

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: P998413

Luminaire Tested: SA2XXDIP-B485D1080UB35-4F0-XX-W2A-A4

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P998413  
REPORT IS A COMBINATION OF REPORTS P984153 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: SA2XXDIP-B485D1080UB35-4F0-XX-W2A-A4  
Description: Define 2 Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}  
Light Source: -  
Ballast/Driver: -

**Summary**

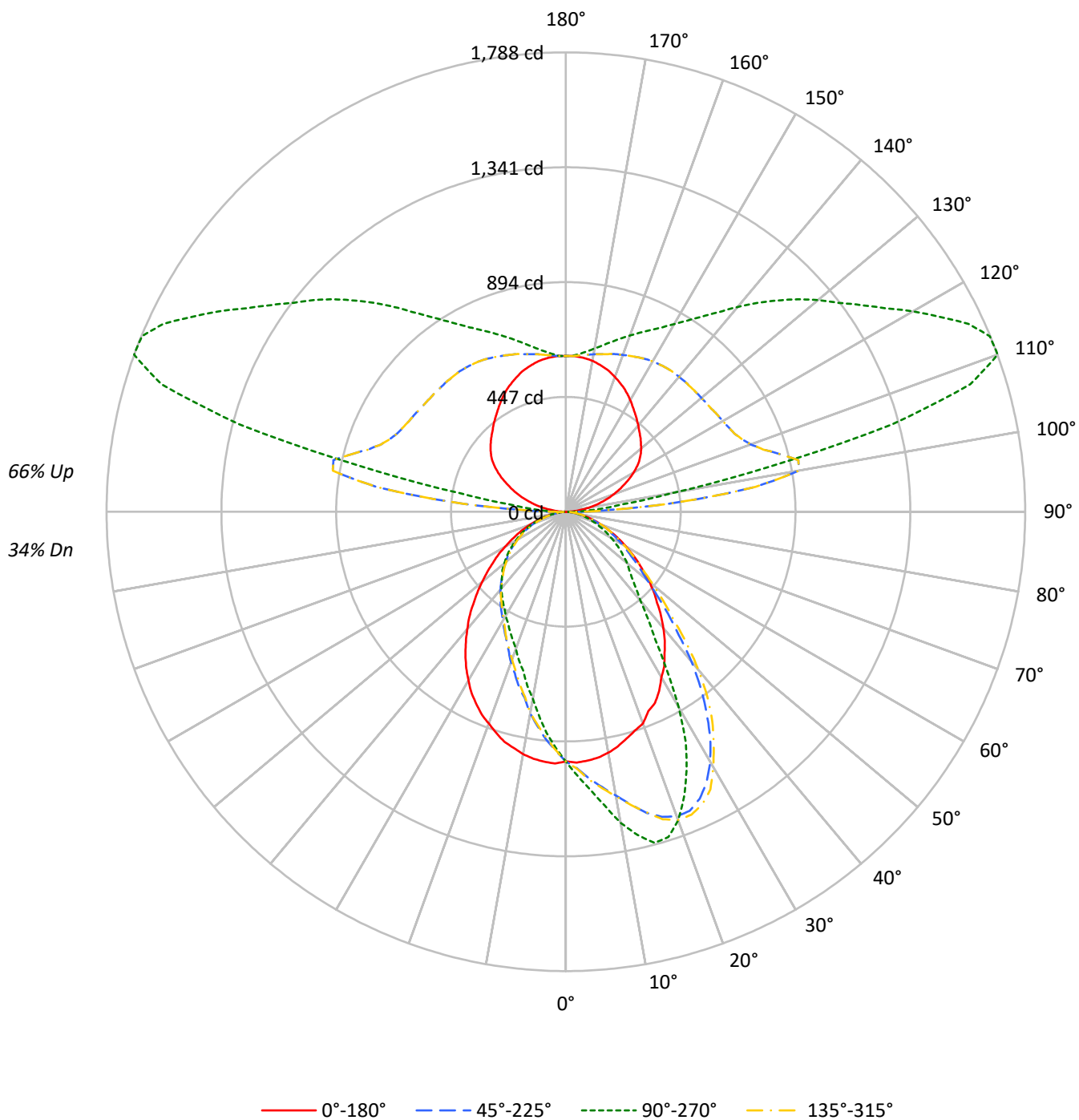
Lumens per Lamp: N/A  
Luminaire Lumens: 6370.0 lumens  
Efficiency: N/A  
Efficacy: 108.0 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')  
CIE Type: Semi-Indirect

Input Watts (W): 59  
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: P998413

CATALOG NUMBER: SA2XXDIP-B485D1080UB35-4F0-XX-W2A-A4

### Luminous Intensity Polar Plot



TEST NUMBER: P998413

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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   | 103 | 103 | 103 | 103 | 93 | 93 | 93 | 93 | 74 | 74 | 74 | 57 | 57 | 57 | 41 | 41 | 41 |
| 1   | 94  | 90  | 87  | 83  | 85 | 82 | 79 | 76 | 65 | 63 | 61 | 51 | 49 | 48 | 37 | 36 | 35 |
| 2   | 86  | 79  | 73  | 69  | 78 | 72 | 67 | 63 | 58 | 54 | 51 | 45 | 43 | 41 | 33 | 31 | 30 |
| 3   | 79  | 70  | 63  | 57  | 71 | 63 | 57 | 53 | 51 | 47 | 44 | 40 | 37 | 35 | 29 | 28 | 26 |
| 4   | 72  | 62  | 54  | 49  | 65 | 56 | 50 | 45 | 46 | 41 | 37 | 36 | 32 | 30 | 26 | 24 | 23 |
| 5   | 66  | 55  | 48  | 42  | 60 | 50 | 44 | 39 | 41 | 36 | 32 | 32 | 29 | 26 | 24 | 22 | 20 |
| 6   | 61  | 50  | 42  | 36  | 55 | 45 | 38 | 34 | 37 | 32 | 28 | 29 | 26 | 23 | 22 | 20 | 18 |
| 7   | 57  | 45  | 37  | 32  | 51 | 41 | 34 | 30 | 33 | 29 | 25 | 27 | 23 | 20 | 20 | 18 | 16 |
| 8   | 52  | 41  | 33  | 28  | 47 | 37 | 31 | 26 | 31 | 26 | 22 | 24 | 21 | 18 | 18 | 16 | 14 |
| 9   | 49  | 37  | 30  | 25  | 44 | 34 | 28 | 23 | 28 | 23 | 20 | 22 | 19 | 16 | 17 | 15 | 13 |
| 10  | 46  | 34  | 27  | 22  | 41 | 31 | 25 | 21 | 26 | 21 | 18 | 21 | 17 | 15 | 16 | 14 | 12 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 15383 | 15383 | 15383 | 15383 |
| 5°  | 15419 | 16401 | 15478 | 13049 |
| 10° | 15240 | 17905 | 15336 | 10758 |
| 15° | 14871 | 18885 | 15077 | 9062  |
| 20° | 14638 | 17732 | 14638 | 7877  |
| 25° | 14172 | 15233 | 14236 | 7044  |
| 30° | 13404 | 11974 | 13659 | 6380  |
| 35° | 12724 | 8280  | 12937 | 5837  |
| 40° | 11943 | 6252  | 12079 | 5404  |
| 45° | 10979 | 5138  | 11158 | 4937  |
| 50° | 10147 | 4510  | 10163 | 4520  |
| 55° | 9196  | 3842  | 9254  | 4066  |
| 60° | 8181  | 3210  | 8296  | 3549  |
| 65° | 7277  | 2610  | 7408  | 3031  |
| 70° | 6370  | 2049  | 6535  | 2445  |
| 75° | 5348  | 1487  | 5555  | 1772  |
| 80° | 4176  | 942   | 4471  | 1051  |
| 85° | 2740  | 475   | 2952  | 350   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 15901 cd/sqm

TEST NUMBER: P998413

CATALOG NUMBER: SA2XXDIP-B485D1080UB35-4F0-XX-W2A-A4

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 92.6   | 1.5       |
| 10°-20°   | 269.4  | 4.2       |
| 20°-30°   | 391.0  | 6.1       |
| 30°-40°   | 412.2  | 6.5       |
| 40°-50°   | 364.7  | 5.7       |
| 50°-60°   | 291.2  | 4.6       |
| 60°-70°   | 197.8  | 3.1       |
| 70°-80°   | 101.2  | 1.6       |
| 80°-90°   | 27.8   | 0.4       |
| 90°-100°  | 236.3  | 3.7       |
| 100°-110° | 832.3  | 13.1      |
| 110°-120° | 874.1  | 13.7      |
| 120°-130° | 719.1  | 11.3      |
| 130°-140° | 577.7  | 9.1       |
| 140°-150° | 436.4  | 6.9       |
| 150°-160° | 306.8  | 4.8       |
| 160°-170° | 180.6  | 2.8       |
| 170°-180° | 58.7   | 0.9       |
| 0°-30°    | 752.9  | 11.8      |
| 0°-40°    | 1165.1 | 18.3      |
| 0°-60°    | 1821.1 | 28.6      |
| 0°-90°    | 2147.9 | 33.7      |
| 90°-120°  | 1942.8 | 30.5      |
| 90°-150°  | 3676.0 | 57.7      |
| 90°-180°  | 4222.0 | 66.3      |
| 0°-180°   | 6370.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 90°  | 180° | 270° | 360° | Flux |
|------|-----|------|------|------|------|------|
| 0°   | 972 | 972  | 972  | 972  | 972  |      |
| 5°   | 972 | 1085 | 976  | 864  | 972  | 92   |
| 15°  | 914 | 1334 | 926  | 640  | 914  | 258  |
| 25°  | 821 | 1111 | 825  | 514  | 821  | 375  |
| 35°  | 670 | 605  | 681  | 426  | 670  | 419  |
| 45°  | 503 | 364  | 511  | 350  | 503  | 390  |
| 55°  | 345 | 256  | 347  | 271  | 345  | 308  |
| 65°  | 205 | 158  | 208  | 183  | 205  | 203  |
| 75°  | 96  | 78   | 99   | 93   | 96   | 103  |
| 85°  | 19  | 20   | 21   | 15   | 19   | 23   |
| 90°  | 1   | 38   | 1    | 38   | 1    | 4    |
| 95°  | 41  | 133  | 41   | 133  | 41   | 42   |
| 105° | 142 | 1314 | 142  | 1314 | 142  | 151  |
| 115° | 251 | 1729 | 251  | 1729 | 251  | 249  |
| 125° | 350 | 1403 | 350  | 1403 | 350  | 311  |
| 135° | 410 | 1162 | 410  | 1162 | 410  | 317  |
| 145° | 469 | 928  | 469  | 928  | 469  | 294  |
| 155° | 533 | 780  | 533  | 780  | 533  | 245  |
| 165° | 581 | 684  | 581  | 684  | 581  | 164  |
| 175° | 605 | 617  | 605  | 617  | 605  | 57   |
| 180° | 606 | 606  | 606  | 606  | 606  |      |

