

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: P998537

Luminaire Tested: SA2XXDIP-B485D530UB40-4F0-XX-W2A-A

Issue Date: 5/6/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P998537  
REPORT IS A COMBINATION OF REPORTS P984280 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/6/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: SA2XXDIP-B485D530UB40-4F0-XX-W2A-A  
Description: Define 2 Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}  
Light Source: -  
Ballast/Driver: -

**Summary**

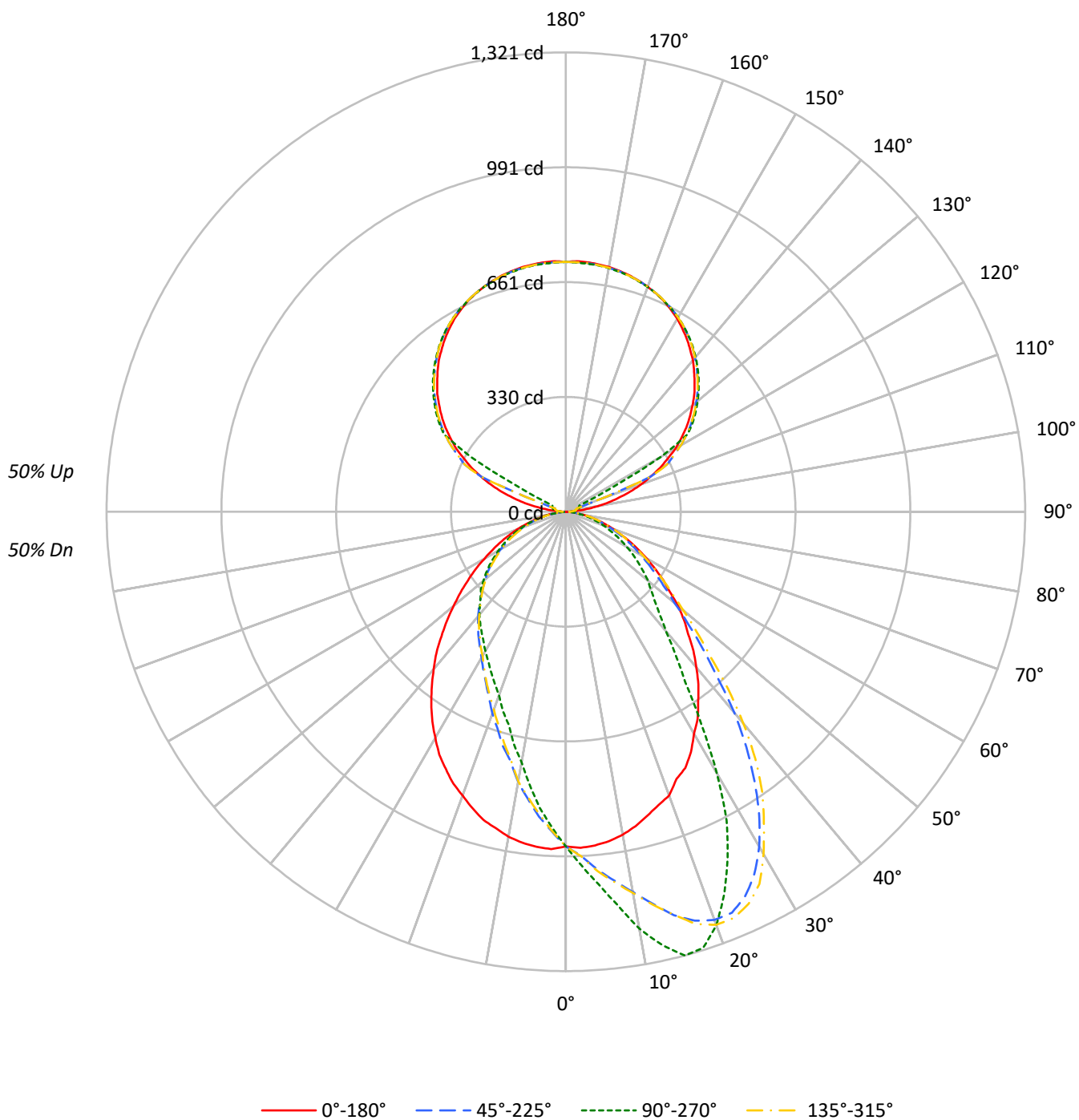
Lumens per Lamp: N/A  
Luminaire Lumens: 4231.0 lumens  
Efficiency: N/A  
Efficacy: 107.4 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 39.4  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P998537

