130° | 524.2  | 7.2       |
| 130°-140° | 556.8  | 7.7       |
| 140°-150° | 517.5  | 7.1       |
| 150°-160° | 416.1  | 5.7       |
| 160°-170° | 268.1  | 3.7       |
| 170°-180° | 92.3   | 1.3       |
| 0°-30°    | 1555.0 | 21.4      |
| 0°-40°    | 2406.3 | 33.1      |
| 0°-60°    | 3761.0 | 51.7      |
| 0°-90°    | 4429.7 | 60.9      |
| 90°-120°  | 467.2  | 6.4       |
| 90°-150°  | 2065.8 | 28.4      |
| 90°-180°  | 2842.0 | 39.1      |
| 0°-180°   | 7272.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 2007 | 2007 | 2007 | 2007 | 2007 |      |
| 5°   | 2008 | 2242 | 2016 | 1783 | 2008 | 190  |
| 15°  | 1887 | 2755 | 1913 | 1322 | 1887 | 533  |
| 25°  | 1695 | 2295 | 1703 | 1061 | 1695 | 775  |
| 35°  | 1384 | 1250 | 1407 | 881  | 1384 | 866  |
| 45°  | 1038 | 753  | 1055 | 724  | 1038 | 805  |
| 55°  | 713  | 529  | 717  | 560  | 713  | 636  |
| 65°  | 423  | 326  | 430  | 378  | 423  | 420  |
| 75°  | 198  | 160  | 205  | 191  | 198  | 212  |
| 85°  | 40   | 42   | 43   | 31   | 40   | 47   |
| 90°  | 1    | 19   | 1    | 19   | 1    | 5    |
| 95°  | 46   | 30   | 46   | 30   | 46   | 54   |
| 105° | 213  | 53   | 213  | 53   | 213  | 228  |
| 115° | 403  | 58   | 403  | 58   | 403  | 397  |
| 125° | 570  | 600  | 570  | 600  | 570  | 509  |
| 135° | 706  | 729  | 706  | 729  | 706  | 545  |
| 145° | 819  | 831  | 819  | 831  | 819  | 512  |
| 155° | 902  | 902  | 902  | 902  | 902  | 415  |
| 165° | 950  | 948  | 950  | 948  | 950  | 268  |
| 175° | 972  | 966  | 972  | 966  | 972  | 92   |
| 180° | 970  | 970  | 970  | 970  | 970  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 |
| 2.5°   | 2017.8 | 2022.4 | 2030.1 | 2031.7 | 2047.1 | 2059.4 | 2073.3 | 2073.3 | 2077.9 | 2076.4 | 2064.1 |
| 5°     | 2008.5 | 2022.4 | 2042.5 | 2059.4 | 2087.2 | 2099.5 | 2118.0 | 2131.9 | 2144.3 | 2153.5 | 2152.0 |
| 7.5°   | 1993.1 | 2017.8 | 2047.1 | 2079.5 | 2116.5 | 2138.1 | 2164.3 | 2189.0 | 2206.0 | 2221.4 | 2232.2 |
| 10°    | 1966.9 | 2008.5 | 2048.6 | 2091.8 | 2139.6 | 2169.0 | 2199.8 | 2232.2 | 2258.4 | 2287.7 | 2315.5 |
| 12.5°  | 1931.4 | 1991.5 | 2040.9 | 2098.0 | 2156.6 | 2189.0 | 2238.4 | 2263.1 | 2314.0 | 2388.0 | 2408.1 |
| 15°    | 1886.6 | 1968.4 | 2014.7 | 2087.2 | 2164.3 | 2190.6 | 2258.4 | 2298.5 | 2403.4 | 2449.7 | 2505.2 |
| 17.5°  | 1845.0 | 1936.0 | 1997.7 | 2081.0 | 2156.6 | 2207.5 | 2273.9 | 2355.6 | 2443.5 | 2509.9 | 2571.6 |
| 20°    | 1811.1 | 1899.0 | 1973.0 | 2065.6 | 2161.2 | 2226.0 | 2295.4 | 2394.2 | 2489.8 | 2557.7 | 2605.5 |
| 22.5°  | 1733.9 | 1846.5 | 1932.9 | 2036.3 | 2152.0 | 2241.5 | 2307.8 | 2415.8 | 2519.1 | 2560.8 | 2602.4 |
| 25°    | 1695.4 | 1792.5 | 1892.8 | 2010.1 | 2145.8 | 2252.3 | 2309.3 | 2429.7 | 2520.7 | 2536.1 | 2545.4 |
| 27.5°  | 1624.4 | 1733.9 | 1851.2 | 1985.4 | 2144.3 | 2233.7 | 2306.2 | 2415.8 | 2488.3 | 2477.5 | 2449.7 |
| 30°    | 1536.5 | 1670.7 | 1800.3 | 1945.3 | 2122.7 | 2219.9 | 2287.7 | 2388.0 | 2425.0 | 2369.5 | 2320.1 |
| 32.5°  | 1471.7 | 1598.2 | 1741.6 | 1909.8 | 2098.0 | 2190.6 | 2256.9 | 2335.6 | 2343.3 | 2243.0 | 2159.7 |
| 35°    | 1383.7 | 1524.1 | 1686.1 | 1863.5 | 2056.3 | 2139.6 | 2201.3 | 2249.2 | 2212.1 | 2071.8 | 1973.0 |
| 37.5°  | 1305.1 | 1443.9 | 1616.7 | 1797.2 | 1999.3 | 2081.0 | 2130.4 | 2138.1 | 2047.1 | 1923.7 | 1778.7 |
| 40°    | 1218.7 | 1362.2 | 1542.6 | 1732.4 | 1936.0 | 2007.0 | 2037.8 | 2014.7 | 1883.6 | 1740.1 | 1572.0 |
| 42.5°  | 1132.3 | 1274.2 | 1468.6 | 1663.0 | 1855.8 | 1916.0 | 1928.3 | 1865.1 | 1704.6 | 1536.5 | 1342.1 |
| 45°    | 1038.2 | 1186.3 | 1380.7 | 1576.6 | 1763.2 | 1797.2 | 1798.7 | 1707.7 | 1518.0 | 1342.1 | 1161.6 |
| 47.5°  | 961.1  | 1098.4 | 1291.2 | 1487.1 | 1644.5 | 1667.6 | 1658.3 | 1553.4 | 1346.7 | 1149.3 | 991.9  |
| 50°    | 876.2  | 1007.3 | 1198.6 | 1391.5 | 1525.7 | 1531.8 | 1508.7 | 1359.1 | 1157.0 | 976.5  | 851.5  |
| 52.5°  | 785.2  | 917.9  | 1093.7 | 1278.8 | 1399.2 | 1389.9 | 1345.2 | 1184.7 | 995.0  | 845.4  | 749.7  |
| 55°    | 712.7  | 829.9  | 995.0  | 1175.5 | 1260.3 | 1234.1 | 1184.7 | 1021.2 | 871.6  | 745.1  | 661.8  |
| 57.5°  | 632.5  | 735.8  | 897.8  | 1055.2 | 1104.5 | 1079.8 | 1030.5 | 877.8  | 738.9  | 643.3  | 587.7  |
| 60°    | 556.9  | 651.0  | 792.9  | 924.0  | 962.6  | 936.4  | 879.3  | 742.0  | 641.7  | 561.5  | 519.9  |
| 62.5°  | 487.5  | 569.2  | 688.0  | 808.3  | 823.8  | 797.5  | 748.2  | 637.1  | 550.7  | 487.5  | 456.6  |
| 65°    | 422.7  | 499.8  | 595.5  | 686.5  | 700.4  | 672.6  | 621.7  | 541.5  | 469.0  | 428.9  | 399.5  |
| 67.5°  | 359.4  | 421.1  | 506.0  | 572.3  | 580.0  | 553.8  | 512.2  | 447.4  | 402.6  | 359.4  | 337.8  |
| 70°    | 303.9  | 350.2  | 416.5  | 470.5  | 473.6  | 448.9  | 427.3  | 368.7  | 334.8  | 303.9  | 286.9  |
| 72.5°  | 249.9  | 282.3  | 333.2  | 373.3  | 374.9  | 359.4  | 339.4  | 302.4  | 273.0  | 251.5  | 234.5  |
| 75°    | 197.5  | 225.2  | 256.1  | 291.6  | 290.0  | 277.7  | 262.2  | 239.1  | 214.4  | 200.5  | 192.8  |
| 77.5°  | 151.2  | 168.1  | 192.8  | 216.0  | 216.0  | 209.8  | 200.5  | 183.6  | 168.1  | 154.3  | 146.6  |
| 80°    | 108.0  | 118.8  | 138.8  | 146.6  | 149.6  | 148.1  | 140.4  | 128.0  | 121.9  | 111.1  | 108.0  |
| 82.5°  | 69.4   | 77.1   | 86.4   | 94.1   | 98.7   | 95.6   | 94.1   | 87.9   | 78.7   | 75.6   | 72.5   |
| 85°    | 40.1   | 43.2   | 47.8   | 52.4   | 54.0   | 52.4   | 55.5   | 50.9   | 46.3   | 46.3   | 44.7   |
| 87.5°  | 17.0   | 18.5   | 21.6   | 21.6   | 23.1   | 23.1   | 21.6   | 23.1   | 23.1   | 21.6   | 20.1   |
| 90°    | 0.7    | 2.4    | 4.1    | 5.8    | 7.5    | 8.4    | 9.0    | 10.3   | 11.5   | 12.8   | 14.0   |
| 92.5°  | 17.5   | 16.9   | 16.3   | 15.6   | 15.0   | 14.7   | 14.9   | 15.4   | 15.9   | 16.3   | 16.8   |
| 95°    | 45.6   | 40.4   | 35.3   | 30.1   | 25.0   | 22.4   | 23.0   | 24.1   | 25.2   | 26.3   | 27.4   |
| 97.5°  | 82.1   | 69.3   | 56.5   | 43.8   | 31.0   | 24.6   | 25.8   | 28.3   | 30.8   | 33.3   | 35.8   |
| 100°   | 124.2  | 102.8  | 81.5   | 60.1   | 38.8   | 28.1   | 29.4   | 32.1   | 34.7   | 37.4   | 40.0   |
| 102.5° | 170.5  | 170.2  | 169.9  | 169.6  | 169.3  | 169.1  | 154.9  | 126.5  | 98.2   | 69.8   | 41.4   |
| 105°   | 213.3  | 218.0  | 222.6  | 227.3  | 232.0  | 234.3  | 213.0  | 170.5  | 127.9  | 85.4   | 42.8   |
| 107.5° | 263.1  | 267.0  | 270.9  | 274.8  | 278.7  | 280.6  | 254.3  | 201.8  | 149.3  | 96.7   | 44.2   |
| 110°   | 310.8  | 314.1  | 317.3  | 320.6  | 323.9  | 325.5  | 303.0  | 257.9  | 212.9  | 167.8  | 122.8  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 355.7 | 358.5 | 361.3 | 364.1 | 366.9 | 368.3 | 367.0 | 364.3 | 361.7 | 359.0 | 356.4 |
| 115°   | 403.4 | 406.0 | 408.7 | 411.3 | 414.0 | 415.3 | 417.2 | 421.1 | 425.0 | 428.9 | 432.8 |
| 117.5° | 444.8 | 447.9 | 451.0 | 454.1 | 457.2 | 458.8 | 460.1 | 462.8 | 465.4 | 468.1 | 470.7 |
| 120°   | 491.1 | 493.4 | 495.8 | 498.1 | 500.4 | 501.6 | 503.0 | 505.8 | 508.6 | 511.4 | 514.2 |
| 122.5° | 530.4 | 532.9 | 535.4 | 537.9 | 540.4 | 541.6 | 543.2 | 546.3 | 549.4 | 552.5 | 555.6 |
