

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: P998639

Luminaire Tested: SA2XXDIP-B485D925UB30-4F0-XX-W2A-A

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P998639  
REPORT IS A COMBINATION OF REPORTS P984382 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: SA2XXDIP-B485D925UB30-4F0-XX-W2A-A  
Description: Define 2 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}  
Light Source: -  
Ballast/Driver: -

**Summary**

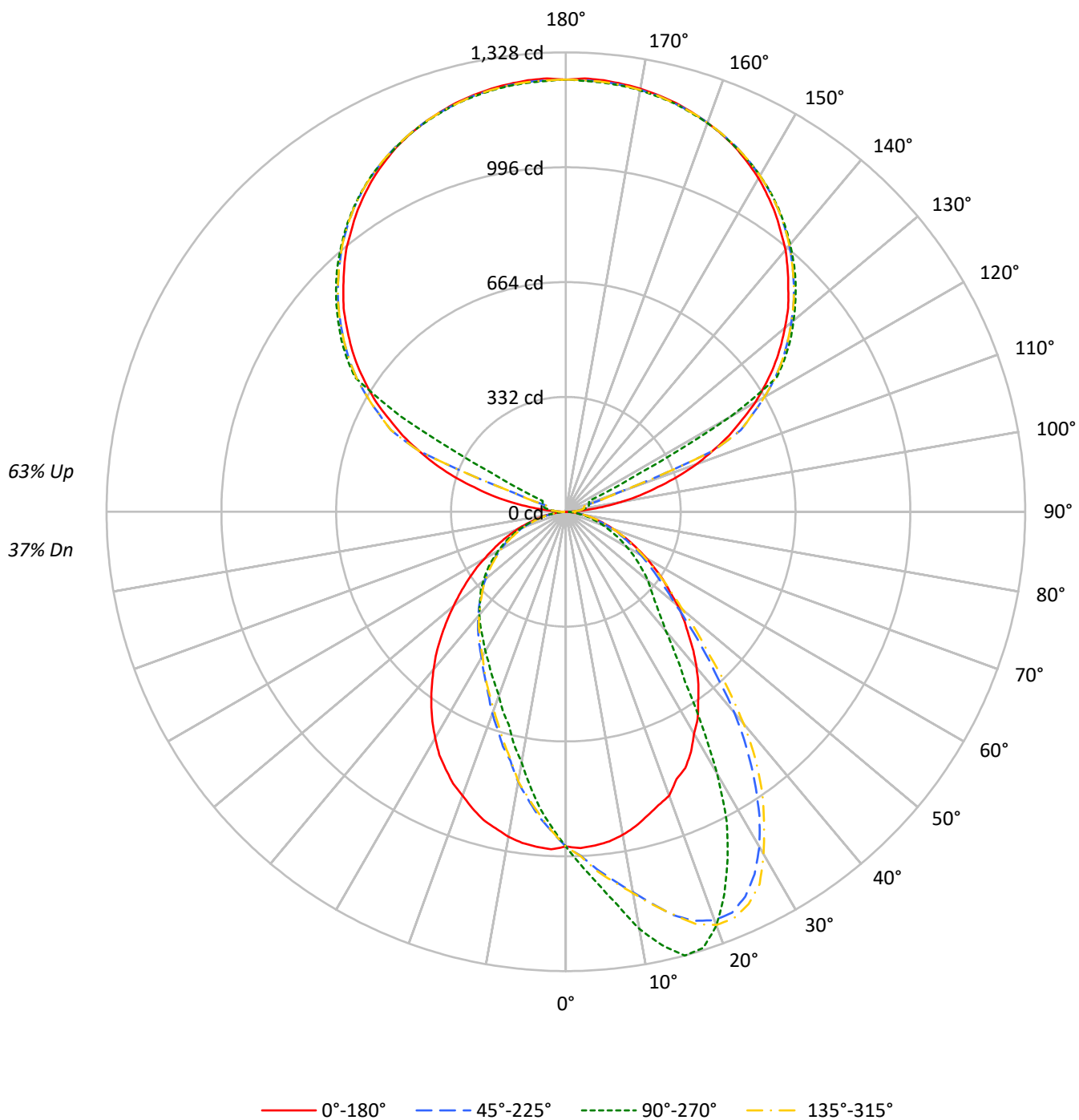
Lumens per Lamp: N/A  
Luminaire Lumens: 5800.0 lumens  
Efficiency: N/A  
Efficacy: 110.5 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')  
CIE Type: Semi-Indirect

Input Watts (W): 52.5  
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: P998639

CATALOG NUMBER: SA2XXDIP-B485D925UB30-4F0-XX-W2A-A

### Luminous Intensity Polar Plot



TEST NUMBER: P998639

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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   | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 94 | 76 | 76 | 76 | 59 | 59 | 59 | 44 | 44 | 44 |
| 1   | 95  | 91  | 87  | 84  | 86 | 83 | 80 | 77 | 67 | 65 | 63 | 53 | 51 | 50 | 39 | 39 | 38 |
| 2   | 87  | 80  | 74  | 69  | 79 | 73 | 68 | 64 | 59 | 56 | 53 | 47 | 44 | 42 | 35 | 34 | 32 |
| 3   | 80  | 71  | 64  | 58  | 72 | 64 | 58 | 54 | 52 | 48 | 45 | 42 | 39 | 36 | 31 | 30 | 28 |
| 4   | 73  | 63  | 55  | 49  | 66 | 57 | 51 | 46 | 47 | 42 | 38 | 37 | 34 | 31 | 28 | 26 | 24 |
| 5   | 67  | 56  | 48  | 42  | 61 | 51 | 44 | 39 | 42 | 37 | 33 | 34 | 30 | 27 | 26 | 23 | 21 |
| 6   | 62  | 50  | 42  | 37  | 56 | 46 | 39 | 34 | 38 | 33 | 29 | 30 | 27 | 24 | 23 | 21 | 19 |
| 7   | 57  | 45  | 38  | 32  | 52 | 42 | 35 | 30 | 34 | 29 | 26 | 28 | 24 | 21 | 21 | 19 | 17 |
| 8   | 53  | 41  | 34  | 29  | 48 | 38 | 31 | 27 | 31 | 26 | 23 | 25 | 22 | 19 | 20 | 17 | 15 |
| 9   | 49  | 38  | 30  | 25  | 45 | 35 | 28 | 24 | 29 | 24 | 20 | 23 | 20 | 17 | 18 | 16 | 14 |
| 10  | 46  | 34  | 27  | 23  | 42 | 32 | 26 | 21 | 27 | 22 | 18 | 22 | 18 | 16 | 17 | 15 | 13 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 15318 | 15318 | 15318 | 15318 |
| 5°  | 15354 | 16332 | 15413 | 12993 |
| 10° | 15176 | 17829 | 15272 | 10713 |
| 15° | 14809 | 18805 | 15014 | 9023  |
| 20° | 14577 | 17657 | 14577 | 7843  |
| 25° | 14112 | 15170 | 14178 | 7013  |
| 30° | 13348 | 11925 | 13604 | 6353  |
| 35° | 12671 | 8246  | 12882 | 5813  |
| 40° | 11892 | 6226  | 12028 | 5382  |
| 45° | 10933 | 5116  | 11112 | 4916  |
| 50° | 10103 | 4491  | 10120 | 4501  |
| 55° | 9156  | 3826  | 9217  | 4049  |
| 60° | 8148  | 3196  | 8260  | 3535  |
| 65° | 7245  | 2599  | 7376  | 3018  |
| 70° | 6344  | 2040  | 6505  | 2434  |
| 75° | 5326  | 1481  | 5533  | 1765  |
| 80° | 4160  | 938   | 4455  | 1047  |
| 85° | 2726  | 473   | 2938  | 350   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 15834 cd/sqm

TEST NUMBER: P998639

CATALOG NUMBER: SA2XXDIP-B485D925UB30-4F0-XX-W2A-A

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 92.2   | 1.6       |
| 10°-20°   | 268.3  | 4.6       |
| 20°-30°   | 389.3  | 6.7       |
| 30°-40°   | 410.4  | 7.1       |
| 40°-50°   | 363.2  | 6.3       |
| 50°-60°   | 290.0  | 5.0       |
| 60°-70°   | 197.0  | 3.4       |
| 70°-80°   | 100.8  | 1.7       |
| 80°-90°   | 26.0   | 0.4       |
| 90°-100°  | 41.2   | 0.7       |
| 100°-110° | 153.6  | 2.6       |
| 110°-120° | 407.3  | 7.0       |
| 120°-130° | 675.6  | 11.6      |
| 130°-140° | 717.6  | 12.4      |
| 140°-150° | 666.9  | 11.5      |
| 150°-160° | 536.2  | 9.2       |
| 160°-170° | 345.5  | 6.0       |
| 170°-180° | 118.9  | 2.1       |
| 0°-30°    | 749.8  | 12.9      |
| 0°-40°    | 1160.2 | 20.0      |
| 0°-60°    | 1813.4 | 31.3      |
| 0°-90°    | 2137.2 | 36.8      |
| 90°-120°  | 602.1  | 10.4      |
| 90°-150°  | 2662.2 | 45.9      |
| 90°-180°  | 3663.0 | 63.2      |
| 0°-180°   | 5800.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 968  | 968  | 968  | 968  | 968  |      |
| 5°   | 968  | 1081 | 972  | 860  | 968  | 92   |
| 15°  | 910  | 1328 | 922  | 637  | 910  | 257  |
| 25°  | 817  | 1107 | 821  | 512  | 817  | 374  |
| 35°  | 667  | 602  | 678  | 425  | 667  | 417  |
| 45°  | 501  | 363  | 509  | 349  | 501  | 388  |
| 55°  | 344  | 255  | 346  | 270  | 344  | 307  |
| 65°  | 204  | 157  | 208  | 182  | 204  | 203  |
| 75°  | 95   | 77   | 99   | 92   | 95   | 102  |
| 85°  | 19   | 20   | 21   | 15   | 19   | 23   |
| 90°  | 1    | 24   | 1    | 24   | 1    | 4    |
| 95°  | 59   | 39   | 59   | 39   | 59   | 70   |
| 105° | 275  | 69   | 275  | 69   | 275  | 294  |
| 115° | 520  | 74   | 520  | 74   | 520  | 512  |
| 125° | 735  | 773  | 735  | 773  | 735  | 656  |
| 135° | 910  | 939  | 910  | 939  | 910  | 703  |
| 145° | 1055 | 1071 | 1055 | 1071 | 1055 | 660  |
| 155° | 1162 | 1163 | 1162 | 1163 | 1162 | 535  |
| 165° | 1224 | 1221 | 1224 | 1221 | 1224 | 346  |
| 175° | 1252 | 1245 | 1252 | 1245 | 1252 | 119  |
| 180° | 1249 | 1249 | 1249 | 1249 | 1249 |      |