TEST NUMBER: P998413

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 971.8 | 971.8 | 971.8 | 971.8  | 971.8  | 971.8  | 971.8  | 971.8  | 971.8  | 971.8  | 971.8  |
| 2.5°   | 977.0 | 979.2 | 983.0 | 983.7  | 991.2  | 997.2  | 1003.9 | 1003.9 | 1006.1 | 1005.4 | 999.4  |
| 5°     | 972.5 | 979.2 | 988.9 | 997.2  | 1010.6 | 1016.6 | 1025.5 | 1032.3 | 1038.2 | 1042.7 | 1042.0 |
| 7.5°   | 965.0 | 977.0 | 991.2 | 1006.9 | 1024.8 | 1035.3 | 1047.9 | 1059.9 | 1068.1 | 1075.6 | 1080.8 |
| 10°    | 952.3 | 972.5 | 991.9 | 1012.8 | 1036.0 | 1050.2 | 1065.1 | 1080.8 | 1093.5 | 1107.7 | 1121.1 |
| 12.5°  | 935.2 | 964.3 | 988.2 | 1015.8 | 1044.2 | 1059.9 | 1083.8 | 1095.8 | 1120.4 | 1156.3 | 1166.0 |
| 15°    | 913.5 | 953.1 | 975.5 | 1010.6 | 1047.9 | 1060.6 | 1093.5 | 1112.9 | 1163.7 | 1186.1 | 1213.0 |
| 17.5°  | 893.3 | 937.4 | 967.3 | 1007.6 | 1044.2 | 1068.9 | 1101.0 | 1140.6 | 1183.1 | 1215.3 | 1245.1 |
| 20°    | 876.9 | 919.5 | 955.3 | 1000.1 | 1046.5 | 1077.8 | 1111.4 | 1159.2 | 1205.6 | 1238.4 | 1261.6 |
| 22.5°  | 839.6 | 894.1 | 935.9 | 986.0  | 1042.0 | 1085.3 | 1117.4 | 1169.7 | 1219.7 | 1239.9 | 1260.1 |
| 25°    | 820.9 | 867.9 | 916.5 | 973.3  | 1039.0 | 1090.5 | 1118.2 | 1176.4 | 1220.5 | 1228.0 | 1232.4 |
| 27.5°  | 786.5 | 839.6 | 896.3 | 961.3  | 1038.2 | 1081.6 | 1116.7 | 1169.7 | 1204.8 | 1199.6 | 1186.1 |
| 30°    | 743.9 | 808.9 | 871.7 | 941.9  | 1027.8 | 1074.8 | 1107.7 | 1156.3 | 1174.2 | 1147.3 | 1123.4 |
| 32.5°  | 712.6 | 773.8 | 843.3 | 924.7  | 1015.8 | 1060.6 | 1092.8 | 1130.9 | 1134.6 | 1086.0 | 1045.7 |
| 35°    | 670.0 | 738.0 | 816.4 | 902.3  | 995.7  | 1036.0 | 1065.9 | 1089.0 | 1071.1 | 1003.1 | 955.3  |
| 37.5°  | 631.9 | 699.1 | 782.8 | 870.2  | 968.0  | 1007.6 | 1031.5 | 1035.3 | 991.2  | 931.4  | 861.2  |
| 40°    | 590.1 | 659.5 | 746.9 | 838.8  | 937.4  | 971.8  | 986.7  | 975.5  | 912.0  | 842.5  | 761.1  |
| 42.5°  | 548.2 | 617.0 | 711.1 | 805.2  | 898.6  | 927.7  | 933.7  | 903.0  | 825.4  | 743.9  | 649.8  |
| 45°    | 502.7 | 574.4 | 668.5 | 763.4  | 853.7  | 870.2  | 870.9  | 826.9  | 735.0  | 649.8  | 562.4  |
| 47.5°  | 465.3 | 531.8 | 625.2 | 720.0  | 796.2  | 807.4  | 803.0  | 752.2  | 652.1  | 556.5  | 480.3  |
| 50°    | 424.3 | 487.7 | 580.4 | 673.7  | 738.7  | 741.7  | 730.5  | 658.0  | 560.2  | 472.8  | 412.3  |
| 52.5°  | 380.2 | 444.4 | 529.6 | 619.2  | 677.5  | 673.0  | 651.3  | 573.6  | 481.8  | 409.3  | 363.0  |
| 55°    | 345.1 | 401.9 | 481.8 | 569.2  | 610.2  | 597.5  | 573.6  | 494.5  | 422.0  | 360.8  | 320.4  |
| 57.5°  | 306.2 | 356.3 | 434.7 | 510.9  | 534.8  | 522.9  | 499.0  | 425.0  | 357.8  | 311.5  | 284.6  |
| 60°    | 269.6 | 315.2 | 383.9 | 447.4  | 466.1  | 453.4  | 425.8  | 359.3  | 310.7  | 271.9  | 251.7  |
| 62.5°  | 236.0 | 275.6 | 333.1 | 391.4  | 398.9  | 386.2  | 362.3  | 308.5  | 266.7  | 236.0  | 221.1  |
| 65°    | 204.7 | 242.0 | 288.3 | 332.4  | 339.1  | 325.7  | 301.0  | 262.2  | 227.1  | 207.6  | 193.5  |
| 67.5°  | 174.0 | 203.9 | 245.0 | 277.1  | 280.8  | 268.1  | 248.0  | 216.6  | 194.9  | 174.0  | 163.6  |
| 70°    | 147.1 | 169.6 | 201.7 | 227.8  | 229.3  | 217.4  | 206.9  | 178.5  | 162.1  | 147.1  | 138.9  |
| 72.5°  | 121.0 | 136.7 | 161.3 | 180.8  | 181.5  | 174.0  | 164.3  | 146.4  | 132.2  | 121.8  | 113.5  |
| 75°    | 95.6  | 109.1 | 124.0 | 141.2  | 140.4  | 134.4  | 127.0  | 115.8  | 103.8  | 97.1   | 93.4   |
| 77.5°  | 73.2  | 81.4  | 93.4  | 104.6  | 104.6  | 101.6  | 97.1   | 88.9   | 81.4   | 74.7   | 71.0   |
| 80°    | 52.3  | 57.5  | 67.2  | 71.0   | 72.5   | 71.7   | 68.0   | 62.0   | 59.0   | 53.8   | 52.3   |
| 82.5°  | 33.6  | 37.3  | 41.8  | 45.6   | 47.8   | 46.3   | 45.6   | 42.6   | 38.1   | 36.6   | 35.1   |
| 85°    | 19.4  | 20.9  | 23.2  | 25.4   | 26.1   | 25.4   | 26.9   | 24.6   | 22.4   | 22.4   | 21.7   |
| 87.5°  | 8.2   | 9.0   | 10.5  | 10.5   | 11.2   | 11.2   | 10.5   | 11.2   | 11.2   | 10.5   | 9.7    |
| 90°    | 1.2   | 4.7   | 9.3   | 11.7   | 14.0   | 15.8   | 17.5   | 23.3   | 31.5   | 38.5   | 39.6   |
| 92.5°  | 17.5  | 24.5  | 33.8  | 39.6   | 49.0   | 55.4   | 61.8   | 93.3   | 137.6  | 177.2  | 179.6  |
| 95°    | 40.8  | 45.5  | 57.1  | 67.6   | 86.3   | 100.3  | 114.3  | 167.9  | 269.3  | 404.6  | 457.0  |
| 97.5°  | 60.6  | 67.6  | 80.4  | 95.6   | 116.6  | 132.4  | 148.1  | 216.9  | 357.9  | 576.0  | 745.0  |
| 100°   | 89.8  | 93.3  | 103.8 | 122.4  | 145.7  | 162.0  | 178.4  | 240.2  | 382.4  | 634.3  | 921.1  |
| 102.5° | 116.6 | 118.9 | 129.4 | 148.1  | 172.6  | 188.9  | 205.2  | 261.2  | 383.6  | 612.1  | 926.9  |
| 105°   | 142.2 | 146.9 | 155.1 | 172.6  | 198.2  | 214.6  | 230.9  | 285.6  | 389.4  | 581.8  | 863.9  |
| 107.5° | 170.2 | 173.7 | 181.9 | 198.2  | 223.9  | 240.2  | 256.5  | 310.1  | 402.2  | 565.5  | 805.6  |
| 110°   | 198.2 | 202.9 | 209.9 | 225.0  | 249.5  | 266.4  | 283.3  | 334.6  | 418.6  | 560.8  | 766.0  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 223.9 | 228.5 | 236.7 | 250.7 | 274.0 | 291.5 | 309.0 | 357.9 | 436.1 | 562.0 | 740.4 |
| 115°   | 250.7 | 256.5 | 263.5 | 277.5 | 300.8 | 316.6 | 332.3 | 382.4 | 453.5 | 566.6 | 722.9 |
| 117.5° | 278.7 | 283.3 | 290.3 | 303.1 | 325.3 | 341.6 | 357.9 | 404.6 | 472.2 | 573.6 | 713.5 |
| 120°   | 304.3 | 309.0 | 316.0 | 326.5 | 349.8 | 366.1 | 382.4 | 427.9 | 490.8 | 580.6 | 705.4 |
| 122.5° | 328.8 | 332.3 | 339.3 | 350.9 | 374.3 | 391.2 | 408.1 | 450.0 | 507.2 | 588.8 | 700.7 |
| 125°   | 349.8 | 353.3 | 360.3 | 374.3 | 397.6 | 413.9 | 430.2 | 472.2 | 524.7 | 596.9 | 694.9 |
| 127.5° | 367.3 | 371.9 | 381.3 | 396.4 | 418.6 | 435.5 | 452.4 | 493.2 | 541.0 | 605.1 | 691.4 |
| 130°   | 382.4 | 387.1 | 398.7 | 415.1 | 438.4 | 454.7 | 471.0 | 511.8 | 556.1 | 614.4 | 689.1 |
| 132.5° | 396.4 | 402.2 | 415.1 | 432.6 | 457.0 | 473.4 | 489.7 | 528.2 | 571.3 | 623.8 | 687.9 |
| 135°   | 410.4 | 415.1 | 429.1 | 446.5 | 473.4 | 489.7 | 506.0 | 543.3 | 584.1 | 630.8 | 686.7 |
| 137.5° | 423.2 | 429.1 | 443.0 | 461.7 | 488.5 | 503.6 | 518.8 | 556.1 | 594.6 | 637.8 | 686.7 |
| 140°   | 438.4 | 443.0 | 457.0 | 475.7 | 501.3 | 516.5 | 531.7 | 566.6 | 602.8 | 642.4 | 685.6 |
| 142.5° | 453.5 | 457.0 | 469.9 | 488.5 | 513.0 | 527.0 | 541.0 | 574.8 | 609.8 | 645.9 | 685.6 |
| 145°   | 468.7 | 473.4 | 485.0 | 502.5 | 525.8 | 538.6 | 551.5 | 583.0 | 615.6 | 648.2 | 683.2 |
| 147.5° | 485.0 | 488.5 | 500.2 | 516.5 | 536.3 | 548.0 | 559.6 | 590.0 | 619.1 | 649.4 | 679.7 |
| 150°   | 501.3 | 504.8 | 514.2 | 529.3 | 546.8 | 557.3 | 567.8 | 594.6 | 621.4 | 648.2 | 676.2 |
| 152.5° | 517.7 | 518.8 | 528.2 | 541.0 | 557.3 | 566.6 | 576.0 | 599.3 | 622.6 | 645.9 | 670.4 |
| 155°   | 532.8 | 534.0 | 541.0 | 553.8 | 566.6 | 575.4 | 584.1 | 603.9 | 623.8 | 643.6 | 663.4 |
| 157.5° | 545.6 | 546.8 | 552.6 | 564.3 | 574.8 | 582.4 | 590.0 | 607.4 | 623.8 | 638.9 | 656.4 |
| 160°   | 558.5 | 559.6 | 564.3 | 573.6 | 583.0 | 589.4 | 595.8 | 609.8 | 623.8 | 635.4 | 649.4 |
| 162.5° | 571.3 | 570.1 | 574.8 | 581.8 | 590.0 | 594.6 | 599.3 | 610.9 | 622.6 | 631.9 | 643.6 |
| 165°   | 580.6 | 579.5 | 581.8 | 588.8 | 594.6 | 598.1 | 601.6 | 612.1 | 620.3 | 627.3 | 635.4 |
| 167.5° | 588.8 | 587.6 | 590.0 | 594.6 | 599.3 | 601.6 | 603.9 | 612.1 | 619.1 | 622.6 | 628.4 |
| 170°   | 596.9 | 594.6 | 595.8 | 599.3 | 601.6 | 603.4 | 605.1 | 610.9 | 616.8 | 619.1 | 622.6 |
| 172.5° | 601.6 | 600.4 | 599.3 | 602.8 | 603.9 | 605.1 | 606.3 | 609.8 | 613.3 | 614.4 | 615.6 |
| 175°   | 605.1 | 603.9 | 602.8 | 605.1 | 605.1 | 605.7 | 606.3 | 608.6 | 610.9 | 609.8 | 610.9 |
| 177.5° | 607.4 | 605.1 | 603.9 | 606.3 | 606.3 | 606.3 | 606.3 | 607.4 | 609.8 | 607.4 | 606.3 |
| 180°   | 606.3 | 606.3 | 606.3 | 606.3 | 606.3 | 606.3 | 606.3 | 606.3 | 606.3 | 606.3 | 606.3 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 971.8  | 971.8  | 971.8  | 971.8  | 971.8  | 971.8  | 971.8  | 971.8  | 971.8  | 971.8  | 971.8  |
| 2.5°   | 1009.9 | 1010.6 | 1012.1 | 1019.6 | 1023.3 | 1024.0 | 1021.1 | 1027.8 | 1030.0 | 1027.8 | 1026.3 |
| 5°     | 1057.7 | 1062.1 | 1071.1 | 1080.8 | 1080.1 | 1080.8 | 1085.3 | 1089.8 | 1091.3 | 1085.3 | 1087.5 |
| 7.5°   | 1099.5 | 1108.4 | 1118.2 | 1133.1 | 1133.1 | 1140.6 | 1143.6 | 1147.3 | 1156.3 | 1151.8 | 1150.3 |
| 10°    | 1147.3 | 1159.2 | 1177.2 | 1201.1 | 1201.8 | 1209.3 | 1216.8 | 1228.7 | 1232.4 | 1229.5 | 1230.9 |
| 12.5°  | 1207.0 | 1230.2 | 1231.7 | 1257.8 | 1269.8 | 1271.3 | 1283.2 | 1281.0 | 1288.5 | 1288.5 | 1301.2 |
| 15°    | 1233.2 | 1269.0 | 1289.2 | 1314.6 | 1322.1 | 1313.1 | 1322.8 | 1333.3 | 1334.0 | 1334.0 | 1333.3 |
| 17.5°  | 1280.2 | 1294.4 | 1314.6 | 1328.0 | 1331.0 | 1331.0 | 1331.8 | 1336.3 | 1333.3 | 1327.3 | 1331.8 |
| 20°    | 1290.0 | 1295.9 | 1303.4 | 1301.9 | 1303.4 | 1295.9 | 1288.5 | 1281.0 | 1281.7 | 1278.0 | 1289.2 |
| 22.5°  | 1272.0 | 1270.5 | 1253.4 | 1242.2 | 1242.2 | 1227.2 | 1213.0 | 1206.3 | 1199.6 | 1201.8 | 1205.6 |
| 25°    | 1227.2 | 1204.1 | 1183.1 | 1166.7 | 1163.0 | 1139.1 | 1119.7 | 1113.7 | 1102.5 | 1111.4 | 1112.9 |
| 27.5°  | 1155.5 | 1129.4 | 1095.8 | 1081.6 | 1062.1 | 1052.4 | 1039.0 | 1021.1 | 997.9  | 1011.3 | 1009.1 |
| 30°    | 1078.6 | 1039.7 | 1012.1 | 977.7  | 947.1  | 944.9  | 919.5  | 889.6  | 877.6  | 877.6  | 884.4  |
| 32.5°  | 992.7  | 941.1  | 900.8  | 852.3  | 822.4  | 809.7  | 779.1  | 749.2  | 755.9  | 733.5  | 741.7  |
| 35°    | 892.6  | 824.6  | 773.8  | 726.8  | 704.4  | 689.4  | 649.8  | 633.4  | 615.5  | 605.0  | 624.4  |
| 37.5°  | 797.0  | 718.6  | 653.6  | 602.0  | 593.8  | 566.9  | 540.0  | 529.6  | 519.1  | 523.6  | 522.9  |
| 40°    | 680.5  | 611.0  | 552.7  | 512.4  | 498.2  | 485.5  | 467.6  | 454.9  | 448.2  | 451.9  | 452.6  |
| 42.5°  | 575.1  | 516.9  | 473.6  | 445.2  | 433.2  | 424.3  | 415.3  | 404.8  | 402.6  | 402.6  | 405.6  |
| 45°    | 493.7  | 445.9  | 416.8  | 393.6  | 386.9  | 380.2  | 373.5  | 369.0  | 367.5  | 364.5  | 366.7  |
| 47.5°  | 428.7  | 390.6  | 372.7  | 355.5  | 348.1  | 346.6  | 340.6  | 338.4  | 335.4  | 334.6  | 335.4  |
| 50°    | 374.2  | 350.3  | 333.9  | 324.2  | 318.9  | 316.7  | 313.7  | 309.2  | 307.7  | 311.5  | 310.0  |
| 52.5°  | 336.1  | 313.7  | 304.7  | 295.0  | 292.1  | 289.1  | 284.6  | 285.3  | 284.6  | 283.1  | 283.1  |
| 55°    | 298.0  | 283.8  | 274.9  | 267.4  | 266.7  | 263.7  | 259.9  | 258.4  | 257.7  | 256.2  | 258.4  |
| 57.5°  | 267.4  | 256.2  | 248.0  | 241.3  | 238.3  | 238.3  | 234.5  | 231.5  | 231.5  | 230.8  | 231.5  |
| 60°    | 236.8  | 225.6  | 220.3  | 213.6  | 211.4  | 210.6  | 208.4  | 206.9  | 204.7  | 204.7  | 204.7  |
| 62.5°  | 208.4  | 199.4  | 193.5  | 187.5  | 188.2  | 184.5  | 181.5  | 180.0  | 180.0  | 180.8  | 180.8  |
| 65°    | 181.5  | 175.5  | 168.1  | 162.8  | 161.3  | 160.6  | 159.1  | 158.3  | 156.1  | 157.6  | 157.6  |
| 67.5°  | 156.9  | 148.6  | 144.2  | 141.9  | 139.7  | 138.9  | 137.4  | 135.9  | 135.2  | 134.4  | 135.9  |
| 70°    | 132.2  | 125.5  | 121.8  | 120.3  | 118.0  | 117.3  | 116.5  | 114.3  | 115.0  | 115.8  | 116.5  |
| 72.5°  | 109.8  | 103.8  | 103.1  | 98.6   | 98.6   | 98.6   | 95.6   | 97.1   | 96.4   | 94.9   | 96.4   |
| 75°    | 86.6   | 83.7   | 82.2   | 79.9   | 80.7   | 79.9   | 79.2   | 76.9   | 76.9   | 77.7   | 78.4   |
| 77.5°  | 68.7   | 65.7   | 65.0   | 62.7   | 61.2   | 62.7   | 61.2   | 60.5   | 60.5   | 61.2   | 61.2   |
| 80°    | 50.8   | 49.3   | 47.1   | 47.1   | 47.1   | 46.3   | 46.3   | 46.3   | 45.6   | 44.8   | 45.6   |
| 82.5°  | 33.6   | 33.6   | 32.9   | 32.1   | 32.9   | 31.4   | 32.1   | 32.1   | 32.1   | 32.1   | 32.1   |
| 85°    | 21.7   | 20.9   | 20.9   | 20.2   | 20.2   | 20.2   | 20.9   | 19.4   | 19.4   | 20.2   | 20.2   |
| 87.5°  | 9.7    | 9.7    | 9.7    | 10.5   | 9.7    | 9.7    | 9.7    | 10.5   | 9.7    | 9.7    | 9.7    |
| 90°    | 38.5   | 37.3   | 35.0   | 37.3   | 37.9   | 38.5   | 38.5   | 38.5   | 38.5   | 38.5   | 38.5   |
| 92.5°  | 150.4  | 117.8  | 100.3  | 87.4   | 82.8   | 78.1   | 77.0   | 72.3   | 73.5   | 71.1   | 73.5   |
| 95°    | 399.9  | 305.5  | 234.3  | 185.4  | 172.6  | 159.7  | 144.6  | 135.2  | 131.7  | 132.9  | 131.7  |
| 97.5°  | 750.8  | 624.9  | 499.0  | 381.3  | 346.3  | 311.3  | 265.8  | 242.5  | 229.7  | 222.7  | 229.7  |
| 100°   | 1089.0 | 1064.5 | 919.9  | 760.2  | 689.7  | 619.1  | 522.3  | 472.2  | 438.4  | 417.4  | 438.4  |
| 102.5° | 1214.9 | 1352.5 | 1347.8 | 1241.7 | 1165.9 | 1090.1 | 982.9  | 888.4  | 844.1  | 813.8  | 844.1  |
| 105°   | 1174.1 | 1416.6 | 1548.3 | 1563.5 | 1544.2 | 1525.0 | 1452.7 | 1380.4 | 1330.3 | 1314.0 | 1330.3 |
| 107.5° | 1087.8 | 1347.8 | 1543.7 | 1657.9 | 1681.2 | 1704.6 | 1703.4 | 1692.9 | 1677.7 | 1650.9 | 1677.7 |
| 110°   | 1007.3 | 1253.4 | 1462.1 | 1611.3 | 1659.1 | 1706.9 | 1757.0 | 1779.2 | 1789.7 | 1788.5 | 1789.7 |