CATALOG NUMBER: SA2XXDIP-B485D530UB40-4F0-XX-W2A-A

### Luminous Intensity Polar Plot



TEST NUMBER: P998537

CATALOG NUMBER: SA2XXDIP-B485D530UB40-4F0-XX-W2A-A

**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   | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 83 | 83 | 83 | 69 | 69 | 69 | 56 | 56 | 56 |
| 1   | 98  | 94  | 90  | 87  | 91 | 87 | 84 | 81 | 74 | 72 | 70 | 62 | 60 | 59 | 51 | 49 | 49 |
| 2   | 90  | 83  | 77  | 72  | 83 | 77 | 72 | 67 | 65 | 62 | 58 | 55 | 52 | 50 | 45 | 43 | 42 |
| 3   | 82  | 73  | 66  | 61  | 76 | 68 | 62 | 57 | 58 | 53 | 50 | 49 | 45 | 43 | 40 | 38 | 36 |
| 4   | 76  | 65  | 57  | 52  | 70 | 61 | 54 | 49 | 52 | 47 | 43 | 44 | 40 | 37 | 36 | 34 | 31 |
| 5   | 70  | 58  | 50  | 45  | 64 | 54 | 47 | 42 | 47 | 41 | 37 | 40 | 36 | 32 | 33 | 30 | 28 |
| 6   | 64  | 52  | 45  | 39  | 59 | 49 | 42 | 37 | 42 | 37 | 33 | 36 | 32 | 29 | 30 | 27 | 25 |
| 7   | 60  | 48  | 40  | 34  | 55 | 44 | 37 | 33 | 38 | 33 | 29 | 33 | 29 | 26 | 28 | 24 | 22 |
| 8   | 55  | 43  | 36  | 31  | 51 | 40 | 34 | 29 | 35 | 30 | 26 | 30 | 26 | 23 | 26 | 22 | 20 |
| 9   | 52  | 40  | 32  | 27  | 48 | 37 | 31 | 26 | 32 | 27 | 23 | 28 | 24 | 21 | 24 | 20 | 18 |
| 10  | 48  | 36  | 29  | 25  | 45 | 34 | 28 | 23 | 30 | 25 | 21 | 26 | 22 | 19 | 22 | 19 | 17 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 15231 | 15231 | 15231 | 15231 |
| 5°  | 15268 | 16241 | 15327 | 12921 |
| 10° | 15091 | 17729 | 15185 | 10653 |
| 15° | 14726 | 18701 | 14929 | 8974  |
| 20° | 14495 | 17558 | 14495 | 7799  |
| 25° | 14033 | 15085 | 14096 | 6975  |
| 30° | 13274 | 11858 | 13526 | 6317  |
| 35° | 12599 | 8200  | 12810 | 5780  |
| 40° | 11826 | 6191  | 11961 | 5351  |
| 45° | 10872 | 5087  | 11049 | 4890  |
| 50° | 10046 | 4465  | 10063 | 4476  |
| 55° | 9105  | 3805  | 9164  | 4027  |
| 60° | 8102  | 3179  | 8214  | 3514  |
| 65° | 7206  | 2585  | 7337  | 3001  |
| 70° | 6310  | 2027  | 6470  | 2420  |
| 75° | 5298  | 1472  | 5505  | 1755  |
| 80° | 4136  | 933   | 4431  | 1043  |
| 85° | 2712  | 470   | 2924  | 348   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 15745 cd/sqm

TEST NUMBER: P998537

CATALOG NUMBER: SA2XXDIP-B485D530UB40-4F0-XX-W2A-A

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 91.7   | 2.2       |
| 10°-20°   | 266.8  | 6.3       |
| 20°-30°   | 387.2  | 9.2       |
| 30°-40°   | 408.1  | 9.6       |
| 40°-50°   | 361.2  | 8.5       |
| 50°-60°   | 288.4  | 6.8       |
| 60°-70°   | 195.9  | 4.6       |
| 70°-80°   | 100.2  | 2.4       |
| 80°-90°   | 24.9   | 0.6       |
| 90°-100°  | 23.7   | 0.6       |
| 100°-110° | 88.3   | 2.1       |
| 110°-120° | 234.3  | 5.5       |
| 120°-130° | 388.6  | 9.2       |
| 130°-140° | 412.7  | 9.8       |
| 140°-150° | 383.6  | 9.1       |
| 150°-160° | 308.4  | 7.3       |
| 160°-170° | 198.7  | 4.7       |
| 170°-180° | 68.4   | 1.6       |
| 0°-30°    | 745.6  | 17.6      |
| 0°-40°    | 1153.7 | 27.3      |
| 0°-60°    | 1803.2 | 42.6      |
| 0°-90°    | 2124.3 | 50.2      |
| 90°-120°  | 346.3  | 8.2       |
| 90°-150°  | 1531.2 | 36.2      |
| 90°-180°  | 2107.0 | 49.8      |
| 0°-180°   | 4231.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 90°  | 180° | 270° | 360° | Flux |
|------|-----|------|------|------|------|------|
| 0°   | 962 | 962  | 962  | 962  | 962  |      |
| 5°   | 963 | 1075 | 967  | 855  | 963  | 91   |
| 15°  | 905 | 1321 | 917  | 634  | 905  | 255  |
| 25°  | 813 | 1101 | 816  | 509  | 813  | 372  |
| 35°  | 663 | 599  | 674  | 422  | 663  | 415  |
| 45°  | 498 | 361  | 506  | 347  | 498  | 386  |
| 55°  | 342 | 254  | 344  | 268  | 342  | 305  |
| 65°  | 203 | 156  | 206  | 181  | 203  | 201  |
| 75°  | 95  | 77   | 98   | 92   | 95   | 102  |
| 85°  | 19  | 20   | 21   | 15   | 19   | 22   |
| 90°  | 0   | 14   | 0    | 14   | 0    | 3    |
| 95°  | 34  | 22   | 34   | 22   | 34   | 40   |
| 105° | 158 | 40   | 158  | 40   | 158  | 169  |
| 115° | 299 | 43   | 299  | 43   | 299  | 294  |
| 125° | 423 | 445  | 423  | 445  | 423  | 377  |
| 135° | 523 | 540  | 523  | 540  | 523  | 404  |
| 145° | 607 | 616  | 607  | 616  | 607  | 380  |
| 155° | 668 | 669  | 668  | 669  | 668  | 308  |
| 165° | 704 | 702  | 704  | 702  | 704  | 199  |
| 175° | 720 | 716  | 720  | 716  | 720  | 69   |
| 180° | 719 | 719  | 719  | 719  | 719  |      |