TEST NUMBER: P998639

CATALOG NUMBER: SA2XXDIP-B485D925UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 967.7 | 967.7 | 967.7 | 967.7  | 967.7  | 967.7  | 967.7  | 967.7  | 967.7  | 967.7  | 967.7  |
| 2.5°   | 972.9 | 975.1 | 978.8 | 979.6  | 987.0  | 993.0  | 999.7  | 999.7  | 1001.9 | 1001.2 | 995.2  |
| 5°     | 968.4 | 975.1 | 984.8 | 993.0  | 1006.4 | 1012.3 | 1021.2 | 1027.9 | 1033.9 | 1038.3 | 1037.6 |
| 7.5°   | 961.0 | 972.9 | 987.0 | 1002.6 | 1020.5 | 1030.9 | 1043.5 | 1055.4 | 1063.6 | 1071.1 | 1076.3 |
| 10°    | 948.3 | 968.4 | 987.8 | 1008.6 | 1031.6 | 1045.8 | 1060.7 | 1076.3 | 1088.9 | 1103.1 | 1116.4 |
| 12.5°  | 931.2 | 960.2 | 984.0 | 1011.6 | 1039.8 | 1055.4 | 1079.3 | 1091.2 | 1115.7 | 1151.4 | 1161.1 |
| 15°    | 909.7 | 949.1 | 971.4 | 1006.4 | 1043.5 | 1056.2 | 1088.9 | 1108.3 | 1158.8 | 1181.2 | 1207.9 |
| 17.5°  | 889.6 | 933.5 | 963.2 | 1003.4 | 1039.8 | 1064.4 | 1096.4 | 1135.8 | 1178.2 | 1210.2 | 1239.9 |
| 20°    | 873.2 | 915.6 | 951.3 | 995.9  | 1042.1 | 1073.3 | 1106.8 | 1154.4 | 1200.5 | 1233.2 | 1256.3 |
| 22.5°  | 836.0 | 890.3 | 932.0 | 981.8  | 1037.6 | 1080.7 | 1112.7 | 1164.8 | 1214.6 | 1234.7 | 1254.8 |
| 25°    | 817.4 | 864.3 | 912.6 | 969.2  | 1034.6 | 1085.9 | 1113.5 | 1171.5 | 1215.4 | 1222.8 | 1227.3 |
| 27.5°  | 783.2 | 836.0 | 892.6 | 957.3  | 1033.9 | 1077.0 | 1112.0 | 1164.8 | 1199.7 | 1194.5 | 1181.2 |
| 30°    | 740.8 | 805.5 | 868.0 | 937.9  | 1023.5 | 1070.3 | 1103.1 | 1151.4 | 1169.3 | 1142.5 | 1118.7 |
| 32.5°  | 709.6 | 770.6 | 839.7 | 920.8  | 1011.6 | 1056.2 | 1088.2 | 1126.1 | 1129.8 | 1081.5 | 1041.3 |
| 35°    | 667.2 | 734.9 | 813.0 | 898.5  | 991.5  | 1031.6 | 1061.4 | 1084.5 | 1066.6 | 998.9  | 951.3  |
| 37.5°  | 629.3 | 696.2 | 779.5 | 866.5  | 964.0  | 1003.4 | 1027.2 | 1030.9 | 987.0  | 927.5  | 857.6  |
| 40°    | 587.6 | 656.8 | 743.8 | 835.3  | 933.5  | 967.7  | 982.6  | 971.4  | 908.2  | 839.0  | 757.9  |
| 42.5°  | 545.9 | 614.4 | 708.1 | 801.8  | 894.8  | 923.8  | 929.7  | 899.3  | 821.9  | 740.8  | 647.1  |
| 45°    | 500.6 | 572.0 | 665.7 | 760.2  | 850.2  | 866.5  | 867.3  | 823.4  | 731.9  | 647.1  | 560.1  |
| 47.5°  | 463.4 | 529.6 | 622.6 | 717.0  | 792.9  | 804.0  | 799.6  | 749.0  | 649.3  | 554.1  | 478.3  |
| 50°    | 422.5 | 485.7 | 577.9 | 670.9  | 735.6  | 738.6  | 727.4  | 655.3  | 557.8  | 470.8  | 410.6  |
| 52.5°  | 378.6 | 442.6 | 527.4 | 616.6  | 674.6  | 670.2  | 648.6  | 571.2  | 479.7  | 407.6  | 361.5  |
| 55°    | 343.6 | 400.2 | 479.7 | 566.8  | 607.7  | 595.0  | 571.2  | 492.4  | 420.2  | 359.3  | 319.1  |
| 57.5°  | 305.0 | 354.8 | 432.9 | 508.8  | 532.6  | 520.7  | 496.9  | 423.2  | 356.3  | 310.2  | 283.4  |
| 60°    | 268.5 | 313.9 | 382.3 | 445.5  | 464.1  | 451.5  | 424.0  | 357.8  | 309.4  | 270.7  | 250.7  |
| 62.5°  | 235.0 | 274.5 | 331.7 | 389.8  | 397.2  | 384.5  | 360.7  | 307.2  | 265.5  | 235.0  | 220.2  |
| 65°    | 203.8 | 241.0 | 287.1 | 331.0  | 337.7  | 324.3  | 299.8  | 261.1  | 226.1  | 206.8  | 192.6  |
| 67.5°  | 173.3 | 203.1 | 244.0 | 275.9  | 279.7  | 267.0  | 246.9  | 215.7  | 194.1  | 173.3  | 162.9  |
| 70°    | 146.5 | 168.8 | 200.8 | 226.9  | 228.3  | 216.4  | 206.0  | 177.8  | 161.4  | 146.5  | 138.3  |
| 72.5°  | 120.5 | 136.1 | 160.7 | 180.0  | 180.7  | 173.3  | 163.6  | 145.8  | 131.7  | 121.2  | 113.1  |
| 75°    | 95.2  | 108.6 | 123.5 | 140.6  | 139.8  | 133.9  | 126.4  | 115.3  | 103.4  | 96.7   | 93.0   |
| 77.5°  | 72.9  | 81.1  | 93.0  | 104.1  | 104.1  | 101.2  | 96.7   | 88.5   | 81.1   | 74.4   | 70.7   |
| 80°    | 52.1  | 57.3  | 66.9  | 70.7   | 72.1   | 71.4   | 67.7   | 61.7   | 58.8   | 53.6   | 52.1   |
| 82.5°  | 33.5  | 37.2  | 41.7  | 45.4   | 47.6   | 46.1   | 45.4   | 42.4   | 37.9   | 36.4   | 35.0   |
| 85°    | 19.3  | 20.8  | 23.1  | 25.3   | 26.0   | 25.3   | 26.8   | 24.5   | 22.3   | 22.3   | 21.6   |
| 87.5°  | 8.2   | 8.9   | 10.4  | 10.4   | 11.2   | 11.2   | 10.4   | 11.2   | 11.2   | 10.4   | 9.7    |
| 90°    | 0.9   | 3.1   | 5.3   | 7.5    | 9.7    | 10.8   | 11.6   | 13.2   | 14.9   | 16.5   | 18.1   |
| 92.5°  | 22.6  | 21.8  | 21.0  | 20.2   | 19.4   | 19.0   | 19.3   | 19.9   | 20.5   | 21.1   | 21.7   |
| 95°    | 58.8  | 52.2  | 45.5  | 38.9   | 32.2   | 28.9   | 29.6   | 31.0   | 32.5   | 33.9   | 35.3   |
| 97.5°  | 105.8 | 89.3  | 72.8  | 56.3   | 39.8   | 31.6   | 33.2   | 36.4   | 39.7   | 42.9   | 46.1   |
| 100°   | 160.0 | 132.5 | 105.0 | 77.5   | 50.0   | 36.2   | 37.9   | 41.3   | 44.7   | 48.1   | 51.5   |
| 102.5° | 219.7 | 219.3 | 218.9 | 218.5  | 218.1  | 217.9  | 199.6  | 163.0  | 126.5  | 89.9   | 53.3   |
| 105°   | 274.8 | 280.8 | 286.9 | 292.9  | 299.0  | 302.0  | 274.6  | 219.7  | 164.8  | 110.0  | 55.1   |
| 107.5° | 339.0 | 344.0 | 349.0 | 354.1  | 359.1  | 361.6  | 327.8  | 260.1  | 192.4  | 124.7  | 57.0   |
| 110°   | 400.5 | 404.7 | 408.9 | 413.2  | 417.4  | 419.5  | 390.5  | 332.4  | 274.3  | 216.3  | 158.2  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 458.4  | 462.0  | 465.6  | 469.2  | 472.8  | 474.6  | 472.9  | 469.5  | 466.1  | 462.7  | 459.3  |
| 115°   | 519.8  | 523.2  | 526.6  | 530.1  | 533.5  | 535.2  | 537.7  | 542.7  | 547.8  | 552.8  | 557.8  |
| 117.5° | 573.2  | 577.2  | 581.2  | 585.2  | 589.2  | 591.2  | 592.9  | 596.3  | 599.8  | 603.2  | 606.6  |
| 120°   | 632.8  | 635.8  | 638.8  | 641.9  | 644.9  | 646.4  | 648.2  | 651.8  | 655.5  | 659.1  | 662.7  |
| 122.5° | 683.5  | 686.7  | 689.9  | 693.1  | 696.3  | 697.9  | 699.9  | 703.9  | 708.0  | 712.0  | 716.0  |
| 125°   | 735.0  | 737.6  | 740.2  | 742.8  | 745.4  | 746.7  | 748.6  | 752.4  | 756.3  | 760.1  | 763.9  |
| 127.5° | 782.0  | 784.8  | 787.6  | 790.5  | 793.3  | 794.7  | 796.2  | 799.2  | 802.2  | 805.2  | 808.2  |
| 130°   | 826.3  | 829.5  | 832.7  | 836.0  | 839.2  | 840.8  | 841.9  | 844.1  | 846.3  | 848.5  | 850.7  |
| 132.5° | 871.5  | 874.1  | 876.7  | 879.4  | 882.0  | 883.3  | 884.4  | 886.6  | 888.8  | 891.0  | 893.2  |
| 135°   | 909.5  | 912.7  | 915.9  | 919.1  | 922.3  | 923.9  | 924.8  | 926.6  | 928.5  | 930.3  | 932.1  |
| 137.5° | 949.3  | 951.7  | 954.1  | 956.5  | 958.9  | 960.1  | 961.1  | 963.1  | 965.1  | 967.1  | 969.1  |
| 140°   | 988.1  | 989.7  | 991.3  | 993.0  | 994.6  | 995.4  | 996.5  | 998.7  | 1000.9 | 1003.1 | 1005.3 |
| 142.5° | 1020.7 | 1022.1 | 1023.5 | 1024.9 | 1026.3 | 1027.0 | 1028.3 | 1030.9 | 1033.6 | 1036.2 | 1038.8 |
| 145°   | 1055.0 | 1054.8 | 1054.6 | 1054.4 | 1054.2 | 1054.1 | 1055.8 | 1059.2 | 1062.7 | 1066.1 | 1069.5 |
| 147.5° | 1084.9 | 1084.3 | 1083.7 | 1083.1 | 1082.5 | 1082.2 | 1083.9 | 1087.3 | 1090.7 | 1094.1 | 1097.5 |
| 150°   | 1113.8 | 1112.4 | 1111.0 | 1109.6 | 1108.2 | 1107.5 | 1109.1 | 1112.3 | 1115.5 | 1118.7 | 1121.9 |
| 152.5° | 1138.2 | 1136.6 | 1135.0 | 1133.4 | 1131.8 | 1131.0 | 1132.5 | 1135.5 | 1138.5 | 1141.5 | 1144.5 |
| 155°   | 1161.7 | 1159.9 | 1158.1 | 1156.3 | 1154.5 | 1153.6 | 1154.8 | 1157.2 | 1159.6 | 1162.0 | 1164.4 |
| 157.5° | 1180.7 | 1179.1 | 1177.5 | 1175.9 | 1174.3 | 1173.5 | 1174.4 | 1176.2 | 1178.0 | 1179.8 | 1181.6 |
| 160°   | 1197.0 | 1195.8 | 1194.6 | 1193.3 | 1192.1 | 1191.5 | 1192.1 | 1193.3 | 1194.6 | 1195.8 | 1197.0 |
| 162.5° | 1211.4 | 1210.2 | 1209.0 | 1207.8 | 1206.6 | 1206.0 | 1206.5 | 1207.5 | 1208.5 | 1209.5 | 1210.5 |
| 165°   | 1224.1 | 1222.9 | 1221.7 | 1220.5 | 1219.3 | 1218.7 | 1219.0 | 1219.6 | 1220.2 | 1220.8 | 1221.4 |
| 167.5° | 1234.0 | 1232.8 | 1231.6 | 1230.4 | 1229.2 | 1228.6 | 1228.9 | 1229.5 | 1230.1 | 1230.7 | 1231.3 |
| 170°   | 1242.2 | 1241.0 | 1239.8 | 1238.5 | 1237.3 | 1236.7 | 1236.9 | 1237.3 | 1237.8 | 1238.2 | 1238.6 |
| 172.5° | 1247.6 | 1246.4 | 1245.2 | 1244.0 | 1242.8 | 1242.2 | 1242.4 | 1242.8 | 1243.2 | 1243.6 | 1244.0 |
| 175°   | 1252.1 | 1250.7 | 1249.3 | 1247.9 | 1246.5 | 1245.8 | 1246.0 | 1246.4 | 1246.8 | 1247.2 | 1247.6 |
| 177.5° | 1253.9 | 1252.5 | 1251.1 | 1249.7 | 1248.3 | 1247.6 | 1247.7 | 1247.9 | 1248.1 | 1248.3 | 1248.5 |
| 180°   | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 967.7  | 967.7  | 967.7  | 967.7  | 967.7  | 967.7  | 967.7  | 967.7  | 967.7  | 967.7  | 967.7  |
| 2.5°   | 1005.6 | 1006.4 | 1007.8 | 1015.3 | 1019.0 | 1019.7 | 1016.8 | 1023.5 | 1025.7 | 1023.5 | 1022.0 |
| 5°     | 1053.2 | 1057.7 | 1066.6 | 1076.3 | 1075.5 | 1076.3 | 1080.7 | 1085.2 | 1086.7 | 1080.7 | 1083.0 |
| 7.5°   | 1094.9 | 1103.8 | 1113.5 | 1128.3 | 1128.3 | 1135.8 | 1138.8 | 1142.5 | 1151.4 | 1146.9 | 1145.4 |
| 10°    | 1142.5 | 1154.4 | 1172.2 | 1196.0 | 1196.8 | 1204.2 | 1211.6 | 1223.5 | 1227.3 | 1224.3 | 1225.8 |
| 12.5°  | 1202.0 | 1225.0 | 1226.5 | 1252.6 | 1264.5 | 1265.9 | 1277.8 | 1275.6 | 1283.1 | 1283.1 | 1295.7 |
| 15°    | 1228.0 | 1263.7 | 1283.8 | 1309.1 | 1316.5 | 1307.6 | 1317.3 | 1327.7 | 1328.4 | 1328.4 | 1327.7 |
| 17.5°  | 1274.9 | 1289.0 | 1309.1 | 1322.5 | 1325.4 | 1325.4 | 1326.2 | 1330.7 | 1327.7 | 1321.7 | 1326.2 |
| 20°    | 1284.5 | 1290.5 | 1297.9 | 1296.4 | 1297.9 | 1290.5 | 1283.1 | 1275.6 | 1276.4 | 1272.6 | 1283.8 |
| 22.5°  | 1266.7 | 1265.2 | 1248.1 | 1236.9 | 1236.9 | 1222.1 | 1207.9 | 1201.2 | 1194.5 | 1196.8 | 1200.5 |
| 25°    | 1222.1 | 1199.0 | 1178.2 | 1161.8 | 1158.1 | 1134.3 | 1115.0 | 1109.0 | 1097.8 | 1106.8 | 1108.3 |
| 27.5°  | 1150.7 | 1124.6 | 1091.2 | 1077.0 | 1057.7 | 1048.0 | 1034.6 | 1016.8 | 993.7  | 1007.1 | 1004.9 |
| 30°    | 1074.0 | 1035.4 | 1007.8 | 973.6  | 943.1  | 940.9  | 915.6  | 885.9  | 874.0  | 874.0  | 880.7  |
| 32.5°  | 988.5  | 937.2  | 897.0  | 848.7  | 818.9  | 806.3  | 775.8  | 746.0  | 752.7  | 730.4  | 738.6  |
| 35°    | 888.8  | 821.2  | 770.6  | 723.7  | 701.4  | 686.5  | 647.1  | 630.7  | 612.9  | 602.5  | 621.8  |
| 37.5°  | 793.6  | 715.5  | 650.8  | 599.5  | 591.3  | 564.5  | 537.8  | 527.4  | 516.9  | 521.4  | 520.7  |
| 40°    | 677.6  | 608.4  | 550.4  | 510.2  | 496.1  | 483.5  | 465.6  | 453.0  | 446.3  | 450.0  | 450.7  |
| 42.5°  | 572.7  | 514.7  | 471.6  | 443.3  | 431.4  | 422.5  | 413.6  | 403.1  | 400.9  | 400.9  | 403.9  |
| 45°    | 491.7  | 444.0  | 415.0  | 392.0  | 385.3  | 378.6  | 371.9  | 367.4  | 365.9  | 363.0  | 365.2  |
| 47.5°  | 426.9  | 389.0  | 371.2  | 354.0  | 346.6  | 345.1  | 339.2  | 336.9  | 334.0  | 333.2  | 334.0  |
| 50°    | 372.6  | 348.8  | 332.5  | 322.8  | 317.6  | 315.4  | 312.4  | 307.9  | 306.4  | 310.2  | 308.7  |
| 52.5°  | 334.7  | 312.4  | 303.5  | 293.8  | 290.8  | 287.8  | 283.4  | 284.1  | 283.4  | 281.9  | 281.9  |
| 55°    | 296.8  | 282.6  | 273.7  | 266.3  | 265.5  | 262.6  | 258.8  | 257.4  | 256.6  | 255.1  | 257.4  |
| 57.5°  | 266.3  | 255.1  | 246.9  | 240.2  | 237.3  | 237.3  | 233.6  | 230.6  | 230.6  | 229.8  | 230.6  |
| 60°    | 235.8  | 224.6  | 219.4  | 212.7  | 210.5  | 209.8  | 207.5  | 206.0  | 203.8  | 203.8  | 203.8  |
| 62.5°  | 207.5  | 198.6  | 192.6  | 186.7  | 187.4  | 183.7  | 180.7  | 179.3  | 179.3  | 180.0  | 180.0  |
| 65°    | 180.7  | 174.8  | 167.4  | 162.1  | 160.7  | 159.9  | 158.4  | 157.7  | 155.5  | 156.9  | 156.9  |
| 67.5°  | 156.2  | 148.0  | 143.6  | 141.3  | 139.1  | 138.3  | 136.9  | 135.4  | 134.6  | 133.9  | 135.4  |
| 70°    | 131.7  | 125.0  | 121.2  | 119.8  | 117.5  | 116.8  | 116.0  | 113.8  | 114.5  | 115.3  | 116.0  |
| 72.5°  | 109.3  | 103.4  | 102.6  | 98.2   | 98.2   | 98.2   | 95.2   | 96.7   | 95.9   | 94.5   | 95.9   |
| 75°    | 86.3   | 83.3   | 81.8   | 79.6   | 80.3   | 79.6   | 78.8   | 76.6   | 76.6   | 77.4   | 78.1   |
| 77.5°  | 68.4   | 65.5   | 64.7   | 62.5   | 61.0   | 62.5   | 61.0   | 60.2   | 60.2   | 61.0   | 61.0   |
| 80°    | 50.6   | 49.1   | 46.9   | 46.9   | 46.9   | 46.1   | 46.1   | 46.1   | 45.4   | 44.6   | 45.4   |
| 82.5°  | 33.5   | 33.5   | 32.7   | 32.0   | 32.7   | 31.2   | 32.0   | 32.0   | 32.0   | 32.0   | 32.0   |
| 85°    | 21.6   | 20.8   | 20.8   | 20.1   | 20.1   | 20.1   | 20.8   | 19.3   | 19.3   | 20.1   | 20.1   |
| 87.5°  | 9.7    | 9.7    | 9.7    | 10.4   | 9.7    | 9.7    | 9.7    | 10.4   | 9.7    | 9.7    | 9.7    |
| 90°    | 19.1   | 20.1   | 21.1   | 22.1   | 22.6   | 22.8   | 23.2   | 23.6   | 24.0   | 24.4   | 24.0   |
| 92.5°  | 22.1   | 22.5   | 22.9   | 23.3   | 23.5   | 23.6   | 23.8   | 24.0   | 24.2   | 24.4   | 24.2   |
| 95°    | 36.3   | 37.3   | 38.3   | 39.3   | 39.8   | 39.7   | 39.5   | 39.3   | 39.1   | 38.9   | 39.1   |
| 97.5°  | 46.7   | 47.3   | 47.9   | 48.5   | 48.8   | 48.9   | 49.1   | 49.3   | 49.5   | 49.7   | 49.5   |
| 100°   | 53.1   | 54.7   | 56.4   | 58.0   | 58.8   | 59.0   | 59.4   | 59.8   | 60.2   | 60.6   | 60.2   |
| 102.5° | 55.5   | 57.7   | 60.0   | 62.2   | 63.3   | 63.6   | 64.2   | 64.8   | 65.4   | 66.0   | 65.4   |
| 105°   | 57.3   | 59.5   | 61.8   | 64.0   | 65.1   | 65.5   | 66.3   | 67.1   | 67.9   | 68.7   | 67.9   |
| 107.5° | 59.2   | 61.4   | 63.6   | 65.8   | 66.9   | 67.3   | 68.1   | 68.9   | 69.7   | 70.5   | 69.7   |
| 110°   | 138.1  | 118.0  | 97.9   | 77.8   | 67.8   | 68.2   | 69.0   | 69.8   | 70.6   | 71.4   | 70.6   |