TEST NUMBER: P998413

CATALOG NUMBER: SA2XXDIP-B485D1080UB35-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 951.4 | 1167.1 | 1365.3 | 1527.3 | 1583.8 | 1640.4 | 1715.1 | 1755.9 | 1778.0 | 1786.2 | 1778.0 |
| 115°   | 907.1 | 1099.5 | 1279.0 | 1431.7 | 1491.8 | 1551.8 | 1634.6 | 1688.2 | 1718.6 | 1729.0 | 1718.6 |
| 117.5° | 876.8 | 1043.5 | 1204.4 | 1346.6 | 1403.8 | 1460.9 | 1546.0 | 1603.1 | 1634.6 | 1642.8 | 1634.6 |
| 120°   | 853.4 | 1003.8 | 1148.4 | 1272.0 | 1325.0 | 1378.1 | 1459.7 | 1514.5 | 1548.3 | 1560.0 | 1548.3 |
| 122.5° | 833.6 | 972.4  | 1101.8 | 1217.2 | 1263.8 | 1310.5 | 1381.6 | 1435.2 | 1464.4 | 1473.7 | 1464.4 |
| 125°   | 815.0 | 942.1  | 1062.1 | 1164.7 | 1208.4 | 1252.2 | 1319.8 | 1364.1 | 1393.3 | 1402.6 | 1393.3 |
| 127.5° | 797.5 | 911.7  | 1022.5 | 1120.4 | 1161.2 | 1202.1 | 1261.5 | 1303.5 | 1329.1 | 1336.1 | 1329.1 |
| 130°   | 780.0 | 882.6  | 982.9  | 1075.0 | 1113.4 | 1151.9 | 1209.0 | 1248.7 | 1272.0 | 1281.3 | 1272.0 |
| 132.5° | 766.0 | 854.6  | 945.6  | 1028.3 | 1063.9 | 1099.5 | 1155.4 | 1195.1 | 1216.0 | 1224.2 | 1216.0 |
| 135°   | 753.2 | 829.0  | 905.9  | 982.9  | 1015.6 | 1048.2 | 1098.3 | 1136.8 | 1157.7 | 1162.4 | 1157.7 |
| 137.5° | 743.9 | 808.0  | 874.4  | 937.4  | 966.6  | 995.7  | 1043.5 | 1077.3 | 1096.0 | 1103.0 | 1096.0 |
| 140°   | 735.7 | 788.2  | 844.1  | 897.8  | 923.4  | 949.1  | 986.4  | 1016.7 | 1034.2 | 1041.2 | 1034.2 |
| 142.5° | 727.5 | 771.8  | 817.3  | 861.6  | 882.0  | 902.4  | 937.4  | 964.2  | 979.4  | 979.4  | 979.4  |
| 145°   | 720.5 | 756.7  | 795.2  | 831.3  | 848.2  | 865.1  | 893.1  | 912.9  | 924.6  | 928.1  | 924.6  |
| 147.5° | 713.5 | 745.0  | 776.5  | 805.6  | 818.4  | 831.3  | 855.8  | 872.1  | 880.3  | 882.6  | 880.3  |
| 150°   | 704.2 | 732.2  | 757.8  | 782.3  | 792.8  | 803.3  | 820.8  | 834.8  | 841.8  | 843.0  | 841.8  |
| 152.5° | 696.0 | 719.4  | 742.7  | 762.5  | 771.2  | 780.0  | 792.8  | 804.5  | 809.1  | 809.1  | 809.1  |
| 155°   | 685.6 | 707.7  | 726.4  | 743.9  | 750.3  | 756.7  | 769.5  | 777.7  | 782.3  | 780.0  | 782.3  |
| 157.5° | 676.2 | 693.7  | 710.0  | 725.2  | 730.4  | 735.7  | 745.0  | 752.0  | 754.3  | 754.3  | 754.3  |
| 160°   | 665.7 | 680.9  | 693.7  | 706.5  | 710.6  | 714.7  | 722.9  | 728.7  | 729.9  | 729.9  | 729.9  |
| 162.5° | 656.4 | 668.1  | 678.6  | 689.1  | 692.0  | 694.9  | 703.0  | 706.5  | 707.7  | 706.5  | 707.7  |
| 165°   | 645.9 | 655.2  | 663.4  | 671.6  | 673.9  | 676.2  | 680.9  | 685.6  | 685.6  | 684.4  | 685.6  |
| 167.5° | 635.4 | 642.4  | 649.4  | 655.2  | 657.6  | 659.9  | 662.2  | 664.6  | 664.6  | 663.4  | 664.6  |
| 170°   | 627.3 | 633.1  | 636.6  | 641.3  | 642.4  | 643.6  | 644.7  | 648.2  | 647.1  | 644.7  | 647.1  |
| 172.5° | 619.1 | 622.6  | 624.9  | 628.4  | 629.0  | 629.6  | 630.8  | 631.9  | 630.8  | 629.6  | 630.8  |
| 175°   | 612.1 | 615.6  | 616.8  | 617.9  | 618.5  | 619.1  | 619.1  | 620.3  | 619.1  | 616.8  | 619.1  |
| 177.5° | 607.4 | 609.8  | 609.8  | 610.9  | 610.9  | 610.9  | 610.9  | 610.9  | 609.8  | 607.4  | 609.8  |
| 180°   | 606.3 | 606.3  | 606.3  | 606.3  | 606.3  | 606.3  | 606.3  | 606.3  | 606.3  | 606.3  | 606.3  |

TEST NUMBER: P998413

CATALOG NUMBER: SA2XXDIP-B485D1080UB35-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 971.8  | 971.8  | 971.8  | 971.8  | 971.8  | 971.8  | 971.8  | 971.8  | 971.8  | 971.8  | 971.8  |
| 2.5°   | 1030.0 | 1024.8 | 1020.3 | 1021.1 | 1024.8 | 1021.8 | 1014.3 | 1004.6 | 1000.9 | 996.4  | 1000.9 |
| 5°     | 1092.0 | 1087.5 | 1078.6 | 1079.3 | 1077.1 | 1074.1 | 1062.1 | 1047.2 | 1047.2 | 1035.3 | 1033.8 |
| 7.5°   | 1153.3 | 1146.5 | 1140.6 | 1139.1 | 1130.9 | 1124.9 | 1114.4 | 1093.5 | 1085.3 | 1071.1 | 1062.9 |
| 10°    | 1222.0 | 1216.8 | 1210.0 | 1201.8 | 1197.3 | 1186.9 | 1169.7 | 1139.1 | 1124.1 | 1104.7 | 1090.5 |
| 12.5°  | 1291.4 | 1290.7 | 1275.8 | 1259.3 | 1258.6 | 1242.2 | 1230.2 | 1189.1 | 1169.0 | 1142.8 | 1109.2 |
| 15°    | 1335.5 | 1331.8 | 1323.6 | 1315.4 | 1317.6 | 1299.7 | 1272.8 | 1224.2 | 1210.8 | 1179.4 | 1143.6 |
| 17.5°  | 1334.8 | 1334.8 | 1332.5 | 1331.0 | 1328.8 | 1323.6 | 1308.6 | 1276.5 | 1254.8 | 1215.3 | 1181.6 |
| 20°    | 1292.2 | 1301.9 | 1304.1 | 1303.4 | 1310.9 | 1314.6 | 1313.9 | 1293.7 | 1276.5 | 1241.4 | 1207.0 |
| 22.5°  | 1207.0 | 1229.5 | 1239.2 | 1245.1 | 1260.8 | 1269.0 | 1288.5 | 1281.0 | 1276.5 | 1250.4 | 1221.2 |
| 25°    | 1127.9 | 1135.3 | 1164.5 | 1166.0 | 1187.6 | 1207.8 | 1227.2 | 1239.9 | 1256.3 | 1246.6 | 1222.0 |
| 27.5°  | 1025.5 | 1042.7 | 1063.6 | 1079.3 | 1083.8 | 1124.9 | 1157.0 | 1180.9 | 1218.2 | 1221.2 | 1213.0 |
| 30°    | 909.8  | 918.0  | 952.3  | 973.3  | 997.2  | 1027.0 | 1073.3 | 1114.4 | 1148.0 | 1178.7 | 1189.1 |
| 32.5°  | 768.6  | 802.2  | 822.4  | 847.8  | 868.7  | 921.7  | 978.5  | 1031.5 | 1070.4 | 1121.9 | 1144.3 |
| 35°    | 639.4  | 665.5  | 699.9  | 710.3  | 748.4  | 793.2  | 867.2  | 935.2  | 994.2  | 1046.5 | 1092.0 |
| 37.5°  | 532.6  | 553.5  | 590.1  | 606.5  | 628.9  | 686.4  | 748.4  | 832.8  | 903.8  | 968.0  | 1024.8 |
| 40°    | 459.4  | 475.0  | 502.7  | 507.9  | 526.6  | 578.9  | 628.9  | 708.1  | 802.2  | 888.9  | 950.8  |
| 42.5°  | 409.3  | 416.8  | 435.5  | 442.2  | 454.1  | 489.2  | 534.1  | 608.8  | 696.1  | 785.8  | 873.2  |
| 45°    | 373.5  | 378.7  | 389.9  | 395.9  | 410.8  | 426.5  | 463.1  | 522.9  | 591.6  | 682.0  | 776.1  |
| 47.5°  | 341.3  | 348.1  | 352.6  | 356.3  | 364.5  | 381.7  | 405.6  | 449.7  | 515.4  | 598.3  | 689.4  |
| 50°    | 314.5  | 316.7  | 324.9  | 325.7  | 330.9  | 342.1  | 364.5  | 391.4  | 443.7  | 510.9  | 599.0  |
| 52.5°  | 287.6  | 289.8  | 295.0  | 300.3  | 302.5  | 311.5  | 326.4  | 348.8  | 387.7  | 440.7  | 519.1  |
| 55°    | 260.7  | 263.7  | 268.9  | 272.6  | 274.9  | 282.3  | 291.3  | 313.0  | 343.6  | 380.9  | 445.2  |
| 57.5°  | 233.8  | 240.5  | 242.0  | 244.2  | 248.0  | 256.2  | 264.4  | 277.1  | 301.0  | 335.4  | 382.4  |
| 60°    | 208.4  | 210.6  | 215.9  | 218.1  | 221.8  | 226.3  | 236.8  | 246.5  | 263.7  | 290.6  | 333.1  |
| 62.5°  | 182.3  | 187.5  | 189.7  | 192.0  | 194.9  | 200.2  | 206.9  | 217.4  | 232.3  | 254.0  | 287.6  |
| 65°    | 159.8  | 160.6  | 165.1  | 168.1  | 171.0  | 174.8  | 181.5  | 191.2  | 200.2  | 220.3  | 245.0  |
| 67.5°  | 138.2  | 139.7  | 141.2  | 144.2  | 147.9  | 151.6  | 157.6  | 162.8  | 174.0  | 187.5  | 206.9  |
| 70°    | 117.3  | 117.3  | 121.0  | 123.2  | 122.5  | 127.0  | 131.5  | 137.4  | 145.7  | 158.3  | 174.0  |
| 72.5°  | 98.6   | 97.8   | 100.8  | 101.6  | 103.1  | 106.1  | 109.1  | 115.0  | 119.5  | 129.2  | 141.2  |
| 75°    | 78.4   | 79.9   | 81.4   | 81.4   | 83.7   | 85.9   | 88.9   | 91.9   | 97.1   | 103.1  | 112.0  |
| 77.5°  | 62.0   | 62.0   | 63.5   | 64.2   | 66.5   | 65.7   | 68.7   | 71.7   | 75.4   | 80.7   | 87.4   |
| 80°    | 45.6   | 47.1   | 47.1   | 47.1   | 47.8   | 48.6   | 51.5   | 53.8   | 56.0   | 59.8   | 62.7   |
| 82.5°  | 32.1   | 32.1   | 33.6   | 33.6   | 33.6   | 35.1   | 35.1   | 35.9   | 37.3   | 39.6   | 41.8   |
| 85°    | 20.2   | 20.2   | 20.2   | 20.9   | 20.2   | 20.9   | 22.4   | 21.7   | 22.4   | 23.9   | 23.9   |
| 87.5°  | 9.7    | 9.7    | 9.7    | 9.7    | 9.7    | 10.5   | 9.7    | 10.5   | 11.2   | 11.2   | 11.2   |
| 90°    | 38.5   | 38.5   | 38.5   | 37.9   | 37.3   | 35.0   | 37.3   | 38.5   | 39.6   | 38.5   | 31.5   |
| 92.5°  | 72.3   | 77.0   | 78.1   | 82.8   | 87.4   | 100.3  | 117.8  | 150.4  | 179.6  | 177.2  | 137.6  |
| 95°    | 135.2  | 144.6  | 159.7  | 172.6  | 185.4  | 234.3  | 305.5  | 399.9  | 457.0  | 404.6  | 269.3  |
| 97.5°  | 242.5  | 265.8  | 311.3  | 346.3  | 381.3  | 499.0  | 624.9  | 750.8  | 745.0  | 576.0  | 357.9  |
| 100°   | 472.2  | 522.3  | 619.1  | 689.7  | 760.2  | 919.9  | 1064.5 | 1089.0 | 921.1  | 634.3  | 382.4  |
| 102.5° | 888.4  | 982.9  | 1090.1 | 1165.9 | 1241.7 | 1347.8 | 1352.5 | 1214.9 | 926.9  | 612.1  | 383.6  |
| 105°   | 1380.4 | 1452.7 | 1525.0 | 1544.2 | 1563.5 | 1548.3 | 1416.6 | 1174.1 | 863.9  | 581.8  | 389.4  |
| 107.5° | 1692.9 | 1703.4 | 1704.6 | 1681.2 | 1657.9 | 1543.7 | 1347.8 | 1087.8 | 805.6  | 565.5  | 402.2  |
| 110°   | 1779.2 | 1757.0 | 1706.9 | 1659.1 | 1611.3 | 1462.1 | 1253.4 | 1007.3 | 766.0  | 560.8  | 418.6  |