| 125°   | 570.3 | 572.3 | 574.4 | 576.4 | 578.5 | 579.5 | 581.0 | 583.9 | 586.9 | 589.8 | 592.8 |
| 127.5° | 606.8 | 609.0 | 611.2 | 613.3 | 615.5 | 616.6 | 617.8 | 620.1 | 622.5 | 624.8 | 627.2 |
| 130°   | 641.2 | 643.7 | 646.2 | 648.7 | 651.2 | 652.4 | 653.3 | 655.0 | 656.7 | 658.4 | 660.1 |
| 132.5° | 676.3 | 678.3 | 680.3 | 682.4 | 684.4 | 685.4 | 686.3 | 688.0 | 689.7 | 691.4 | 693.1 |
| 135°   | 705.7 | 708.2 | 710.7 | 713.2 | 715.7 | 717.0 | 717.7 | 719.1 | 720.5 | 721.9 | 723.3 |
| 137.5° | 736.6 | 738.5 | 740.3 | 742.2 | 744.1 | 745.0 | 745.8 | 747.3 | 748.9 | 750.4 | 752.0 |
| 140°   | 766.8 | 768.0 | 769.3 | 770.5 | 771.8 | 772.4 | 773.3 | 775.0 | 776.7 | 778.4 | 780.1 |
| 142.5° | 792.0 | 793.1 | 794.2 | 795.3 | 796.4 | 796.9 | 797.9 | 800.0 | 802.0 | 804.1 | 806.1 |
| 145°   | 818.7 | 818.5 | 818.4 | 818.2 | 818.1 | 818.0 | 819.3 | 822.0 | 824.6 | 827.3 | 829.9 |
| 147.5° | 841.8 | 841.3 | 840.9 | 840.4 | 839.9 | 839.7 | 841.0 | 843.7 | 846.4 | 849.0 | 851.7 |
| 150°   | 864.3 | 863.2 | 862.1 | 861.0 | 859.9 | 859.4 | 860.6 | 863.1 | 865.6 | 868.1 | 870.6 |
| 152.5° | 883.2 | 882.0 | 880.7 | 879.5 | 878.2 | 877.6 | 878.8 | 881.1 | 883.4 | 885.8 | 888.1 |
| 155°   | 901.5 | 900.1 | 898.7 | 897.3 | 895.9 | 895.2 | 896.1 | 898.0 | 899.9 | 901.7 | 903.6 |
| 157.5° | 916.2 | 915.0 | 913.7 | 912.5 | 911.2 | 910.6 | 911.3 | 912.7 | 914.1 | 915.5 | 916.9 |
| 160°   | 928.8 | 927.9 | 926.9 | 926.0 | 925.1 | 924.6 | 925.1 | 926.0 | 926.9 | 927.9 | 928.8 |
| 162.5° | 940.1 | 939.1 | 938.2 | 937.2 | 936.3 | 935.8 | 936.2 | 937.0 | 937.8 | 938.6 | 939.4 |
| 165°   | 949.9 | 949.0 | 948.0 | 947.1 | 946.2 | 945.7 | 945.9 | 946.4 | 946.9 | 947.3 | 947.8 |
| 167.5° | 957.6 | 956.7 | 955.7 | 954.8 | 953.9 | 953.4 | 953.6 | 954.1 | 954.6 | 955.0 | 955.5 |
| 170°   | 963.9 | 963.0 | 962.0 | 961.1 | 960.2 | 959.7 | 959.9 | 960.2 | 960.5 | 960.8 | 961.1 |
| 172.5° | 968.1 | 967.2 | 966.2 | 965.3 | 964.4 | 963.9 | 964.1 | 964.4 | 964.7 | 965.0 | 965.3 |
| 175°   | 971.6 | 970.5 | 969.4 | 968.3 | 967.2 | 966.7 | 966.9 | 967.2 | 967.5 | 967.8 | 968.1 |
| 177.5° | 973.0 | 971.9 | 970.8 | 969.7 | 968.6 | 968.1 | 968.2 | 968.3 | 968.5 | 968.6 | 968.8 |
| 180°   | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 |
| 2.5°   | 2085.7 | 2087.2 | 2090.3 | 2105.7 | 2113.4 | 2115.0 | 2108.8 | 2122.7 | 2127.3 | 2122.7 | 2119.6 |
| 5°     | 2184.4 | 2193.6 | 2212.1 | 2232.2 | 2230.7 | 2232.2 | 2241.5 | 2250.7 | 2253.8 | 2241.5 | 2246.1 |
| 7.5°   | 2270.8 | 2289.3 | 2309.3 | 2340.2 | 2340.2 | 2355.6 | 2361.8 | 2369.5 | 2388.0 | 2378.8 | 2375.7 |
| 10°    | 2369.5 | 2394.2 | 2431.2 | 2480.6 | 2482.1 | 2497.5 | 2513.0 | 2537.6 | 2545.4 | 2539.2 | 2542.3 |
| 12.5°  | 2492.9 | 2540.7 | 2543.8 | 2597.8 | 2622.5 | 2625.6 | 2650.3 | 2645.6 | 2661.1 | 2661.1 | 2687.3 |
| 15°    | 2546.9 | 2620.9 | 2662.6 | 2715.0 | 2730.5 | 2712.0 | 2732.0 | 2753.6 | 2755.2 | 2755.2 | 2753.6 |
| 17.5°  | 2644.1 | 2673.4 | 2715.0 | 2742.8 | 2749.0 | 2749.0 | 2750.5 | 2759.8 | 2753.6 | 2741.3 | 2750.5 |
| 20°    | 2664.1 | 2676.5 | 2691.9 | 2688.8 | 2691.9 | 2676.5 | 2661.1 | 2645.6 | 2647.2 | 2639.5 | 2662.6 |
| 22.5°  | 2627.1 | 2624.0 | 2588.6 | 2565.4 | 2565.4 | 2534.6 | 2505.2 | 2491.4 | 2477.5 | 2482.1 | 2489.8 |
| 25°    | 2534.6 | 2486.7 | 2443.5 | 2409.6 | 2401.9 | 2352.5 | 2312.4 | 2300.1 | 2276.9 | 2295.4 | 2298.5 |
| 27.5°  | 2386.5 | 2332.5 | 2263.1 | 2233.7 | 2193.6 | 2173.6 | 2145.8 | 2108.8 | 2061.0 | 2088.7 | 2084.1 |
| 30°    | 2227.6 | 2147.4 | 2090.3 | 2019.3 | 1956.1 | 1951.4 | 1899.0 | 1837.3 | 1812.6 | 1812.6 | 1826.5 |
| 32.5°  | 2050.2 | 1943.7 | 1860.4 | 1760.2 | 1698.4 | 1672.2 | 1609.0 | 1547.3 | 1561.2 | 1514.9 | 1531.8 |
| 35°    | 1843.5 | 1703.1 | 1598.2 | 1501.0 | 1454.7 | 1423.9 | 1342.1 | 1308.2 | 1271.1 | 1249.5 | 1289.6 |
| 37.5°  | 1646.0 | 1484.0 | 1349.8 | 1243.4 | 1226.4 | 1170.9 | 1115.3 | 1093.7 | 1072.1 | 1081.4 | 1079.8 |
| 40°    | 1405.3 | 1261.9 | 1141.6 | 1058.3 | 1028.9 | 1002.7 | 965.7  | 939.5  | 925.6  | 933.3  | 934.8  |
| 42.5°  | 1187.8 | 1067.5 | 978.0  | 919.4  | 894.7  | 876.2  | 857.7  | 836.1  | 831.5  | 831.5  | 837.7  |
| 45°    | 1019.7 | 921.0  | 860.8  | 813.0  | 799.1  | 785.2  | 771.3  | 762.1  | 759.0  | 752.8  | 757.4  |
| 47.5°  | 885.5  | 806.8  | 769.8  | 734.3  | 718.9  | 715.8  | 703.4  | 698.8  | 692.6  | 691.1  | 692.6  |
| 50°    | 772.9  | 723.5  | 689.6  | 669.5  | 658.7  | 654.1  | 647.9  | 638.7  | 635.6  | 643.3  | 640.2  |
| 52.5°  | 694.2  | 647.9  | 629.4  | 609.3  | 603.2  | 597.0  | 587.7  | 589.3  | 587.7  | 584.7  | 584.7  |
| 55°    | 615.5  | 586.2  | 567.7  | 552.3  | 550.7  | 544.6  | 536.8  | 533.8  | 532.2  | 529.1  | 533.8  |
| 57.5°  | 552.3  | 529.1  | 512.2  | 498.3  | 492.1  | 492.1  | 484.4  | 478.2  | 478.2  | 476.7  | 478.2  |
| 60°    | 489.0  | 465.9  | 455.1  | 441.2  | 436.6  | 435.0  | 430.4  | 427.3  | 422.7  | 422.7  | 422.7  |
| 62.5°  | 430.4  | 411.9  | 399.5  | 387.2  | 388.7  | 381.0  | 374.9  | 371.8  | 371.8  | 373.3  | 373.3  |
| 65°    | 374.9  | 362.5  | 347.1  | 336.3  | 333.2  | 331.7  | 328.6  | 327.0  | 322.4  | 325.5  | 325.5  |
| 67.5°  | 324.0  | 307.0  | 297.7  | 293.1  | 288.5  | 286.9  | 283.8  | 280.8  | 279.2  | 277.7  | 280.8  |
| 70°    | 273.0  | 259.2  | 251.5  | 248.4  | 243.7  | 242.2  | 240.7  | 236.0  | 237.6  | 239.1  | 240.7  |
| 72.5°  | 226.8  | 214.4  | 212.9  | 203.6  | 203.6  | 203.6  | 197.5  | 200.5  | 199.0  | 195.9  | 199.0  |
| 75°    | 178.9  | 172.8  | 169.7  | 165.1  | 166.6  | 165.1  | 163.5  | 158.9  | 158.9  | 160.4  | 162.0  |
| 77.5°  | 141.9  | 135.8  | 134.2  | 129.6  | 126.5  | 129.6  | 126.5  | 125.0  | 125.0  | 126.5  | 126.5  |
| 80°    | 104.9  | 101.8  | 97.2   | 97.2   | 97.2   | 95.6   | 95.6   | 95.6   | 94.1   | 92.6   | 94.1   |
| 82.5°  | 69.4   | 69.4   | 67.9   | 66.3   | 67.9   | 64.8   | 66.3   | 66.3   | 66.3   | 66.3   | 66.3   |
| 85°    | 44.7   | 43.2   | 43.2   | 41.7   | 41.7   | 41.7   | 43.2   | 40.1   | 40.1   | 41.7   | 41.7   |
| 87.5°  | 20.1   | 20.1   | 20.1   | 21.6   | 20.1   | 20.1   | 20.1   | 21.6   | 20.1   | 20.1   | 20.1   |
| 90°    | 14.8   | 15.6   | 16.3   | 17.1   | 17.5   | 17.7   | 18.0   | 18.3   | 18.6   | 18.9   | 18.6   |
| 92.5°  | 17.1   | 17.4   | 17.7   | 18.0   | 18.2   | 18.3   | 18.4   | 18.6   | 18.7   | 18.9   | 18.7   |
| 95°    | 28.2   | 29.0   | 29.7   | 30.5   | 30.9   | 30.8   | 30.7   | 30.5   | 30.4   | 30.2   | 30.4   |
| 97.5°  | 36.3   | 36.7   | 37.2   | 37.7   | 37.9   | 38.0   | 38.1   | 38.3   | 38.4   | 38.6   | 38.4   |
| 100°   | 41.2   | 42.5   | 43.7   | 45.0   | 45.6   | 45.8   | 46.1   | 46.4   | 46.7   | 47.0   | 46.7   |
| 102.5° | 43.1   | 44.8   | 46.5   | 48.2   | 49.1   | 49.3   | 49.8   | 50.3   | 50.7   | 51.2   | 50.7   |
| 105°   | 44.5   | 46.2   | 47.9   | 49.6   | 50.5   | 50.8   | 51.4   | 52.1   | 52.7   | 53.3   | 52.7   |
| 107.5° | 45.9   | 47.6   | 49.3   | 51.0   | 51.9   | 52.2   | 52.8   | 53.5   | 54.1   | 54.7   | 54.1   |
| 110°   | 107.2  | 91.6   | 76.0   | 60.4   | 52.6   | 52.9   | 53.5   | 54.2   | 54.8   | 55.4   | 54.8   |