TEST NUMBER: P998639

CATALOG NUMBER: SA2XXDIP-B485D925UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 372.7  | 286.1  | 199.5  | 112.9  | 69.6   | 69.9   | 70.5   | 71.1   | 71.7   | 72.3   | 71.7   |
| 115°   | 464.8  | 371.8  | 278.7  | 185.7  | 139.2  | 132.0  | 117.5  | 103.0  | 88.6   | 74.1   | 88.6   |
| 117.5° | 577.9  | 549.1  | 520.4  | 491.7  | 477.3  | 451.0  | 398.4  | 345.7  | 293.1  | 240.5  | 293.1  |
| 120°   | 665.1  | 667.5  | 669.9  | 672.3  | 673.5  | 659.9  | 632.8  | 605.7  | 578.6  | 551.5  | 578.6  |
| 122.5° | 717.2  | 718.4  | 719.6  | 720.8  | 721.4  | 721.5  | 721.7  | 721.9  | 722.1  | 722.3  | 722.1  |
| 125°   | 765.3  | 766.7  | 768.2  | 769.6  | 770.3  | 770.6  | 771.2  | 771.8  | 772.4  | 773.0  | 772.4  |
| 127.5° | 810.2  | 812.2  | 814.3  | 816.3  | 817.3  | 817.4  | 817.6  | 817.8  | 818.0  | 818.2  | 818.0  |
| 130°   | 852.9  | 855.1  | 857.4  | 859.6  | 860.7  | 860.6  | 860.4  | 860.2  | 860.0  | 859.8  | 860.0  |
| 132.5° | 895.0  | 896.8  | 898.6  | 900.4  | 901.3  | 901.2  | 901.0  | 900.8  | 900.6  | 900.4  | 900.6  |
| 135°   | 934.1  | 936.1  | 938.1  | 940.1  | 941.1  | 940.9  | 940.5  | 940.1  | 939.7  | 939.3  | 939.7  |
| 137.5° | 971.1  | 973.1  | 975.2  | 977.2  | 978.2  | 977.9  | 977.3  | 976.7  | 976.1  | 975.5  | 976.1  |
| 140°   | 1007.1 | 1008.9 | 1010.7 | 1012.5 | 1013.4 | 1012.9 | 1011.9 | 1010.9 | 1009.9 | 1008.9 | 1009.9 |
| 142.5° | 1040.4 | 1042.0 | 1043.6 | 1045.2 | 1046.0 | 1045.5 | 1044.5 | 1043.5 | 1042.5 | 1041.5 | 1042.5 |
| 145°   | 1070.9 | 1072.3 | 1073.7 | 1075.1 | 1075.8 | 1075.3 | 1074.3 | 1073.3 | 1072.3 | 1071.3 | 1072.3 |
| 147.5° | 1098.5 | 1099.5 | 1100.5 | 1101.5 | 1102.0 | 1101.6 | 1100.8 | 1100.0 | 1099.2 | 1098.4 | 1099.2 |
| 150°   | 1123.1 | 1124.3 | 1125.6 | 1126.8 | 1127.4 | 1126.9 | 1125.9 | 1124.8 | 1123.8 | 1122.8 | 1123.8 |
| 152.5° | 1145.7 | 1146.9 | 1148.2 | 1149.4 | 1150.0 | 1149.3 | 1147.9 | 1146.4 | 1145.0 | 1143.6 | 1145.0 |
| 155°   | 1165.6 | 1166.8 | 1168.0 | 1169.2 | 1169.8 | 1169.0 | 1167.4 | 1165.8 | 1164.2 | 1162.6 | 1164.2 |
| 157.5° | 1183.0 | 1184.4 | 1185.8 | 1187.2 | 1187.9 | 1187.1 | 1185.5 | 1183.9 | 1182.3 | 1180.7 | 1182.3 |
| 160°   | 1198.2 | 1199.4 | 1200.6 | 1201.8 | 1202.4 | 1201.7 | 1200.3 | 1198.9 | 1197.5 | 1196.1 | 1197.5 |
| 162.5° | 1211.9 | 1213.3 | 1214.8 | 1216.2 | 1216.9 | 1216.0 | 1214.2 | 1212.3 | 1210.5 | 1208.7 | 1210.5 |
| 165°   | 1222.8 | 1224.2 | 1225.6 | 1227.0 | 1227.7 | 1227.0 | 1225.6 | 1224.2 | 1222.8 | 1221.4 | 1222.8 |
| 167.5° | 1232.7 | 1234.1 | 1235.5 | 1236.9 | 1237.6 | 1236.7 | 1234.9 | 1233.1 | 1231.3 | 1229.5 | 1231.3 |
| 170°   | 1240.0 | 1241.4 | 1242.8 | 1244.2 | 1244.9 | 1244.0 | 1242.2 | 1240.3 | 1238.5 | 1236.7 | 1238.5 |
| 172.5° | 1245.4 | 1246.8 | 1248.2 | 1249.6 | 1250.3 | 1249.4 | 1247.6 | 1245.8 | 1244.0 | 1242.2 | 1244.0 |
| 175°   | 1249.0 | 1250.4 | 1251.8 | 1253.2 | 1253.9 | 1252.9 | 1250.9 | 1248.9 | 1246.9 | 1244.9 | 1246.9 |
| 177.5° | 1249.9 | 1251.3 | 1252.7 | 1254.1 | 1254.8 | 1253.9 | 1252.1 | 1250.3 | 1248.5 | 1246.7 | 1248.5 |
| 180°   | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 |

TEST NUMBER: P998639

CATALOG NUMBER: SA2XXDIP-B485D925UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 967.7  | 967.7  | 967.7  | 967.7  | 967.7  | 967.7  | 967.7  | 967.7  | 967.7  | 967.7  | 967.7  |
| 2.5°   | 1025.7 | 1020.5 | 1016.0 | 1016.8 | 1020.5 | 1017.5 | 1010.1 | 1000.4 | 996.7  | 992.2  | 996.7  |
| 5°     | 1087.4 | 1083.0 | 1074.0 | 1074.8 | 1072.6 | 1069.6 | 1057.7 | 1042.8 | 1042.8 | 1030.9 | 1029.4 |
| 7.5°   | 1148.4 | 1141.7 | 1135.8 | 1134.3 | 1126.1 | 1120.2 | 1109.7 | 1088.9 | 1080.7 | 1066.6 | 1058.4 |
| 10°    | 1216.9 | 1211.6 | 1205.0 | 1196.8 | 1192.3 | 1181.9 | 1164.8 | 1134.3 | 1119.4 | 1100.1 | 1085.9 |
| 12.5°  | 1286.0 | 1285.3 | 1270.4 | 1254.0 | 1253.3 | 1236.9 | 1225.0 | 1184.1 | 1164.0 | 1138.0 | 1104.5 |
| 15°    | 1329.9 | 1326.2 | 1318.0 | 1309.8 | 1312.1 | 1294.2 | 1267.4 | 1219.1 | 1205.7 | 1174.5 | 1138.8 |
| 17.5°  | 1329.2 | 1329.2 | 1326.9 | 1325.4 | 1323.2 | 1318.0 | 1303.1 | 1271.2 | 1249.6 | 1210.2 | 1176.7 |
| 20°    | 1286.8 | 1296.4 | 1298.7 | 1297.9 | 1305.4 | 1309.1 | 1308.3 | 1288.3 | 1271.2 | 1236.2 | 1202.0 |
| 22.5°  | 1202.0 | 1224.3 | 1234.0 | 1239.9 | 1255.5 | 1263.7 | 1283.1 | 1275.6 | 1271.2 | 1245.1 | 1216.1 |
| 25°    | 1123.1 | 1130.6 | 1159.6 | 1161.1 | 1182.6 | 1202.7 | 1222.1 | 1234.7 | 1251.1 | 1241.4 | 1216.9 |
| 27.5°  | 1021.2 | 1038.3 | 1059.2 | 1074.8 | 1079.3 | 1120.2 | 1152.1 | 1175.9 | 1213.1 | 1216.1 | 1207.9 |
| 30°    | 905.9  | 914.1  | 948.3  | 969.2  | 993.0  | 1022.7 | 1068.8 | 1109.7 | 1143.2 | 1173.7 | 1184.1 |
| 32.5°  | 765.4  | 798.8  | 818.9  | 844.2  | 865.0  | 917.8  | 974.4  | 1027.2 | 1065.9 | 1117.2 | 1139.5 |
| 35°    | 636.7  | 662.7  | 696.9  | 707.4  | 745.3  | 789.9  | 863.5  | 931.2  | 990.0  | 1042.1 | 1087.4 |
| 37.5°  | 530.3  | 551.2  | 587.6  | 604.0  | 626.3  | 683.6  | 745.3  | 829.3  | 900.0  | 964.0  | 1020.5 |
| 40°    | 457.4  | 473.1  | 500.6  | 505.8  | 524.4  | 576.4  | 626.3  | 705.1  | 798.8  | 885.1  | 946.9  |
| 42.5°  | 407.6  | 415.0  | 433.6  | 440.3  | 452.2  | 487.2  | 531.8  | 606.2  | 693.2  | 782.5  | 869.5  |
| 45°    | 371.9  | 377.1  | 388.3  | 394.2  | 409.1  | 424.7  | 461.2  | 520.7  | 589.1  | 679.1  | 772.8  |
| 47.5°  | 339.9  | 346.6  | 351.1  | 354.8  | 363.0  | 380.1  | 403.9  | 447.8  | 513.2  | 595.8  | 686.5  |
| 50°    | 313.1  | 315.4  | 323.6  | 324.3  | 329.5  | 340.7  | 363.0  | 389.8  | 441.8  | 508.8  | 596.5  |
| 52.5°  | 286.4  | 288.6  | 293.8  | 299.0  | 301.2  | 310.2  | 325.0  | 347.4  | 386.0  | 438.8  | 516.9  |
| 55°    | 259.6  | 262.6  | 267.8  | 271.5  | 273.7  | 281.2  | 290.1  | 311.7  | 342.1  | 379.3  | 443.3  |
| 57.5°  | 232.8  | 239.5  | 241.0  | 243.2  | 246.9  | 255.1  | 263.3  | 275.9  | 299.8  | 334.0  | 380.8  |
| 60°    | 207.5  | 209.8  | 215.0  | 217.2  | 220.9  | 225.4  | 235.8  | 245.5  | 262.6  | 289.3  | 331.7  |
| 62.5°  | 181.5  | 186.7  | 188.9  | 191.2  | 194.1  | 199.3  | 206.0  | 216.4  | 231.3  | 252.9  | 286.4  |
| 65°    | 159.2  | 159.9  | 164.4  | 167.4  | 170.3  | 174.0  | 180.7  | 190.4  | 199.3  | 219.4  | 244.0  |
| 67.5°  | 137.6  | 139.1  | 140.6  | 143.6  | 147.3  | 151.0  | 156.9  | 162.1  | 173.3  | 186.7  | 206.0  |
| 70°    | 116.8  | 116.8  | 120.5  | 122.7  | 122.0  | 126.4  | 130.9  | 136.9  | 145.0  | 157.7  | 173.3  |
| 72.5°  | 98.2   | 97.4   | 100.4  | 101.2  | 102.6  | 105.6  | 108.6  | 114.5  | 119.0  | 128.7  | 140.6  |
| 75°    | 78.1   | 79.6   | 81.1   | 81.1   | 83.3   | 85.5   | 88.5   | 91.5   | 96.7   | 102.6  | 111.6  |
| 77.5°  | 61.7   | 61.7   | 63.2   | 64.0   | 66.2   | 65.5   | 68.4   | 71.4   | 75.1   | 80.3   | 87.0   |
| 80°    | 45.4   | 46.9   | 46.9   | 46.9   | 47.6   | 48.3   | 51.3   | 53.6   | 55.8   | 59.5   | 62.5   |
| 82.5°  | 32.0   | 32.0   | 33.5   | 33.5   | 33.5   | 35.0   | 35.0   | 35.7   | 37.2   | 39.4   | 41.7   |
| 85°    | 20.1   | 20.1   | 20.1   | 20.8   | 20.1   | 20.8   | 22.3   | 21.6   | 22.3   | 23.8   | 23.8   |
| 87.5°  | 9.7    | 9.7    | 9.7    | 9.7    | 9.7    | 10.4   | 9.7    | 10.4   | 11.2   | 11.2   | 11.2   |
| 90°    | 23.6   | 23.2   | 22.8   | 22.6   | 22.1   | 21.1   | 20.1   | 19.1   | 18.1   | 16.5   | 14.9   |
| 92.5°  | 24.0   | 23.8   | 23.6   | 23.5   | 23.3   | 22.9   | 22.5   | 22.1   | 21.7   | 21.1   | 20.5   |
| 95°    | 39.3   | 39.5   | 39.7   | 39.8   | 39.3   | 38.3   | 37.3   | 36.3   | 35.3   | 33.9   | 32.5   |
| 97.5°  | 49.3   | 49.1   | 48.9   | 48.8   | 48.5   | 47.9   | 47.3   | 46.7   | 46.1   | 42.9   | 39.7   |
| 100°   | 59.8   | 59.4   | 59.0   | 58.8   | 58.0   | 56.4   | 54.7   | 53.1   | 51.5   | 48.1   | 44.7   |
| 102.5° | 64.8   | 64.2   | 63.6   | 63.3   | 62.2   | 60.0   | 57.7   | 55.5   | 53.3   | 49.9   | 46.5   |
| 105°   | 67.1   | 66.3   | 65.5   | 65.1   | 64.0   | 61.8   | 59.5   | 57.3   | 55.1   | 51.0   | 47.8   |
| 107.5° | 68.9   | 68.1   | 67.3   | 66.9   | 65.8   | 63.6   | 61.4   | 59.2   | 57.0   | 52.7   | 49.5   |
| 110°   | 69.8   | 69.0   | 68.2   | 67.8   | 67.8   | 67.9   | 68.0   | 68.1   | 68.2   | 68.3   | 68.4   |