TEST NUMBER: P998413

CATALOG NUMBER: SA2XXDIP-B485D1080UB35-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°  | 135°  | 140°  | 145°  |
|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 112.5° | 1755.9 | 1715.1 | 1640.4 | 1583.8 | 1527.3 | 1365.3 | 1167.1 | 951.4 | 740.4 | 562.0 | 436.1 |
| 115°   | 1688.2 | 1634.6 | 1551.8 | 1491.8 | 1431.7 | 1279.0 | 1099.5 | 907.1 | 722.9 | 566.6 | 453.5 |
| 117.5° | 1603.1 | 1546.0 | 1460.9 | 1403.8 | 1346.6 | 1204.4 | 1043.5 | 876.8 | 713.5 | 573.6 | 472.2 |
| 120°   | 1514.5 | 1459.7 | 1378.1 | 1325.0 | 1272.0 | 1148.4 | 1003.8 | 853.4 | 705.4 | 580.6 | 490.8 |
| 122.5° | 1435.2 | 1381.6 | 1310.5 | 1263.8 | 1217.2 | 1101.8 | 972.4  | 833.6 | 700.7 | 588.8 | 507.2 |
| 125°   | 1364.1 | 1319.8 | 1252.2 | 1208.4 | 1164.7 | 1062.1 | 942.1  | 815.0 | 694.9 | 596.9 | 524.7 |
| 127.5° | 1303.5 | 1261.5 | 1202.1 | 1161.2 | 1120.4 | 1022.5 | 911.7  | 797.5 | 691.4 | 605.1 | 541.0 |
| 130°   | 1248.7 | 1209.0 | 1151.9 | 1113.4 | 1075.0 | 982.9  | 882.6  | 780.0 | 689.1 | 614.4 | 556.1 |
| 132.5° | 1195.1 | 1155.4 | 1099.5 | 1063.9 | 1028.3 | 945.6  | 854.6  | 766.0 | 687.9 | 623.8 | 571.3 |
| 135°   | 1136.8 | 1098.3 | 1048.2 | 1015.6 | 982.9  | 905.9  | 829.0  | 753.2 | 686.7 | 630.8 | 584.1 |
| 137.5° | 1077.3 | 1043.5 | 995.7  | 966.6  | 937.4  | 874.4  | 808.0  | 743.9 | 686.7 | 637.8 | 594.6 |
| 140°   | 1016.7 | 986.4  | 949.1  | 923.4  | 897.8  | 844.1  | 788.2  | 735.7 | 685.6 | 642.4 | 602.8 |
| 142.5° | 964.2  | 937.4  | 902.4  | 882.0  | 861.6  | 817.3  | 771.8  | 727.5 | 685.6 | 645.9 | 609.8 |
| 145°   | 912.9  | 893.1  | 865.1  | 848.2  | 831.3  | 795.2  | 756.7  | 720.5 | 683.2 | 648.2 | 615.6 |
| 147.5° | 872.1  | 855.8  | 831.3  | 818.4  | 805.6  | 776.5  | 745.0  | 713.5 | 679.7 | 649.4 | 619.1 |
| 150°   | 834.8  | 820.8  | 803.3  | 792.8  | 782.3  | 757.8  | 732.2  | 704.2 | 676.2 | 648.2 | 621.4 |
| 152.5° | 804.5  | 792.8  | 780.0  | 771.2  | 762.5  | 742.7  | 719.4  | 696.0 | 670.4 | 645.9 | 622.6 |
| 155°   | 777.7  | 769.5  | 756.7  | 750.3  | 743.9  | 726.4  | 707.7  | 685.6 | 663.4 | 643.6 | 623.8 |
| 157.5° | 752.0  | 745.0  | 735.7  | 730.4  | 725.2  | 710.0  | 693.7  | 676.2 | 656.4 | 638.9 | 623.8 |
| 160°   | 728.7  | 722.9  | 714.7  | 710.6  | 706.5  | 693.7  | 680.9  | 665.7 | 649.4 | 635.4 | 623.8 |
| 162.5° | 706.5  | 703.0  | 694.9  | 692.0  | 689.1  | 678.6  | 668.1  | 656.4 | 643.6 | 631.9 | 622.6 |
| 165°   | 685.6  | 680.9  | 676.2  | 673.9  | 671.6  | 663.4  | 655.2  | 645.9 | 635.4 | 627.3 | 620.3 |
| 167.5° | 664.6  | 662.2  | 659.9  | 657.6  | 655.2  | 649.4  | 642.4  | 635.4 | 628.4 | 622.6 | 619.1 |
| 170°   | 648.2  | 644.7  | 643.6  | 642.4  | 641.3  | 636.6  | 633.1  | 627.3 | 622.6 | 619.1 | 616.8 |
| 172.5° | 631.9  | 630.8  | 629.6  | 629.0  | 628.4  | 624.9  | 622.6  | 619.1 | 615.6 | 614.4 | 613.3 |
| 175°   | 620.3  | 619.1  | 619.1  | 618.5  | 617.9  | 616.8  | 615.6  | 612.1 | 610.9 | 609.8 | 610.9 |
| 177.5° | 610.9  | 610.9  | 610.9  | 610.9  | 610.9  | 609.8  | 609.8  | 607.4 | 606.3 | 607.4 | 609.8 |
| 180°   | 606.3  | 606.3  | 606.3  | 606.3  | 606.3  | 606.3  | 606.3  | 606.3 | 606.3 | 606.3 | 606.3 |

TEST NUMBER: P998413

CATALOG NUMBER: SA2XXDIP-B485D1080UB35-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 0°     | 971.8  | 971.8  | 971.8  | 971.8  | 971.8  | 971.8 | 971.8 | 971.8 | 971.8 | 971.8 | 971.8 |
| 2.5°   | 997.2  | 993.4  | 991.2  | 992.7  | 988.2  | 977.0 | 977.0 | 980.7 | 976.2 | 971.8 | 965.0 |
| 5°     | 1024.8 | 1017.3 | 1012.8 | 1012.1 | 1001.6 | 983.7 | 980.0 | 976.2 | 966.5 | 956.1 | 944.9 |
| 7.5°   | 1051.7 | 1038.2 | 1030.8 | 1025.5 | 1010.6 | 987.4 | 977.7 | 969.5 | 953.8 | 938.1 | 924.0 |
| 10°    | 1074.1 | 1054.7 | 1045.7 | 1037.5 | 1018.1 | 988.9 | 973.3 | 958.3 | 938.1 | 918.0 | 900.1 |
| 12.5°  | 1092.0 | 1069.6 | 1058.4 | 1046.5 | 1022.6 | 984.5 | 965.0 | 941.1 | 921.0 | 894.1 | 876.2 |
| 15°    | 1121.9 | 1075.6 | 1065.1 | 1053.9 | 1029.3 | 977.0 | 953.1 | 926.2 | 898.6 | 862.7 | 843.3 |
| 17.5°  | 1145.8 | 1083.8 | 1083.1 | 1059.2 | 1027.0 | 974.0 | 937.4 | 902.3 | 872.4 | 836.6 | 805.9 |
| 20°    | 1160.0 | 1096.5 | 1084.5 | 1059.9 | 1019.6 | 953.8 | 915.7 | 876.9 | 844.8 | 801.5 | 770.8 |
| 22.5°  | 1171.9 | 1114.4 | 1083.1 | 1053.2 | 1003.9 | 947.1 | 891.1 | 854.5 | 810.4 | 763.4 | 734.2 |
| 25°    | 1176.4 | 1118.2 | 1085.3 | 1050.9 | 992.7  | 927.7 | 864.2 | 824.6 | 775.3 | 732.7 | 693.2 |
| 27.5°  | 1177.2 | 1117.4 | 1077.1 | 1041.2 | 977.0  | 902.3 | 837.3 | 795.5 | 741.0 | 691.7 | 652.1 |
| 30°    | 1169.7 | 1109.2 | 1072.6 | 1033.8 | 962.1  | 879.1 | 804.4 | 758.1 | 699.9 | 650.6 | 609.5 |
| 32.5°  | 1147.3 | 1092.8 | 1062.9 | 1020.3 | 942.6  | 847.0 | 773.1 | 721.5 | 660.3 | 611.7 | 572.2 |
| 35°    | 1109.9 | 1072.6 | 1039.7 | 1000.1 | 917.2  | 817.1 | 741.7 | 681.2 | 619.2 | 572.9 | 535.6 |
| 37.5°  | 1063.6 | 1043.5 | 1012.8 | 974.0  | 888.1  | 790.3 | 706.6 | 639.4 | 577.4 | 532.6 | 496.0 |
| 40°    | 1000.9 | 1006.1 | 976.2  | 941.1  | 853.7  | 753.7 | 661.0 | 596.8 | 538.5 | 496.7 | 460.9 |
| 42.5°  | 932.9  | 954.6  | 937.4  | 903.8  | 815.7  | 713.3 | 627.4 | 556.5 | 499.7 | 456.4 | 426.5 |
| 45°    | 859.7  | 897.1  | 886.6  | 862.0  | 776.1  | 670.7 | 579.6 | 510.9 | 460.9 | 419.0 | 392.9 |
| 47.5°  | 779.8  | 832.8  | 832.8  | 814.9  | 732.0  | 628.2 | 538.5 | 468.3 | 419.0 | 389.2 | 363.8 |
| 50°    | 698.4  | 758.1  | 767.8  | 755.9  | 682.7  | 579.6 | 488.5 | 425.0 | 382.4 | 353.3 | 334.6 |
| 52.5°  | 613.2  | 682.7  | 700.6  | 694.6  | 630.4  | 533.3 | 447.4 | 385.4 | 346.6 | 321.2 | 304.7 |
| 55°    | 531.8  | 612.5  | 631.9  | 634.1  | 574.4  | 482.5 | 401.9 | 347.3 | 310.0 | 292.8 | 278.6 |
| 57.5°  | 454.9  | 532.6  | 554.2  | 558.0  | 517.6  | 436.2 | 359.3 | 311.5 | 277.9 | 263.7 | 252.5 |
| 60°    | 389.2  | 454.1  | 482.5  | 490.7  | 455.6  | 382.4 | 319.7 | 273.4 | 248.0 | 234.5 | 224.1 |
| 62.5°  | 335.4  | 387.7  | 417.5  | 419.8  | 404.1  | 335.4 | 278.6 | 239.8 | 218.1 | 206.2 | 200.9 |
| 65°    | 283.1  | 330.1  | 348.1  | 357.0  | 344.3  | 290.6 | 240.5 | 208.4 | 191.2 | 180.8 | 175.5 |
| 67.5°  | 241.3  | 271.1  | 286.1  | 298.0  | 285.3  | 245.0 | 204.7 | 178.5 | 165.8 | 155.4 | 152.4 |
| 70°    | 197.9  | 222.6  | 233.8  | 245.7  | 234.5  | 203.9 | 174.8 | 150.9 | 139.7 | 131.5 | 127.7 |
| 72.5°  | 158.3  | 177.8  | 188.2  | 195.7  | 189.0  | 163.6 | 139.7 | 123.2 | 115.0 | 109.1 | 106.8 |
| 75°    | 125.5  | 138.9  | 144.9  | 150.1  | 147.1  | 127.7 | 112.8 | 99.3  | 91.9  | 86.6  | 85.2  |
| 77.5°  | 95.6   | 105.3  | 112.0  | 113.5  | 109.8  | 97.1  | 84.4  | 76.2  | 70.2  | 67.2  | 65.7  |
| 80°    | 68.0   | 73.9   | 77.7   | 79.9   | 76.2   | 71.0  | 62.0  | 56.0  | 50.8  | 47.1  | 46.3  |
| 82.5°  | 45.6   | 48.6   | 51.5   | 50.8   | 49.3   | 44.8  | 39.6  | 36.6  | 34.4  | 31.4  | 31.4  |
| 85°    | 26.1   | 26.9   | 28.4   | 29.1   | 28.4   | 25.4  | 22.4  | 20.9  | 19.4  | 17.2  | 17.2  |
| 87.5°  | 11.2   | 12.0   | 12.0   | 12.7   | 11.2   | 11.2  | 9.7   | 8.2   | 8.2   | 7.5   | 6.7   |
| 90°    | 23.3   | 17.5   | 15.8   | 14.0   | 11.7   | 9.3   | 4.7   | 1.2   | 4.7   | 9.3   | 11.7  |
| 92.5°  | 93.3   | 61.8   | 55.4   | 49.0   | 39.6   | 33.8  | 24.5  | 17.5  | 24.5  | 33.8  | 39.6  |
| 95°    | 167.9  | 114.3  | 100.3  | 86.3   | 67.6   | 57.1  | 45.5  | 40.8  | 45.5  | 57.1  | 67.6  |
| 97.5°  | 216.9  | 148.1  | 132.4  | 116.6  | 95.6   | 80.4  | 67.6  | 60.6  | 67.6  | 80.4  | 95.6  |
| 100°   | 240.2  | 178.4  | 162.0  | 145.7  | 122.4  | 103.8 | 93.3  | 89.8  | 93.3  | 103.8 | 122.4 |
| 102.5° | 261.2  | 205.2  | 188.9  | 172.6  | 148.1  | 129.4 | 118.9 | 116.6 | 118.9 | 129.4 | 148.1 |
| 105°   | 285.6  | 230.9  | 214.6  | 198.2  | 172.6  | 155.1 | 146.9 | 142.2 | 146.9 | 155.1 | 172.6 |
| 107.5° | 310.1  | 256.5  | 240.2  | 223.9  | 198.2  | 181.9 | 173.7 | 170.2 | 173.7 | 181.9 | 198.2 |
| 110°   | 334.6  | 283.3  | 266.4  | 249.5  | 225.0  | 209.9 | 202.9 | 198.2 | 202.9 | 209.9 | 225.0 |