TEST NUMBER: P998537

CATALOG NUMBER: SA2XXDIP-B485D530UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 962.2 | 962.2 | 962.2 | 962.2  | 962.2  | 962.2  | 962.2  | 962.2  | 962.2  | 962.2  | 962.2  |
| 2.5°   | 967.4 | 969.6 | 973.3 | 974.1  | 981.5  | 987.4  | 994.0  | 994.0  | 996.3  | 995.5  | 989.6  |
| 5°     | 963.0 | 969.6 | 979.3 | 987.4  | 1000.7 | 1006.6 | 1015.5 | 1022.2 | 1028.1 | 1032.5 | 1031.8 |
| 7.5°   | 955.6 | 967.4 | 981.5 | 997.0  | 1014.8 | 1025.1 | 1037.7 | 1049.5 | 1057.7 | 1065.0 | 1070.2 |
| 10°    | 943.0 | 963.0 | 982.2 | 1002.9 | 1025.8 | 1039.9 | 1054.7 | 1070.2 | 1082.8 | 1096.9 | 1110.2 |
| 12.5°  | 926.0 | 954.8 | 978.5 | 1005.9 | 1034.0 | 1049.5 | 1073.2 | 1085.0 | 1109.4 | 1144.9 | 1154.5 |
| 15°    | 904.6 | 943.8 | 965.9 | 1000.7 | 1037.7 | 1050.3 | 1082.8 | 1102.0 | 1152.3 | 1174.5 | 1201.1 |
| 17.5°  | 884.6 | 928.2 | 957.8 | 997.7  | 1034.0 | 1058.4 | 1090.2 | 1129.4 | 1171.6 | 1203.4 | 1232.9 |
| 20°    | 868.3 | 910.5 | 946.0 | 990.3  | 1036.2 | 1067.3 | 1100.6 | 1147.9 | 1193.7 | 1226.3 | 1249.2 |
| 22.5°  | 831.3 | 885.3 | 926.7 | 976.3  | 1031.8 | 1074.7 | 1106.5 | 1158.2 | 1207.8 | 1227.8 | 1247.7 |
| 25°    | 812.8 | 859.4 | 907.5 | 963.7  | 1028.8 | 1079.8 | 1107.2 | 1164.9 | 1208.5 | 1215.9 | 1220.4 |
| 27.5°  | 778.8 | 831.3 | 887.5 | 951.9  | 1028.1 | 1071.0 | 1105.7 | 1158.2 | 1193.0 | 1187.8 | 1174.5 |
| 30°    | 736.7 | 801.0 | 863.1 | 932.7  | 1017.7 | 1064.3 | 1096.9 | 1144.9 | 1162.7 | 1136.1 | 1112.4 |
| 32.5°  | 705.6 | 766.2 | 835.0 | 915.6  | 1005.9 | 1050.3 | 1082.1 | 1119.8 | 1123.5 | 1075.4 | 1035.5 |
| 35°    | 663.4 | 730.7 | 808.4 | 893.5  | 985.9  | 1025.8 | 1055.4 | 1078.4 | 1060.6 | 993.3  | 946.0  |
| 37.5°  | 625.7 | 692.3 | 775.1 | 861.7  | 958.5  | 997.7  | 1021.4 | 1025.1 | 981.5  | 922.3  | 852.8  |
| 40°    | 584.3 | 653.1 | 739.6 | 830.6  | 928.2  | 962.2  | 977.0  | 965.9  | 903.1  | 834.3  | 753.7  |
| 42.5°  | 542.9 | 610.9 | 704.1 | 797.3  | 889.8  | 918.6  | 924.5  | 894.2  | 817.3  | 736.7  | 643.5  |
| 45°    | 497.8 | 568.8 | 662.0 | 755.9  | 845.4  | 861.7  | 862.4  | 818.8  | 727.8  | 643.5  | 556.9  |
| 47.5°  | 460.8 | 526.6 | 619.1 | 713.0  | 788.4  | 799.5  | 795.1  | 744.8  | 645.7  | 551.0  | 475.6  |
| 50°    | 420.1 | 483.0 | 574.7 | 667.1  | 731.5  | 734.4  | 723.3  | 651.6  | 554.7  | 468.2  | 408.3  |
| 52.5°  | 376.5 | 440.1 | 524.4 | 613.1  | 670.8  | 666.4  | 644.9  | 568.0  | 477.1  | 405.3  | 359.5  |
| 55°    | 341.7 | 397.9 | 477.1 | 563.6  | 604.3  | 591.7  | 568.0  | 489.6  | 417.9  | 357.2  | 317.3  |
| 57.5°  | 303.2 | 352.8 | 430.5 | 505.9  | 529.6  | 517.7  | 494.1  | 420.8  | 354.3  | 308.4  | 281.8  |
| 60°    | 267.0 | 312.1 | 380.2 | 443.0  | 461.5  | 448.9  | 421.6  | 355.8  | 307.7  | 269.2  | 249.3  |
| 62.5°  | 233.7 | 272.9 | 329.9 | 387.6  | 395.0  | 382.4  | 358.7  | 305.5  | 264.0  | 233.7  | 218.9  |
| 65°    | 202.7 | 239.6 | 285.5 | 329.1  | 335.8  | 322.5  | 298.1  | 259.6  | 224.8  | 205.6  | 191.6  |
| 67.5°  | 172.3 | 201.9 | 242.6 | 274.4  | 278.1  | 265.5  | 245.6  | 214.5  | 193.0  | 172.3  | 162.0  |
| 70°    | 145.7 | 167.9 | 199.7 | 225.6  | 227.1  | 215.2  | 204.9  | 176.8  | 160.5  | 145.7  | 137.6  |
| 72.5°  | 119.8 | 135.4 | 159.8 | 179.0  | 179.7  | 172.3  | 162.7  | 145.0  | 130.9  | 120.6  | 112.4  |
| 75°    | 94.7  | 108.0 | 122.8 | 139.8  | 139.0  | 133.1  | 125.7  | 114.6  | 102.8  | 96.2   | 92.5   |
| 77.5°  | 72.5  | 80.6  | 92.5  | 103.5  | 103.5  | 100.6  | 96.2   | 88.0   | 80.6   | 74.0   | 70.3   |
| 80°    | 51.8  | 57.0  | 66.6  | 70.3   | 71.7   | 71.0   | 67.3   | 61.4   | 58.4   | 53.3   | 51.8   |
| 82.5°  | 33.3  | 37.0  | 41.4  | 45.1   | 47.3   | 45.9   | 45.1   | 42.2   | 37.7   | 36.2   | 34.8   |
| 85°    | 19.2  | 20.7  | 22.9  | 25.1   | 25.9   | 25.1   | 26.6   | 24.4   | 22.2   | 22.2   | 21.4   |
| 87.5°  | 8.1   | 8.9   | 10.4  | 10.4   | 11.1   | 11.1   | 10.4   | 11.1   | 11.1   | 10.4   | 9.6    |
| 90°    | 0.5   | 1.8   | 3.0   | 4.3    | 5.6    | 6.2    | 6.7    | 7.6    | 8.5    | 9.5    | 10.4   |
| 92.5°  | 13.0  | 12.5  | 12.1  | 11.6   | 11.1   | 10.9   | 11.1   | 11.4   | 11.8   | 12.1   | 12.5   |
| 95°    | 33.8  | 30.0  | 26.2  | 22.3   | 18.5   | 16.6   | 17.0   | 17.8   | 18.7   | 19.5   | 20.3   |
| 97.5°  | 60.8  | 51.3  | 41.9  | 32.4   | 22.9   | 18.2   | 19.1   | 21.0   | 22.8   | 24.7   | 26.5   |
| 100°   | 92.0  | 76.2  | 60.4  | 44.5   | 28.7   | 20.8   | 21.8   | 23.7   | 25.7   | 27.6   | 29.6   |
| 102.5° | 126.4 | 126.2 | 125.9 | 125.7  | 125.4  | 125.3  | 114.8  | 93.8   | 72.7   | 51.7   | 30.7   |
| 105°   | 158.1 | 161.6 | 165.0 | 168.5  | 172.0  | 173.7  | 157.9  | 126.4  | 94.8   | 63.3   | 31.7   |
| 107.5° | 195.0 | 197.9 | 200.8 | 203.7  | 206.6  | 208.0  | 188.5  | 149.6  | 110.7  | 71.7   | 32.8   |
| 110°   | 230.4 | 232.8 | 235.2 | 237.7  | 240.1  | 241.3  | 224.6  | 191.2  | 157.8  | 124.4  | 91.0   |