TEST NUMBER: P998639

CATALOG NUMBER: SA2XXDIP-B485D925UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 71.1   | 70.5   | 69.9   | 69.6   | 112.9  | 199.5  | 286.1  | 372.7  | 459.3  | 462.7  | 466.1  |
| 115°   | 103.0  | 117.5  | 132.0  | 139.2  | 185.7  | 278.7  | 371.8  | 464.8  | 557.8  | 552.8  | 547.8  |
| 117.5° | 345.7  | 398.4  | 451.0  | 477.3  | 491.7  | 520.4  | 549.1  | 577.9  | 606.6  | 603.2  | 599.8  |
| 120°   | 605.7  | 632.8  | 659.9  | 673.5  | 672.3  | 669.9  | 667.5  | 665.1  | 662.7  | 659.1  | 655.5  |
| 122.5° | 721.9  | 721.7  | 721.5  | 721.4  | 720.8  | 719.6  | 718.4  | 717.2  | 716.0  | 712.0  | 708.0  |
| 125°   | 771.8  | 771.2  | 770.6  | 770.3  | 769.6  | 768.2  | 766.7  | 765.3  | 763.9  | 760.1  | 756.3  |
| 127.5° | 817.8  | 817.6  | 817.4  | 817.3  | 816.3  | 814.3  | 812.2  | 810.2  | 808.2  | 805.2  | 802.2  |
| 130°   | 860.2  | 860.4  | 860.6  | 860.7  | 859.6  | 857.4  | 855.1  | 852.9  | 850.7  | 848.5  | 846.3  |
| 132.5° | 900.8  | 901.0  | 901.2  | 901.3  | 900.4  | 898.6  | 896.8  | 895.0  | 893.2  | 891.0  | 888.8  |
| 135°   | 940.1  | 940.5  | 940.9  | 941.1  | 940.1  | 938.1  | 936.1  | 934.1  | 932.1  | 930.3  | 928.5  |
| 137.5° | 976.7  | 977.3  | 977.9  | 978.2  | 977.2  | 975.2  | 973.1  | 971.1  | 969.1  | 967.1  | 965.1  |
| 140°   | 1010.9 | 1011.9 | 1012.9 | 1013.4 | 1012.5 | 1010.7 | 1008.9 | 1007.1 | 1005.3 | 1003.1 | 1000.9 |
| 142.5° | 1043.5 | 1044.5 | 1045.5 | 1046.0 | 1045.2 | 1043.6 | 1042.0 | 1040.4 | 1038.8 | 1036.2 | 1033.6 |
| 145°   | 1073.3 | 1074.3 | 1075.3 | 1075.8 | 1075.1 | 1073.7 | 1072.3 | 1070.9 | 1069.5 | 1066.1 | 1062.7 |
| 147.5° | 1100.0 | 1100.8 | 1101.6 | 1102.0 | 1101.5 | 1100.5 | 1099.5 | 1098.5 | 1097.5 | 1094.1 | 1090.7 |
| 150°   | 1124.8 | 1125.9 | 1126.9 | 1127.4 | 1126.8 | 1125.6 | 1124.3 | 1123.1 | 1121.9 | 1118.7 | 1115.5 |
| 152.5° | 1146.4 | 1147.9 | 1149.3 | 1150.0 | 1149.4 | 1148.2 | 1146.9 | 1145.7 | 1144.5 | 1141.5 | 1138.5 |
| 155°   | 1165.8 | 1167.4 | 1169.0 | 1169.8 | 1169.2 | 1168.0 | 1166.8 | 1165.6 | 1164.4 | 1162.0 | 1159.6 |
| 157.5° | 1183.9 | 1185.5 | 1187.1 | 1187.9 | 1187.2 | 1185.8 | 1184.4 | 1183.0 | 1181.6 | 1179.8 | 1178.0 |
| 160°   | 1198.9 | 1200.3 | 1201.7 | 1202.4 | 1201.8 | 1200.6 | 1199.4 | 1198.2 | 1197.0 | 1195.8 | 1194.6 |
| 162.5° | 1212.3 | 1214.2 | 1216.0 | 1216.9 | 1216.2 | 1214.8 | 1213.3 | 1211.9 | 1210.5 | 1209.5 | 1208.5 |
| 165°   | 1224.2 | 1225.6 | 1227.0 | 1227.7 | 1227.0 | 1225.6 | 1224.2 | 1222.8 | 1221.4 | 1220.8 | 1220.2 |
| 167.5° | 1233.1 | 1234.9 | 1236.7 | 1237.6 | 1236.9 | 1235.5 | 1234.1 | 1232.7 | 1231.3 | 1230.7 | 1230.1 |
| 170°   | 1240.3 | 1242.2 | 1244.0 | 1244.9 | 1244.2 | 1242.8 | 1241.4 | 1240.0 | 1238.6 | 1238.2 | 1237.8 |
| 172.5° | 1245.8 | 1247.6 | 1249.4 | 1250.3 | 1249.6 | 1248.2 | 1246.8 | 1245.4 | 1244.0 | 1243.6 | 1243.2 |
| 175°   | 1248.9 | 1250.9 | 1252.9 | 1253.9 | 1253.2 | 1251.8 | 1250.4 | 1249.0 | 1247.6 | 1247.2 | 1246.8 |
| 177.5° | 1250.3 | 1252.1 | 1253.9 | 1254.8 | 1254.1 | 1252.7 | 1251.3 | 1249.9 | 1248.5 | 1248.3 | 1248.1 |
| 180°   | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 |

TEST NUMBER: P998639

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 0°     | 967.7  | 967.7  | 967.7  | 967.7  | 967.7  | 967.7 | 967.7 | 967.7 | 967.7 | 967.7 | 967.7 |
| 2.5°   | 993.0  | 989.3  | 987.0  | 988.5  | 984.0  | 972.9 | 972.9 | 976.6 | 972.1 | 967.7 | 961.0 |
| 5°     | 1020.5 | 1013.1 | 1008.6 | 1007.8 | 997.4  | 979.6 | 975.9 | 972.1 | 962.5 | 952.1 | 940.9 |
| 7.5°   | 1047.3 | 1033.9 | 1026.4 | 1021.2 | 1006.4 | 983.3 | 973.6 | 965.5 | 949.8 | 934.2 | 920.1 |
| 10°    | 1069.6 | 1050.2 | 1041.3 | 1033.1 | 1013.8 | 984.8 | 969.2 | 954.3 | 934.2 | 914.1 | 896.3 |
| 12.5°  | 1087.4 | 1065.1 | 1054.0 | 1042.1 | 1018.3 | 980.3 | 961.0 | 937.2 | 917.1 | 890.3 | 872.5 |
| 15°    | 1117.2 | 1071.1 | 1060.7 | 1049.5 | 1025.0 | 972.9 | 949.1 | 922.3 | 894.8 | 859.1 | 839.7 |
| 17.5°  | 1141.0 | 1079.3 | 1078.5 | 1054.7 | 1022.7 | 969.9 | 933.5 | 898.5 | 868.8 | 833.1 | 802.6 |
| 20°    | 1155.1 | 1091.9 | 1080.0 | 1055.4 | 1015.3 | 949.8 | 911.9 | 873.2 | 841.2 | 798.1 | 767.6 |
| 22.5°  | 1167.0 | 1109.7 | 1078.5 | 1048.8 | 999.7  | 943.1 | 887.4 | 850.9 | 807.0 | 760.2 | 731.2 |
| 25°    | 1171.5 | 1113.5 | 1080.7 | 1046.5 | 988.5  | 923.8 | 860.6 | 821.2 | 772.1 | 729.7 | 690.2 |
| 27.5°  | 1172.2 | 1112.7 | 1072.6 | 1036.9 | 972.9  | 898.5 | 833.8 | 792.1 | 737.8 | 688.8 | 649.3 |
| 30°    | 1164.8 | 1104.5 | 1068.1 | 1029.4 | 958.0  | 875.5 | 801.1 | 755.0 | 696.9 | 647.8 | 606.9 |
| 32.5°  | 1142.5 | 1088.2 | 1058.4 | 1016.0 | 938.7  | 843.5 | 769.8 | 718.5 | 657.5 | 609.2 | 569.7 |
| 35°    | 1105.3 | 1068.1 | 1035.4 | 995.9  | 913.4  | 813.7 | 738.6 | 678.3 | 616.6 | 570.5 | 533.3 |
| 37.5°  | 1059.2 | 1039.1 | 1008.6 | 969.9  | 884.4  | 786.9 | 703.6 | 636.7 | 575.0 | 530.3 | 493.9 |
| 40°    | 996.7  | 1001.9 | 972.1  | 937.2  | 850.2  | 750.5 | 658.3 | 594.3 | 536.3 | 494.6 | 458.9 |
| 42.5°  | 929.0  | 950.6  | 933.5  | 900.0  | 812.2  | 710.3 | 624.8 | 554.1 | 497.6 | 454.5 | 424.7 |
| 45°    | 856.1  | 893.3  | 882.9  | 858.3  | 772.8  | 667.9 | 577.2 | 508.8 | 458.9 | 417.3 | 391.2 |
| 47.5°  | 776.5  | 829.3  | 829.3  | 811.5  | 728.9  | 625.5 | 536.3 | 466.4 | 417.3 | 387.5 | 362.2 |
| 50°    | 695.5  | 755.0  | 764.6  | 752.7  | 679.8  | 577.2 | 486.4 | 423.2 | 380.8 | 351.8 | 333.2 |
| 52.5°  | 610.7  | 679.8  | 697.7  | 691.7  | 627.8  | 531.1 | 445.5 | 383.8 | 345.1 | 319.8 | 303.5 |
| 55°    | 529.6  | 609.9  | 629.3  | 631.5  | 572.0  | 480.5 | 400.2 | 345.9 | 308.7 | 291.6 | 277.4 |
| 57.5°  | 453.0  | 530.3  | 551.9  | 555.6  | 515.5  | 434.4 | 357.8 | 310.2 | 276.7 | 262.6 | 251.4 |
| 60°    | 387.5  | 452.2  | 480.5  | 488.7  | 453.7  | 380.8 | 318.3 | 272.2 | 246.9 | 233.6 | 223.1 |
| 62.5°  | 334.0  | 386.0  | 415.8  | 418.0  | 402.4  | 334.0 | 277.4 | 238.8 | 217.2 | 205.3 | 200.1 |
| 65°    | 281.9  | 328.8  | 346.6  | 355.5  | 342.9  | 289.3 | 239.5 | 207.5 | 190.4 | 180.0 | 174.8 |
| 67.5°  | 240.2  | 270.0  | 284.9  | 296.8  | 284.1  | 244.0 | 203.8 | 177.8 | 165.1 | 154.7 | 151.7 |
| 70°    | 197.1  | 221.7  | 232.8  | 244.7  | 233.6  | 203.1 | 174.0 | 150.2 | 139.1 | 130.9 | 127.2 |
| 72.5°  | 157.7  | 177.0  | 187.4  | 194.9  | 188.2  | 162.9 | 139.1 | 122.7 | 114.5 | 108.6 | 106.4 |
| 75°    | 125.0  | 138.3  | 144.3  | 149.5  | 146.5  | 127.2 | 112.3 | 98.9  | 91.5  | 86.3  | 84.8  |
| 77.5°  | 95.2   | 104.9  | 111.6  | 113.1  | 109.3  | 96.7  | 84.0  | 75.9  | 69.9  | 66.9  | 65.5  |
| 80°    | 67.7   | 73.6   | 77.4   | 79.6   | 75.9   | 70.7  | 61.7  | 55.8  | 50.6  | 46.9  | 46.1  |
| 82.5°  | 45.4   | 48.3   | 51.3   | 50.6   | 49.1   | 44.6  | 39.4  | 36.4  | 34.2  | 31.2  | 31.2  |
| 85°    | 26.0   | 26.8   | 28.3   | 29.0   | 28.3   | 25.3  | 22.3  | 20.8  | 19.3  | 17.1  | 17.1  |
| 87.5°  | 11.2   | 11.9   | 11.9   | 12.6   | 11.2   | 11.2  | 9.7   | 8.2   | 8.2   | 7.4   | 6.7   |
| 90°    | 13.2   | 11.6   | 10.8   | 9.7    | 7.5    | 5.3   | 3.1   | 0.9   | 3.1   | 5.3   | 7.5   |
| 92.5°  | 19.9   | 19.3   | 19.0   | 19.4   | 20.2   | 21.0  | 21.8  | 22.6  | 21.8  | 21.0  | 20.2  |
| 95°    | 31.0   | 29.6   | 28.9   | 32.2   | 38.9   | 45.5  | 52.2  | 58.8  | 52.2  | 45.5  | 38.9  |
| 97.5°  | 36.4   | 33.2   | 31.6   | 39.8   | 56.3   | 72.8  | 89.3  | 105.8 | 89.3  | 72.8  | 56.3  |
| 100°   | 41.3   | 37.9   | 36.2   | 50.0   | 77.5   | 105.0 | 132.5 | 160.0 | 132.5 | 105.0 | 77.5  |
| 102.5° | 163.0  | 199.6  | 217.9  | 218.1  | 218.5  | 218.9 | 219.3 | 219.7 | 219.3 | 218.9 | 218.5 |
| 105°   | 219.7  | 274.6  | 302.0  | 299.0  | 292.9  | 286.9 | 280.8 | 274.8 | 280.8 | 286.9 | 292.9 |
| 107.5° | 260.1  | 327.8  | 361.6  | 359.1  | 354.1  | 349.0 | 344.0 | 339.0 | 344.0 | 349.0 | 354.1 |
| 110°   | 332.4  | 390.5  | 419.5  | 417.4  | 413.2  | 408.9 | 404.7 | 400.5 | 404.7 | 408.9 | 413.2 |