TEST NUMBER: P998413

CATALOG NUMBER: SA2XXDIP-B485D1080UB35-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 357.9 | 309.0 | 291.5  | 274.0 | 250.7 | 236.7 | 228.5 | 223.9 | 228.5 | 236.7 | 250.7 |
| 115°   | 382.4 | 332.3 | 316.6  | 300.8 | 277.5 | 263.5 | 256.5 | 250.7 | 256.5 | 263.5 | 277.5 |
| 117.5° | 404.6 | 357.9 | 341.6  | 325.3 | 303.1 | 290.3 | 283.3 | 278.7 | 283.3 | 290.3 | 303.1 |
| 120°   | 427.9 | 382.4 | 366.1  | 349.8 | 326.5 | 316.0 | 309.0 | 304.3 | 309.0 | 316.0 | 326.5 |
| 122.5° | 450.0 | 408.1 | 391.2  | 374.3 | 350.9 | 339.3 | 332.3 | 328.8 | 332.3 | 339.3 | 350.9 |
| 125°   | 472.2 | 430.2 | 413.9  | 397.6 | 374.3 | 360.3 | 353.3 | 349.8 | 353.3 | 360.3 | 374.3 |
| 127.5° | 493.2 | 452.4 | 435.5  | 418.6 | 396.4 | 381.3 | 371.9 | 367.3 | 371.9 | 381.3 | 396.4 |
| 130°   | 511.8 | 471.0 | 454.7  | 438.4 | 415.1 | 398.7 | 387.1 | 382.4 | 387.1 | 398.7 | 415.1 |
| 132.5° | 528.2 | 489.7 | 473.4  | 457.0 | 432.6 | 415.1 | 402.2 | 396.4 | 402.2 | 415.1 | 432.6 |
| 135°   | 543.3 | 506.0 | 489.7  | 473.4 | 446.5 | 429.1 | 415.1 | 410.4 | 415.1 | 429.1 | 446.5 |
| 137.5° | 556.1 | 518.8 | 503.6  | 488.5 | 461.7 | 443.0 | 429.1 | 423.2 | 429.1 | 443.0 | 461.7 |
| 140°   | 566.6 | 531.7 | 516.5  | 501.3 | 475.7 | 457.0 | 443.0 | 438.4 | 443.0 | 457.0 | 475.7 |
| 142.5° | 574.8 | 541.0 | 527.0  | 513.0 | 488.5 | 469.9 | 457.0 | 453.5 | 457.0 | 469.9 | 488.5 |
| 145°   | 583.0 | 551.5 | 538.6  | 525.8 | 502.5 | 485.0 | 473.4 | 468.7 | 473.4 | 485.0 | 502.5 |
| 147.5° | 590.0 | 559.6 | 548.0  | 536.3 | 516.5 | 500.2 | 488.5 | 485.0 | 488.5 | 500.2 | 516.5 |
| 150°   | 594.6 | 567.8 | 557.3  | 546.8 | 529.3 | 514.2 | 504.8 | 501.3 | 504.8 | 514.2 | 529.3 |
| 152.5° | 599.3 | 576.0 | 566.6  | 557.3 | 541.0 | 528.2 | 518.8 | 517.7 | 518.8 | 528.2 | 541.0 |
| 155°   | 603.9 | 584.1 | 575.4  | 566.6 | 553.8 | 541.0 | 534.0 | 532.8 | 534.0 | 541.0 | 553.8 |
| 157.5° | 607.4 | 590.0 | 582.4  | 574.8 | 564.3 | 552.6 | 546.8 | 545.6 | 546.8 | 552.6 | 564.3 |
| 160°   | 609.8 | 595.8 | 589.4  | 583.0 | 573.6 | 564.3 | 559.6 | 558.5 | 559.6 | 564.3 | 573.6 |
| 162.5° | 610.9 | 599.3 | 594.6  | 590.0 | 581.8 | 574.8 | 570.1 | 571.3 | 570.1 | 574.8 | 581.8 |
| 165°   | 612.1 | 601.6 | 598.1  | 594.6 | 588.8 | 581.8 | 579.5 | 580.6 | 579.5 | 581.8 | 588.8 |
| 167.5° | 612.1 | 603.9 | 601.6  | 599.3 | 594.6 | 590.0 | 587.6 | 588.8 | 587.6 | 590.0 | 594.6 |
| 170°   | 610.9 | 605.1 | 603.4  | 601.6 | 599.3 | 595.8 | 594.6 | 596.9 | 594.6 | 595.8 | 599.3 |
| 172.5° | 609.8 | 606.3 | 605.1  | 603.9 | 602.8 | 599.3 | 600.4 | 601.6 | 600.4 | 599.3 | 602.8 |
| 175°   | 608.6 | 606.3 | 605.7  | 605.1 | 605.1 | 602.8 | 603.9 | 605.1 | 603.9 | 602.8 | 605.1 |
| 177.5° | 607.4 | 606.3 | 606.3  | 606.3 | 606.3 | 603.9 | 605.1 | 607.4 | 605.1 | 603.9 | 606.3 |
| 180°   | 606.3 | 606.3 | 606.3  | 606.3 | 606.3 | 606.3 | 606.3 | 606.3 | 606.3 | 606.3 | 606.3 |

TEST NUMBER: P998413

CATALOG NUMBER: SA2XXDIP-B485D1080UB35-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°   | 235°   | 240°   | 245°   |
|--------|-------|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0°     | 971.8 | 971.8  | 971.8 | 971.8 | 971.8 | 971.8 | 971.8 | 971.8  | 971.8  | 971.8  | 971.8  |
| 2.5°   | 961.3 | 965.0  | 964.3 | 956.8 | 948.6 | 941.9 | 929.2 | 930.7  | 926.2  | 926.9  | 931.4  |
| 5°     | 937.4 | 937.4  | 934.4 | 924.0 | 910.5 | 903.0 | 888.9 | 885.1  | 876.2  | 875.4  | 874.7  |
| 7.5°   | 912.0 | 908.3  | 904.5 | 889.6 | 873.2 | 861.2 | 841.8 | 837.3  | 828.3  | 822.4  | 819.4  |
| 10°    | 882.1 | 876.9  | 869.4 | 852.3 | 832.1 | 817.1 | 797.0 | 791.0  | 773.8  | 766.4  | 761.9  |
| 12.5°  | 849.3 | 846.3  | 834.3 | 820.1 | 787.3 | 770.8 | 741.7 | 747.7  | 730.5  | 715.6  | 713.3  |
| 15°    | 816.4 | 805.2  | 798.5 | 775.3 | 735.7 | 728.3 | 705.1 | 693.2  | 677.5  | 665.5  | 665.5  |
| 17.5°  | 784.3 | 767.1  | 752.2 | 727.5 | 698.4 | 677.5 | 660.3 | 654.3  | 634.9  | 622.9  | 620.7  |
| 20°    | 741.7 | 722.3  | 718.6 | 683.4 | 663.3 | 640.1 | 623.7 | 608.8  | 594.6  | 589.3  | 585.6  |
| 22.5°  | 701.4 | 679.0  | 673.0 | 643.1 | 622.9 | 599.8 | 583.4 | 572.9  | 562.4  | 558.7  | 552.0  |
| 25°    | 658.0 | 644.6  | 635.6 | 603.5 | 581.1 | 559.5 | 548.2 | 540.8  | 531.1  | 530.3  | 525.8  |
| 27.5°  | 616.2 | 603.5  | 594.6 | 563.9 | 547.5 | 527.3 | 518.4 | 510.2  | 504.9  | 502.7  | 500.4  |
| 30°    | 580.4 | 566.2  | 555.7 | 533.3 | 513.1 | 496.7 | 489.2 | 484.0  | 481.0  | 477.3  | 476.5  |
| 32.5°  | 540.8 | 532.6  | 518.4 | 501.2 | 485.5 | 469.8 | 465.3 | 461.6  | 457.1  | 455.6  | 454.9  |
| 35°    | 507.2 | 496.0  | 487.0 | 467.6 | 460.9 | 447.4 | 442.2 | 439.2  | 433.2  | 431.7  | 430.2  |
| 37.5°  | 474.3 | 463.8  | 454.1 | 442.2 | 429.5 | 422.0 | 419.0 | 414.5  | 411.6  | 412.3  | 410.8  |
| 40°    | 441.4 | 433.2  | 425.8 | 413.1 | 405.6 | 401.9 | 395.9 | 391.4  | 389.9  | 390.6  | 389.9  |
| 42.5°  | 409.3 | 401.9  | 397.4 | 387.7 | 380.2 | 376.5 | 372.7 | 368.2  | 370.5  | 370.5  | 372.7  |
| 45°    | 380.2 | 373.5  | 370.5 | 363.0 | 358.5 | 352.6 | 348.8 | 348.1  | 351.1  | 350.3  | 350.3  |
| 47.5°  | 350.3 | 348.1  | 344.3 | 337.6 | 331.6 | 327.9 | 327.2 | 327.2  | 330.1  | 331.6  | 330.9  |
| 50°    | 327.2 | 322.7  | 318.2 | 313.0 | 308.5 | 307.0 | 304.7 | 306.2  | 309.2  | 309.2  | 310.7  |
| 52.5°  | 298.0 | 295.0  | 293.5 | 289.1 | 286.1 | 286.1 | 286.1 | 286.8  | 289.1  | 291.3  | 290.6  |
| 55°    | 272.6 | 270.4  | 268.9 | 266.7 | 262.9 | 263.7 | 262.9 | 264.4  | 266.7  | 268.9  | 270.4  |
| 57.5°  | 245.7 | 245.0  | 243.5 | 239.8 | 239.8 | 239.0 | 241.3 | 242.0  | 245.7  | 247.2  | 249.5  |
| 60°    | 221.8 | 219.6  | 219.6 | 216.6 | 216.6 | 216.6 | 218.9 | 221.1  | 224.1  | 224.8  | 226.3  |
| 62.5°  | 196.4 | 196.4  | 195.7 | 193.5 | 193.5 | 195.7 | 196.4 | 199.4  | 200.9  | 200.9  | 203.2  |
| 65°    | 172.5 | 171.8  | 171.0 | 171.8 | 172.5 | 172.5 | 174.8 | 176.3  | 177.8  | 178.5  | 179.3  |
| 67.5°  | 148.6 | 147.9  | 149.4 | 148.6 | 150.1 | 153.1 | 152.4 | 154.6  | 156.9  | 156.9  | 157.6  |
| 70°    | 126.2 | 127.7  | 127.0 | 128.5 | 127.7 | 129.2 | 131.5 | 132.2  | 132.2  | 133.0  | 135.2  |
| 72.5°  | 105.3 | 105.3  | 105.3 | 104.6 | 105.3 | 106.8 | 108.3 | 109.1  | 110.5  | 111.3  | 113.5  |
| 75°    | 85.2  | 85.2   | 83.7  | 85.2  | 85.2  | 86.6  | 88.1  | 88.1   | 88.1   | 89.6   | 91.9   |
| 77.5°  | 64.2  | 65.0   | 64.2  | 65.7  | 65.7  | 66.5  | 68.0  | 67.2   | 68.7   | 69.5   | 70.2   |
| 80°    | 47.1  | 46.3   | 46.3  | 46.3  | 47.1  | 47.1  | 48.6  | 49.3   | 49.3   | 51.5   | 50.0   |
| 82.5°  | 29.9  | 30.6   | 29.9  | 30.6  | 30.6  | 31.4  | 30.6  | 31.4   | 32.1   | 33.6   | 32.9   |
| 85°    | 17.2  | 16.4   | 16.4  | 17.2  | 16.4  | 16.4  | 17.2  | 16.4   | 17.2   | 16.4   | 17.2   |
| 87.5°  | 6.7   | 6.0    | 6.0   | 6.0   | 6.0   | 5.2   | 5.2   | 4.5    | 4.5    | 4.5    | 3.7    |
| 90°    | 14.0  | 15.8   | 17.5  | 23.3  | 31.5  | 38.5  | 39.6  | 38.5   | 37.3   | 35.0   | 37.3   |
| 92.5°  | 49.0  | 55.4   | 61.8  | 93.3  | 137.6 | 177.2 | 179.6 | 150.4  | 117.8  | 100.3  | 87.4   |
| 95°    | 86.3  | 100.3  | 114.3 | 167.9 | 269.3 | 404.6 | 457.0 | 399.9  | 305.5  | 234.3  | 185.4  |
| 97.5°  | 116.6 | 132.4  | 148.1 | 216.9 | 357.9 | 576.0 | 745.0 | 750.8  | 624.9  | 499.0  | 381.3  |
| 100°   | 145.7 | 162.0  | 178.4 | 240.2 | 382.4 | 634.3 | 921.1 | 1089.0 | 1064.5 | 919.9  | 760.2  |
| 102.5° | 172.6 | 188.9  | 205.2 | 261.2 | 383.6 | 612.1 | 926.9 | 1214.9 | 1352.5 | 1347.8 | 1241.7 |
| 105°   | 198.2 | 214.6  | 230.9 | 285.6 | 389.4 | 581.8 | 863.9 | 1174.1 | 1416.6 | 1548.3 | 1563.5 |
| 107.5° | 223.9 | 240.2  | 256.5 | 310.1 | 402.2 | 565.5 | 805.6 | 1087.8 | 1347.8 | 1543.7 | 1657.9 |
| 110°   | 249.5 | 266.4  | 283.3 | 334.6 | 418.6 | 560.8 | 766.0 | 1007.3 | 1253.4 | 1462.1 | 1611.3 |