TEST NUMBER: P997994

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**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 289.2 | 222.0 | 154.8 | 87.6  | 54.0  | 54.2  | 54.7  | 55.2  | 55.6  | 56.1  | 55.6  |
| 115°   | 360.6 | 288.4 | 216.3 | 144.1 | 108.0 | 102.4 | 91.2  | 79.9  | 68.7  | 57.5  | 68.7  |
| 117.5° | 448.4 | 426.1 | 403.8 | 381.5 | 370.4 | 350.0 | 309.1 | 268.3 | 227.4 | 186.6 | 227.4 |
| 120°   | 516.1 | 517.9 | 519.8 | 521.7 | 522.6 | 512.1 | 491.0 | 470.0 | 448.9 | 427.9 | 448.9 |
| 122.5° | 556.5 | 557.5 | 558.4 | 559.3 | 559.8 | 559.9 | 560.0 | 560.2 | 560.3 | 560.5 | 560.3 |
| 125°   | 593.9 | 595.0 | 596.1 | 597.2 | 597.7 | 597.9 | 598.4 | 598.9 | 599.3 | 599.8 | 599.3 |
| 127.5° | 628.8 | 630.3 | 631.9 | 633.4 | 634.2 | 634.3 | 634.4 | 634.6 | 634.7 | 634.9 | 634.7 |
| 130°   | 661.8 | 663.6 | 665.3 | 667.0 | 667.9 | 667.8 | 667.7 | 667.5 | 667.4 | 667.2 | 667.4 |
| 132.5° | 694.5 | 695.9 | 697.3 | 698.7 | 699.4 | 699.3 | 699.2 | 699.0 | 698.9 | 698.7 | 698.9 |
| 135°   | 724.9 | 726.4 | 728.0 | 729.5 | 730.3 | 730.1 | 729.8 | 729.5 | 729.2 | 728.9 | 729.2 |
| 137.5° | 753.6 | 755.2 | 756.7 | 758.3 | 759.1 | 758.9 | 758.4 | 757.9 | 757.5 | 757.0 | 757.5 |
| 140°   | 781.5 | 782.9 | 784.3 | 785.7 | 786.4 | 786.0 | 785.2 | 784.5 | 783.7 | 782.9 | 783.7 |
| 142.5° | 807.3 | 808.6 | 809.8 | 811.1 | 811.7 | 811.3 | 810.5 | 809.8 | 809.0 | 808.2 | 809.0 |
| 145°   | 831.0 | 832.1 | 833.2 | 834.3 | 834.8 | 834.4 | 833.6 | 832.9 | 832.1 | 831.3 | 832.1 |
| 147.5° | 852.5 | 853.3 | 854.0 | 854.8 | 855.2 | 854.9 | 854.3 | 853.6 | 853.0 | 852.4 | 853.0 |
| 150°   | 871.5 | 872.5 | 873.4 | 874.3 | 874.8 | 874.4 | 873.6 | 872.9 | 872.1 | 871.3 | 872.1 |
| 152.5° | 889.1 | 890.0 | 891.0 | 891.9 | 892.4 | 891.8 | 890.7 | 889.6 | 888.5 | 887.4 | 888.5 |
| 155°   | 904.5 | 905.5 | 906.4 | 907.3 | 907.8 | 907.2 | 905.9 | 904.7 | 903.4 | 902.2 | 903.4 |
| 157.5° | 918.0 | 919.1 | 920.2 | 921.3 | 921.8 | 921.2 | 919.9 | 918.7 | 917.4 | 916.2 | 917.4 |
| 160°   | 929.7 | 930.7 | 931.6 | 932.5 | 933.0 | 932.5 | 931.4 | 930.3 | 929.2 | 928.1 | 929.2 |
| 162.5° | 940.5 | 941.6 | 942.7 | 943.8 | 944.3 | 943.6 | 942.2 | 940.8 | 939.4 | 938.0 | 939.4 |
| 165°   | 948.9 | 950.0 | 951.1 | 952.2 | 952.7 | 952.2 | 951.1 | 950.0 | 948.9 | 947.8 | 948.9 |
| 167.5° | 956.6 | 957.7 | 958.8 | 959.9 | 960.4 | 959.7 | 958.3 | 956.9 | 955.5 | 954.1 | 955.5 |
| 170°   | 962.2 | 963.3 | 964.4 | 965.5 | 966.0 | 965.3 | 963.9 | 962.5 | 961.1 | 959.7 | 961.1 |
| 172.5° | 966.4 | 967.5 | 968.6 | 969.7 | 970.2 | 969.5 | 968.1 | 966.7 | 965.3 | 963.9 | 965.3 |
| 175°   | 969.2 | 970.3 | 971.4 | 972.5 | 973.0 | 972.2 | 970.7 | 969.1 | 967.6 | 966.0 | 967.6 |
| 177.5° | 969.9 | 971.0 | 972.1 | 973.2 | 973.7 | 973.0 | 971.6 | 970.2 | 968.8 | 967.4 | 968.8 |
| 180°   | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 |

TEST NUMBER: P997994

CATALOG NUMBER: SA2XXDIP-B1005D725UB35-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 |
| 2.5°   | 2127.3 | 2116.5 | 2107.2 | 2108.8 | 2116.5 | 2110.3 | 2094.9 | 2074.9 | 2067.1 | 2057.9 | 2067.1 |
| 5°     | 2255.3 | 2246.1 | 2227.6 | 2229.1 | 2224.5 | 2218.3 | 2193.6 | 2162.8 | 2162.8 | 2138.1 | 2135.0 |
| 7.5°   | 2381.8 | 2368.0 | 2355.6 | 2352.5 | 2335.6 | 2323.2 | 2301.6 | 2258.4 | 2241.5 | 2212.1 | 2195.2 |
| 10°    | 2523.8 | 2513.0 | 2499.1 | 2482.1 | 2472.9 | 2451.3 | 2415.8 | 2352.5 | 2321.7 | 2281.6 | 2252.3 |
| 12.5°  | 2667.2 | 2665.7 | 2634.8 | 2600.9 | 2599.3 | 2565.4 | 2540.7 | 2455.9 | 2414.2 | 2360.2 | 2290.8 |
| 15°    | 2758.2 | 2750.5 | 2733.6 | 2716.6 | 2721.2 | 2684.2 | 2628.7 | 2528.4 | 2500.6 | 2435.8 | 2361.8 |
| 17.5°  | 2756.7 | 2756.7 | 2752.1 | 2749.0 | 2744.4 | 2733.6 | 2702.7 | 2636.4 | 2591.6 | 2509.9 | 2440.5 |
| 20°    | 2668.8 | 2688.8 | 2693.5 | 2691.9 | 2707.3 | 2715.0 | 2713.5 | 2671.9 | 2636.4 | 2563.9 | 2492.9 |
| 22.5°  | 2492.9 | 2539.2 | 2559.2 | 2571.6 | 2604.0 | 2620.9 | 2661.1 | 2645.6 | 2636.4 | 2582.4 | 2522.2 |
| 25°    | 2329.4 | 2344.8 | 2405.0 | 2408.1 | 2452.8 | 2494.5 | 2534.6 | 2560.8 | 2594.7 | 2574.7 | 2523.8 |
| 27.5°  | 2118.0 | 2153.5 | 2196.7 | 2229.1 | 2238.4 | 2323.2 | 2389.6 | 2438.9 | 2516.0 | 2522.2 | 2505.2 |
| 30°    | 1878.9 | 1895.9 | 1966.9 | 2010.1 | 2059.4 | 2121.1 | 2216.8 | 2301.6 | 2371.0 | 2434.3 | 2455.9 |
| 32.5°  | 1587.4 | 1656.8 | 1698.4 | 1750.9 | 1794.1 | 1903.6 | 2020.9 | 2130.4 | 2210.6 | 2317.0 | 2363.3 |
| 35°    | 1320.5 | 1374.5 | 1445.5 | 1467.1 | 1545.7 | 1638.3 | 1791.0 | 1931.4 | 2053.3 | 2161.2 | 2255.3 |
| 37.5°  | 1099.9 | 1143.1 | 1218.7 | 1252.6 | 1298.9 | 1417.7 | 1545.7 | 1720.0 | 1866.6 | 1999.3 | 2116.5 |
| 40°    | 948.7  | 981.1  | 1038.2 | 1049.0 | 1087.6 | 1195.5 | 1298.9 | 1462.4 | 1656.8 | 1835.7 | 1963.8 |
| 42.5°  | 845.4  | 860.8  | 899.4  | 913.2  | 937.9  | 1010.4 | 1103.0 | 1257.3 | 1437.7 | 1622.9 | 1803.3 |
| 45°    | 771.3  | 782.1  | 805.3  | 817.6  | 848.5  | 880.8  | 956.4  | 1079.8 | 1221.8 | 1408.4 | 1602.8 |
| 47.5°  | 705.0  | 718.9  | 728.1  | 735.8  | 752.8  | 788.3  | 837.7  | 928.7  | 1064.4 | 1235.7 | 1423.9 |
| 50°    | 649.5  | 654.1  | 671.0  | 672.6  | 683.4  | 706.5  | 752.8  | 808.3  | 916.3  | 1055.2 | 1237.2 |
| 52.5°  | 593.9  | 598.5  | 609.3  | 620.1  | 624.8  | 643.3  | 674.1  | 720.4  | 800.6  | 910.2  | 1072.1 |
| 55°    | 538.4  | 544.6  | 555.4  | 563.1  | 567.7  | 583.1  | 601.6  | 646.4  | 709.6  | 786.7  | 919.4  |
| 57.5°  | 482.8  | 496.7  | 499.8  | 504.4  | 512.2  | 529.1  | 546.1  | 572.3  | 621.7  | 692.6  | 789.8  |
| 60°    | 430.4  | 435.0  | 445.8  | 450.5  | 458.2  | 467.4  | 489.0  | 509.1  | 544.6  | 600.1  | 688.0  |
| 62.5°  | 376.4  | 387.2  | 391.8  | 396.5  | 402.6  | 413.4  | 427.3  | 448.9  | 479.8  | 524.5  | 593.9  |
| 65°    | 330.1  | 331.7  | 340.9  | 347.1  | 353.3  | 361.0  | 374.9  | 394.9  | 413.4  | 455.1  | 506.0  |
| 67.5°  | 285.4  | 288.5  | 291.6  | 297.7  | 305.4  | 313.2  | 325.5  | 336.3  | 359.4  | 387.2  | 427.3  |
| 70°    | 242.2  | 242.2  | 249.9  | 254.5  | 253.0  | 262.2  | 271.5  | 283.8  | 300.8  | 327.0  | 359.4  |
| 72.5°  | 203.6  | 202.1  | 208.3  | 209.8  | 212.9  | 219.1  | 225.2  | 237.6  | 246.8  | 266.9  | 291.6  |
| 75°    | 162.0  | 165.1  | 168.1  | 168.1  | 172.8  | 177.4  | 183.6  | 189.7  | 200.5  | 212.9  | 231.4  |
| 77.5°  | 128.0  | 128.0  | 131.1  | 132.7  | 137.3  | 135.8  | 141.9  | 148.1  | 155.8  | 166.6  | 180.5  |
| 80°    | 94.1   | 97.2   | 97.2   | 97.2   | 98.7   | 100.3  | 106.4  | 111.1  | 115.7  | 123.4  | 129.6  |
| 82.5°  | 66.3   | 66.3   | 69.4   | 69.4   | 69.4   | 72.5   | 72.5   | 74.0   | 77.1   | 81.8   | 86.4   |
| 85°    | 41.7   | 41.7   | 41.7   | 43.2   | 41.7   | 43.2   | 46.3   | 44.7   | 46.3   | 49.4   | 49.4   |
| 87.5°  | 20.1   | 20.1   | 20.1   | 20.1   | 20.1   | 21.6   | 20.1   | 21.6   | 23.1   | 23.1   | 23.1   |
| 90°    | 18.3   | 18.0   | 17.7   | 17.5   | 17.1   | 16.3   | 15.6   | 14.8   | 14.0   | 12.8   | 11.5   |
| 92.5°  | 18.6   | 18.4   | 18.3   | 18.2   | 18.0   | 17.7   | 17.4   | 17.1   | 16.8   | 16.3   | 15.9   |
| 95°    | 30.5   | 30.7   | 30.8   | 30.9   | 30.5   | 29.7   | 29.0   | 28.2   | 27.4   | 26.3   | 25.2   |
| 97.5°  | 38.3   | 38.1   | 38.0   | 37.9   | 37.7   | 37.2   | 36.7   | 36.3   | 35.8   | 33.3   | 30.8   |
| 100°   | 46.4   | 46.1   | 45.8   | 45.6   | 45.0   | 43.7   | 42.5   | 41.2   | 40.0   | 37.4   | 34.7   |
| 102.5° | 50.3   | 49.8   | 49.3   | 49.1   | 48.2   | 46.5   | 44.8   | 43.1   | 41.4   | 39.8   | 38.2   |
| 105°   | 52.1   | 51.4   | 50.8   | 50.5   | 49.6   | 47.9   | 46.2   | 44.5   | 42.8   | 41.4   | 40.0   |
| 107.5° | 53.5   | 52.8   | 52.2   | 51.9   | 51.0   | 49.3   | 47.6   | 45.9   | 44.2   | 42.8   | 41.4   |
| 110°   | 54.2   | 53.5   | 52.9   | 52.6   | 60.4   | 76.0   | 91.6   | 107.2  | 122.8  | 167.8  | 212.9  |