TEST NUMBER: P998639

CATALOG NUMBER: SA2XXDIP-B485D925UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 469.5  | 472.9  | 474.6  | 472.8  | 469.2  | 465.6  | 462.0  | 458.4  | 462.0  | 465.6  | 469.2  |
| 115°   | 542.7  | 537.7  | 535.2  | 533.5  | 530.1  | 526.6  | 523.2  | 519.8  | 523.2  | 526.6  | 530.1  |
| 117.5° | 596.3  | 592.9  | 591.2  | 589.2  | 585.2  | 581.2  | 577.2  | 573.2  | 577.2  | 581.2  | 585.2  |
| 120°   | 651.8  | 648.2  | 646.4  | 644.9  | 641.9  | 638.8  | 635.8  | 632.8  | 635.8  | 638.8  | 641.9  |
| 122.5° | 703.9  | 699.9  | 697.9  | 696.3  | 693.1  | 689.9  | 686.7  | 683.5  | 686.7  | 689.9  | 693.1  |
| 125°   | 752.4  | 748.6  | 746.7  | 745.4  | 742.8  | 740.2  | 737.6  | 735.0  | 737.6  | 740.2  | 742.8  |
| 127.5° | 799.2  | 796.2  | 794.7  | 793.3  | 790.5  | 787.6  | 784.8  | 782.0  | 784.8  | 787.6  | 790.5  |
| 130°   | 844.1  | 841.9  | 840.8  | 839.2  | 836.0  | 832.7  | 829.5  | 826.3  | 829.5  | 832.7  | 836.0  |
| 132.5° | 886.6  | 884.4  | 883.3  | 882.0  | 879.4  | 876.7  | 874.1  | 871.5  | 874.1  | 876.7  | 879.4  |
| 135°   | 926.6  | 924.8  | 923.9  | 922.3  | 919.1  | 915.9  | 912.7  | 909.5  | 912.7  | 915.9  | 919.1  |
| 137.5° | 963.1  | 961.1  | 960.1  | 958.9  | 956.5  | 954.1  | 951.7  | 949.3  | 951.7  | 954.1  | 956.5  |
| 140°   | 998.7  | 996.5  | 995.4  | 994.6  | 993.0  | 991.3  | 989.7  | 988.1  | 989.7  | 991.3  | 993.0  |
| 142.5° | 1030.9 | 1028.3 | 1027.0 | 1026.3 | 1024.9 | 1023.5 | 1022.1 | 1020.7 | 1022.1 | 1023.5 | 1024.9 |
| 145°   | 1059.2 | 1055.8 | 1054.1 | 1054.2 | 1054.4 | 1054.6 | 1054.8 | 1055.0 | 1054.8 | 1054.6 | 1054.4 |
| 147.5° | 1087.3 | 1083.9 | 1082.2 | 1082.5 | 1083.1 | 1083.7 | 1084.3 | 1084.9 | 1084.3 | 1083.7 | 1083.1 |
| 150°   | 1112.3 | 1109.1 | 1107.5 | 1108.2 | 1109.6 | 1111.0 | 1112.4 | 1113.8 | 1112.4 | 1111.0 | 1109.6 |
| 152.5° | 1135.5 | 1132.5 | 1131.0 | 1131.8 | 1133.4 | 1135.0 | 1136.6 | 1138.2 | 1136.6 | 1135.0 | 1133.4 |
| 155°   | 1157.2 | 1154.8 | 1153.6 | 1154.5 | 1156.3 | 1158.1 | 1159.9 | 1161.7 | 1159.9 | 1158.1 | 1156.3 |
| 157.5° | 1176.2 | 1174.4 | 1173.5 | 1174.3 | 1175.9 | 1177.5 | 1179.1 | 1180.7 | 1179.1 | 1177.5 | 1175.9 |
| 160°   | 1193.3 | 1192.1 | 1191.5 | 1192.1 | 1193.3 | 1194.6 | 1195.8 | 1197.0 | 1195.8 | 1194.6 | 1193.3 |
| 162.5° | 1207.5 | 1206.5 | 1206.0 | 1206.6 | 1207.8 | 1209.0 | 1210.2 | 1211.4 | 1210.2 | 1209.0 | 1207.8 |
| 165°   | 1219.6 | 1219.0 | 1218.7 | 1219.3 | 1220.5 | 1221.7 | 1222.9 | 1224.1 | 1222.9 | 1221.7 | 1220.5 |
| 167.5° | 1229.5 | 1228.9 | 1228.6 | 1229.2 | 1230.4 | 1231.6 | 1232.8 | 1234.0 | 1232.8 | 1231.6 | 1230.4 |
| 170°   | 1237.3 | 1236.9 | 1236.7 | 1237.3 | 1238.5 | 1239.8 | 1241.0 | 1242.2 | 1241.0 | 1239.8 | 1238.5 |
| 172.5° | 1242.8 | 1242.4 | 1242.2 | 1242.8 | 1244.0 | 1245.2 | 1246.4 | 1247.6 | 1246.4 | 1245.2 | 1244.0 |
| 175°   | 1246.4 | 1246.0 | 1245.8 | 1246.5 | 1247.9 | 1249.3 | 1250.7 | 1252.1 | 1250.7 | 1249.3 | 1247.9 |
| 177.5° | 1247.9 | 1247.7 | 1247.6 | 1248.3 | 1249.7 | 1251.1 | 1252.5 | 1253.9 | 1252.5 | 1251.1 | 1249.7 |
| 180°   | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 |

TEST NUMBER: P998639

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**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 967.7 | 967.7  | 967.7 | 967.7 | 967.7 | 967.7 | 967.7 | 967.7 | 967.7 | 967.7 | 967.7 |
| 2.5°   | 957.3 | 961.0  | 960.2 | 952.8 | 944.6 | 937.9 | 925.3 | 926.8 | 922.3 | 923.1 | 927.5 |
| 5°     | 933.5 | 933.5  | 930.5 | 920.1 | 906.7 | 899.3 | 885.1 | 881.4 | 872.5 | 871.7 | 871.0 |
| 7.5°   | 908.2 | 904.5  | 900.7 | 885.9 | 869.5 | 857.6 | 838.3 | 833.8 | 824.9 | 818.9 | 815.9 |
| 10°    | 878.4 | 873.2  | 865.8 | 848.7 | 828.6 | 813.7 | 793.6 | 787.7 | 770.6 | 763.1 | 758.7 |
| 12.5°  | 845.7 | 842.7  | 830.8 | 816.7 | 784.0 | 767.6 | 738.6 | 744.5 | 727.4 | 712.6 | 710.3 |
| 15°    | 813.0 | 801.8  | 795.1 | 772.1 | 732.6 | 725.2 | 702.1 | 690.2 | 674.6 | 662.7 | 662.7 |
| 17.5°  | 781.0 | 763.9  | 749.0 | 724.5 | 695.5 | 674.6 | 657.5 | 651.6 | 632.2 | 620.3 | 618.1 |
| 20°    | 738.6 | 719.3  | 715.5 | 680.6 | 660.5 | 637.4 | 621.1 | 606.2 | 592.1 | 586.9 | 583.1 |
| 22.5°  | 698.4 | 676.1  | 670.2 | 640.4 | 620.3 | 597.3 | 580.9 | 570.5 | 560.1 | 556.4 | 549.7 |
| 25°    | 655.3 | 641.9  | 633.0 | 601.0 | 578.7 | 557.1 | 545.9 | 538.5 | 528.8 | 528.1 | 523.6 |
| 27.5°  | 613.6 | 601.0  | 592.1 | 561.6 | 545.2 | 525.1 | 516.2 | 508.0 | 502.8 | 500.6 | 498.3 |
| 30°    | 577.9 | 563.8  | 553.4 | 531.1 | 511.0 | 494.6 | 487.2 | 482.0 | 479.0 | 475.3 | 474.5 |
| 32.5°  | 538.5 | 530.3  | 516.2 | 499.1 | 483.5 | 467.8 | 463.4 | 459.7 | 455.2 | 453.7 | 453.0 |
| 35°    | 505.0 | 493.9  | 485.0 | 465.6 | 458.9 | 445.5 | 440.3 | 437.4 | 431.4 | 429.9 | 428.4 |
| 37.5°  | 472.3 | 461.9  | 452.2 | 440.3 | 427.7 | 420.2 | 417.3 | 412.8 | 409.8 | 410.6 | 409.1 |
| 40°    | 439.6 | 431.4  | 424.0 | 411.3 | 403.9 | 400.2 | 394.2 | 389.8 | 388.3 | 389.0 | 388.3 |
| 42.5°  | 407.6 | 400.2  | 395.7 | 386.0 | 378.6 | 374.9 | 371.2 | 366.7 | 368.9 | 368.9 | 371.2 |
| 45°    | 378.6 | 371.9  | 368.9 | 361.5 | 357.0 | 351.1 | 347.4 | 346.6 | 349.6 | 348.8 | 348.8 |
| 47.5°  | 348.8 | 346.6  | 342.9 | 336.2 | 330.2 | 326.5 | 325.8 | 325.8 | 328.8 | 330.2 | 329.5 |
| 50°    | 325.8 | 321.3  | 316.9 | 311.7 | 307.2 | 305.7 | 303.5 | 305.0 | 307.9 | 307.9 | 309.4 |
| 52.5°  | 296.8 | 293.8  | 292.3 | 287.8 | 284.9 | 284.9 | 284.9 | 285.6 | 287.8 | 290.1 | 289.3 |
| 55°    | 271.5 | 269.3  | 267.8 | 265.5 | 261.8 | 262.6 | 261.8 | 263.3 | 265.5 | 267.8 | 269.3 |
| 57.5°  | 244.7 | 244.0  | 242.5 | 238.8 | 238.8 | 238.0 | 240.2 | 241.0 | 244.7 | 246.2 | 248.4 |
| 60°    | 220.9 | 218.7  | 218.7 | 215.7 | 215.7 | 215.7 | 217.9 | 220.2 | 223.1 | 223.9 | 225.4 |
| 62.5°  | 195.6 | 195.6  | 194.9 | 192.6 | 192.6 | 194.9 | 195.6 | 198.6 | 200.1 | 200.1 | 202.3 |
| 65°    | 171.8 | 171.1  | 170.3 | 171.1 | 171.8 | 171.8 | 174.0 | 175.5 | 177.0 | 177.8 | 178.5 |
| 67.5°  | 148.0 | 147.3  | 148.8 | 148.0 | 149.5 | 152.5 | 151.7 | 154.0 | 156.2 | 156.2 | 156.9 |
| 70°    | 125.7 | 127.2  | 126.4 | 127.9 | 127.2 | 128.7 | 130.9 | 131.7 | 131.7 | 132.4 | 134.6 |
| 72.5°  | 104.9 | 104.9  | 104.9 | 104.1 | 104.9 | 106.4 | 107.9 | 108.6 | 110.1 | 110.8 | 113.1 |
| 75°    | 84.8  | 84.8   | 83.3  | 84.8  | 84.8  | 86.3  | 87.8  | 87.8  | 87.8  | 89.3  | 91.5  |
| 77.5°  | 64.0  | 64.7   | 64.0  | 65.5  | 65.5  | 66.2  | 67.7  | 66.9  | 68.4  | 69.2  | 69.9  |
| 80°    | 46.9  | 46.1   | 46.1  | 46.1  | 46.9  | 46.9  | 48.3  | 49.1  | 49.1  | 51.3  | 49.8  |
| 82.5°  | 29.8  | 30.5   | 29.8  | 30.5  | 30.5  | 31.2  | 30.5  | 31.2  | 32.0  | 33.5  | 32.7  |
| 85°    | 17.1  | 16.4   | 16.4  | 17.1  | 16.4  | 16.4  | 17.1  | 16.4  | 17.1  | 16.4  | 17.1  |
| 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°    | 9.7   | 10.8   | 11.6  | 13.2  | 14.9  | 16.5  | 18.1  | 19.1  | 20.1  | 21.1  | 22.1  |
| 92.5°  | 19.4  | 19.0   | 19.3  | 19.9  | 20.5  | 21.1  | 21.7  | 22.1  | 22.5  | 22.9  | 23.3  |
| 95°    | 32.2  | 28.9   | 29.6  | 31.0  | 32.5  | 33.9  | 35.3  | 36.3  | 37.3  | 38.3  | 39.3  |
| 97.5°  | 39.8  | 31.6   | 33.2  | 36.4  | 39.7  | 42.9  | 46.1  | 46.7  | 47.3  | 47.9  | 48.5  |
| 100°   | 50.0  | 36.2   | 37.9  | 41.3  | 44.7  | 48.1  | 51.5  | 53.1  | 54.7  | 56.4  | 58.0  |
| 102.5° | 218.1 | 217.9  | 199.6 | 163.0 | 126.5 | 89.9  | 53.3  | 55.5  | 57.7  | 60.0  | 62.2  |
| 105°   | 299.0 | 302.0  | 274.6 | 219.7 | 164.8 | 110.0 | 55.1  | 57.3  | 59.5  | 61.8  | 64.0  |
| 107.5° | 359.1 | 361.6  | 327.8 | 260.1 | 192.4 | 124.7 | 57.0  | 59.2  | 61.4  | 63.6  | 65.8  |
| 110°   | 417.4 | 419.5  | 390.5 | 332.4 | 274.3 | 216.3 | 158.2 | 138.1 | 118.0 | 97.9  | 77.8  |