TEST NUMBER: P998413

CATALOG NUMBER: SA2XXDIP-B485D1080UB35-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°   | 240°   | 245°   |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 112.5° | 274.0 | 291.5  | 309.0 | 357.9 | 436.1 | 562.0 | 740.4 | 951.4 | 1167.1 | 1365.3 | 1527.3 |
| 115°   | 300.8 | 316.6  | 332.3 | 382.4 | 453.5 | 566.6 | 722.9 | 907.1 | 1099.5 | 1279.0 | 1431.7 |
| 117.5° | 325.3 | 341.6  | 357.9 | 404.6 | 472.2 | 573.6 | 713.5 | 876.8 | 1043.5 | 1204.4 | 1346.6 |
| 120°   | 349.8 | 366.1  | 382.4 | 427.9 | 490.8 | 580.6 | 705.4 | 853.4 | 1003.8 | 1148.4 | 1272.0 |
| 122.5° | 374.3 | 391.2  | 408.1 | 450.0 | 507.2 | 588.8 | 700.7 | 833.6 | 972.4  | 1101.8 | 1217.2 |
| 125°   | 397.6 | 413.9  | 430.2 | 472.2 | 524.7 | 596.9 | 694.9 | 815.0 | 942.1  | 1062.1 | 1164.7 |
| 127.5° | 418.6 | 435.5  | 452.4 | 493.2 | 541.0 | 605.1 | 691.4 | 797.5 | 911.7  | 1022.5 | 1120.4 |
| 130°   | 438.4 | 454.7  | 471.0 | 511.8 | 556.1 | 614.4 | 689.1 | 780.0 | 882.6  | 982.9  | 1075.0 |
| 132.5° | 457.0 | 473.4  | 489.7 | 528.2 | 571.3 | 623.8 | 687.9 | 766.0 | 854.6  | 945.6  | 1028.3 |
| 135°   | 473.4 | 489.7  | 506.0 | 543.3 | 584.1 | 630.8 | 686.7 | 753.2 | 829.0  | 905.9  | 982.9  |
| 137.5° | 488.5 | 503.6  | 518.8 | 556.1 | 594.6 | 637.8 | 686.7 | 743.9 | 808.0  | 874.4  | 937.4  |
| 140°   | 501.3 | 516.5  | 531.7 | 566.6 | 602.8 | 642.4 | 685.6 | 735.7 | 788.2  | 844.1  | 897.8  |
| 142.5° | 513.0 | 527.0  | 541.0 | 574.8 | 609.8 | 645.9 | 685.6 | 727.5 | 771.8  | 817.3  | 861.6  |
| 145°   | 525.8 | 538.6  | 551.5 | 583.0 | 615.6 | 648.2 | 683.2 | 720.5 | 756.7  | 795.2  | 831.3  |
| 147.5° | 536.3 | 548.0  | 559.6 | 590.0 | 619.1 | 649.4 | 679.7 | 713.5 | 745.0  | 776.5  | 805.6  |
| 150°   | 546.8 | 557.3  | 567.8 | 594.6 | 621.4 | 648.2 | 676.2 | 704.2 | 732.2  | 757.8  | 782.3  |
| 152.5° | 557.3 | 566.6  | 576.0 | 599.3 | 622.6 | 645.9 | 670.4 | 696.0 | 719.4  | 742.7  | 762.5  |
| 155°   | 566.6 | 575.4  | 584.1 | 603.9 | 623.8 | 643.6 | 663.4 | 685.6 | 707.7  | 726.4  | 743.9  |
| 157.5° | 574.8 | 582.4  | 590.0 | 607.4 | 623.8 | 638.9 | 656.4 | 676.2 | 693.7  | 710.0  | 725.2  |
| 160°   | 583.0 | 589.4  | 595.8 | 609.8 | 623.8 | 635.4 | 649.4 | 665.7 | 680.9  | 693.7  | 706.5  |
| 162.5° | 590.0 | 594.6  | 599.3 | 610.9 | 622.6 | 631.9 | 643.6 | 656.4 | 668.1  | 678.6  | 689.1  |
| 165°   | 594.6 | 598.1  | 601.6 | 612.1 | 620.3 | 627.3 | 635.4 | 645.9 | 655.2  | 663.4  | 671.6  |
| 167.5° | 599.3 | 601.6  | 603.9 | 612.1 | 619.1 | 622.6 | 628.4 | 635.4 | 642.4  | 649.4  | 655.2  |
| 170°   | 601.6 | 603.4  | 605.1 | 610.9 | 616.8 | 619.1 | 622.6 | 627.3 | 633.1  | 636.6  | 641.3  |
| 172.5° | 603.9 | 605.1  | 606.3 | 609.8 | 613.3 | 614.4 | 615.6 | 619.1 | 622.6  | 624.9  | 628.4  |
| 175°   | 605.1 | 605.7  | 606.3 | 608.6 | 610.9 | 609.8 | 610.9 | 612.1 | 615.6  | 616.8  | 617.9  |
| 177.5° | 606.3 | 606.3  | 606.3 | 607.4 | 609.8 | 607.4 | 606.3 | 607.4 | 609.8  | 609.8  | 610.9  |
| 180°   | 606.3 | 606.3  | 606.3 | 606.3 | 606.3 | 606.3 | 606.3 | 606.3 | 606.3  | 606.3  | 606.3  |



TEST NUMBER: P998413

CATALOG NUMBER: SA2XXDIP-B485D1080UB35-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 971.8  | 971.8  | 971.8  | 971.8  | 971.8  | 971.8  | 971.8  | 971.8  | 971.8  | 971.8  | 971.8  |
| 2.5°   | 926.2  | 928.4  | 923.2  | 921.7  | 923.2  | 918.0  | 919.5  | 921.0  | 921.0  | 923.2  | 924.7  |
| 5°     | 872.4  | 869.4  | 864.2  | 862.7  | 861.2  | 863.5  | 862.0  | 864.2  | 864.9  | 870.2  | 870.9  |
| 7.5°   | 819.4  | 814.9  | 810.4  | 805.9  | 804.4  | 800.7  | 804.4  | 804.4  | 809.7  | 808.2  | 811.9  |
| 10°    | 756.6  | 755.9  | 749.9  | 747.7  | 744.7  | 738.7  | 746.9  | 744.7  | 748.4  | 755.1  | 756.6  |
| 12.5°  | 710.3  | 702.1  | 705.9  | 695.4  | 699.1  | 693.2  | 693.9  | 693.9  | 699.9  | 700.6  | 699.1  |
| 15°    | 666.3  | 659.5  | 649.8  | 645.4  | 643.1  | 640.1  | 649.8  | 650.6  | 646.1  | 656.6  | 652.8  |
| 17.5°  | 621.4  | 621.4  | 612.5  | 610.2  | 604.3  | 607.3  | 605.8  | 606.5  | 605.0  | 612.5  | 616.2  |
| 20°    | 582.6  | 578.9  | 575.9  | 576.6  | 569.2  | 567.7  | 566.2  | 567.7  | 572.9  | 578.1  | 579.6  |
| 22.5°  | 551.2  | 549.0  | 541.5  | 543.0  | 537.0  | 539.3  | 537.8  | 541.5  | 542.3  | 542.3  | 547.5  |
| 25°    | 521.4  | 518.4  | 519.1  | 516.1  | 513.9  | 513.9  | 511.6  | 513.9  | 516.9  | 518.4  | 519.1  |
| 27.5°  | 499.0  | 496.7  | 493.0  | 490.7  | 492.2  | 488.5  | 491.5  | 493.7  | 493.7  | 492.2  | 493.7  |
| 30°    | 472.1  | 473.6  | 473.6  | 466.1  | 469.1  | 467.6  | 469.8  | 471.3  | 471.3  | 472.1  | 470.6  |
| 32.5°  | 454.1  | 449.7  | 448.9  | 448.2  | 448.2  | 445.2  | 445.2  | 447.4  | 448.2  | 448.9  | 451.1  |
| 35°    | 430.2  | 430.2  | 426.5  | 428.7  | 425.8  | 426.5  | 425.8  | 426.5  | 428.0  | 425.8  | 428.0  |
| 37.5°  | 408.6  | 409.3  | 407.8  | 409.3  | 410.1  | 408.6  | 407.1  | 410.1  | 408.6  | 408.6  | 407.1  |
| 40°    | 389.9  | 389.2  | 389.9  | 389.9  | 389.9  | 390.6  | 389.2  | 389.2  | 389.2  | 387.7  | 386.2  |
| 42.5°  | 374.2  | 369.7  | 371.2  | 372.0  | 369.7  | 369.7  | 370.5  | 369.7  | 372.0  | 367.5  | 367.5  |
| 45°    | 351.8  | 350.3  | 351.1  | 351.1  | 352.6  | 350.3  | 351.8  | 352.6  | 350.3  | 349.6  | 348.1  |
| 47.5°  | 331.6  | 333.1  | 331.6  | 333.1  | 333.1  | 334.6  | 331.6  | 332.4  | 333.1  | 330.1  | 327.9  |
| 50°    | 311.5  | 311.5  | 313.7  | 313.0  | 313.7  | 312.2  | 312.2  | 311.5  | 312.2  | 310.7  | 308.5  |
| 52.5°  | 292.8  | 290.6  | 294.3  | 293.5  | 292.8  | 292.1  | 291.3  | 292.1  | 290.6  | 289.1  | 289.1  |
| 55°    | 269.6  | 269.6  | 271.9  | 272.6  | 272.6  | 271.1  | 269.6  | 270.4  | 269.6  | 268.9  | 268.1  |
| 57.5°  | 251.0  | 248.0  | 249.5  | 250.2  | 250.2  | 248.0  | 249.5  | 248.0  | 248.0  | 248.7  | 246.5  |
| 60°    | 227.1  | 227.1  | 225.6  | 227.8  | 227.8  | 226.3  | 226.3  | 227.1  | 225.6  | 224.8  | 224.1  |
| 62.5°  | 201.7  | 202.4  | 204.7  | 205.4  | 206.2  | 204.7  | 203.2  | 203.9  | 203.9  | 201.7  | 202.4  |
| 65°    | 180.0  | 181.5  | 184.5  | 183.7  | 182.3  | 183.0  | 181.5  | 182.3  | 180.0  | 180.8  | 178.5  |
| 67.5°  | 159.1  | 158.3  | 159.1  | 159.1  | 160.6  | 159.8  | 158.3  | 158.3  | 157.6  | 159.8  | 157.6  |
| 70°    | 136.7  | 136.7  | 136.7  | 136.7  | 137.4  | 138.2  | 136.7  | 135.2  | 135.9  | 134.4  | 133.7  |
| 72.5°  | 113.5  | 114.3  | 113.5  | 115.0  | 112.8  | 114.3  | 114.3  | 113.5  | 112.8  | 112.8  | 112.8  |
| 75°    | 91.9   | 93.4   | 91.1   | 91.9   | 91.1   | 92.6   | 91.9   | 91.9   | 90.4   | 89.6   | 90.4   |
| 77.5°  | 70.2   | 71.0   | 69.5   | 70.2   | 69.5   | 70.2   | 70.2   | 69.5   | 69.5   | 69.5   | 69.5   |
| 80°    | 50.0   | 50.8   | 50.0   | 49.3   | 48.6   | 50.0   | 48.6   | 49.3   | 50.0   | 49.3   | 50.8   |
| 82.5°  | 32.1   | 32.1   | 31.4   | 32.1   | 30.6   | 30.6   | 31.4   | 31.4   | 30.6   | 32.1   | 30.6   |
| 85°    | 15.7   | 15.7   | 17.2   | 15.7   | 14.9   | 14.9   | 14.9   | 15.7   | 14.9   | 16.4   | 15.7   |
| 87.5°  | 3.7    | 3.0    | 3.7    | 3.7    | 3.0    | 3.0    | 3.7    | 3.0    | 3.7    | 4.5    | 3.0    |
| 90°    | 37.9   | 38.5   | 38.5   | 38.5   | 38.5   | 38.5   | 38.5   | 38.5   | 38.5   | 38.5   | 37.9   |
| 92.5°  | 82.8   | 78.1   | 77.0   | 72.3   | 73.5   | 71.1   | 73.5   | 72.3   | 77.0   | 78.1   | 82.8   |
| 95°    | 172.6  | 159.7  | 144.6  | 135.2  | 131.7  | 132.9  | 131.7  | 135.2  | 144.6  | 159.7  | 172.6  |
| 97.5°  | 346.3  | 311.3  | 265.8  | 242.5  | 229.7  | 222.7  | 229.7  | 242.5  | 265.8  | 311.3  | 346.3  |
| 100°   | 689.7  | 619.1  | 522.3  | 472.2  | 438.4  | 417.4  | 438.4  | 472.2  | 522.3  | 619.1  | 689.7  |
| 102.5° | 1165.9 | 1090.1 | 982.9  | 888.4  | 844.1  | 813.8  | 844.1  | 888.4  | 982.9  | 1090.1 | 1165.9 |
| 105°   | 1544.2 | 1525.0 | 1452.7 | 1380.4 | 1330.3 | 1314.0 | 1330.3 | 1380.4 | 1452.7 | 1525.0 | 1544.2 |
| 107.5° | 1681.2 | 1704.6 | 1703.4 | 1692.9 | 1677.7 | 1650.9 | 1677.7 | 1692.9 | 1703.4 | 1704.6 | 1681.2 |
| 110°   | 1659.1 | 1706.9 | 1757.0 | 1779.2 | 1789.7 | 1788.5 | 1789.7 | 1779.2 | 1757.0 | 1706.9 | 1659.1 |