TEST NUMBER: P998537

CATALOG NUMBER: SA2XXDIP-B485D530UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 263.6 | 265.7 | 267.8 | 269.9 | 272.0 | 273.0 | 272.0 | 270.1 | 268.1 | 266.2 | 264.2 |
| 115°   | 299.0 | 301.0 | 302.9 | 304.9 | 306.8 | 307.8 | 309.2 | 312.1 | 315.0 | 317.9 | 320.8 |
| 117.5° | 329.7 | 332.0 | 334.3 | 336.6 | 338.9 | 340.1 | 341.1 | 343.0 | 345.0 | 346.9 | 348.9 |
| 120°   | 364.0 | 365.7 | 367.5 | 369.2 | 370.9 | 371.8 | 372.8 | 374.9 | 377.0 | 379.0 | 381.1 |
| 122.5° | 393.1 | 394.9 | 396.8 | 398.6 | 400.5 | 401.4 | 402.6 | 404.9 | 407.2 | 409.5 | 411.8 |
| 125°   | 422.7 | 424.2 | 425.7 | 427.2 | 428.7 | 429.5 | 430.6 | 432.8 | 435.0 | 437.2 | 439.4 |
| 127.5° | 449.8 | 451.4 | 453.0 | 454.7 | 456.3 | 457.1 | 458.0 | 459.7 | 461.4 | 463.2 | 464.9 |
| 130°   | 475.3 | 477.1 | 479.0 | 480.8 | 482.7 | 483.6 | 484.2 | 485.5 | 486.8 | 488.0 | 489.3 |
| 132.5° | 501.3 | 502.8 | 504.3 | 505.8 | 507.3 | 508.0 | 508.6 | 509.9 | 511.2 | 512.4 | 513.7 |
| 135°   | 523.1 | 524.9 | 526.8 | 528.6 | 530.5 | 531.4 | 531.9 | 533.0 | 534.0 | 535.1 | 536.1 |
| 137.5° | 546.0 | 547.4 | 548.8 | 550.1 | 551.5 | 552.2 | 552.8 | 553.9 | 555.1 | 556.2 | 557.4 |
| 140°   | 568.3 | 569.2 | 570.2 | 571.1 | 572.0 | 572.5 | 573.1 | 574.4 | 575.7 | 576.9 | 578.2 |
| 142.5° | 587.1 | 587.9 | 588.7 | 589.5 | 590.3 | 590.7 | 591.5 | 593.0 | 594.5 | 596.0 | 597.5 |
| 145°   | 606.8 | 606.7 | 606.6 | 606.5 | 606.4 | 606.3 | 607.3 | 609.2 | 611.2 | 613.1 | 615.1 |
| 147.5° | 624.0 | 623.6 | 623.3 | 622.9 | 622.6 | 622.4 | 623.4 | 625.4 | 627.3 | 629.3 | 631.3 |
| 150°   | 640.6 | 639.8 | 639.0 | 638.2 | 637.4 | 637.0 | 637.9 | 639.8 | 641.6 | 643.5 | 645.3 |
| 152.5° | 654.7 | 653.8 | 652.8 | 651.9 | 651.0 | 650.5 | 651.4 | 653.1 | 654.8 | 656.6 | 658.3 |
| 155°   | 668.2 | 667.2 | 666.1 | 665.1 | 664.0 | 663.5 | 664.2 | 665.6 | 666.9 | 668.3 | 669.7 |
| 157.5° | 679.1 | 678.2 | 677.2 | 676.3 | 675.4 | 674.9 | 675.4 | 676.5 | 677.5 | 678.6 | 679.6 |
| 160°   | 688.5 | 687.8 | 687.1 | 686.4 | 685.7 | 685.3 | 685.7 | 686.4 | 687.1 | 687.8 | 688.5 |
| 162.5° | 696.8 | 696.1 | 695.4 | 694.7 | 694.0 | 693.7 | 694.0 | 694.6 | 695.1 | 695.7 | 696.3 |
| 165°   | 704.1 | 703.4 | 702.7 | 702.0 | 701.3 | 700.9 | 701.1 | 701.4 | 701.8 | 702.1 | 702.5 |
| 167.5° | 709.8 | 709.1 | 708.4 | 707.7 | 707.0 | 706.7 | 706.9 | 707.2 | 707.5 | 707.9 | 708.2 |
| 170°   | 714.5 | 713.8 | 713.1 | 712.4 | 711.7 | 711.3 | 711.4 | 711.7 | 711.9 | 712.2 | 712.4 |
| 172.5° | 717.6 | 716.9 | 716.2 | 715.5 | 714.8 | 714.5 | 714.6 | 714.8 | 715.1 | 715.3 | 715.5 |
| 175°   | 720.2 | 719.4 | 718.6 | 717.7 | 716.9 | 716.5 | 716.6 | 716.9 | 717.1 | 717.4 | 717.6 |
| 177.5° | 721.2 | 720.4 | 719.6 | 718.8 | 718.0 | 717.6 | 717.7 | 717.8 | 717.9 | 718.0 | 718.1 |
| 180°   | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 |