TEST NUMBER: P998639

CATALOG NUMBER: SA2XXDIP-B485D925UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 472.8  | 474.6  | 472.9  | 469.5  | 466.1  | 462.7  | 459.3  | 372.7  | 286.1  | 199.5  | 112.9  |
| 115°   | 533.5  | 535.2  | 537.7  | 542.7  | 547.8  | 552.8  | 557.8  | 464.8  | 371.8  | 278.7  | 185.7  |
| 117.5° | 589.2  | 591.2  | 592.9  | 596.3  | 599.8  | 603.2  | 606.6  | 577.9  | 549.1  | 520.4  | 491.7  |
| 120°   | 644.9  | 646.4  | 648.2  | 651.8  | 655.5  | 659.1  | 662.7  | 665.1  | 667.5  | 669.9  | 672.3  |
| 122.5° | 696.3  | 697.9  | 699.9  | 703.9  | 708.0  | 712.0  | 716.0  | 717.2  | 718.4  | 719.6  | 720.8  |
| 125°   | 745.4  | 746.7  | 748.6  | 752.4  | 756.3  | 760.1  | 763.9  | 765.3  | 766.7  | 768.2  | 769.6  |
| 127.5° | 793.3  | 794.7  | 796.2  | 799.2  | 802.2  | 805.2  | 808.2  | 810.2  | 812.2  | 814.3  | 816.3  |
| 130°   | 839.2  | 840.8  | 841.9  | 844.1  | 846.3  | 848.5  | 850.7  | 852.9  | 855.1  | 857.4  | 859.6  |
| 132.5° | 882.0  | 883.3  | 884.4  | 886.6  | 888.8  | 891.0  | 893.2  | 895.0  | 896.8  | 898.6  | 900.4  |
| 135°   | 922.3  | 923.9  | 924.8  | 926.6  | 928.5  | 930.3  | 932.1  | 934.1  | 936.1  | 938.1  | 940.1  |
| 137.5° | 958.9  | 960.1  | 961.1  | 963.1  | 965.1  | 967.1  | 969.1  | 971.1  | 973.1  | 975.2  | 977.2  |
| 140°   | 994.6  | 995.4  | 996.5  | 998.7  | 1000.9 | 1003.1 | 1005.3 | 1007.1 | 1008.9 | 1010.7 | 1012.5 |
| 142.5° | 1026.3 | 1027.0 | 1028.3 | 1030.9 | 1033.6 | 1036.2 | 1038.8 | 1040.4 | 1042.0 | 1043.6 | 1045.2 |
| 145°   | 1054.2 | 1054.1 | 1055.8 | 1059.2 | 1062.7 | 1066.1 | 1069.5 | 1070.9 | 1072.3 | 1073.7 | 1075.1 |
| 147.5° | 1082.5 | 1082.2 | 1083.9 | 1087.3 | 1090.7 | 1094.1 | 1097.5 | 1098.5 | 1099.5 | 1100.5 | 1101.5 |
| 150°   | 1108.2 | 1107.5 | 1109.1 | 1112.3 | 1115.5 | 1118.7 | 1121.9 | 1123.1 | 1124.3 | 1125.6 | 1126.8 |
| 152.5° | 1131.8 | 1131.0 | 1132.5 | 1135.5 | 1138.5 | 1141.5 | 1144.5 | 1145.7 | 1146.9 | 1148.2 | 1149.4 |
| 155°   | 1154.5 | 1153.6 | 1154.8 | 1157.2 | 1159.6 | 1162.0 | 1164.4 | 1165.6 | 1166.8 | 1168.0 | 1169.2 |
| 157.5° | 1174.3 | 1173.5 | 1174.4 | 1176.2 | 1178.0 | 1179.8 | 1181.6 | 1183.0 | 1184.4 | 1185.8 | 1187.2 |
| 160°   | 1192.1 | 1191.5 | 1192.1 | 1193.3 | 1194.6 | 1195.8 | 1197.0 | 1198.2 | 1199.4 | 1200.6 | 1201.8 |
| 162.5° | 1206.6 | 1206.0 | 1206.5 | 1207.5 | 1208.5 | 1209.5 | 1210.5 | 1211.9 | 1213.3 | 1214.8 | 1216.2 |
| 165°   | 1219.3 | 1218.7 | 1219.0 | 1219.6 | 1220.2 | 1220.8 | 1221.4 | 1222.8 | 1224.2 | 1225.6 | 1227.0 |
| 167.5° | 1229.2 | 1228.6 | 1228.9 | 1229.5 | 1230.1 | 1230.7 | 1231.3 | 1232.7 | 1234.1 | 1235.5 | 1236.9 |
| 170°   | 1237.3 | 1236.7 | 1236.9 | 1237.3 | 1237.8 | 1238.2 | 1238.6 | 1240.0 | 1241.4 | 1242.8 | 1244.2 |
| 172.5° | 1242.8 | 1242.2 | 1242.4 | 1242.8 | 1243.2 | 1243.6 | 1244.0 | 1245.4 | 1246.8 | 1248.2 | 1249.6 |
| 175°   | 1246.5 | 1245.8 | 1246.0 | 1246.4 | 1246.8 | 1247.2 | 1247.6 | 1249.0 | 1250.4 | 1251.8 | 1253.2 |
| 177.5° | 1248.3 | 1247.6 | 1247.7 | 1247.9 | 1248.1 | 1248.3 | 1248.5 | 1249.9 | 1251.3 | 1252.7 | 1254.1 |
| 180°   | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 |



TEST NUMBER: P998639

CATALOG NUMBER: SA2XXDIP-B485D925UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0°     | 967.7  | 967.7 | 967.7 | 967.7 | 967.7 | 967.7 | 967.7 | 967.7 | 967.7 | 967.7 | 967.7  |
| 2.5°   | 922.3  | 924.5 | 919.3 | 917.8 | 919.3 | 914.1 | 915.6 | 917.1 | 917.1 | 919.3 | 920.8  |
| 5°     | 868.8  | 865.8 | 860.6 | 859.1 | 857.6 | 859.8 | 858.3 | 860.6 | 861.3 | 866.5 | 867.3  |
| 7.5°   | 815.9  | 811.5 | 807.0 | 802.6 | 801.1 | 797.4 | 801.1 | 801.1 | 806.3 | 804.8 | 808.5  |
| 10°    | 753.5  | 752.7 | 746.8 | 744.5 | 741.6 | 735.6 | 743.8 | 741.6 | 745.3 | 752.0 | 753.5  |
| 12.5°  | 707.4  | 699.2 | 702.9 | 692.5 | 696.2 | 690.2 | 691.0 | 691.0 | 696.9 | 697.7 | 696.2  |
| 15°    | 663.5  | 656.8 | 647.1 | 642.6 | 640.4 | 637.4 | 647.1 | 647.8 | 643.4 | 653.8 | 650.1  |
| 17.5°  | 618.8  | 618.8 | 609.9 | 607.7 | 601.7 | 604.7 | 603.2 | 604.0 | 602.5 | 609.9 | 613.6  |
| 20°    | 580.2  | 576.4 | 573.5 | 574.2 | 566.8 | 565.3 | 563.8 | 565.3 | 570.5 | 575.7 | 577.2  |
| 22.5°  | 548.9  | 546.7 | 539.3 | 540.7 | 534.8 | 537.0 | 535.5 | 539.3 | 540.0 | 540.0 | 545.2  |
| 25°    | 519.2  | 516.2 | 516.9 | 514.0 | 511.7 | 511.7 | 509.5 | 511.7 | 514.7 | 516.2 | 516.9  |
| 27.5°  | 496.9  | 494.6 | 490.9 | 488.7 | 490.2 | 486.4 | 489.4 | 491.7 | 491.7 | 490.2 | 491.7  |
| 30°    | 470.1  | 471.6 | 471.6 | 464.1 | 467.1 | 465.6 | 467.8 | 469.3 | 469.3 | 470.1 | 468.6  |
| 32.5°  | 452.2  | 447.8 | 447.0 | 446.3 | 446.3 | 443.3 | 443.3 | 445.5 | 446.3 | 447.0 | 449.3  |
| 35°    | 428.4  | 428.4 | 424.7 | 426.9 | 424.0 | 424.7 | 424.0 | 424.7 | 426.2 | 424.0 | 426.2  |
| 37.5°  | 406.9  | 407.6 | 406.1 | 407.6 | 408.3 | 406.9 | 405.4 | 408.3 | 406.9 | 406.9 | 405.4  |
| 40°    | 388.3  | 387.5 | 388.3 | 388.3 | 388.3 | 389.0 | 387.5 | 387.5 | 387.5 | 386.0 | 384.5  |
| 42.5°  | 372.6  | 368.2 | 369.7 | 370.4 | 368.2 | 368.2 | 368.9 | 368.2 | 370.4 | 365.9 | 365.9  |
| 45°    | 350.3  | 348.8 | 349.6 | 349.6 | 351.1 | 348.8 | 350.3 | 351.1 | 348.8 | 348.1 | 346.6  |
| 47.5°  | 330.2  | 331.7 | 330.2 | 331.7 | 331.7 | 333.2 | 330.2 | 331.0 | 331.7 | 328.8 | 326.5  |
| 50°    | 310.2  | 310.2 | 312.4 | 311.7 | 312.4 | 310.9 | 310.9 | 310.2 | 310.9 | 309.4 | 307.2  |
| 52.5°  | 291.6  | 289.3 | 293.1 | 292.3 | 291.6 | 290.8 | 290.1 | 290.8 | 289.3 | 287.8 | 287.8  |
| 55°    | 268.5  | 268.5 | 270.7 | 271.5 | 271.5 | 270.0 | 268.5 | 269.3 | 268.5 | 267.8 | 267.0  |
| 57.5°  | 249.9  | 246.9 | 248.4 | 249.2 | 249.2 | 246.9 | 248.4 | 246.9 | 246.9 | 247.7 | 245.5  |
| 60°    | 226.1  | 226.1 | 224.6 | 226.9 | 226.9 | 225.4 | 225.4 | 226.1 | 224.6 | 223.9 | 223.1  |
| 62.5°  | 200.8  | 201.6 | 203.8 | 204.5 | 205.3 | 203.8 | 202.3 | 203.1 | 203.1 | 200.8 | 201.6  |
| 65°    | 179.3  | 180.7 | 183.7 | 183.0 | 181.5 | 182.2 | 180.7 | 181.5 | 179.3 | 180.0 | 177.8  |
| 67.5°  | 158.4  | 157.7 | 158.4 | 158.4 | 159.9 | 159.2 | 157.7 | 157.7 | 156.9 | 159.2 | 156.9  |
| 70°    | 136.1  | 136.1 | 136.1 | 136.1 | 136.9 | 137.6 | 136.1 | 134.6 | 135.4 | 133.9 | 133.1  |
| 72.5°  | 113.1  | 113.8 | 113.1 | 114.5 | 112.3 | 113.8 | 113.8 | 113.1 | 112.3 | 112.3 | 112.3  |
| 75°    | 91.5   | 93.0  | 90.7  | 91.5  | 90.7  | 92.2  | 91.5  | 91.5  | 90.0  | 89.3  | 90.0   |
| 77.5°  | 69.9   | 70.7  | 69.2  | 69.9  | 69.2  | 69.9  | 69.9  | 69.2  | 69.2  | 69.2  | 69.2   |
| 80°    | 49.8   | 50.6  | 49.8  | 49.1  | 48.3  | 49.8  | 48.3  | 49.1  | 49.8  | 49.1  | 50.6   |
| 82.5°  | 32.0   | 32.0  | 31.2  | 32.0  | 30.5  | 30.5  | 31.2  | 31.2  | 30.5  | 32.0  | 30.5   |
| 85°    | 15.6   | 15.6  | 17.1  | 15.6  | 14.9  | 14.9  | 14.9  | 15.6  | 14.9  | 16.4  | 15.6   |
| 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°    | 22.6   | 22.8  | 23.2  | 23.6  | 24.0  | 24.4  | 24.0  | 23.6  | 23.2  | 22.8  | 22.6   |
| 92.5°  | 23.5   | 23.6  | 23.8  | 24.0  | 24.2  | 24.4  | 24.2  | 24.0  | 23.8  | 23.6  | 23.5   |
| 95°    | 39.8   | 39.7  | 39.5  | 39.3  | 39.1  | 38.9  | 39.1  | 39.3  | 39.5  | 39.7  | 39.8   |
| 97.5°  | 48.8   | 48.9  | 49.1  | 49.3  | 49.5  | 49.7  | 49.5  | 49.3  | 49.1  | 48.9  | 48.8   |
| 100°   | 58.8   | 59.0  | 59.4  | 59.8  | 60.2  | 60.6  | 60.2  | 59.8  | 59.4  | 59.0  | 58.8   |
| 102.5° | 63.3   | 63.6  | 64.2  | 64.8  | 65.4  | 66.0  | 65.4  | 64.8  | 64.2  | 63.6  | 63.3   |
| 105°   | 65.1   | 65.5  | 66.3  | 67.1  | 67.9  | 68.7  | 67.9  | 67.1  | 66.3  | 65.5  | 65.1   |
| 107.5° | 66.9   | 67.3  | 68.1  | 68.9  | 69.7  | 70.5  | 69.7  | 68.9  | 68.1  | 67.3  | 66.9   |
| 110°   | 67.8   | 68.2  | 69.0  | 69.8  | 70.6  | 71.4  | 70.6  | 69.8  | 69.0  | 68.2  | 67.8   |