TEST NUMBER: P997994

CATALOG NUMBER: SA2XXDIP-B1005D725UB35-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 55.2  | 54.7  | 54.2  | 54.0   | 87.6  | 154.8 | 222.0 | 289.2 | 356.4 | 359.0 | 361.7 |
| 115°   | 79.9  | 91.2  | 102.4 | 108.0  | 144.1 | 216.3 | 288.4 | 360.6 | 432.8 | 428.9 | 425.0 |
| 117.5° | 268.3 | 309.1 | 350.0 | 370.4  | 381.5 | 403.8 | 426.1 | 448.4 | 470.7 | 468.1 | 465.4 |
| 120°   | 470.0 | 491.0 | 512.1 | 522.6  | 521.7 | 519.8 | 517.9 | 516.1 | 514.2 | 511.4 | 508.6 |
| 122.5° | 560.2 | 560.0 | 559.9 | 559.8  | 559.3 | 558.4 | 557.5 | 556.5 | 555.6 | 552.5 | 549.4 |
| 125°   | 598.9 | 598.4 | 597.9 | 597.7  | 597.2 | 596.1 | 595.0 | 593.9 | 592.8 | 589.8 | 586.9 |
| 127.5° | 634.6 | 634.4 | 634.3 | 634.2  | 633.4 | 631.9 | 630.3 | 628.8 | 627.2 | 624.8 | 622.5 |
| 130°   | 667.5 | 667.7 | 667.8 | 667.9  | 667.0 | 665.3 | 663.6 | 661.8 | 660.1 | 658.4 | 656.7 |
| 132.5° | 699.0 | 699.2 | 699.3 | 699.4  | 698.7 | 697.3 | 695.9 | 694.5 | 693.1 | 691.4 | 689.7 |
| 135°   | 729.5 | 729.8 | 730.1 | 730.3  | 729.5 | 728.0 | 726.4 | 724.9 | 723.3 | 721.9 | 720.5 |
| 137.5° | 757.9 | 758.4 | 758.9 | 759.1  | 758.3 | 756.7 | 755.2 | 753.6 | 752.0 | 750.4 | 748.9 |
| 140°   | 784.5 | 785.2 | 786.0 | 786.4  | 785.7 | 784.3 | 782.9 | 781.5 | 780.1 | 778.4 | 776.7 |
| 142.5° | 809.8 | 810.5 | 811.3 | 811.7  | 811.1 | 809.8 | 808.6 | 807.3 | 806.1 | 804.1 | 802.0 |
| 145°   | 832.9 | 833.6 | 834.4 | 834.8  | 834.3 | 833.2 | 832.1 | 831.0 | 829.9 | 827.3 | 824.6 |
| 147.5° | 853.6 | 854.3 | 854.9 | 855.2  | 854.8 | 854.0 | 853.3 | 852.5 | 851.7 | 849.0 | 846.4 |
| 150°   | 872.9 | 873.6 | 874.4 | 874.8  | 874.3 | 873.4 | 872.5 | 871.5 | 870.6 | 868.1 | 865.6 |
| 152.5° | 889.6 | 890.7 | 891.8 | 892.4  | 891.9 | 891.0 | 890.0 | 889.1 | 888.1 | 885.8 | 883.4 |
| 155°   | 904.7 | 905.9 | 907.2 | 907.8  | 907.3 | 906.4 | 905.5 | 904.5 | 903.6 | 901.7 | 899.9 |
| 157.5° | 918.7 | 919.9 | 921.2 | 921.8  | 921.3 | 920.2 | 919.1 | 918.0 | 916.9 | 915.5 | 914.1 |
| 160°   | 930.3 | 931.4 | 932.5 | 933.0  | 932.5 | 931.6 | 930.7 | 929.7 | 928.8 | 927.9 | 926.9 |
| 162.5° | 940.8 | 942.2 | 943.6 | 944.3  | 943.8 | 942.7 | 941.6 | 940.5 | 939.4 | 938.6 | 937.8 |
| 165°   | 950.0 | 951.1 | 952.2 | 952.7  | 952.2 | 951.1 | 950.0 | 948.9 | 947.8 | 947.3 | 946.9 |
| 167.5° | 956.9 | 958.3 | 959.7 | 960.4  | 959.9 | 958.8 | 957.7 | 956.6 | 955.5 | 955.0 | 954.6 |
| 170°   | 962.5 | 963.9 | 965.3 | 966.0  | 965.5 | 964.4 | 963.3 | 962.2 | 961.1 | 960.8 | 960.5 |
| 172.5° | 966.7 | 968.1 | 969.5 | 970.2  | 969.7 | 968.6 | 967.5 | 966.4 | 965.3 | 965.0 | 964.7 |
| 175°   | 969.1 | 970.7 | 972.2 | 973.0  | 972.5 | 971.4 | 970.3 | 969.2 | 968.1 | 967.8 | 967.5 |
| 177.5° | 970.2 | 971.6 | 973.0 | 973.7  | 973.2 | 972.1 | 971.0 | 969.9 | 968.8 | 968.6 | 968.5 |
| 180°   | 969.5 | 969.5 | 969.5 | 969.5  | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 |
| 2.5°   | 2059.4 | 2051.7 | 2047.1 | 2050.2 | 2040.9 | 2017.8 | 2017.8 | 2025.5 | 2016.2 | 2007.0 | 1993.1 |
| 5°     | 2116.5 | 2101.1 | 2091.8 | 2090.3 | 2068.7 | 2031.7 | 2023.9 | 2016.2 | 1996.2 | 1974.6 | 1951.4 |
| 7.5°   | 2172.0 | 2144.3 | 2128.8 | 2118.0 | 2087.2 | 2039.4 | 2019.3 | 2002.3 | 1970.0 | 1937.6 | 1908.2 |
| 10°    | 2218.3 | 2178.2 | 2159.7 | 2142.7 | 2102.6 | 2042.5 | 2010.1 | 1979.2 | 1937.6 | 1895.9 | 1858.9 |
| 12.5°  | 2255.3 | 2209.1 | 2185.9 | 2161.2 | 2111.9 | 2033.2 | 1993.1 | 1943.7 | 1902.1 | 1846.5 | 1809.5 |
| 15°    | 2317.0 | 2221.4 | 2199.8 | 2176.7 | 2125.8 | 2017.8 | 1968.4 | 1912.9 | 1855.8 | 1781.8 | 1741.6 |
| 17.5°  | 2366.4 | 2238.4 | 2236.8 | 2187.5 | 2121.1 | 2011.6 | 1936.0 | 1863.5 | 1801.8 | 1727.8 | 1664.5 |
| 20°    | 2395.7 | 2264.6 | 2239.9 | 2189.0 | 2105.7 | 1970.0 | 1891.3 | 1811.1 | 1744.7 | 1655.3 | 1592.0 |
| 22.5°  | 2420.4 | 2301.6 | 2236.8 | 2175.1 | 2073.3 | 1956.1 | 1840.4 | 1764.8 | 1673.8 | 1576.6 | 1516.4 |
| 25°    | 2429.7 | 2309.3 | 2241.5 | 2170.5 | 2050.2 | 1916.0 | 1784.8 | 1703.1 | 1601.3 | 1513.3 | 1431.6 |
| 27.5°  | 2431.2 | 2307.8 | 2224.5 | 2150.4 | 2017.8 | 1863.5 | 1729.3 | 1642.9 | 1530.3 | 1428.5 | 1346.7 |
| 30°    | 2415.8 | 2290.8 | 2215.2 | 2135.0 | 1986.9 | 1815.7 | 1661.4 | 1565.8 | 1445.5 | 1343.6 | 1258.8 |
| 32.5°  | 2369.5 | 2256.9 | 2195.2 | 2107.2 | 1946.8 | 1749.4 | 1596.6 | 1490.2 | 1363.7 | 1263.4 | 1181.7 |
| 35°    | 2292.4 | 2215.2 | 2147.4 | 2065.6 | 1894.4 | 1687.6 | 1531.8 | 1406.9 | 1278.8 | 1183.2 | 1106.1 |
| 37.5°  | 2196.7 | 2155.1 | 2091.8 | 2011.6 | 1834.2 | 1632.1 | 1459.3 | 1320.5 | 1192.5 | 1099.9 | 1024.3 |
| 40°    | 2067.1 | 2077.9 | 2016.2 | 1943.7 | 1763.2 | 1556.5 | 1365.2 | 1232.6 | 1112.2 | 1025.9 | 951.8  |
| 42.5°  | 1926.8 | 1971.5 | 1936.0 | 1866.6 | 1684.6 | 1473.2 | 1295.8 | 1149.3 | 1032.0 | 942.6  | 880.8  |
| 45°    | 1775.6 | 1852.7 | 1831.1 | 1780.2 | 1602.8 | 1385.3 | 1197.1 | 1055.2 | 951.8  | 865.4  | 811.4  |
| 47.5°  | 1610.5 | 1720.0 | 1720.0 | 1683.0 | 1511.8 | 1297.4 | 1112.2 | 967.2  | 865.4  | 803.7  | 751.3  |
| 50°    | 1442.4 | 1565.8 | 1585.8 | 1561.2 | 1410.0 | 1197.1 | 1008.9 | 877.8  | 789.8  | 729.7  | 691.1  |
| 52.5°  | 1266.5 | 1410.0 | 1447.0 | 1434.7 | 1302.0 | 1101.4 | 924.0  | 796.0  | 715.8  | 663.3  | 629.4  |
| 55°    | 1098.4 | 1265.0 | 1305.1 | 1309.7 | 1186.3 | 996.5  | 829.9  | 717.3  | 640.2  | 604.7  | 575.4  |
| 57.5°  | 939.5  | 1099.9 | 1144.6 | 1152.4 | 1069.1 | 900.9  | 742.0  | 643.3  | 573.9  | 544.6  | 521.4  |
| 60°    | 803.7  | 937.9  | 996.5  | 1013.5 | 941.0  | 789.8  | 660.3  | 564.6  | 512.2  | 484.4  | 462.8  |
| 62.5°  | 692.6  | 800.6  | 862.3  | 867.0  | 834.6  | 692.6  | 575.4  | 495.2  | 450.5  | 425.8  | 415.0  |
| 65°    | 584.7  | 681.8  | 718.9  | 737.4  | 711.2  | 600.1  | 496.7  | 430.4  | 394.9  | 373.3  | 362.5  |
| 67.5°  | 498.3  | 560.0  | 590.8  | 615.5  | 589.3  | 506.0  | 422.7  | 368.7  | 342.5  | 320.9  | 314.7  |
| 70°    | 408.8  | 459.7  | 482.8  | 507.5  | 484.4  | 421.1  | 361.0  | 311.6  | 288.5  | 271.5  | 263.8  |
| 72.5°  | 327.0  | 367.1  | 388.7  | 404.2  | 390.3  | 337.8  | 288.5  | 254.5  | 237.6  | 225.2  | 220.6  |
| 75°    | 259.2  | 286.9  | 299.3  | 310.1  | 303.9  | 263.8  | 232.9  | 205.2  | 189.7  | 178.9  | 175.9  |
| 77.5°  | 197.5  | 217.5  | 231.4  | 234.5  | 226.8  | 200.5  | 174.3  | 157.3  | 145.0  | 138.8  | 135.8  |
| 80°    | 140.4  | 152.7  | 160.4  | 165.1  | 157.3  | 146.6  | 128.0  | 115.7  | 104.9  | 97.2   | 95.6   |
| 82.5°  | 94.1   | 100.3  | 106.4  | 104.9  | 101.8  | 92.6   | 81.8   | 75.6   | 71.0   | 64.8   | 64.8   |
| 85°    | 54.0   | 55.5   | 58.6   | 60.2   | 58.6   | 52.4   | 46.3   | 43.2   | 40.1   | 35.5   | 35.5   |
| 87.5°  | 23.1   | 24.7   | 24.7   | 26.2   | 23.1   | 23.1   | 20.1   | 17.0   | 17.0   | 15.4   | 13.9   |
| 90°    | 10.3   | 9.0    | 8.4    | 7.5    | 5.8    | 4.1    | 2.4    | 0.7    | 2.4    | 4.1    | 5.8    |
| 92.5°  | 15.4   | 14.9   | 14.7   | 15.0   | 15.6   | 16.3   | 16.9   | 17.5   | 16.9   | 16.3   | 15.6   |
| 95°    | 24.1   | 23.0   | 22.4   | 25.0   | 30.1   | 35.3   | 40.4   | 45.6   | 40.4   | 35.3   | 30.1   |
| 97.5°  | 28.3   | 25.8   | 24.6   | 31.0   | 43.8   | 56.5   | 69.3   | 82.1   | 69.3   | 56.5   | 43.8   |
| 100°   | 32.1   | 29.4   | 28.1   | 38.8   | 60.1   | 81.5   | 102.8  | 124.2  | 102.8  | 81.5   | 60.1   |
| 102.5° | 126.5  | 154.9  | 169.1  | 169.3  | 169.6  | 169.9  | 170.2  | 170.5  | 170.2  | 169.9  | 169.6  |
| 105°   | 170.5  | 213.0  | 234.3  | 232.0  | 227.3  | 222.6  | 218.0  | 213.3  | 218.0  | 222.6  | 227.3  |
| 107.5° | 201.8  | 254.3  | 280.6  | 278.7  | 274.8  | 270.9  | 267.0  | 263.1  | 267.0  | 270.9  | 274.8  |
| 110°   | 257.9  | 303.0  | 325.5  | 323.9  | 320.6  | 317.3  | 314.1  | 310.8  | 314.1  | 317.3  | 320.6  |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 364.3 | 367.0 | 368.3  | 366.9 | 364.1 | 361.3 | 358.5 | 355.7 | 358.5 | 361.3 | 364.1 |
| 115°   | 421.1 | 417.2 | 415.3  | 414.0 | 411.3 | 408.7 | 406.0 | 403.4 | 406.0 | 408.7 | 411.3 |
| 117.5° | 462.8 | 460.1 | 458.8  | 457.2 | 454.1 | 451.0 | 447.9 | 444.8 | 447.9 | 451.0 | 454.1 |
| 120°   | 505.8 | 503.0 | 501.6  | 500.4 | 498.1 | 495.8 | 493.4 | 491.1 | 493.4 | 495.8 | 498.1 |
| 122.5° | 546.3 | 543.2 | 541.6  | 540.4 | 537.9 | 535.4 | 532.9 | 530.4 | 532.9 | 535.4 | 537.9 |
| 125°   | 583.9 | 581.0 | 579.5  | 578.5 | 576.4 | 574.4 | 572.3 | 570.3 | 572.3 | 574.4 | 576.4 |
| 127.5° | 620.1 | 617.8 | 616.6  | 615.5 | 613.3 | 611.2 | 609.0 | 606.8 | 609.0 | 611.2 | 613.3 |
| 130°   | 655.0 | 653.3 | 652.4  | 651.2 | 648.7 | 646.2 | 643.7 | 641.2 | 643.7 | 646.2 | 648.7 |
| 132.5° | 688.0 | 686.3 | 685.4  | 684.4 | 682.4 | 680.3 | 678.3 | 676.3 | 678.3 | 680.3 | 682.4 |
| 135°   | 719.1 | 717.7 | 717.0  | 715.7 | 713.2 | 710.7 | 708.2 | 705.7 | 708.2 | 710.7 | 713.2 |
| 137.5° | 747.3 | 745.8 | 745.0  | 744.1 | 742.2 | 740.3 | 738.5 | 736.6 | 738.5 | 740.3 | 742.2 |
| 140°   | 775.0 | 773.3 | 772.4  | 771.8 | 770.5 | 769.3 | 768.0 | 766.8 | 768.0 | 769.3 | 770.5 |
| 142.5° | 800.0 | 797.9 | 796.9  | 796.4 | 795.3 | 794.2 | 793.1 | 792.0 | 793.1 | 794.2 | 795.3 |
| 145°   | 822.0 | 819.3 | 818.0  | 818.1 | 818.2 | 818.4 | 818.5 | 818.7 | 818.5 | 818.4 | 818.2 |
| 147.5° | 843.7 | 841.0 | 839.7  | 839.9 | 840.4 | 840.9 | 841.3 | 841.8 | 841.3 | 840.9 | 840.4 |
| 150°   | 863.1 | 860.6 | 859.4  | 859.9 | 861.0 | 862.1 | 863.2 | 864.3 | 863.2 | 862.1 | 861.0 |
| 152.5° | 881.1 | 878.8 | 877.6  | 878.2 | 879.5 | 880.7 | 882.0 | 883.2 | 882.0 | 880.7 | 879.5 |
| 155°   | 898.0 | 896.1 | 895.2  | 895.9 | 897.3 | 898.7 | 900.1 | 901.5 | 900.1 | 898.7 | 897.3 |
| 157.5° | 912.7 | 911.3 | 910.6  | 911.2 | 912.5 | 913.7 | 915.0 | 916.2 | 915.0 | 913.7 | 912.5 |
| 160°   | 926.0 | 925.1 | 924.6  | 925.1 | 926.0 | 926.9 | 927.9 | 928.8 | 927.9 | 926.9 | 926.0 |
| 162.5° | 937.0 | 936.2 | 935.8  | 936.3 | 937.2 | 938.2 | 939.1 | 940.1 | 939.1 | 938.2 | 937.2 |
| 165°   | 946.4 | 945.9 | 945.7  | 946.2 | 947.1 | 948.0 | 949.0 | 949.9 | 949.0 | 948.0 | 947.1 |
| 167.5° | 954.1 | 953.6 | 953.4  | 953.9 | 954.8 | 955.7 | 956.7 | 957.6 | 956.7 | 955.7 | 954.8 |
| 170°   | 960.2 | 959.9 | 959.7  | 960.2 | 961.1 | 962.0 | 963.0 | 963.9 | 963.0 | 962.0 | 961.1 |
| 172.5° | 964.4 | 964.1 | 963.9  | 964.4 | 965.3 | 966.2 | 967.2 | 968.1 | 967.2 | 966.2 | 965.3 |
| 175°   | 967.2 | 966.9 | 966.7  | 967.2 | 968.3 | 969.4 | 970.5 | 971.6 | 970.5 | 969.4 | 968.3 |
| 177.5° | 968.3 | 968.2 | 968.1  | 968.6 | 969.7 | 970.8 | 971.9 | 973.0 | 971.9 | 970.8 | 969.7 |
| 180°   | 969.5 | 969.5 | 969.5  | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 |