TEST NUMBER: P998413

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**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1583.8 | 1640.4 | 1715.1 | 1755.9 | 1778.0 | 1786.2 | 1778.0 | 1755.9 | 1715.1 | 1640.4 | 1583.8 |
| 115°   | 1491.8 | 1551.8 | 1634.6 | 1688.2 | 1718.6 | 1729.0 | 1718.6 | 1688.2 | 1634.6 | 1551.8 | 1491.8 |
| 117.5° | 1403.8 | 1460.9 | 1546.0 | 1603.1 | 1634.6 | 1642.8 | 1634.6 | 1603.1 | 1546.0 | 1460.9 | 1403.8 |
| 120°   | 1325.0 | 1378.1 | 1459.7 | 1514.5 | 1548.3 | 1560.0 | 1548.3 | 1514.5 | 1459.7 | 1378.1 | 1325.0 |
| 122.5° | 1263.8 | 1310.5 | 1381.6 | 1435.2 | 1464.4 | 1473.7 | 1464.4 | 1435.2 | 1381.6 | 1310.5 | 1263.8 |
| 125°   | 1208.4 | 1252.2 | 1319.8 | 1364.1 | 1393.3 | 1402.6 | 1393.3 | 1364.1 | 1319.8 | 1252.2 | 1208.4 |
| 127.5° | 1161.2 | 1202.1 | 1261.5 | 1303.5 | 1329.1 | 1336.1 | 1329.1 | 1303.5 | 1261.5 | 1202.1 | 1161.2 |
| 130°   | 1113.4 | 1151.9 | 1209.0 | 1248.7 | 1272.0 | 1281.3 | 1272.0 | 1248.7 | 1209.0 | 1151.9 | 1113.4 |
| 132.5° | 1063.9 | 1099.5 | 1155.4 | 1195.1 | 1216.0 | 1224.2 | 1216.0 | 1195.1 | 1155.4 | 1099.5 | 1063.9 |
| 135°   | 1015.6 | 1048.2 | 1098.3 | 1136.8 | 1157.7 | 1162.4 | 1157.7 | 1136.8 | 1098.3 | 1048.2 | 1015.6 |
| 137.5° | 966.6  | 995.7  | 1043.5 | 1077.3 | 1096.0 | 1103.0 | 1096.0 | 1077.3 | 1043.5 | 995.7  | 966.6  |
| 140°   | 923.4  | 949.1  | 986.4  | 1016.7 | 1034.2 | 1041.2 | 1034.2 | 1016.7 | 986.4  | 949.1  | 923.4  |
| 142.5° | 882.0  | 902.4  | 937.4  | 964.2  | 979.4  | 979.4  | 979.4  | 964.2  | 937.4  | 902.4  | 882.0  |
| 145°   | 848.2  | 865.1  | 893.1  | 912.9  | 924.6  | 928.1  | 924.6  | 912.9  | 893.1  | 865.1  | 848.2  |
| 147.5° | 818.4  | 831.3  | 855.8  | 872.1  | 880.3  | 882.6  | 880.3  | 872.1  | 855.8  | 831.3  | 818.4  |
| 150°   | 792.8  | 803.3  | 820.8  | 834.8  | 841.8  | 843.0  | 841.8  | 834.8  | 820.8  | 803.3  | 792.8  |
| 152.5° | 771.2  | 780.0  | 792.8  | 804.5  | 809.1  | 809.1  | 809.1  | 804.5  | 792.8  | 780.0  | 771.2  |
| 155°   | 750.3  | 756.7  | 769.5  | 777.7  | 782.3  | 780.0  | 782.3  | 777.7  | 769.5  | 756.7  | 750.3  |
| 157.5° | 730.4  | 735.7  | 745.0  | 752.0  | 754.3  | 754.3  | 754.3  | 752.0  | 745.0  | 735.7  | 730.4  |
| 160°   | 710.6  | 714.7  | 722.9  | 728.7  | 729.9  | 729.9  | 729.9  | 728.7  | 722.9  | 714.7  | 710.6  |
| 162.5° | 692.0  | 694.9  | 703.0  | 706.5  | 707.7  | 706.5  | 707.7  | 706.5  | 703.0  | 694.9  | 692.0  |
| 165°   | 673.9  | 676.2  | 680.9  | 685.6  | 685.6  | 684.4  | 685.6  | 685.6  | 680.9  | 676.2  | 673.9  |
| 167.5° | 657.6  | 659.9  | 662.2  | 664.6  | 664.6  | 663.4  | 664.6  | 664.6  | 662.2  | 659.9  | 657.6  |
| 170°   | 642.4  | 643.6  | 644.7  | 648.2  | 647.1  | 644.7  | 647.1  | 648.2  | 644.7  | 643.6  | 642.4  |
| 172.5° | 629.0  | 629.6  | 630.8  | 631.9  | 630.8  | 629.6  | 630.8  | 631.9  | 630.8  | 629.6  | 629.0  |
| 175°   | 618.5  | 619.1  | 619.1  | 620.3  | 619.1  | 616.8  | 619.1  | 620.3  | 619.1  | 619.1  | 618.5  |
| 177.5° | 610.9  | 610.9  | 610.9  | 610.9  | 609.8  | 607.4  | 609.8  | 610.9  | 610.9  | 610.9  | 610.9  |
| 180°   | 606.3  | 606.3  | 606.3  | 606.3  | 606.3  | 606.3  | 606.3  | 606.3  | 606.3  | 606.3  | 606.3  |

TEST NUMBER: P998413

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**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|--------|-------|
| 0°     | 971.8  | 971.8  | 971.8  | 971.8  | 971.8 | 971.8 | 971.8 | 971.8 | 971.8 | 971.8  | 971.8 |
| 2.5°   | 922.5  | 928.4  | 926.2  | 918.0  | 927.7 | 927.7 | 934.4 | 934.4 | 942.6 | 945.6  | 950.1 |
| 5°     | 870.2  | 874.7  | 878.4  | 874.7  | 881.4 | 891.8 | 897.8 | 903.0 | 914.2 | 918.7  | 925.5 |
| 7.5°   | 814.2  | 822.4  | 826.1  | 826.1  | 837.3 | 849.3 | 861.2 | 868.7 | 884.4 | 890.3  | 897.1 |
| 10°    | 759.6  | 769.3  | 776.8  | 776.1  | 794.7 | 802.2 | 817.1 | 834.3 | 850.0 | 859.0  | 868.7 |
| 12.5°  | 702.1  | 707.3  | 717.8  | 732.7  | 737.2 | 750.7 | 767.8 | 789.5 | 817.9 | 826.1  | 840.3 |
| 15°    | 654.3  | 668.5  | 676.7  | 683.4  | 693.9 | 706.6 | 725.3 | 746.2 | 774.6 | 792.5  | 807.4 |
| 17.5°  | 614.0  | 632.7  | 637.9  | 636.4  | 649.8 | 669.3 | 690.9 | 706.6 | 732.0 | 753.7  | 767.8 |
| 20°    | 581.1  | 588.6  | 597.5  | 601.3  | 611.7 | 632.7 | 653.6 | 671.5 | 692.4 | 709.6  | 726.0 |
| 22.5°  | 548.2  | 554.2  | 561.7  | 568.4  | 576.6 | 588.6 | 608.8 | 631.2 | 651.3 | 667.8  | 686.4 |
| 25°    | 521.4  | 525.1  | 531.8  | 537.0  | 546.0 | 554.2 | 568.4 | 593.1 | 617.0 | 626.7  | 643.1 |
| 27.5°  | 495.2  | 498.2  | 502.7  | 508.7  | 513.1 | 521.4 | 534.1 | 554.2 | 578.9 | 588.6  | 611.0 |
| 30°    | 472.1  | 474.3  | 478.8  | 481.8  | 484.0 | 493.7 | 503.4 | 519.1 | 537.8 | 551.2  | 567.7 |
| 32.5°  | 450.4  | 452.6  | 457.1  | 457.9  | 460.9 | 466.1 | 475.0 | 489.2 | 505.7 | 516.9  | 531.1 |
| 35°    | 426.5  | 428.0  | 432.5  | 434.0  | 436.2 | 440.7 | 447.4 | 457.9 | 472.8 | 481.0  | 493.7 |
| 37.5°  | 407.8  | 407.1  | 410.1  | 412.3  | 415.3 | 417.5 | 419.8 | 430.2 | 441.4 | 448.9  | 458.6 |
| 40°    | 387.7  | 386.2  | 386.9  | 389.9  | 391.4 | 394.4 | 394.4 | 404.8 | 412.3 | 418.3  | 425.8 |
| 42.5°  | 367.5  | 366.7  | 365.3  | 366.7  | 368.2 | 369.0 | 369.7 | 377.2 | 384.7 | 389.9  | 398.1 |
| 45°    | 347.3  | 346.6  | 345.1  | 345.8  | 345.8 | 347.3 | 349.6 | 352.6 | 357.8 | 362.3  | 366.7 |
| 47.5°  | 328.7  | 327.2  | 324.9  | 324.2  | 325.7 | 325.7 | 325.7 | 328.7 | 333.9 | 335.4  | 339.9 |
| 50°    | 309.2  | 307.0  | 304.0  | 302.5  | 302.5 | 301.8 | 303.3 | 304.0 | 308.5 | 310.0  | 313.7 |
| 52.5°  | 288.3  | 286.8  | 283.8  | 280.8  | 281.6 | 280.1 | 280.8 | 281.6 | 283.1 | 285.3  | 287.6 |
| 55°    | 267.4  | 264.4  | 262.2  | 261.4  | 259.2 | 259.2 | 256.9 | 259.9 | 259.2 | 259.9  | 262.9 |
| 57.5°  | 247.2  | 244.2  | 240.5  | 239.0  | 236.8 | 236.0 | 234.5 | 233.8 | 234.5 | 236.8  | 239.0 |
| 60°    | 223.3  | 221.8  | 219.6  | 217.4  | 215.9 | 213.6 | 212.1 | 212.1 | 211.4 | 211.4  | 212.1 |
| 62.5°  | 200.2  | 199.4  | 196.4  | 195.7  | 194.2 | 192.7 | 190.5 | 189.0 | 189.0 | 190.5  | 191.2 |
| 65°    | 177.8  | 177.0  | 174.8  | 174.0  | 170.3 | 168.8 | 168.1 | 167.3 | 165.8 | 165.8  | 165.8 |
| 67.5°  | 156.9  | 154.6  | 154.6  | 150.9  | 147.9 | 146.4 | 144.9 | 144.2 | 144.2 | 144.2  | 144.9 |
| 70°    | 133.7  | 133.7  | 131.5  | 129.2  | 126.2 | 127.0 | 124.7 | 122.5 | 122.5 | 121.0  | 121.8 |
| 72.5°  | 111.3  | 110.5  | 108.3  | 107.6  | 105.3 | 103.1 | 101.6 | 103.1 | 100.8 | 100.1  | 100.8 |
| 75°    | 89.6   | 88.9   | 87.4   | 85.9   | 86.6  | 84.4  | 82.2  | 81.4  | 81.4  | 79.9   | 79.9  |
| 77.5°  | 68.7   | 70.2   | 67.2   | 66.5   | 65.0  | 63.5  | 62.7  | 62.0  | 62.0  | 62.0   | 63.5  |
| 80°    | 47.8   | 48.6   | 48.6   | 47.1   | 47.8  | 45.6  | 45.6  | 45.6  | 43.3  | 44.1   | 44.8  |
| 82.5°  | 30.6   | 30.6   | 29.9   | 30.6   | 29.9  | 29.9  | 29.1  | 29.1  | 28.4  | 28.4   | 29.1  |
| 85°    | 17.2   | 16.4   | 15.7   | 17.2   | 16.4  | 16.4  | 15.7  | 15.7  | 15.7  | 15.7   | 15.7  |
| 87.5°  | 3.7    | 4.5    | 4.5    | 4.5    | 4.5   | 5.2   | 5.2   | 5.2   | 6.0   | 6.0    | 6.0   |
| 90°    | 37.3   | 35.0   | 37.3   | 38.5   | 39.6  | 38.5  | 31.5  | 23.3  | 17.5  | 15.8   | 14.0  |
| 92.5°  | 87.4   | 100.3  | 117.8  | 150.4  | 179.6 | 177.2 | 137.6 | 93.3  | 61.8  | 55.4   | 49.0  |
| 95°    | 185.4  | 234.3  | 305.5  | 399.9  | 457.0 | 404.6 | 269.3 | 167.9 | 114.3 | 100.3  | 86.3  |
| 97.5°  | 381.3  | 499.0  | 624.9  | 750.8  | 745.0 | 576.0 | 357.9 | 216.9 | 148.1 | 132.4  | 116.6 |
| 100°   | 760.2  | 919.9  | 1064.5 | 1089.0 | 921.1 | 634.3 | 382.4 | 240.2 | 178.4 | 162.0  | 145.7 |
| 102.5° | 1241.7 | 1347.8 | 1352.5 | 1214.9 | 926.9 | 612.1 | 383.6 | 261.2 | 205.2 | 188.9  | 172.6 |
| 105°   | 1563.5 | 1548.3 | 1416.6 | 1174.1 | 863.9 | 581.8 | 389.4 | 285.6 | 230.9 | 214.6  | 198.2 |
| 107.5° | 1657.9 | 1543.7 | 1347.8 | 1087.8 | 805.6 | 565.5 | 402.2 | 310.1 | 256.5 | 240.2  | 223.9 |
| 110°   | 1611.3 | 1462.1 | 1253.4 | 1007.3 | 766.0 | 560.8 | 418.6 | 334.6 | 283.3 | 266.4  | 249.5 |