TEST NUMBER: P998537

CATALOG NUMBER: SA2XXDIP-B485D530UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 962.2  | 962.2  | 962.2  | 962.2  | 962.2  | 962.2  | 962.2  | 962.2  | 962.2  | 962.2  | 962.2  |
| 2.5°   | 1000.0 | 1000.7 | 1002.2 | 1009.6 | 1013.3 | 1014.0 | 1011.1 | 1017.7 | 1019.9 | 1017.7 | 1016.2 |
| 5°     | 1047.3 | 1051.7 | 1060.6 | 1070.2 | 1069.5 | 1070.2 | 1074.7 | 1079.1 | 1080.6 | 1074.7 | 1076.9 |
| 7.5°   | 1088.7 | 1097.6 | 1107.2 | 1122.0 | 1122.0 | 1129.4 | 1132.4 | 1136.1 | 1144.9 | 1140.5 | 1139.0 |
| 10°    | 1136.1 | 1147.9 | 1165.6 | 1189.3 | 1190.0 | 1197.4 | 1204.8 | 1216.7 | 1220.4 | 1217.4 | 1218.9 |
| 12.5°  | 1195.2 | 1218.2 | 1219.6 | 1245.5 | 1257.3 | 1258.8 | 1270.7 | 1268.4 | 1275.8 | 1275.8 | 1288.4 |
| 15°    | 1221.1 | 1256.6 | 1276.6 | 1301.7 | 1309.1 | 1300.2 | 1309.9 | 1320.2 | 1321.0 | 1321.0 | 1320.2 |
| 17.5°  | 1267.7 | 1281.8 | 1301.7 | 1315.0 | 1318.0 | 1318.0 | 1318.7 | 1323.2 | 1320.2 | 1314.3 | 1318.7 |
| 20°    | 1277.3 | 1283.2 | 1290.6 | 1289.2 | 1290.6 | 1283.2 | 1275.8 | 1268.4 | 1269.2 | 1265.5 | 1276.6 |
| 22.5°  | 1259.6 | 1258.1 | 1241.1 | 1230.0 | 1230.0 | 1215.2 | 1201.1 | 1194.5 | 1187.8 | 1190.0 | 1193.7 |
| 25°    | 1215.2 | 1192.3 | 1171.6 | 1155.3 | 1151.6 | 1127.9 | 1108.7 | 1102.8 | 1091.7 | 1100.6 | 1102.0 |
| 27.5°  | 1144.2 | 1118.3 | 1085.0 | 1071.0 | 1051.7 | 1042.1 | 1028.8 | 1011.1 | 988.1  | 1001.4 | 999.2  |
| 30°    | 1068.0 | 1029.5 | 1002.2 | 968.2  | 937.8  | 935.6  | 910.5  | 880.9  | 869.1  | 869.1  | 875.7  |
| 32.5°  | 983.0  | 931.9  | 892.0  | 843.9  | 814.3  | 801.7  | 771.4  | 741.8  | 748.5  | 726.3  | 734.4  |
| 35°    | 883.8  | 816.5  | 766.2  | 719.6  | 697.5  | 682.7  | 643.5  | 627.2  | 609.4  | 599.1  | 618.3  |
| 37.5°  | 789.2  | 711.5  | 647.2  | 596.1  | 588.0  | 561.4  | 534.7  | 524.4  | 514.0  | 518.5  | 517.7  |
| 40°    | 673.8  | 605.0  | 547.3  | 507.4  | 493.3  | 480.8  | 463.0  | 450.4  | 443.8  | 447.5  | 448.2  |
| 42.5°  | 569.5  | 511.8  | 468.9  | 440.8  | 429.0  | 420.1  | 411.2  | 400.9  | 398.7  | 398.7  | 401.6  |
| 45°    | 488.9  | 441.6  | 412.7  | 389.8  | 383.1  | 376.5  | 369.8  | 365.4  | 363.9  | 360.9  | 363.2  |
| 47.5°  | 424.5  | 386.8  | 369.1  | 352.1  | 344.7  | 343.2  | 337.3  | 335.0  | 332.1  | 331.3  | 332.1  |
| 50°    | 370.5  | 346.9  | 330.6  | 321.0  | 315.8  | 313.6  | 310.6  | 306.2  | 304.7  | 308.4  | 306.9  |
| 52.5°  | 332.8  | 310.6  | 301.8  | 292.1  | 289.2  | 286.2  | 281.8  | 282.5  | 281.8  | 280.3  | 280.3  |
| 55°    | 295.1  | 281.1  | 272.2  | 264.8  | 264.0  | 261.1  | 257.4  | 255.9  | 255.2  | 253.7  | 255.9  |
| 57.5°  | 264.8  | 253.7  | 245.6  | 238.9  | 235.9  | 235.9  | 232.2  | 229.3  | 229.3  | 228.5  | 229.3  |
| 60°    | 234.5  | 223.4  | 218.2  | 211.5  | 209.3  | 208.6  | 206.4  | 204.9  | 202.7  | 202.7  | 202.7  |
| 62.5°  | 206.4  | 197.5  | 191.6  | 185.6  | 186.4  | 182.7  | 179.7  | 178.2  | 178.2  | 179.0  | 179.0  |
| 65°    | 179.7  | 173.8  | 166.4  | 161.2  | 159.8  | 159.0  | 157.5  | 156.8  | 154.6  | 156.1  | 156.1  |
| 67.5°  | 155.3  | 147.2  | 142.7  | 140.5  | 138.3  | 137.6  | 136.1  | 134.6  | 133.9  | 133.1  | 134.6  |
| 70°    | 130.9  | 124.3  | 120.6  | 119.1  | 116.9  | 116.1  | 115.4  | 113.2  | 113.9  | 114.6  | 115.4  |
| 72.5°  | 108.7  | 102.8  | 102.1  | 97.6   | 97.6   | 97.6   | 94.7   | 96.2   | 95.4   | 93.9   | 95.4   |
| 75°    | 85.8   | 82.8   | 81.4   | 79.1   | 79.9   | 79.1   | 78.4   | 76.2   | 76.2   | 76.9   | 77.7   |
| 77.5°  | 68.0   | 65.1   | 64.3   | 62.1   | 60.6   | 62.1   | 60.6   | 59.9   | 59.9   | 60.6   | 60.6   |
| 80°    | 50.3   | 48.8   | 46.6   | 46.6   | 46.6   | 45.9   | 45.9   | 45.9   | 45.1   | 44.4   | 45.1   |
| 82.5°  | 33.3   | 33.3   | 32.5   | 31.8   | 32.5   | 31.1   | 31.8   | 31.8   | 31.8   | 31.8   | 31.8   |
| 85°    | 21.4   | 20.7   | 20.7   | 20.0   | 20.0   | 20.0   | 20.7   | 19.2   | 19.2   | 20.0   | 20.0   |
| 87.5°  | 9.6    | 9.6    | 9.6    | 10.4   | 9.6    | 9.6    | 9.6    | 10.4   | 9.6    | 9.6    | 9.6    |
| 90°    | 11.0   | 11.6   | 12.1   | 12.7   | 13.0   | 13.1   | 13.3   | 13.6   | 13.8   | 14.0   | 13.8   |
| 92.5°  | 12.7   | 12.9   | 13.2   | 13.4   | 13.5   | 13.6   | 13.7   | 13.8   | 13.9   | 14.0   | 13.9   |
| 95°    | 20.9   | 21.5   | 22.0   | 22.6   | 22.9   | 22.8   | 22.7   | 22.6   | 22.5   | 22.4   | 22.5   |
| 97.5°  | 26.9   | 27.2   | 27.6   | 27.9   | 28.1   | 28.2   | 28.3   | 28.4   | 28.5   | 28.6   | 28.5   |
| 100°   | 30.5   | 31.5   | 32.4   | 33.3   | 33.8   | 33.9   | 34.1   | 34.4   | 34.6   | 34.8   | 34.6   |
| 102.5° | 32.0   | 33.2   | 34.5   | 35.8   | 36.4   | 36.6   | 36.9   | 37.3   | 37.6   | 38.0   | 37.6   |
| 105°   | 33.0   | 34.2   | 35.5   | 36.8   | 37.4   | 37.6   | 38.1   | 38.6   | 39.0   | 39.5   | 39.0   |
| 107.5° | 34.1   | 35.3   | 36.6   | 37.9   | 38.5   | 38.7   | 39.2   | 39.7   | 40.1   | 40.6   | 40.1   |
| 110°   | 79.4   | 67.9   | 56.3   | 44.8   | 39.0   | 39.2   | 39.7   | 40.2   | 40.6   | 41.1   | 40.6   |