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**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 |
| 2.5°   | 1985.4 | 1993.1 | 1991.5 | 1976.1 | 1959.2 | 1945.3 | 1919.0 | 1922.1 | 1912.9 | 1914.4 | 1923.7 |
| 5°     | 1936.0 | 1936.0 | 1929.8 | 1908.2 | 1880.5 | 1865.1 | 1835.7 | 1828.0 | 1809.5 | 1808.0 | 1806.4 |
| 7.5°   | 1883.6 | 1875.9 | 1868.1 | 1837.3 | 1803.3 | 1778.7 | 1738.6 | 1729.3 | 1710.8 | 1698.4 | 1692.3 |
| 10°    | 1821.9 | 1811.1 | 1795.6 | 1760.2 | 1718.5 | 1687.6 | 1646.0 | 1633.7 | 1598.2 | 1582.7 | 1573.5 |
| 12.5°  | 1754.0 | 1747.8 | 1723.1 | 1693.8 | 1625.9 | 1592.0 | 1531.8 | 1544.2 | 1508.7 | 1477.9 | 1473.2 |
| 15°    | 1686.1 | 1663.0 | 1649.1 | 1601.3 | 1519.5 | 1504.1 | 1456.3 | 1431.6 | 1399.2 | 1374.5 | 1374.5 |
| 17.5°  | 1619.8 | 1584.3 | 1553.4 | 1502.5 | 1442.4 | 1399.2 | 1363.7 | 1351.4 | 1311.2 | 1286.6 | 1281.9 |
| 20°    | 1531.8 | 1491.7 | 1484.0 | 1411.5 | 1369.9 | 1322.0 | 1288.1 | 1257.3 | 1227.9 | 1217.1 | 1209.4 |
| 22.5°  | 1448.5 | 1402.3 | 1389.9 | 1328.2 | 1286.6 | 1238.7 | 1204.8 | 1183.2 | 1161.6 | 1153.9 | 1140.0 |
| 25°    | 1359.1 | 1331.3 | 1312.8 | 1246.5 | 1200.2 | 1155.4 | 1132.3 | 1116.9 | 1096.8 | 1095.3 | 1086.0 |
| 27.5°  | 1272.7 | 1246.5 | 1227.9 | 1164.7 | 1130.8 | 1089.1 | 1070.6 | 1053.6 | 1042.8 | 1038.2 | 1033.6 |
| 30°    | 1198.6 | 1169.3 | 1147.7 | 1101.4 | 1059.8 | 1025.9 | 1010.4 | 999.6  | 993.5  | 985.7  | 984.2  |
| 32.5°  | 1116.9 | 1099.9 | 1070.6 | 1035.1 | 1002.7 | 970.3  | 961.1  | 953.4  | 944.1  | 941.0  | 939.5  |
| 35°    | 1047.5 | 1024.3 | 1005.8 | 965.7  | 951.8  | 924.0  | 913.2  | 907.1  | 894.7  | 891.6  | 888.6  |
| 37.5°  | 979.6  | 958.0  | 937.9  | 913.2  | 887.0  | 871.6  | 865.4  | 856.2  | 850.0  | 851.5  | 848.5  |
| 40°    | 911.7  | 894.7  | 879.3  | 853.1  | 837.7  | 829.9  | 817.6  | 808.3  | 805.3  | 806.8  | 805.3  |
| 42.5°  | 845.4  | 829.9  | 820.7  | 800.6  | 785.2  | 777.5  | 769.8  | 760.5  | 765.1  | 765.1  | 769.8  |
| 45°    | 785.2  | 771.3  | 765.1  | 749.7  | 740.5  | 728.1  | 720.4  | 718.9  | 725.0  | 723.5  | 723.5  |
| 47.5°  | 723.5  | 718.9  | 711.2  | 697.3  | 684.9  | 677.2  | 675.7  | 675.7  | 681.8  | 684.9  | 683.4  |
| 50°    | 675.7  | 666.4  | 657.2  | 646.4  | 637.1  | 634.0  | 629.4  | 632.5  | 638.7  | 638.7  | 641.7  |
| 52.5°  | 615.5  | 609.3  | 606.3  | 597.0  | 590.8  | 590.8  | 590.8  | 592.4  | 597.0  | 601.6  | 600.1  |
| 55°    | 563.1  | 558.4  | 555.4  | 550.7  | 543.0  | 544.6  | 543.0  | 546.1  | 550.7  | 555.4  | 558.4  |
| 57.5°  | 507.5  | 506.0  | 502.9  | 495.2  | 495.2  | 493.6  | 498.3  | 499.8  | 507.5  | 510.6  | 515.2  |
| 60°    | 458.2  | 453.5  | 453.5  | 447.4  | 447.4  | 447.4  | 452.0  | 456.6  | 462.8  | 464.3  | 467.4  |
| 62.5°  | 405.7  | 405.7  | 404.2  | 399.5  | 399.5  | 404.2  | 405.7  | 411.9  | 415.0  | 415.0  | 419.6  |
| 65°    | 356.4  | 354.8  | 353.3  | 354.8  | 356.4  | 356.4  | 361.0  | 364.1  | 367.1  | 368.7  | 370.2  |
| 67.5°  | 307.0  | 305.4  | 308.5  | 307.0  | 310.1  | 316.2  | 314.7  | 319.3  | 324.0  | 324.0  | 325.5  |
| 70°    | 260.7  | 263.8  | 262.2  | 265.3  | 263.8  | 266.9  | 271.5  | 273.0  | 273.0  | 274.6  | 279.2  |
| 72.5°  | 217.5  | 217.5  | 217.5  | 216.0  | 217.5  | 220.6  | 223.7  | 225.2  | 228.3  | 229.9  | 234.5  |
| 75°    | 175.9  | 175.9  | 172.8  | 175.9  | 175.9  | 178.9  | 182.0  | 182.0  | 182.0  | 185.1  | 189.7  |
| 77.5°  | 132.7  | 134.2  | 132.7  | 135.8  | 135.8  | 137.3  | 140.4  | 138.8  | 141.9  | 143.5  | 145.0  |
| 80°    | 97.2   | 95.6   | 95.6   | 95.6   | 97.2   | 97.2   | 100.3  | 101.8  | 101.8  | 106.4  | 103.4  |
| 82.5°  | 61.7   | 63.2   | 61.7   | 63.2   | 63.2   | 64.8   | 63.2   | 64.8   | 66.3   | 69.4   | 67.9   |
| 85°    | 35.5   | 33.9   | 33.9   | 35.5   | 33.9   | 33.9   | 35.5   | 33.9   | 35.5   | 33.9   | 35.5   |
| 87.5°  | 13.9   | 12.3   | 12.3   | 12.3   | 12.3   | 10.8   | 10.8   | 9.3    | 9.3    | 9.3    | 7.7    |
| 90°    | 7.5    | 8.4    | 9.0    | 10.3   | 11.5   | 12.8   | 14.0   | 14.8   | 15.6   | 16.3   | 17.1   |
| 92.5°  | 15.0   | 14.7   | 14.9   | 15.4   | 15.9   | 16.3   | 16.8   | 17.1   | 17.4   | 17.7   | 18.0   |
| 95°    | 25.0   | 22.4   | 23.0   | 24.1   | 25.2   | 26.3   | 27.4   | 28.2   | 29.0   | 29.7   | 30.5   |
| 97.5°  | 31.0   | 24.6   | 25.8   | 28.3   | 30.8   | 33.3   | 35.8   | 36.3   | 36.7   | 37.2   | 37.7   |
| 100°   | 38.8   | 28.1   | 29.4   | 32.1   | 34.7   | 37.4   | 40.0   | 41.2   | 42.5   | 43.7   | 45.0   |
| 102.5° | 169.3  | 169.1  | 154.9  | 126.5  | 98.2   | 69.8   | 41.4   | 43.1   | 44.8   | 46.5   | 48.2   |
| 105°   | 232.0  | 234.3  | 213.0  | 170.5  | 127.9  | 85.4   | 42.8   | 44.5   | 46.2   | 47.9   | 49.6   |
| 107.5° | 278.7  | 280.6  | 254.3  | 201.8  | 149.3  | 96.7   | 44.2   | 45.9   | 47.6   | 49.3   | 51.0   |
| 110°   | 323.9  | 325.5  | 303.0  | 257.9  | 212.9  | 167.8  | 122.8  | 107.2  | 91.6   | 76.0   | 60.4   |