TEST NUMBER: P998639

CATALOG NUMBER: SA2XXDIP-B485D925UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 69.6   | 69.9   | 70.5   | 71.1   | 71.7   | 72.3   | 71.7   | 71.1   | 70.5   | 69.9   | 69.6   |
| 115°   | 139.2  | 132.0  | 117.5  | 103.0  | 88.6   | 74.1   | 88.6   | 103.0  | 117.5  | 132.0  | 139.2  |
| 117.5° | 477.3  | 451.0  | 398.4  | 345.7  | 293.1  | 240.5  | 293.1  | 345.7  | 398.4  | 451.0  | 477.3  |
| 120°   | 673.5  | 659.9  | 632.8  | 605.7  | 578.6  | 551.5  | 578.6  | 605.7  | 632.8  | 659.9  | 673.5  |
| 122.5° | 721.4  | 721.5  | 721.7  | 721.9  | 722.1  | 722.3  | 722.1  | 721.9  | 721.7  | 721.5  | 721.4  |
| 125°   | 770.3  | 770.6  | 771.2  | 771.8  | 772.4  | 773.0  | 772.4  | 771.8  | 771.2  | 770.6  | 770.3  |
| 127.5° | 817.3  | 817.4  | 817.6  | 817.8  | 818.0  | 818.2  | 818.0  | 817.8  | 817.6  | 817.4  | 817.3  |
| 130°   | 860.7  | 860.6  | 860.4  | 860.2  | 860.0  | 859.8  | 860.0  | 860.2  | 860.4  | 860.6  | 860.7  |
| 132.5° | 901.3  | 901.2  | 901.0  | 900.8  | 900.6  | 900.4  | 900.6  | 900.8  | 901.0  | 901.2  | 901.3  |
| 135°   | 941.1  | 940.9  | 940.5  | 940.1  | 939.7  | 939.3  | 939.7  | 940.1  | 940.5  | 940.9  | 941.1  |
| 137.5° | 978.2  | 977.9  | 977.3  | 976.7  | 976.1  | 975.5  | 976.1  | 976.7  | 977.3  | 977.9  | 978.2  |
| 140°   | 1013.4 | 1012.9 | 1011.9 | 1010.9 | 1009.9 | 1008.9 | 1009.9 | 1010.9 | 1011.9 | 1012.9 | 1013.4 |
| 142.5° | 1046.0 | 1045.5 | 1044.5 | 1043.5 | 1042.5 | 1041.5 | 1042.5 | 1043.5 | 1044.5 | 1045.5 | 1046.0 |
| 145°   | 1075.8 | 1075.3 | 1074.3 | 1073.3 | 1072.3 | 1071.3 | 1072.3 | 1073.3 | 1074.3 | 1075.3 | 1075.8 |
| 147.5° | 1102.0 | 1101.6 | 1100.8 | 1100.0 | 1099.2 | 1098.4 | 1099.2 | 1100.0 | 1100.8 | 1101.6 | 1102.0 |
| 150°   | 1127.4 | 1126.9 | 1125.9 | 1124.8 | 1123.8 | 1122.8 | 1123.8 | 1124.8 | 1125.9 | 1126.9 | 1127.4 |
| 152.5° | 1150.0 | 1149.3 | 1147.9 | 1146.4 | 1145.0 | 1143.6 | 1145.0 | 1146.4 | 1147.9 | 1149.3 | 1150.0 |
| 155°   | 1169.8 | 1169.0 | 1167.4 | 1165.8 | 1164.2 | 1162.6 | 1164.2 | 1165.8 | 1167.4 | 1169.0 | 1169.8 |
| 157.5° | 1187.9 | 1187.1 | 1185.5 | 1183.9 | 1182.3 | 1180.7 | 1182.3 | 1183.9 | 1185.5 | 1187.1 | 1187.9 |
| 160°   | 1202.4 | 1201.7 | 1200.3 | 1198.9 | 1197.5 | 1196.1 | 1197.5 | 1198.9 | 1200.3 | 1201.7 | 1202.4 |
| 162.5° | 1216.9 | 1216.0 | 1214.2 | 1212.3 | 1210.5 | 1208.7 | 1210.5 | 1212.3 | 1214.2 | 1216.0 | 1216.9 |
| 165°   | 1227.7 | 1227.0 | 1225.6 | 1224.2 | 1222.8 | 1221.4 | 1222.8 | 1224.2 | 1225.6 | 1227.0 | 1227.7 |
| 167.5° | 1237.6 | 1236.7 | 1234.9 | 1233.1 | 1231.3 | 1229.5 | 1231.3 | 1233.1 | 1234.9 | 1236.7 | 1237.6 |
| 170°   | 1244.9 | 1244.0 | 1242.2 | 1240.3 | 1238.5 | 1236.7 | 1238.5 | 1240.3 | 1242.2 | 1244.0 | 1244.9 |
| 172.5° | 1250.3 | 1249.4 | 1247.6 | 1245.8 | 1244.0 | 1242.2 | 1244.0 | 1245.8 | 1247.6 | 1249.4 | 1250.3 |
| 175°   | 1253.9 | 1252.9 | 1250.9 | 1248.9 | 1246.9 | 1244.9 | 1246.9 | 1248.9 | 1250.9 | 1252.9 | 1253.9 |
| 177.5° | 1254.8 | 1253.9 | 1252.1 | 1250.3 | 1248.5 | 1246.7 | 1248.5 | 1250.3 | 1252.1 | 1253.9 | 1254.8 |
| 180°   | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 |

TEST NUMBER: P998639

CATALOG NUMBER: SA2XXDIP-B485D925UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 0°     | 967.7 | 967.7 | 967.7 | 967.7 | 967.7 | 967.7 | 967.7 | 967.7 | 967.7 | 967.7  | 967.7 |
| 2.5°   | 918.6 | 924.5 | 922.3 | 914.1 | 923.8 | 923.8 | 930.5 | 930.5 | 938.7 | 941.6  | 946.1 |
| 5°     | 866.5 | 871.0 | 874.7 | 871.0 | 877.7 | 888.1 | 894.0 | 899.3 | 910.4 | 914.9  | 921.6 |
| 7.5°   | 810.7 | 818.9 | 822.6 | 822.6 | 833.8 | 845.7 | 857.6 | 865.0 | 880.7 | 886.6  | 893.3 |
| 10°    | 756.4 | 766.1 | 773.6 | 772.8 | 791.4 | 798.8 | 813.7 | 830.8 | 846.4 | 855.4  | 865.0 |
| 12.5°  | 699.2 | 704.4 | 714.8 | 729.7 | 734.1 | 747.5 | 764.6 | 786.2 | 814.5 | 822.6  | 836.8 |
| 15°    | 651.6 | 665.7 | 673.9 | 680.6 | 691.0 | 703.6 | 722.2 | 743.1 | 771.3 | 789.2  | 804.0 |
| 17.5°  | 611.4 | 630.0 | 635.2 | 633.7 | 647.1 | 666.4 | 688.0 | 703.6 | 728.9 | 750.5  | 764.6 |
| 20°    | 578.7 | 586.1 | 595.0 | 598.8 | 609.2 | 630.0 | 650.8 | 668.7 | 689.5 | 706.6  | 723.0 |
| 22.5°  | 545.9 | 551.9 | 559.3 | 566.0 | 574.2 | 586.1 | 606.2 | 628.5 | 648.6 | 665.0  | 683.6 |
| 25°    | 519.2 | 522.9 | 529.6 | 534.8 | 543.7 | 551.9 | 566.0 | 590.6 | 614.4 | 624.0  | 640.4 |
| 27.5°  | 493.1 | 496.1 | 500.6 | 506.5 | 511.0 | 519.2 | 531.8 | 551.9 | 576.4 | 586.1  | 608.4 |
| 30°    | 470.1 | 472.3 | 476.8 | 479.7 | 482.0 | 491.7 | 501.3 | 516.9 | 535.5 | 548.9  | 565.3 |
| 32.5°  | 448.5 | 450.7 | 455.2 | 455.9 | 458.9 | 464.1 | 473.1 | 487.2 | 503.6 | 514.7  | 528.8 |
| 35°    | 424.7 | 426.2 | 430.7 | 432.1 | 434.4 | 438.8 | 445.5 | 455.9 | 470.8 | 479.0  | 491.7 |
| 37.5°  | 406.1 | 405.4 | 408.3 | 410.6 | 413.6 | 415.8 | 418.0 | 428.4 | 439.6 | 447.0  | 456.7 |
| 40°    | 386.0 | 384.5 | 385.3 | 388.3 | 389.8 | 392.7 | 392.7 | 403.1 | 410.6 | 416.5  | 424.0 |
| 42.5°  | 365.9 | 365.2 | 363.7 | 365.2 | 366.7 | 367.4 | 368.2 | 375.6 | 383.1 | 388.3  | 396.4 |
| 45°    | 345.9 | 345.1 | 343.6 | 344.4 | 344.4 | 345.9 | 348.1 | 351.1 | 356.3 | 360.7  | 365.2 |
| 47.5°  | 327.3 | 325.8 | 323.6 | 322.8 | 324.3 | 324.3 | 324.3 | 327.3 | 332.5 | 334.0  | 338.4 |
| 50°    | 307.9 | 305.7 | 302.7 | 301.2 | 301.2 | 300.5 | 302.0 | 302.7 | 307.2 | 308.7  | 312.4 |
| 52.5°  | 287.1 | 285.6 | 282.6 | 279.7 | 280.4 | 278.9 | 279.7 | 280.4 | 281.9 | 284.1  | 286.4 |
| 55°    | 266.3 | 263.3 | 261.1 | 260.3 | 258.1 | 258.1 | 255.9 | 258.8 | 258.1 | 258.8  | 261.8 |
| 57.5°  | 246.2 | 243.2 | 239.5 | 238.0 | 235.8 | 235.0 | 233.6 | 232.8 | 233.6 | 235.8  | 238.0 |
| 60°    | 222.4 | 220.9 | 218.7 | 216.4 | 215.0 | 212.7 | 211.2 | 211.2 | 210.5 | 210.5  | 211.2 |
| 62.5°  | 199.3 | 198.6 | 195.6 | 194.9 | 193.4 | 191.9 | 189.7 | 188.2 | 188.2 | 189.7  | 190.4 |
| 65°    | 177.0 | 176.3 | 174.0 | 173.3 | 169.6 | 168.1 | 167.4 | 166.6 | 165.1 | 165.1  | 165.1 |
| 67.5°  | 156.2 | 154.0 | 154.0 | 150.2 | 147.3 | 145.8 | 144.3 | 143.6 | 143.6 | 143.6  | 144.3 |
| 70°    | 133.1 | 133.1 | 130.9 | 128.7 | 125.7 | 126.4 | 124.2 | 122.0 | 122.0 | 120.5  | 121.2 |
| 72.5°  | 110.8 | 110.1 | 107.9 | 107.1 | 104.9 | 102.6 | 101.2 | 102.6 | 100.4 | 99.7   | 100.4 |
| 75°    | 89.3  | 88.5  | 87.0  | 85.5  | 86.3  | 84.0  | 81.8  | 81.1  | 81.1  | 79.6   | 79.6  |
| 77.5°  | 68.4  | 69.9  | 66.9  | 66.2  | 64.7  | 63.2  | 62.5  | 61.7  | 61.7  | 61.7   | 63.2  |
| 80°    | 47.6  | 48.3  | 48.3  | 46.9  | 47.6  | 45.4  | 45.4  | 45.4  | 43.1  | 43.9   | 44.6  |
| 82.5°  | 30.5  | 30.5  | 29.8  | 30.5  | 29.8  | 29.8  | 29.0  | 29.0  | 28.3  | 28.3   | 29.0  |
| 85°    | 17.1  | 16.4  | 15.6  | 17.1  | 16.4  | 16.4  | 15.6  | 15.6  | 15.6  | 15.6   | 15.6  |
| 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°    | 22.1  | 21.1  | 20.1  | 19.1  | 18.1  | 16.5  | 14.9  | 13.2  | 11.6  | 10.8   | 9.7   |
| 92.5°  | 23.3  | 22.9  | 22.5  | 22.1  | 21.7  | 21.1  | 20.5  | 19.9  | 19.3  | 19.0   | 19.4  |
| 95°    | 39.3  | 38.3  | 37.3  | 36.3  | 35.3  | 33.9  | 32.5  | 31.0  | 29.6  | 28.9   | 32.2  |
| 97.5°  | 48.5  | 47.9  | 47.3  | 46.7  | 46.1  | 42.9  | 39.7  | 36.4  | 33.2  | 31.6   | 39.8  |
| 100°   | 58.0  | 56.4  | 54.7  | 53.1  | 51.5  | 48.1  | 44.7  | 41.3  | 37.9  | 36.2   | 50.0  |
| 102.5° | 62.2  | 60.0  | 57.7  | 55.5  | 53.3  | 89.9  | 126.5 | 163.0 | 199.6 | 217.9  | 218.1 |
| 105°   | 64.0  | 61.8  | 59.5  | 57.3  | 55.1  | 110.0 | 164.8 | 219.7 | 274.6 | 302.0  | 299.0 |
| 107.5° | 65.8  | 63.6  | 61.4  | 59.2  | 57.0  | 124.7 | 192.4 | 260.1 | 327.8 | 361.6  | 359.1 |
| 110°   | 77.8  | 97.9  | 118.0 | 138.1 | 158.2 | 216.3 | 274.3 | 332.4 | 390.5 | 419.5  | 417.4 |