TEST NUMBER: P998537

CATALOG NUMBER: SA2XXDIP-B485D530UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 214.4 | 164.6 | 114.7 | 64.9  | 40.0  | 40.2  | 40.5  | 40.9  | 41.2  | 41.6  | 41.2  |
| 115°   | 267.3 | 213.8 | 160.3 | 106.8 | 80.1  | 75.9  | 67.6  | 59.3  | 50.9  | 42.6  | 50.9  |
| 117.5° | 332.4 | 315.9 | 299.4 | 282.9 | 274.6 | 259.5 | 229.2 | 198.9 | 168.6 | 138.3 | 168.6 |
| 120°   | 382.5 | 383.9 | 385.3 | 386.7 | 387.4 | 379.6 | 364.0 | 348.4 | 332.8 | 317.2 | 332.8 |
| 122.5° | 412.5 | 413.2 | 413.9 | 414.6 | 414.9 | 415.0 | 415.1 | 415.2 | 415.4 | 415.5 | 415.4 |
| 125°   | 440.2 | 441.0 | 441.8 | 442.6 | 443.0 | 443.2 | 443.5 | 443.9 | 444.2 | 444.6 | 444.2 |
| 127.5° | 466.1 | 467.2 | 468.4 | 469.5 | 470.1 | 470.2 | 470.3 | 470.4 | 470.5 | 470.6 | 470.5 |
| 130°   | 490.6 | 491.8 | 493.1 | 494.4 | 495.0 | 494.9 | 494.8 | 494.7 | 494.6 | 494.5 | 494.6 |
| 132.5° | 514.7 | 515.8 | 516.8 | 517.9 | 518.4 | 518.3 | 518.2 | 518.1 | 518.0 | 517.9 | 518.0 |
| 135°   | 537.3 | 538.4 | 539.6 | 540.7 | 541.3 | 541.2 | 541.0 | 540.7 | 540.5 | 540.3 | 540.5 |
| 137.5° | 558.6 | 559.7 | 560.9 | 562.0 | 562.6 | 562.4 | 562.1 | 561.8 | 561.4 | 561.1 | 561.4 |
| 140°   | 579.2 | 580.3 | 581.3 | 582.4 | 582.9 | 582.6 | 582.0 | 581.5 | 580.9 | 580.3 | 580.9 |
| 142.5° | 598.4 | 599.3 | 600.2 | 601.1 | 601.6 | 601.3 | 600.7 | 600.2 | 599.6 | 599.0 | 599.6 |
| 145°   | 615.9 | 616.7 | 617.6 | 618.4 | 618.8 | 618.5 | 617.9 | 617.4 | 616.8 | 616.2 | 616.8 |
| 147.5° | 631.9 | 632.5 | 633.0 | 633.6 | 633.9 | 633.7 | 633.2 | 632.7 | 632.3 | 631.8 | 632.3 |
| 150°   | 646.0 | 646.7 | 647.4 | 648.1 | 648.4 | 648.1 | 647.5 | 647.0 | 646.4 | 645.8 | 646.4 |
| 152.5° | 659.0 | 659.7 | 660.4 | 661.1 | 661.4 | 661.0 | 660.2 | 659.4 | 658.6 | 657.8 | 658.6 |
| 155°   | 670.4 | 671.1 | 671.8 | 672.5 | 672.9 | 672.4 | 671.5 | 670.6 | 669.6 | 668.7 | 669.6 |
| 157.5° | 680.4 | 681.2 | 682.1 | 682.9 | 683.3 | 682.8 | 681.9 | 681.0 | 680.0 | 679.1 | 680.0 |
| 160°   | 689.2 | 689.9 | 690.6 | 691.3 | 691.6 | 691.2 | 690.4 | 689.5 | 688.7 | 687.9 | 688.7 |
| 162.5° | 697.1 | 697.9 | 698.7 | 699.5 | 699.9 | 699.4 | 698.3 | 697.3 | 696.2 | 695.2 | 696.2 |
| 165°   | 703.3 | 704.1 | 704.9 | 705.7 | 706.1 | 705.7 | 704.9 | 704.1 | 703.3 | 702.5 | 703.3 |
| 167.5° | 709.0 | 709.8 | 710.7 | 711.5 | 711.9 | 711.4 | 710.3 | 709.3 | 708.2 | 707.2 | 708.2 |
| 170°   | 713.2 | 714.0 | 714.8 | 715.6 | 716.0 | 715.5 | 714.4 | 713.4 | 712.3 | 711.3 | 712.3 |
| 172.5° | 716.3 | 717.1 | 717.9 | 718.7 | 719.1 | 718.6 | 717.6 | 716.5 | 715.5 | 714.5 | 715.5 |
| 175°   | 718.4 | 719.2 | 720.0 | 720.8 | 721.2 | 720.6 | 719.5 | 718.3 | 717.2 | 716.0 | 717.2 |
| 177.5° | 718.9 | 719.7 | 720.5 | 721.3 | 721.7 | 721.2 | 720.2 | 719.1 | 718.1 | 717.1 | 718.1 |
| 180°   | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 |