TEST NUMBER: P997994

CATALOG NUMBER: SA2XXDIP-B1005D725UB35-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 366.9 | 368.3  | 367.0 | 364.3 | 361.7 | 359.0 | 356.4 | 289.2 | 222.0 | 154.8 | 87.6  |
| 115°   | 414.0 | 415.3  | 417.2 | 421.1 | 425.0 | 428.9 | 432.8 | 360.6 | 288.4 | 216.3 | 144.1 |
| 117.5° | 457.2 | 458.8  | 460.1 | 462.8 | 465.4 | 468.1 | 470.7 | 448.4 | 426.1 | 403.8 | 381.5 |
| 120°   | 500.4 | 501.6  | 503.0 | 505.8 | 508.6 | 511.4 | 514.2 | 516.1 | 517.9 | 519.8 | 521.7 |
| 122.5° | 540.4 | 541.6  | 543.2 | 546.3 | 549.4 | 552.5 | 555.6 | 556.5 | 557.5 | 558.4 | 559.3 |
| 125°   | 578.5 | 579.5  | 581.0 | 583.9 | 586.9 | 589.8 | 592.8 | 593.9 | 595.0 | 596.1 | 597.2 |
| 127.5° | 615.5 | 616.6  | 617.8 | 620.1 | 622.5 | 624.8 | 627.2 | 628.8 | 630.3 | 631.9 | 633.4 |
| 130°   | 651.2 | 652.4  | 653.3 | 655.0 | 656.7 | 658.4 | 660.1 | 661.8 | 663.6 | 665.3 | 667.0 |
| 132.5° | 684.4 | 685.4  | 686.3 | 688.0 | 689.7 | 691.4 | 693.1 | 694.5 | 695.9 | 697.3 | 698.7 |
| 135°   | 715.7 | 717.0  | 717.7 | 719.1 | 720.5 | 721.9 | 723.3 | 724.9 | 726.4 | 728.0 | 729.5 |
| 137.5° | 744.1 | 745.0  | 745.8 | 747.3 | 748.9 | 750.4 | 752.0 | 753.6 | 755.2 | 756.7 | 758.3 |
| 140°   | 771.8 | 772.4  | 773.3 | 775.0 | 776.7 | 778.4 | 780.1 | 781.5 | 782.9 | 784.3 | 785.7 |
| 142.5° | 796.4 | 796.9  | 797.9 | 800.0 | 802.0 | 804.1 | 806.1 | 807.3 | 808.6 | 809.8 | 811.1 |
| 145°   | 818.1 | 818.0  | 819.3 | 822.0 | 824.6 | 827.3 | 829.9 | 831.0 | 832.1 | 833.2 | 834.3 |
| 147.5° | 839.9 | 839.7  | 841.0 | 843.7 | 846.4 | 849.0 | 851.7 | 852.5 | 853.3 | 854.0 | 854.8 |
| 150°   | 859.9 | 859.4  | 860.6 | 863.1 | 865.6 | 868.1 | 870.6 | 871.5 | 872.5 | 873.4 | 874.3 |
| 152.5° | 878.2 | 877.6  | 878.8 | 881.1 | 883.4 | 885.8 | 888.1 | 889.1 | 890.0 | 891.0 | 891.9 |
| 155°   | 895.9 | 895.2  | 896.1 | 898.0 | 899.9 | 901.7 | 903.6 | 904.5 | 905.5 | 906.4 | 907.3 |
| 157.5° | 911.2 | 910.6  | 911.3 | 912.7 | 914.1 | 915.5 | 916.9 | 918.0 | 919.1 | 920.2 | 921.3 |
| 160°   | 925.1 | 924.6  | 925.1 | 926.0 | 926.9 | 927.9 | 928.8 | 929.7 | 930.7 | 931.6 | 932.5 |
| 162.5° | 936.3 | 935.8  | 936.2 | 937.0 | 937.8 | 938.6 | 939.4 | 940.5 | 941.6 | 942.7 | 943.8 |
| 165°   | 946.2 | 945.7  | 945.9 | 946.4 | 946.9 | 947.3 | 947.8 | 948.9 | 950.0 | 951.1 | 952.2 |
| 167.5° | 953.9 | 953.4  | 953.6 | 954.1 | 954.6 | 955.0 | 955.5 | 956.6 | 957.7 | 958.8 | 959.9 |
| 170°   | 960.2 | 959.7  | 959.9 | 960.2 | 960.5 | 960.8 | 961.1 | 962.2 | 963.3 | 964.4 | 965.5 |
| 172.5° | 964.4 | 963.9  | 964.1 | 964.4 | 964.7 | 965.0 | 965.3 | 966.4 | 967.5 | 968.6 | 969.7 |
| 175°   | 967.2 | 966.7  | 966.9 | 967.2 | 967.5 | 967.8 | 968.1 | 969.2 | 970.3 | 971.4 | 972.5 |
| 177.5° | 968.6 | 968.1  | 968.2 | 968.3 | 968.5 | 968.6 | 968.8 | 969.9 | 971.0 | 972.1 | 973.2 |
| 180°   | 969.5 | 969.5  | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 |



TEST NUMBER: P997994

CATALOG NUMBER: SA2XXDIP-B1005D725UB35-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 |
| 2.5°   | 1912.9 | 1917.5 | 1906.7 | 1903.6 | 1906.7 | 1895.9 | 1899.0 | 1902.1 | 1902.1 | 1906.7 | 1909.8 |
| 5°     | 1801.8 | 1795.6 | 1784.8 | 1781.8 | 1778.7 | 1783.3 | 1780.2 | 1784.8 | 1786.4 | 1797.2 | 1798.7 |
| 7.5°   | 1692.3 | 1683.0 | 1673.8 | 1664.5 | 1661.4 | 1653.7 | 1661.4 | 1661.4 | 1672.2 | 1669.1 | 1676.9 |
| 10°    | 1562.7 | 1561.2 | 1548.8 | 1544.2 | 1538.0 | 1525.7 | 1542.6 | 1538.0 | 1545.7 | 1559.6 | 1562.7 |
| 12.5°  | 1467.1 | 1450.1 | 1457.8 | 1436.2 | 1443.9 | 1431.6 | 1433.1 | 1433.1 | 1445.5 | 1447.0 | 1443.9 |
| 15°    | 1376.0 | 1362.2 | 1342.1 | 1332.8 | 1328.2 | 1322.0 | 1342.1 | 1343.6 | 1334.4 | 1356.0 | 1348.3 |
| 17.5°  | 1283.5 | 1283.5 | 1265.0 | 1260.3 | 1248.0 | 1254.2 | 1251.1 | 1252.6 | 1249.5 | 1265.0 | 1272.7 |
| 20°    | 1203.3 | 1195.5 | 1189.4 | 1190.9 | 1175.5 | 1172.4 | 1169.3 | 1172.4 | 1183.2 | 1194.0 | 1197.1 |
| 22.5°  | 1138.5 | 1133.8 | 1118.4 | 1121.5 | 1109.2 | 1113.8 | 1110.7 | 1118.4 | 1120.0 | 1120.0 | 1130.8 |
| 25°    | 1076.8 | 1070.6 | 1072.1 | 1066.0 | 1061.3 | 1061.3 | 1056.7 | 1061.3 | 1067.5 | 1070.6 | 1072.1 |
| 27.5°  | 1030.5 | 1025.9 | 1018.1 | 1013.5 | 1016.6 | 1008.9 | 1015.1 | 1019.7 | 1019.7 | 1016.6 | 1019.7 |
| 30°    | 974.9  | 978.0  | 978.0  | 962.6  | 968.8  | 965.7  | 970.3  | 973.4  | 973.4  | 974.9  | 971.9  |
| 32.5°  | 937.9  | 928.7  | 927.1  | 925.6  | 925.6  | 919.4  | 919.4  | 924.0  | 925.6  | 927.1  | 931.8  |
| 35°    | 888.6  | 888.6  | 880.8  | 885.5  | 879.3  | 880.8  | 879.3  | 880.8  | 883.9  | 879.3  | 883.9  |
| 37.5°  | 843.8  | 845.4  | 842.3  | 845.4  | 846.9  | 843.8  | 840.7  | 846.9  | 843.8  | 843.8  | 840.7  |
| 40°    | 805.3  | 803.7  | 805.3  | 805.3  | 805.3  | 806.8  | 803.7  | 803.7  | 803.7  | 800.6  | 797.5  |
| 42.5°  | 772.9  | 763.6  | 766.7  | 768.2  | 763.6  | 763.6  | 765.1  | 763.6  | 768.2  | 759.0  | 759.0  |
| 45°    | 726.6  | 723.5  | 725.0  | 725.0  | 728.1  | 723.5  | 726.6  | 728.1  | 723.5  | 722.0  | 718.9  |
| 47.5°  | 684.9  | 688.0  | 684.9  | 688.0  | 688.0  | 691.1  | 684.9  | 686.5  | 688.0  | 681.8  | 677.2  |
| 50°    | 643.3  | 643.3  | 647.9  | 646.4  | 647.9  | 644.8  | 644.8  | 643.3  | 644.8  | 641.7  | 637.1  |
| 52.5°  | 604.7  | 600.1  | 607.8  | 606.3  | 604.7  | 603.2  | 601.6  | 603.2  | 600.1  | 597.0  | 597.0  |
| 55°    | 556.9  | 556.9  | 561.5  | 563.1  | 563.1  | 560.0  | 556.9  | 558.4  | 556.9  | 555.4  | 553.8  |
| 57.5°  | 518.3  | 512.2  | 515.2  | 516.8  | 516.8  | 512.2  | 515.2  | 512.2  | 512.2  | 513.7  | 509.1  |
| 60°    | 469.0  | 469.0  | 465.9  | 470.5  | 470.5  | 467.4  | 467.4  | 469.0  | 465.9  | 464.3  | 462.8  |
| 62.5°  | 416.5  | 418.1  | 422.7  | 424.2  | 425.8  | 422.7  | 419.6  | 421.1  | 421.1  | 416.5  | 418.1  |
| 65°    | 371.8  | 374.9  | 381.0  | 379.5  | 376.4  | 377.9  | 374.9  | 376.4  | 371.8  | 373.3  | 368.7  |
| 67.5°  | 328.6  | 327.0  | 328.6  | 328.6  | 331.7  | 330.1  | 327.0  | 327.0  | 325.5  | 330.1  | 325.5  |
| 70°    | 282.3  | 282.3  | 282.3  | 282.3  | 283.8  | 285.4  | 282.3  | 279.2  | 280.8  | 277.7  | 276.1  |
| 72.5°  | 234.5  | 236.0  | 234.5  | 237.6  | 232.9  | 236.0  | 236.0  | 234.5  | 232.9  | 232.9  | 232.9  |
| 75°    | 189.7  | 192.8  | 188.2  | 189.7  | 188.2  | 191.3  | 189.7  | 189.7  | 186.7  | 185.1  | 186.7  |
| 77.5°  | 145.0  | 146.6  | 143.5  | 145.0  | 143.5  | 145.0  | 145.0  | 143.5  | 143.5  | 143.5  | 143.5  |
| 80°    | 103.4  | 104.9  | 103.4  | 101.8  | 100.3  | 103.4  | 100.3  | 101.8  | 103.4  | 101.8  | 104.9  |
| 82.5°  | 66.3   | 66.3   | 64.8   | 66.3   | 63.2   | 63.2   | 64.8   | 64.8   | 63.2   | 66.3   | 63.2   |
| 85°    | 32.4   | 32.4   | 35.5   | 32.4   | 30.9   | 30.9   | 30.9   | 32.4   | 30.9   | 33.9   | 32.4   |
| 87.5°  | 7.7    | 6.2    | 7.7    | 7.7    | 6.2    | 6.2    | 7.7    | 6.2    | 7.7    | 9.3    | 6.2    |
| 90°    | 17.5   | 17.7   | 18.0   | 18.3   | 18.6   | 18.9   | 18.6   | 18.3   | 18.0   | 17.7   | 17.5   |
| 92.5°  | 18.2   | 18.3   | 18.4   | 18.6   | 18.7   | 18.9   | 18.7   | 18.6   | 18.4   | 18.3   | 18.2   |
| 95°    | 30.9   | 30.8   | 30.7   | 30.5   | 30.4   | 30.2   | 30.4   | 30.5   | 30.7   | 30.8   | 30.9   |
| 97.5°  | 37.9   | 38.0   | 38.1   | 38.3   | 38.4   | 38.6   | 38.4   | 38.3   | 38.1   | 38.0   | 37.9   |
| 100°   | 45.6   | 45.8   | 46.1   | 46.4   | 46.7   | 47.0   | 46.7   | 46.4   | 46.1   | 45.8   | 45.6   |
| 102.5° | 49.1   | 49.3   | 49.8   | 50.3   | 50.7   | 51.2   | 50.7   | 50.3   | 49.8   | 49.3   | 49.1   |
| 105°   | 50.5   | 50.8   | 51.4   | 52.1   | 52.7   | 53.3   | 52.7   | 52.1   | 51.4   | 50.8   | 50.5   |
| 107.5° | 51.9   | 52.2   | 52.8   | 53.5   | 54.1   | 54.7   | 54.1   | 53.5   | 52.8   | 52.2   | 51.9   |
| 110°   | 52.6   | 52.9   | 53.5   | 54.2   | 54.8   | 55.4   | 54.8   | 54.2   | 53.5   | 52.9   | 52.6   |