TEST NUMBER: P998639

CATALOG NUMBER: SA2XXDIP-B485D925UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 112.9  | 199.5  | 286.1  | 372.7  | 459.3  | 462.7  | 466.1  | 469.5  | 472.9  | 474.6  | 472.8  |
| 115°   | 185.7  | 278.7  | 371.8  | 464.8  | 557.8  | 552.8  | 547.8  | 542.7  | 537.7  | 535.2  | 533.5  |
| 117.5° | 491.7  | 520.4  | 549.1  | 577.9  | 606.6  | 603.2  | 599.8  | 596.3  | 592.9  | 591.2  | 589.2  |
| 120°   | 672.3  | 669.9  | 667.5  | 665.1  | 662.7  | 659.1  | 655.5  | 651.8  | 648.2  | 646.4  | 644.9  |
| 122.5° | 720.8  | 719.6  | 718.4  | 717.2  | 716.0  | 712.0  | 708.0  | 703.9  | 699.9  | 697.9  | 696.3  |
| 125°   | 769.6  | 768.2  | 766.7  | 765.3  | 763.9  | 760.1  | 756.3  | 752.4  | 748.6  | 746.7  | 745.4  |
| 127.5° | 816.3  | 814.3  | 812.2  | 810.2  | 808.2  | 805.2  | 802.2  | 799.2  | 796.2  | 794.7  | 793.3  |
| 130°   | 859.6  | 857.4  | 855.1  | 852.9  | 850.7  | 848.5  | 846.3  | 844.1  | 841.9  | 840.8  | 839.2  |
| 132.5° | 900.4  | 898.6  | 896.8  | 895.0  | 893.2  | 891.0  | 888.8  | 886.6  | 884.4  | 883.3  | 882.0  |
| 135°   | 940.1  | 938.1  | 936.1  | 934.1  | 932.1  | 930.3  | 928.5  | 926.6  | 924.8  | 923.9  | 922.3  |
| 137.5° | 977.2  | 975.2  | 973.1  | 971.1  | 969.1  | 967.1  | 965.1  | 963.1  | 961.1  | 960.1  | 958.9  |
| 140°   | 1012.5 | 1010.7 | 1008.9 | 1007.1 | 1005.3 | 1003.1 | 1000.9 | 998.7  | 996.5  | 995.4  | 994.6  |
| 142.5° | 1045.2 | 1043.6 | 1042.0 | 1040.4 | 1038.8 | 1036.2 | 1033.6 | 1030.9 | 1028.3 | 1027.0 | 1026.3 |
| 145°   | 1075.1 | 1073.7 | 1072.3 | 1070.9 | 1069.5 | 1066.1 | 1062.7 | 1059.2 | 1055.8 | 1054.1 | 1054.2 |
| 147.5° | 1101.5 | 1100.5 | 1099.5 | 1098.5 | 1097.5 | 1094.1 | 1090.7 | 1087.3 | 1083.9 | 1082.2 | 1082.5 |
| 150°   | 1126.8 | 1125.6 | 1124.3 | 1123.1 | 1121.9 | 1118.7 | 1115.5 | 1112.3 | 1109.1 | 1107.5 | 1108.2 |
| 152.5° | 1149.4 | 1148.2 | 1146.9 | 1145.7 | 1144.5 | 1141.5 | 1138.5 | 1135.5 | 1132.5 | 1131.0 | 1131.8 |
| 155°   | 1169.2 | 1168.0 | 1166.8 | 1165.6 | 1164.4 | 1162.0 | 1159.6 | 1157.2 | 1154.8 | 1153.6 | 1154.5 |
| 157.5° | 1187.2 | 1185.8 | 1184.4 | 1183.0 | 1181.6 | 1179.8 | 1178.0 | 1176.2 | 1174.4 | 1173.5 | 1174.3 |
| 160°   | 1201.8 | 1200.6 | 1199.4 | 1198.2 | 1197.0 | 1195.8 | 1194.6 | 1193.3 | 1192.1 | 1191.5 | 1192.1 |
| 162.5° | 1216.2 | 1214.8 | 1213.3 | 1211.9 | 1210.5 | 1209.5 | 1208.5 | 1207.5 | 1206.5 | 1206.0 | 1206.6 |
| 165°   | 1227.0 | 1225.6 | 1224.2 | 1222.8 | 1221.4 | 1220.8 | 1220.2 | 1219.6 | 1219.0 | 1218.7 | 1219.3 |
| 167.5° | 1236.9 | 1235.5 | 1234.1 | 1232.7 | 1231.3 | 1230.7 | 1230.1 | 1229.5 | 1228.9 | 1228.6 | 1229.2 |
| 170°   | 1244.2 | 1242.8 | 1241.4 | 1240.0 | 1238.6 | 1238.2 | 1237.8 | 1237.3 | 1236.9 | 1236.7 | 1237.3 |
| 172.5° | 1249.6 | 1248.2 | 1246.8 | 1245.4 | 1244.0 | 1243.6 | 1243.2 | 1242.8 | 1242.4 | 1242.2 | 1242.8 |
| 175°   | 1253.2 | 1251.8 | 1250.4 | 1249.0 | 1247.6 | 1247.2 | 1246.8 | 1246.4 | 1246.0 | 1245.8 | 1246.5 |
| 177.5° | 1254.1 | 1252.7 | 1251.3 | 1249.9 | 1248.5 | 1248.3 | 1248.1 | 1247.9 | 1247.7 | 1247.6 | 1248.3 |
| 180°   | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 |

TEST NUMBER: P998639

CATALOG NUMBER: SA2XXDIP-B485D925UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 0°     | 967.7 | 967.7 | 967.7 | 967.7 |
| 2.5°   | 949.8 | 949.8 | 961.0 | 972.9 |
| 5°     | 929.0 | 934.2 | 952.1 | 968.4 |
| 7.5°   | 908.9 | 917.8 | 940.2 | 961.0 |
| 10°    | 884.4 | 896.3 | 923.8 | 948.3 |
| 12.5°  | 860.6 | 871.7 | 903.7 | 931.2 |
| 15°    | 827.1 | 841.2 | 875.5 | 909.7 |
| 17.5°  | 793.6 | 807.8 | 849.4 | 889.6 |
| 20°    | 754.2 | 772.8 | 819.7 | 873.2 |
| 22.5°  | 717.8 | 740.8 | 792.9 | 836.0 |
| 25°    | 677.6 | 713.3 | 761.6 | 817.4 |
| 27.5°  | 641.9 | 677.6 | 726.7 | 783.2 |
| 30°    | 601.7 | 638.2 | 688.8 | 740.8 |
| 32.5°  | 563.1 | 596.5 | 645.6 | 709.6 |
| 35°    | 522.9 | 554.9 | 602.5 | 667.2 |
| 37.5°  | 486.4 | 517.7 | 569.7 | 629.3 |
| 40°    | 450.7 | 483.5 | 528.1 | 587.6 |
| 42.5°  | 417.3 | 446.3 | 486.4 | 545.9 |
| 45°    | 386.8 | 407.6 | 444.8 | 500.6 |
| 47.5°  | 354.8 | 373.4 | 407.6 | 463.4 |
| 50°    | 325.0 | 340.7 | 370.4 | 422.5 |
| 52.5°  | 296.0 | 309.4 | 336.9 | 378.6 |
| 55°    | 270.0 | 282.6 | 302.7 | 343.6 |
| 57.5°  | 243.2 | 252.9 | 272.2 | 305.0 |
| 60°    | 217.2 | 226.1 | 241.7 | 268.5 |
| 62.5°  | 191.2 | 198.6 | 213.5 | 235.0 |
| 65°    | 168.1 | 174.0 | 185.2 | 203.8 |
| 67.5°  | 145.8 | 149.5 | 158.4 | 173.3 |
| 70°    | 124.2 | 127.2 | 134.6 | 146.5 |
| 72.5°  | 101.2 | 104.1 | 112.3 | 120.5 |
| 75°    | 81.8  | 82.6  | 88.5  | 95.2  |
| 77.5°  | 64.0  | 63.2  | 67.7  | 72.9  |
| 80°    | 43.9  | 46.1  | 49.8  | 52.1  |
| 82.5°  | 29.8  | 30.5  | 32.0  | 33.5  |
| 85°    | 16.4  | 17.1  | 17.1  | 19.3  |
| 87.5°  | 6.7   | 7.4   | 7.4   | 8.2   |
| 90°    | 7.5   | 5.3   | 3.1   | 0.9   |
| 92.5°  | 20.2  | 21.0  | 21.8  | 22.6  |
| 95°    | 38.9  | 45.5  | 52.2  | 58.8  |
| 97.5°  | 56.3  | 72.8  | 89.3  | 105.8 |
| 100°   | 77.5  | 105.0 | 132.5 | 160.0 |
| 102.5° | 218.5 | 218.9 | 219.3 | 219.7 |
| 105°   | 292.9 | 286.9 | 280.8 | 274.8 |
| 107.5° | 354.1 | 349.0 | 344.0 | 339.0 |
| 110°   | 413.2 | 408.9 | 404.7 | 400.5 |

TEST NUMBER: P998639

CATALOG NUMBER: SA2XXDIP-B485D925UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 112.5° | 469.2  | 465.6  | 462.0  | 458.4  |
| 115°   | 530.1  | 526.6  | 523.2  | 519.8  |
| 117.5° | 585.2  | 581.2  | 577.2  | 573.2  |
| 120°   | 641.9  | 638.8  | 635.8  | 632.8  |
| 122.5° | 693.1  | 689.9  | 686.7  | 683.5  |
| 125°   | 742.8  | 740.2  | 737.6  | 735.0  |
| 127.5° | 790.5  | 787.6  | 784.8  | 782.0  |
| 130°   | 836.0  | 832.7  | 829.5  | 826.3  |
| 132.5° | 879.4  | 876.7  | 874.1  | 871.5  |
| 135°   | 919.1  | 915.9  | 912.7  | 909.5  |
| 137.5° | 956.5  | 954.1  | 951.7  | 949.3  |
| 140°   | 993.0  | 991.3  | 989.7  | 988.1  |
| 142.5° | 1024.9 | 1023.5 | 1022.1 | 1020.7 |
| 145°   | 1054.4 | 1054.6 | 1054.8 | 1055.0 |
| 147.5° | 1083.1 | 1083.7 | 1084.3 | 1084.9 |
| 150°   | 1109.6 | 1111.0 | 1112.4 | 1113.8 |
| 152.5° | 1133.4 | 1135.0 | 1136.6 | 1138.2 |
| 155°   | 1156.3 | 1158.1 | 1159.9 | 1161.7 |
| 157.5° | 1175.9 | 1177.5 | 1179.1 | 1180.7 |
| 160°   | 1193.3 | 1194.6 | 1195.8 | 1197.0 |
| 162.5° | 1207.8 | 1209.0 | 1210.2 | 1211.4 |
| 165°   | 1220.5 | 1221.7 | 1222.9 | 1224.1 |
| 167.5° | 1230.4 | 1231.6 | 1232.8 | 1234.0 |
| 170°   | 1238.5 | 1239.8 | 1241.0 | 1242.2 |
| 172.5° | 1244.0 | 1245.2 | 1246.4 | 1247.6 |
| 175°   | 1247.9 | 1249.3 | 1250.7 | 1252.1 |
| 177.5° | 1249.7 | 1251.1 | 1252.5 | 1253.9 |
| 180°   | 1249.4 | 1249.4 | 1249.4 | 1249.4 |

TEST NUMBER: P998639

CATALOG NUMBER: SA2XXDIP-B485D925UB30-4F0-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 | 13.96            | 14.69 | 15.03 | 15.76 | 17.21 | 11.45          | 12.18 | 12.52 | 13.25 | 14.70 |
|                 | 3H   | 14.76            | 15.41 | 15.84 | 16.49 | 17.96 | 12.79          | 13.44 | 13.86 | 14.52 | 15.98 |
|                 | 4H   | 14.92            | 15.54 | 16.01 | 16.62 | 18.09 | 13.24          | 13.86 | 14.33 | 14.94 | 16.41 |
|                 | 6H   | 14.96            | 15.53 | 16.06 | 16.61 | 18.10 | 13.54          | 14.11 | 14.64 | 15.19 | 16.68 |
|                 | 8H   | 14.94            | 15.48 | 16.04 | 16.57 | 18.06 | 13.62          | 14.17 | 14.72 | 15.26 | 16.74 |
|                 | 12H  | 14.90            | 15.41 | 16.00 | 16.50 | 18.00 | 13.66          | 14.18 | 14.77 | 15.27 | 16.77 |
| 4H              | 2H   | 13.98            | 14.60 | 15.08 | 15.68 | 17.15 | 11.88          | 12.50 | 12.98 | 13.58 | 15.05 |
|                 | 3H   | 14.95            | 15.47 | 16.05 | 16.57 | 18.06 | 13.33          | 13.85 | 14.43 | 14.95 | 16.44 |
|                 | 4H   | 15.22            | 15.70 | 16.33 | 16.79 | 18.30 | 13.86          | 14.33 | 14.97 | 15.43 | 16.94 |
|                 | 6H   | 15.35            | 15.75 | 16.46 | 16.87 | 18.37 | 14.23          | 14.64 | 15.35 | 15.75 | 17.26 |
|                 | 8H   | 15.34            | 15.72 | 16.46 | 16.83 | 18.35 | 14.34          | 14.72 | 15.45 | 15.83 | 17.34 |
|                 | 12H  | 15.30            | 15.64 | 16.43 | 16.77 | 18.29 | 14.39          | 14.73 | 15.52 | 15.85 | 17.38 |
| 8H              | 4H   | 15.22            | 15.60 | 16.34 | 16.71 | 18.23 | 13.99          | 14.37 | 15.11 | 15.48 | 17.00 |
|                 | 6H   | 15.40            | 15.71 | 16.53 | 16.86 | 18.37 | 14.42          | 14.73 | 15.56 | 15.89 | 17.40 |
|                 | 8H   | 15.43            | 15.70 | 16.57 | 16.83 | 18.37 | 14.57          | 14.85 | 15.71 | 15.98 | 17.51 |
|                 | 12H  | 15.41            | 15.65 | 16.55 | 16.77 | 18.34 | 14.66          | 14.90 | 15.80 | 16.03 | 17.60 |
| 12H             | 4H   | 15.18            | 15.52 | 16.31 | 16.64 | 18.16 | 13.96          | 14.30 | 15.09 | 15.42 | 16.95 |
|                 | 6H   | 15.38            | 15.65 | 16.52 | 16.78 | 18.31 | 14.42          | 14.70 | 15.56 | 15.83 | 17.36 |
|                 | 8H   | 15.40            | 15.64 | 16.55 | 16.77 | 18.34 | 14.57          | 14.81 | 15.72 | 15.94 | 17.51 |