TEST NUMBER: P998537

CATALOG NUMBER: SA2XXDIP-B485D530UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 962.2  | 962.2  | 962.2  | 962.2  | 962.2  | 962.2  | 962.2  | 962.2  | 962.2  | 962.2  | 962.2  |
| 2.5°   | 1019.9 | 1014.8 | 1010.3 | 1011.1 | 1014.8 | 1011.8 | 1004.4 | 994.8  | 991.1  | 986.6  | 991.1  |
| 5°     | 1081.3 | 1076.9 | 1068.0 | 1068.7 | 1066.5 | 1063.6 | 1051.7 | 1036.9 | 1036.9 | 1025.1 | 1023.6 |
| 7.5°   | 1142.0 | 1135.3 | 1129.4 | 1127.9 | 1119.8 | 1113.9 | 1103.5 | 1082.8 | 1074.7 | 1060.6 | 1052.5 |
| 10°    | 1210.0 | 1204.8 | 1198.2 | 1190.0 | 1185.6 | 1175.3 | 1158.2 | 1127.9 | 1113.1 | 1093.9 | 1079.8 |
| 12.5°  | 1278.8 | 1278.1 | 1263.3 | 1247.0 | 1246.3 | 1230.0 | 1218.2 | 1177.5 | 1157.5 | 1131.6 | 1098.3 |
| 15°    | 1322.4 | 1318.7 | 1310.6 | 1302.5 | 1304.7 | 1286.9 | 1260.3 | 1212.2 | 1198.9 | 1167.9 | 1132.4 |
| 17.5°  | 1321.7 | 1321.7 | 1319.5 | 1318.0 | 1315.8 | 1310.6 | 1295.8 | 1264.0 | 1242.6 | 1203.4 | 1170.1 |
| 20°    | 1279.5 | 1289.2 | 1291.4 | 1290.6 | 1298.0 | 1301.7 | 1301.0 | 1281.0 | 1264.0 | 1229.2 | 1195.2 |
| 22.5°  | 1195.2 | 1217.4 | 1227.0 | 1232.9 | 1248.5 | 1256.6 | 1275.8 | 1268.4 | 1264.0 | 1238.1 | 1209.3 |
| 25°    | 1116.8 | 1124.2 | 1153.1 | 1154.5 | 1176.0 | 1196.0 | 1215.2 | 1227.8 | 1244.0 | 1234.4 | 1210.0 |
| 27.5°  | 1015.5 | 1032.5 | 1053.2 | 1068.7 | 1073.2 | 1113.9 | 1145.7 | 1169.3 | 1206.3 | 1209.3 | 1201.1 |
| 30°    | 900.9  | 909.0  | 943.0  | 963.7  | 987.4  | 1017.0 | 1062.8 | 1103.5 | 1136.8 | 1167.1 | 1177.5 |
| 32.5°  | 761.1  | 794.3  | 814.3  | 839.5  | 860.2  | 912.7  | 968.9  | 1021.4 | 1059.9 | 1110.9 | 1133.1 |
| 35°    | 633.1  | 659.0  | 693.0  | 703.4  | 741.1  | 785.5  | 858.7  | 926.0  | 984.4  | 1036.2 | 1081.3 |
| 37.5°  | 527.3  | 548.1  | 584.3  | 600.6  | 622.8  | 679.7  | 741.1  | 824.7  | 894.9  | 958.5  | 1014.8 |
| 40°    | 454.9  | 470.4  | 497.8  | 502.9  | 521.4  | 573.2  | 622.8  | 701.2  | 794.3  | 880.1  | 941.5  |
| 42.5°  | 405.3  | 412.7  | 431.2  | 437.9  | 449.7  | 484.4  | 528.8  | 602.8  | 689.3  | 778.1  | 864.6  |
| 45°    | 369.8  | 375.0  | 386.1  | 392.0  | 406.8  | 422.3  | 458.6  | 517.7  | 585.8  | 675.3  | 768.5  |
| 47.5°  | 338.0  | 344.7  | 349.1  | 352.8  | 360.9  | 377.9  | 401.6  | 445.2  | 510.3  | 592.4  | 682.7  |
| 50°    | 311.4  | 313.6  | 321.7  | 322.5  | 327.7  | 338.7  | 360.9  | 387.6  | 439.3  | 505.9  | 593.2  |
| 52.5°  | 284.8  | 287.0  | 292.1  | 297.3  | 299.5  | 308.4  | 323.2  | 345.4  | 383.9  | 436.4  | 514.0  |