TEST NUMBER: P997994

CATALOG NUMBER: SA2XXDIP-B1005D725UB35-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 54.0   | 54.2  | 54.7  | 55.2  | 55.6  | 56.1  | 55.6  | 55.2  | 54.7  | 54.2  | 54.0   |
| 115°   | 108.0  | 102.4 | 91.2  | 79.9  | 68.7  | 57.5  | 68.7  | 79.9  | 91.2  | 102.4 | 108.0  |
| 117.5° | 370.4  | 350.0 | 309.1 | 268.3 | 227.4 | 186.6 | 227.4 | 268.3 | 309.1 | 350.0 | 370.4  |
| 120°   | 522.6  | 512.1 | 491.0 | 470.0 | 448.9 | 427.9 | 448.9 | 470.0 | 491.0 | 512.1 | 522.6  |
| 122.5° | 559.8  | 559.9 | 560.0 | 560.2 | 560.3 | 560.5 | 560.3 | 560.2 | 560.0 | 559.9 | 559.8  |
| 125°   | 597.7  | 597.9 | 598.4 | 598.9 | 599.3 | 599.8 | 599.3 | 598.9 | 598.4 | 597.9 | 597.7  |
| 127.5° | 634.2  | 634.3 | 634.4 | 634.6 | 634.7 | 634.9 | 634.7 | 634.6 | 634.4 | 634.3 | 634.2  |
| 130°   | 667.9  | 667.8 | 667.7 | 667.5 | 667.4 | 667.2 | 667.4 | 667.5 | 667.7 | 667.8 | 667.9  |
| 132.5° | 699.4  | 699.3 | 699.2 | 699.0 | 698.9 | 698.7 | 698.9 | 699.0 | 699.2 | 699.3 | 699.4  |
| 135°   | 730.3  | 730.1 | 729.8 | 729.5 | 729.2 | 728.9 | 729.2 | 729.5 | 729.8 | 730.1 | 730.3  |
| 137.5° | 759.1  | 758.9 | 758.4 | 757.9 | 757.5 | 757.0 | 757.5 | 757.9 | 758.4 | 758.9 | 759.1  |
| 140°   | 786.4  | 786.0 | 785.2 | 784.5 | 783.7 | 782.9 | 783.7 | 784.5 | 785.2 | 786.0 | 786.4  |
| 142.5° | 811.7  | 811.3 | 810.5 | 809.8 | 809.0 | 808.2 | 809.0 | 809.8 | 810.5 | 811.3 | 811.7  |
| 145°   | 834.8  | 834.4 | 833.6 | 832.9 | 832.1 | 831.3 | 832.1 | 832.9 | 833.6 | 834.4 | 834.8  |
| 147.5° | 855.2  | 854.9 | 854.3 | 853.6 | 853.0 | 852.4 | 853.0 | 853.6 | 854.3 | 854.9 | 855.2  |
| 150°   | 874.8  | 874.4 | 873.6 | 872.9 | 872.1 | 871.3 | 872.1 | 872.9 | 873.6 | 874.4 | 874.8  |
| 152.5° | 892.4  | 891.8 | 890.7 | 889.6 | 888.5 | 887.4 | 888.5 | 889.6 | 890.7 | 891.8 | 892.4  |
| 155°   | 907.8  | 907.2 | 905.9 | 904.7 | 903.4 | 902.2 | 903.4 | 904.7 | 905.9 | 907.2 | 907.8  |
| 157.5° | 921.8  | 921.2 | 919.9 | 918.7 | 917.4 | 916.2 | 917.4 | 918.7 | 919.9 | 921.2 | 921.8  |
| 160°   | 933.0  | 932.5 | 931.4 | 930.3 | 929.2 | 928.1 | 929.2 | 930.3 | 931.4 | 932.5 | 933.0  |
| 162.5° | 944.3  | 943.6 | 942.2 | 940.8 | 939.4 | 938.0 | 939.4 | 940.8 | 942.2 | 943.6 | 944.3  |
| 165°   | 952.7  | 952.2 | 951.1 | 950.0 | 948.9 | 947.8 | 948.9 | 950.0 | 951.1 | 952.2 | 952.7  |
| 167.5° | 960.4  | 959.7 | 958.3 | 956.9 | 955.5 | 954.1 | 955.5 | 956.9 | 958.3 | 959.7 | 960.4  |
| 170°   | 966.0  | 965.3 | 963.9 | 962.5 | 961.1 | 959.7 | 961.1 | 962.5 | 963.9 | 965.3 | 966.0  |
| 172.5° | 970.2  | 969.5 | 968.1 | 966.7 | 965.3 | 963.9 | 965.3 | 966.7 | 968.1 | 969.5 | 970.2  |
| 175°   | 973.0  | 972.2 | 970.7 | 969.1 | 967.6 | 966.0 | 967.6 | 969.1 | 970.7 | 972.2 | 973.0  |
| 177.5° | 973.7  | 973.0 | 971.6 | 970.2 | 968.8 | 967.4 | 968.8 | 970.2 | 971.6 | 973.0 | 973.7  |
| 180°   | 969.5  | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5  |

TEST NUMBER: P997994

CATALOG NUMBER: SA2XXDIP-B1005D725UB35-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 |
| 2.5°   | 1905.2 | 1917.5 | 1912.9 | 1895.9 | 1916.0 | 1916.0 | 1929.8 | 1929.8 | 1946.8 | 1953.0 | 1962.2 |
| 5°     | 1797.2 | 1806.4 | 1814.1 | 1806.4 | 1820.3 | 1841.9 | 1854.3 | 1865.1 | 1888.2 | 1897.4 | 1911.3 |
| 7.5°   | 1681.5 | 1698.4 | 1706.2 | 1706.2 | 1729.3 | 1754.0 | 1778.7 | 1794.1 | 1826.5 | 1838.8 | 1852.7 |
| 10°    | 1568.9 | 1588.9 | 1604.3 | 1602.8 | 1641.4 | 1656.8 | 1687.6 | 1723.1 | 1755.5 | 1774.0 | 1794.1 |
| 12.5°  | 1450.1 | 1460.9 | 1482.5 | 1513.3 | 1522.6 | 1550.4 | 1585.8 | 1630.6 | 1689.2 | 1706.2 | 1735.5 |
| 15°    | 1351.4 | 1380.7 | 1397.6 | 1411.5 | 1433.1 | 1459.3 | 1497.9 | 1541.1 | 1599.7 | 1636.7 | 1667.6 |
| 17.5°  | 1268.1 | 1306.6 | 1317.4 | 1314.3 | 1342.1 | 1382.2 | 1426.9 | 1459.3 | 1511.8 | 1556.5 | 1585.8 |
| 20°    | 1200.2 | 1215.6 | 1234.1 | 1241.8 | 1263.4 | 1306.6 | 1349.8 | 1386.8 | 1430.0 | 1465.5 | 1499.4 |
| 22.5°  | 1132.3 | 1144.6 | 1160.1 | 1173.9 | 1190.9 | 1215.6 | 1257.3 | 1303.5 | 1345.2 | 1379.1 | 1417.7 |
| 25°    | 1076.8 | 1084.5 | 1098.4 | 1109.2 | 1127.7 | 1144.6 | 1173.9 | 1224.9 | 1274.2 | 1294.3 | 1328.2 |
| 27.5°  | 1022.8 | 1028.9 | 1038.2 | 1050.5 | 1059.8 | 1076.8 | 1103.0 | 1144.6 | 1195.5 | 1215.6 | 1261.9 |
| 30°    | 974.9  | 979.6  | 988.8  | 995.0  | 999.6  | 1019.7 | 1039.7 | 1072.1 | 1110.7 | 1138.5 | 1172.4 |
| 32.5°  | 930.2  | 934.8  | 944.1  | 945.6  | 951.8  | 962.6  | 981.1  | 1010.4 | 1044.4 | 1067.5 | 1096.8 |
| 35°    | 880.8  | 883.9  | 893.2  | 896.3  | 900.9  | 910.2  | 924.0  | 945.6  | 976.5  | 993.5  | 1019.7 |
| 37.5°  | 842.3  | 840.7  | 846.9  | 851.5  | 857.7  | 862.3  | 867.0  | 888.6  | 911.7  | 927.1  | 947.2  |
| 40°    | 800.6  | 797.5  | 799.1  | 805.3  | 808.3  | 814.5  | 814.5  | 836.1  | 851.5  | 863.9  | 879.3  |
| 42.5°  | 759.0  | 757.4  | 754.4  | 757.4  | 760.5  | 762.1  | 763.6  | 779.0  | 794.5  | 805.3  | 822.2  |
| 45°    | 717.3  | 715.8  | 712.7  | 714.2  | 714.2  | 717.3  | 722.0  | 728.1  | 738.9  | 748.2  | 757.4  |
| 47.5°  | 678.8  | 675.7  | 671.0  | 669.5  | 672.6  | 672.6  | 672.6  | 678.8  | 689.6  | 692.6  | 701.9  |
| 50°    | 638.7  | 634.0  | 627.9  | 624.8  | 624.8  | 623.2  | 626.3  | 627.9  | 637.1  | 640.2  | 647.9  |
| 52.5°  | 595.5  | 592.4  | 586.2  | 580.0  | 581.6  | 578.5  | 580.0  | 581.6  | 584.7  | 589.3  | 593.9  |
| 55°    | 552.3  | 546.1  | 541.5  | 539.9  | 535.3  | 535.3  | 530.7  | 536.8  | 535.3  | 536.8  | 543.0  |
| 57.5°  | 510.6  | 504.4  | 496.7  | 493.6  | 489.0  | 487.5  | 484.4  | 482.8  | 484.4  | 489.0  | 493.6  |
| 60°    | 461.2  | 458.2  | 453.5  | 448.9  | 445.8  | 441.2  | 438.1  | 438.1  | 436.6  | 436.6  | 438.1  |
| 62.5°  | 413.4  | 411.9  | 405.7  | 404.2  | 401.1  | 398.0  | 393.4  | 390.3  | 390.3  | 393.4  | 394.9  |
| 65°    | 367.1  | 365.6  | 361.0  | 359.4  | 351.7  | 348.6  | 347.1  | 345.6  | 342.5  | 342.5  | 342.5  |
| 67.5°  | 324.0  | 319.3  | 319.3  | 311.6  | 305.4  | 302.4  | 299.3  | 297.7  | 297.7  | 297.7  | 299.3  |
| 70°    | 276.1  | 276.1  | 271.5  | 266.9  | 260.7  | 262.2  | 257.6  | 253.0  | 253.0  | 249.9  | 251.5  |
| 72.5°  | 229.9  | 228.3  | 223.7  | 222.1  | 217.5  | 212.9  | 209.8  | 212.9  | 208.3  | 206.7  | 208.3  |
| 75°    | 185.1  | 183.6  | 180.5  | 177.4  | 178.9  | 174.3  | 169.7  | 168.1  | 168.1  | 165.1  | 165.1  |
| 77.5°  | 141.9  | 145.0  | 138.8  | 137.3  | 134.2  | 131.1  | 129.6  | 128.0  | 128.0  | 128.0  | 131.1  |
| 80°    | 98.7   | 100.3  | 100.3  | 97.2   | 98.7   | 94.1   | 94.1   | 94.1   | 89.5   | 91.0   | 92.6   |
| 82.5°  | 63.2   | 63.2   | 61.7   | 63.2   | 61.7   | 61.7   | 60.2   | 60.2   | 58.6   | 58.6   | 60.2   |
| 85°    | 35.5   | 33.9   | 32.4   | 35.5   | 33.9   | 33.9   | 32.4   | 32.4   | 32.4   | 32.4   | 32.4   |
| 87.5°  | 7.7    | 9.3    | 9.3    | 9.3    | 9.3    | 10.8   | 10.8   | 10.8   | 12.3   | 12.3   | 12.3   |
| 90°    | 17.1   | 16.3   | 15.6   | 14.8   | 14.0   | 12.8   | 11.5   | 10.3   | 9.0    | 8.4    | 7.5    |
| 92.5°  | 18.0   | 17.7   | 17.4   | 17.1   | 16.8   | 16.3   | 15.9   | 15.4   | 14.9   | 14.7   | 15.0   |
| 95°    | 30.5   | 29.7   | 29.0   | 28.2   | 27.4   | 26.3   | 25.2   | 24.1   | 23.0   | 22.4   | 25.0   |
| 97.5°  | 37.7   | 37.2   | 36.7   | 36.3   | 35.8   | 33.3   | 30.8   | 28.3   | 25.8   | 24.6   | 31.0   |
| 100°   | 45.0   | 43.7   | 42.5   | 41.2   | 40.0   | 37.4   | 34.7   | 32.1   | 29.4   | 28.1   | 38.8   |
| 102.5° | 48.2   | 46.5   | 44.8   | 43.1   | 41.4   | 69.8   | 98.2   | 126.5  | 154.9  | 169.1  | 169.3  |
| 105°   | 49.6   | 47.9   | 46.2   | 44.5   | 42.8   | 85.4   | 127.9  | 170.5  | 213.0  | 234.3  | 232.0  |
| 107.5° | 51.0   | 49.3   | 47.6   | 45.9   | 44.2   | 96.7   | 149.3  | 201.8  | 254.3  | 280.6  | 278.7  |
| 110°   | 60.4   | 76.0   | 91.6   | 107.2  | 122.8  | 167.8  | 212.9  | 257.9  | 303.0  | 325.5  | 323.9  |