TEST NUMBER: P998413

CATALOG NUMBER: SA2XXDIP-B485D1080UB35-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 1527.3 | 1365.3 | 1167.1 | 951.4 | 740.4 | 562.0 | 436.1 | 357.9 | 309.0 | 291.5  | 274.0 |
| 115°   | 1431.7 | 1279.0 | 1099.5 | 907.1 | 722.9 | 566.6 | 453.5 | 382.4 | 332.3 | 316.6  | 300.8 |
| 117.5° | 1346.6 | 1204.4 | 1043.5 | 876.8 | 713.5 | 573.6 | 472.2 | 404.6 | 357.9 | 341.6  | 325.3 |
| 120°   | 1272.0 | 1148.4 | 1003.8 | 853.4 | 705.4 | 580.6 | 490.8 | 427.9 | 382.4 | 366.1  | 349.8 |
| 122.5° | 1217.2 | 1101.8 | 972.4  | 833.6 | 700.7 | 588.8 | 507.2 | 450.0 | 408.1 | 391.2  | 374.3 |
| 125°   | 1164.7 | 1062.1 | 942.1  | 815.0 | 694.9 | 596.9 | 524.7 | 472.2 | 430.2 | 413.9  | 397.6 |
| 127.5° | 1120.4 | 1022.5 | 911.7  | 797.5 | 691.4 | 605.1 | 541.0 | 493.2 | 452.4 | 435.5  | 418.6 |
| 130°   | 1075.0 | 982.9  | 882.6  | 780.0 | 689.1 | 614.4 | 556.1 | 511.8 | 471.0 | 454.7  | 438.4 |
| 132.5° | 1028.3 | 945.6  | 854.6  | 766.0 | 687.9 | 623.8 | 571.3 | 528.2 | 489.7 | 473.4  | 457.0 |
| 135°   | 982.9  | 905.9  | 829.0  | 753.2 | 686.7 | 630.8 | 584.1 | 543.3 | 506.0 | 489.7  | 473.4 |
| 137.5° | 937.4  | 874.4  | 808.0  | 743.9 | 686.7 | 637.8 | 594.6 | 556.1 | 518.8 | 503.6  | 488.5 |
| 140°   | 897.8  | 844.1  | 788.2  | 735.7 | 685.6 | 642.4 | 602.8 | 566.6 | 531.7 | 516.5  | 501.3 |
| 142.5° | 861.6  | 817.3  | 771.8  | 727.5 | 685.6 | 645.9 | 609.8 | 574.8 | 541.0 | 527.0  | 513.0 |
| 145°   | 831.3  | 795.2  | 756.7  | 720.5 | 683.2 | 648.2 | 615.6 | 583.0 | 551.5 | 538.6  | 525.8 |
| 147.5° | 805.6  | 776.5  | 745.0  | 713.5 | 679.7 | 649.4 | 619.1 | 590.0 | 559.6 | 548.0  | 536.3 |
| 150°   | 782.3  | 757.8  | 732.2  | 704.2 | 676.2 | 648.2 | 621.4 | 594.6 | 567.8 | 557.3  | 546.8 |
| 152.5° | 762.5  | 742.7  | 719.4  | 696.0 | 670.4 | 645.9 | 622.6 | 599.3 | 576.0 | 566.6  | 557.3 |
| 155°   | 743.9  | 726.4  | 707.7  | 685.6 | 663.4 | 643.6 | 623.8 | 603.9 | 584.1 | 575.4  | 566.6 |
| 157.5° | 725.2  | 710.0  | 693.7  | 676.2 | 656.4 | 638.9 | 623.8 | 607.4 | 590.0 | 582.4  | 574.8 |
| 160°   | 706.5  | 693.7  | 680.9  | 665.7 | 649.4 | 635.4 | 623.8 | 609.8 | 595.8 | 589.4  | 583.0 |
| 162.5° | 689.1  | 678.6  | 668.1  | 656.4 | 643.6 | 631.9 | 622.6 | 610.9 | 599.3 | 594.6  | 590.0 |
| 165°   | 671.6  | 663.4  | 655.2  | 645.9 | 635.4 | 627.3 | 620.3 | 612.1 | 601.6 | 598.1  | 594.6 |
| 167.5° | 655.2  | 649.4  | 642.4  | 635.4 | 628.4 | 622.6 | 619.1 | 612.1 | 603.9 | 601.6  | 599.3 |
| 170°   | 641.3  | 636.6  | 633.1  | 627.3 | 622.6 | 619.1 | 616.8 | 610.9 | 605.1 | 603.4  | 601.6 |
| 172.5° | 628.4  | 624.9  | 622.6  | 619.1 | 615.6 | 614.4 | 613.3 | 609.8 | 606.3 | 605.1  | 603.9 |
| 175°   | 617.9  | 616.8  | 615.6  | 612.1 | 610.9 | 609.8 | 610.9 | 608.6 | 606.3 | 605.7  | 605.1 |
| 177.5° | 610.9  | 609.8  | 609.8  | 607.4 | 606.3 | 607.4 | 609.8 | 607.4 | 606.3 | 606.3  | 606.3 |
| 180°   | 606.3  | 606.3  | 606.3  | 606.3 | 606.3 | 606.3 | 606.3 | 606.3 | 606.3 | 606.3  | 606.3 |

TEST NUMBER: P998413

CATALOG NUMBER: SA2XXDIP-B485D1080UB35-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 0°     | 971.8 | 971.8 | 971.8 | 971.8 |
| 2.5°   | 953.8 | 953.8 | 965.0 | 977.0 |
| 5°     | 932.9 | 938.1 | 956.1 | 972.5 |
| 7.5°   | 912.8 | 921.7 | 944.1 | 965.0 |
| 10°    | 888.1 | 900.1 | 927.7 | 952.3 |
| 12.5°  | 864.2 | 875.4 | 907.5 | 935.2 |
| 15°    | 830.6 | 844.8 | 879.1 | 913.5 |
| 17.5°  | 797.0 | 811.2 | 853.0 | 893.3 |
| 20°    | 757.4 | 776.1 | 823.1 | 876.9 |
| 22.5°  | 720.8 | 743.9 | 796.2 | 839.6 |
| 25°    | 680.5 | 716.3 | 764.9 | 820.9 |
| 27.5°  | 644.6 | 680.5 | 729.8 | 786.5 |
| 30°    | 604.3 | 640.9 | 691.7 | 743.9 |
| 32.5°  | 565.4 | 599.0 | 648.3 | 712.6 |
| 35°    | 525.1 | 557.2 | 605.0 | 670.0 |
| 37.5°  | 488.5 | 519.9 | 572.2 | 631.9 |
| 40°    | 452.6 | 485.5 | 530.3 | 590.1 |
| 42.5°  | 419.0 | 448.2 | 488.5 | 548.2 |
| 45°    | 388.4 | 409.3 | 446.7 | 502.7 |
| 47.5°  | 356.3 | 375.0 | 409.3 | 465.3 |
| 50°    | 326.4 | 342.1 | 372.0 | 424.3 |
| 52.5°  | 297.3 | 310.7 | 338.4 | 380.2 |
| 55°    | 271.1 | 283.8 | 304.0 | 345.1 |
| 57.5°  | 244.2 | 254.0 | 273.4 | 306.2 |
| 60°    | 218.1 | 227.1 | 242.8 | 269.6 |
| 62.5°  | 192.0 | 199.4 | 214.4 | 236.0 |
| 65°    | 168.8 | 174.8 | 186.0 | 204.7 |
| 67.5°  | 146.4 | 150.1 | 159.1 | 174.0 |
| 70°    | 124.7 | 127.7 | 135.2 | 147.1 |
| 72.5°  | 101.6 | 104.6 | 112.8 | 121.0 |
| 75°    | 82.2  | 82.9  | 88.9  | 95.6  |
| 77.5°  | 64.2  | 63.5  | 68.0  | 73.2  |
| 80°    | 44.1  | 46.3  | 50.0  | 52.3  |
| 82.5°  | 29.9  | 30.6  | 32.1  | 33.6  |
| 85°    | 16.4  | 17.2  | 17.2  | 19.4  |
| 87.5°  | 6.7   | 7.5   | 7.5   | 8.2   |
| 90°    | 11.7  | 9.3   | 4.7   | 1.2   |
| 92.5°  | 39.6  | 33.8  | 24.5  | 17.5  |
| 95°    | 67.6  | 57.1  | 45.5  | 40.8  |
| 97.5°  | 95.6  | 80.4  | 67.6  | 60.6  |
| 100°   | 122.4 | 103.8 | 93.3  | 89.8  |
| 102.5° | 148.1 | 129.4 | 118.9 | 116.6 |
| 105°   | 172.6 | 155.1 | 146.9 | 142.2 |
| 107.5° | 198.2 | 181.9 | 173.7 | 170.2 |
| 110°   | 225.0 | 209.9 | 202.9 | 198.2 |



TEST NUMBER: P998413

CATALOG NUMBER: SA2XXDIP-B485D1080UB35-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 250.7 | 236.7 | 228.5 | 223.9 |
| 115°   | 277.5 | 263.5 | 256.5 | 250.7 |
| 117.5° | 303.1 | 290.3 | 283.3 | 278.7 |
| 120°   | 326.5 | 316.0 | 309.0 | 304.3 |
| 122.5° | 350.9 | 339.3 | 332.3 | 328.8 |
| 125°   | 374.3 | 360.3 | 353.3 | 349.8 |
| 127.5° | 396.4 | 381.3 | 371.9 | 367.3 |
| 130°   | 415.1 | 398.7 | 387.1 | 382.4 |
| 132.5° | 432.6 | 415.1 | 402.2 | 396.4 |
| 135°   | 446.5 | 429.1 | 415.1 | 410.4 |
| 137.5° | 461.7 | 443.0 | 429.1 | 423.2 |
| 140°   | 475.7 | 457.0 | 443.0 | 438.4 |
| 142.5° | 488.5 | 469.9 | 457.0 | 453.5 |
| 145°   | 502.5 | 485.0 | 473.4 | 468.7 |
| 147.5° | 516.5 | 500.2 | 488.5 | 485.0 |
| 150°   | 529.3 | 514.2 | 504.8 | 501.3 |
| 152.5° | 541.0 | 528.2 | 518.8 | 517.7 |
| 155°   | 553.8 | 541.0 | 534.0 | 532.8 |
| 157.5° | 564.3 | 552.6 | 546.8 | 545.6 |
| 160°   | 573.6 | 564.3 | 559.6 | 558.5 |
| 162.5° | 581.8 | 574.8 | 570.1 | 571.3 |
| 165°   | 588.8 | 581.8 | 579.5 | 580.6 |
| 167.5° | 594.6 | 590.0 | 587.6 | 588.8 |
| 170°   | 599.3 | 595.8 | 594.6 | 596.9 |
| 172.5° | 602.8 | 599.3 | 600.4 | 601.6 |
| 175°   | 605.1 | 602.8 | 603.9 | 605.1 |
| 177.5° | 606.3 | 603.9 | 605.1 | 607.4 |
| 180°   | 606.3 | 606.3 | 606.3 | 606.3 |

TEST NUMBER: P998413

CATALOG NUMBER: SA2XXDIP-B485D1080UB35-4F0-XX-W2A-A4

**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 | 13.59            | 14.30 | 14.68 | 15.39 | 16.88 | 11.08          | 11.80 | 12.18 | 12.88 | 14.37 |
|                 | 3H   | 14.39            | 15.03 | 15.49 | 16.12 | 17.63 | 12.42          | 13.06 | 13.52 | 14.15 | 15.66 |
|                 | 4H   | 14.55            | 15.16 | 15.66 | 16.25 | 17.76 | 12.87          | 13.48 | 13.98 | 14.57 | 16.08 |
|                 | 6H   | 14.59            | 15.15 | 15.71 | 16.25 | 17.77 | 13.17          | 13.73 | 14.29 | 14.83 | 16.35 |
|                 | 8H   | 14.57            | 15.09 | 15.69 | 16.21 | 17.73 | 13.25          | 13.78 | 14.38 | 14.89 | 16.41 |
|                 | 12H  | 14.52            | 15.03 | 15.65 | 16.13 | 17.67 | 13.29          | 13.79 | 14.42 | 14.90 | 16.44 |
| 4H              | 2H   | 13.61            | 14.22 | 14.73 | 15.31 | 16.83 | 11.51          | 12.12 | 12.63 | 13.21 | 14.72 |
|                 | 3H   | 14.58            | 15.08 | 15.71 | 16.21 | 17.73 | 12.96          | 13.46 | 14.08 | 14.59 | 16.11 |
|                 | 4H   | 14.85            | 15.31 | 15.98 | 16.43 | 17.97 | 13.49          | 13.95 | 14.62 | 15.06 | 16.61 |
|                 | 6H   | 14.98            | 15.37 | 16.11 | 16.50 | 18.04 | 13.86          | 14.26 | 14.99 | 15.39 | 16.93 |
|                 | 8H   | 14.97            | 15.34 | 16.10 | 16.47 | 18.02 | 13.97          | 14.34 | 15.10 | 15.46 | 17.02 |
|                 | 12H  | 14.93            | 15.26 | 16.08 | 16.40 | 17.96 | 14.02          | 14.35 | 15.17 | 15.49 | 17.05 |
| 8H              | 4H   | 14.85            | 15.22 | 15.98 | 16.35 | 17.90 | 13.62          | 13.99 | 14.75 | 15.12 | 16.67 |
|                 | 6H   | 15.02            | 15.33 | 16.18 | 16.50 | 18.05 | 14.05          | 14.35 | 15.20 | 15.52 | 17.07 |
|                 | 8H   | 15.05            | 15.32 | 16.21 | 16.47 | 18.04 | 14.20          | 14.46 | 15.36 | 15.61 | 17.18 |
|                 | 12H  | 15.03            | 15.26 | 16.19 | 16.41 | 18.01 | 14.28          | 14.52 | 15.45 | 15.66 | 17.27 |
| 12H             | 4H   | 14.80            | 15.14 | 15.95 | 16.27 | 17.83 | 13.59          | 13.92 | 14.74 | 15.06 | 16.62 |
|                 | 6H   | 15.00            | 15.27 | 16.16 | 16.42 | 17.99 | 14.05          | 14.31 | 15.21 | 15.46 | 17.03 |
|                 | 8H   | 15.03            | 15.26 | 16.19 | 16.41 | 18.01 | 14.20          | 14.43 | 15.36 | 15.58 | 17.18 |