TEST NUMBER: P997994

CATALOG NUMBER: SA2XXDIP-B1005D725UB35-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 87.6  | 154.8 | 222.0 | 289.2 | 356.4 | 359.0 | 361.7 | 364.3 | 367.0 | 368.3  | 366.9 |
| 115°   | 144.1 | 216.3 | 288.4 | 360.6 | 432.8 | 428.9 | 425.0 | 421.1 | 417.2 | 415.3  | 414.0 |
| 117.5° | 381.5 | 403.8 | 426.1 | 448.4 | 470.7 | 468.1 | 465.4 | 462.8 | 460.1 | 458.8  | 457.2 |
| 120°   | 521.7 | 519.8 | 517.9 | 516.1 | 514.2 | 511.4 | 508.6 | 505.8 | 503.0 | 501.6  | 500.4 |
| 122.5° | 559.3 | 558.4 | 557.5 | 556.5 | 555.6 | 552.5 | 549.4 | 546.3 | 543.2 | 541.6  | 540.4 |
| 125°   | 597.2 | 596.1 | 595.0 | 593.9 | 592.8 | 589.8 | 586.9 | 583.9 | 581.0 | 579.5  | 578.5 |
| 127.5° | 633.4 | 631.9 | 630.3 | 628.8 | 627.2 | 624.8 | 622.5 | 620.1 | 617.8 | 616.6  | 615.5 |
| 130°   | 667.0 | 665.3 | 663.6 | 661.8 | 660.1 | 658.4 | 656.7 | 655.0 | 653.3 | 652.4  | 651.2 |
| 132.5° | 698.7 | 697.3 | 695.9 | 694.5 | 693.1 | 691.4 | 689.7 | 688.0 | 686.3 | 685.4  | 684.4 |
| 135°   | 729.5 | 728.0 | 726.4 | 724.9 | 723.3 | 721.9 | 720.5 | 719.1 | 717.7 | 717.0  | 715.7 |
| 137.5° | 758.3 | 756.7 | 755.2 | 753.6 | 752.0 | 750.4 | 748.9 | 747.3 | 745.8 | 745.0  | 744.1 |
| 140°   | 785.7 | 784.3 | 782.9 | 781.5 | 780.1 | 778.4 | 776.7 | 775.0 | 773.3 | 772.4  | 771.8 |
| 142.5° | 811.1 | 809.8 | 808.6 | 807.3 | 806.1 | 804.1 | 802.0 | 800.0 | 797.9 | 796.9  | 796.4 |
| 145°   | 834.3 | 833.2 | 832.1 | 831.0 | 829.9 | 827.3 | 824.6 | 822.0 | 819.3 | 818.0  | 818.1 |
| 147.5° | 854.8 | 854.0 | 853.3 | 852.5 | 851.7 | 849.0 | 846.4 | 843.7 | 841.0 | 839.7  | 839.9 |
| 150°   | 874.3 | 873.4 | 872.5 | 871.5 | 870.6 | 868.1 | 865.6 | 863.1 | 860.6 | 859.4  | 859.9 |
| 152.5° | 891.9 | 891.0 | 890.0 | 889.1 | 888.1 | 885.8 | 883.4 | 881.1 | 878.8 | 877.6  | 878.2 |
| 155°   | 907.3 | 906.4 | 905.5 | 904.5 | 903.6 | 901.7 | 899.9 | 898.0 | 896.1 | 895.2  | 895.9 |
| 157.5° | 921.3 | 920.2 | 919.1 | 918.0 | 916.9 | 915.5 | 914.1 | 912.7 | 911.3 | 910.6  | 911.2 |
| 160°   | 932.5 | 931.6 | 930.7 | 929.7 | 928.8 | 927.9 | 926.9 | 926.0 | 925.1 | 924.6  | 925.1 |
| 162.5° | 943.8 | 942.7 | 941.6 | 940.5 | 939.4 | 938.6 | 937.8 | 937.0 | 936.2 | 935.8  | 936.3 |
| 165°   | 952.2 | 951.1 | 950.0 | 948.9 | 947.8 | 947.3 | 946.9 | 946.4 | 945.9 | 945.7  | 946.2 |
| 167.5° | 959.9 | 958.8 | 957.7 | 956.6 | 955.5 | 955.0 | 954.6 | 954.1 | 953.6 | 953.4  | 953.9 |
| 170°   | 965.5 | 964.4 | 963.3 | 962.2 | 961.1 | 960.8 | 960.5 | 960.2 | 959.9 | 959.7  | 960.2 |
| 172.5° | 969.7 | 968.6 | 967.5 | 966.4 | 965.3 | 965.0 | 964.7 | 964.4 | 964.1 | 963.9  | 964.4 |
| 175°   | 972.5 | 971.4 | 970.3 | 969.2 | 968.1 | 967.8 | 967.5 | 967.2 | 966.9 | 966.7  | 967.2 |
| 177.5° | 973.2 | 972.1 | 971.0 | 969.9 | 968.8 | 968.6 | 968.5 | 968.3 | 968.2 | 968.1  | 968.6 |
| 180°   | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5 | 969.5  | 969.5 |

TEST NUMBER: P997994

CATALOG NUMBER: SA2XXDIP-B1005D725UB35-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 2007.0 | 2007.0 | 2007.0 | 2007.0 |
| 2.5°   | 1970.0 | 1970.0 | 1993.1 | 2017.8 |
| 5°     | 1926.8 | 1937.6 | 1974.6 | 2008.5 |
| 7.5°   | 1885.1 | 1903.6 | 1949.9 | 1993.1 |
| 10°    | 1834.2 | 1858.9 | 1916.0 | 1966.9 |
| 12.5°  | 1784.8 | 1808.0 | 1874.3 | 1931.4 |
| 15°    | 1715.4 | 1744.7 | 1815.7 | 1886.6 |
| 17.5°  | 1646.0 | 1675.3 | 1761.7 | 1845.0 |
| 20°    | 1564.2 | 1602.8 | 1700.0 | 1811.1 |
| 22.5°  | 1488.6 | 1536.5 | 1644.5 | 1733.9 |
| 25°    | 1405.3 | 1479.4 | 1579.7 | 1695.4 |
| 27.5°  | 1331.3 | 1405.3 | 1507.2 | 1624.4 |
| 30°    | 1248.0 | 1323.6 | 1428.5 | 1536.5 |
| 32.5°  | 1167.8 | 1237.2 | 1339.0 | 1471.7 |
| 35°    | 1084.5 | 1150.8 | 1249.5 | 1383.7 |
| 37.5°  | 1008.9 | 1073.7 | 1181.7 | 1305.1 |
| 40°    | 934.8  | 1002.7 | 1095.3 | 1218.7 |
| 42.5°  | 865.4  | 925.6  | 1008.9 | 1132.3 |
| 45°    | 802.2  | 845.4  | 922.5  | 1038.2 |
| 47.5°  | 735.8  | 774.4  | 845.4  | 961.1  |
| 50°    | 674.1  | 706.5  | 768.2  | 876.2  |
| 52.5°  | 614.0  | 641.7  | 698.8  | 785.2  |
| 55°    | 560.0  | 586.2  | 627.9  | 712.7  |
| 57.5°  | 504.4  | 524.5  | 564.6  | 632.5  |
| 60°    | 450.5  | 469.0  | 501.4  | 556.9  |
| 62.5°  | 396.5  | 411.9  | 442.7  | 487.5  |
| 65°    | 348.6  | 361.0  | 384.1  | 422.7  |
| 67.5°  | 302.4  | 310.1  | 328.6  | 359.4  |
| 70°    | 257.6  | 263.8  | 279.2  | 303.9  |
| 72.5°  | 209.8  | 216.0  | 232.9  | 249.9  |
| 75°    | 169.7  | 171.2  | 183.6  | 197.5  |
| 77.5°  | 132.7  | 131.1  | 140.4  | 151.2  |
| 80°    | 91.0   | 95.6   | 103.4  | 108.0  |
| 82.5°  | 61.7   | 63.2   | 66.3   | 69.4   |
| 85°    | 33.9   | 35.5   | 35.5   | 40.1   |
| 87.5°  | 13.9   | 15.4   | 15.4   | 17.0   |
| 90°    | 5.8    | 4.1    | 2.4    | 0.7    |
| 92.5°  | 15.6   | 16.3   | 16.9   | 17.5   |
| 95°    | 30.1   | 35.3   | 40.4   | 45.6   |
| 97.5°  | 43.8   | 56.5   | 69.3   | 82.1   |
| 100°   | 60.1   | 81.5   | 102.8  | 124.2  |
| 102.5° | 169.6  | 169.9  | 170.2  | 170.5  |
| 105°   | 227.3  | 222.6  | 218.0  | 213.3  |
| 107.5° | 274.8  | 270.9  | 267.0  | 263.1  |
| 110°   | 320.6  | 317.3  | 314.1  | 310.8  |



TEST NUMBER: P997994

CATALOG NUMBER: SA2XXDIP-B1005D725UB35-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 364.1 | 361.3 | 358.5 | 355.7 |
| 115°   | 411.3 | 408.7 | 406.0 | 403.4 |
| 117.5° | 454.1 | 451.0 | 447.9 | 444.8 |
| 120°   | 498.1 | 495.8 | 493.4 | 491.1 |
| 122.5° | 537.9 | 535.4 | 532.9 | 530.4 |
| 125°   | 576.4 | 574.4 | 572.3 | 570.3 |
| 127.5° | 613.3 | 611.2 | 609.0 | 606.8 |
| 130°   | 648.7 | 646.2 | 643.7 | 641.2 |
| 132.5° | 682.4 | 680.3 | 678.3 | 676.3 |
| 135°   | 713.2 | 710.7 | 708.2 | 705.7 |
| 137.5° | 742.2 | 740.3 | 738.5 | 736.6 |
| 140°   | 770.5 | 769.3 | 768.0 | 766.8 |
| 142.5° | 795.3 | 794.2 | 793.1 | 792.0 |
| 145°   | 818.2 | 818.4 | 818.5 | 818.7 |
| 147.5° | 840.4 | 840.9 | 841.3 | 841.8 |
| 150°   | 861.0 | 862.1 | 863.2 | 864.3 |
| 152.5° | 879.5 | 880.7 | 882.0 | 883.2 |
| 155°   | 897.3 | 898.7 | 900.1 | 901.5 |
| 157.5° | 912.5 | 913.7 | 915.0 | 916.2 |
| 160°   | 926.0 | 926.9 | 927.9 | 928.8 |
| 162.5° | 937.2 | 938.2 | 939.1 | 940.1 |
| 165°   | 947.1 | 948.0 | 949.0 | 949.9 |
| 167.5° | 954.8 | 955.7 | 956.7 | 957.6 |
| 170°   | 961.1 | 962.0 | 963.0 | 963.9 |
| 172.5° | 965.3 | 966.2 | 967.2 | 968.1 |
| 175°   | 968.3 | 969.4 | 970.5 | 971.6 |
| 177.5° | 969.7 | 970.8 | 971.9 | 973.0 |
| 180°   | 969.5 | 969.5 | 969.5 | 969.5 |

TEST NUMBER: P997994

CATALOG NUMBER: SA2XXDIP-B1005D725UB35-4F0-XX-W2A-A

**CIE UGR TABLE:**

| Reflectances:   |      |                  |       |       |       |       |                |       |       |       |       |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling         |      | 0.7              | 0.7   | 0.5   | 0.5   | 0.3   | 0.7            | 0.7   | 0.5   | 0.5   | 0.3   |
| Wall            |      | 0.5              | 0.3   | 0.5   | 0.3   | 0.3   | 0.5            | 0.3   | 0.5   | 0.3   | 0.3   |
| Reference plane |      | 0.2              | 0.2   | 0.2   | 0.2   | 0.2   | 0.2            | 0.2   | 0.2   | 0.2   | 0.2   |
| Room dimensions |      | Viewed crosswise |       |       |       |       | Viewed endwise |       |       |       |       |
| X=2H            | Y=2H | 18.82            | 19.75 | 19.69 | 20.63 | 21.74 | 16.32          | 17.24 | 17.18 | 18.12 | 19.23 |
|                 | 3H   | 19.64            | 20.47 | 20.52 | 21.36 | 22.49 | 17.67          | 18.49 | 18.54 | 19.38 | 20.52 |
|                 | 4H   | 19.81            | 20.59 | 20.70 | 21.49 | 22.64 | 18.13          | 18.91 | 19.02 | 19.81 | 20.96 |
|                 | 6H   | 19.86            | 20.58 | 20.76 | 21.48 | 22.64 | 18.44          | 19.16 | 19.35 | 20.06 | 21.22 |
|                 | 8H   | 19.84            | 20.52 | 20.75 | 21.45 | 22.60 | 18.53          | 19.21 | 19.44 | 20.13 | 21.29 |
|                 | 12H  | 19.81            | 20.46 | 20.72 | 21.37 | 22.55 | 18.57          | 19.22 | 19.49 | 20.14 | 21.32 |
| 4H              | 2H   | 18.87            | 19.65 | 19.77 | 20.55 | 21.70 | 16.77          | 17.55 | 17.67 | 18.45 | 19.59 |
|                 | 3H   | 19.86            | 20.51 | 20.77 | 21.44 | 22.60 | 18.24          | 18.89 | 19.15 | 19.81 | 20.97 |
|                 | 4H   | 20.14            | 20.73 | 21.06 | 21.65 | 22.84 | 18.77          | 19.36 | 19.69 | 20.29 | 21.48 |
|                 | 6H   | 20.27            | 20.78 | 21.21 | 21.73 | 22.92 | 19.16          | 19.67 | 20.09 | 20.61 | 21.80 |
|                 | 8H   | 20.27            | 20.75 | 21.21 | 21.69 | 22.89 | 19.27          | 19.74 | 20.20 | 20.69 | 21.89 |
|                 | 12H  | 20.24            | 20.67 | 21.19 | 21.63 | 22.83 | 19.33          | 19.76 | 20.28 | 20.72 | 21.92 |
| 8H              | 4H   | 20.15            | 20.63 | 21.09 | 21.57 | 22.77 | 18.92          | 19.40 | 19.86 | 20.34 | 21.54 |
|                 | 6H   | 20.33            | 20.72 | 21.29 | 21.71 | 22.91 | 19.36          | 19.75 | 20.32 | 20.73 | 21.93 |
|                 | 8H   | 20.36            | 20.71 | 21.33 | 21.68 | 22.90 | 19.51          | 19.85 | 20.48 | 20.83 | 22.05 |
|                 | 12H  | 20.35            | 20.66 | 21.32 | 21.62 | 22.89 | 19.60          | 19.91 | 20.58 | 20.87 | 22.14 |
| 12H             | 4H   | 20.11            | 20.54 | 21.07 | 21.50 | 22.70 | 18.90          | 19.33 | 19.85 | 20.29 | 21.49 |
|                 | 6H   | 20.31            | 20.66 | 21.28 | 21.63 | 22.85 | 19.36          | 19.70 | 20.33 | 20.68 | 21.90 |
|                 | 8H   | 20.35            | 20.65 | 21.32 | 21.62 | 22.88 | 19.52          | 19.82 | 20.49 | 20.79 | 22.06 |