| 55°    | 258.1  | 261.1  | 266.3  | 270.0  | 272.2  | 279.6  | 288.5  | 309.9  | 340.2  | 377.2  | 440.8  |
| 57.5°  | 231.5  | 238.2  | 239.6  | 241.9  | 245.6  | 253.7  | 261.8  | 274.4  | 298.1  | 332.1  | 378.7  |
| 60°    | 206.4  | 208.6  | 213.7  | 216.0  | 219.7  | 224.1  | 234.5  | 244.1  | 261.1  | 287.7  | 329.9  |
| 62.5°  | 180.5  | 185.6  | 187.9  | 190.1  | 193.0  | 198.2  | 204.9  | 215.2  | 230.0  | 251.5  | 284.8  |
| 65°    | 158.3  | 159.0  | 163.5  | 166.4  | 169.4  | 173.1  | 179.7  | 189.3  | 198.2  | 218.2  | 242.6  |
| 67.5°  | 136.8  | 138.3  | 139.8  | 142.7  | 146.4  | 150.1  | 156.1  | 161.2  | 172.3  | 185.6  | 204.9  |
| 70°    | 116.1  | 116.1  | 119.8  | 122.0  | 121.3  | 125.7  | 130.2  | 136.1  | 144.2  | 156.8  | 172.3  |
| 72.5°  | 97.6   | 96.9   | 99.8   | 100.6  | 102.1  | 105.0  | 108.0  | 113.9  | 118.3  | 128.0  | 139.8  |
| 75°    | 77.7   | 79.1   | 80.6   | 80.6   | 82.8   | 85.1   | 88.0   | 91.0   | 96.2   | 102.1  | 110.9  |
| 77.5°  | 61.4   | 61.4   | 62.9   | 63.6   | 65.8   | 65.1   | 68.0   | 71.0   | 74.7   | 79.9   | 86.5   |
| 80°    | 45.1   | 46.6   | 46.6   | 46.6   | 47.3   | 48.1   | 51.0   | 53.3   | 55.5   | 59.2   | 62.1   |
| 82.5°  | 31.8   | 31.8   | 33.3   | 33.3   | 33.3   | 34.8   | 34.8   | 35.5   | 37.0   | 39.2   | 41.4   |
| 85°    | 20.0   | 20.0   | 20.0   | 20.7   | 20.0   | 20.7   | 22.2   | 21.4   | 22.2   | 23.7   | 23.7   |
| 87.5°  | 9.6    | 9.6    | 9.6    | 9.6    | 9.6    | 10.4   | 9.6    | 10.4   | 11.1   | 11.1   | 11.1   |
| 90°    | 13.6   | 13.3   | 13.1   | 13.0   | 12.7   | 12.1   | 11.6   | 11.0   | 10.4   | 9.5    | 8.5    |
| 92.5°  | 13.8   | 13.7   | 13.6   | 13.5   | 13.4   | 13.2   | 12.9   | 12.7   | 12.5   | 12.1   | 11.8   |
| 95°    | 22.6   | 22.7   | 22.8   | 22.9   | 22.6   | 22.0   | 21.5   | 20.9   | 20.3   | 19.5   | 18.7   |
| 97.5°  | 28.4   | 28.3   | 28.2   | 28.1   | 27.9   | 27.6   | 27.2   | 26.9   | 26.5   | 24.7   | 22.8   |
| 100°   | 34.4   | 34.1   | 33.9   | 33.8   | 33.3   | 32.4   | 31.5   | 30.5   | 29.6   | 27.6   | 25.7   |
| 102.5° | 37.3   | 36.9   | 36.6   | 36.4   | 35.8   | 34.5   | 33.2   | 32.0   | 30.7   | 51.7   | 72.7   |
| 105°   | 38.6   | 38.1   | 37.6   | 37.4   | 36.8   | 35.5   | 34.2   | 33.0   | 31.7   | 63.3   | 94.8   |
| 107.5° | 39.7   | 39.2   | 38.7   | 38.5   | 37.9   | 36.6   | 35.3   | 34.1   | 32.8   | 71.7   | 110.7  |
| 110°   | 40.2   | 39.7   | 39.2   | 39.0   | 44.8   | 56.3   | 67.9   | 79.4   | 91.0   | 124.4  | 157.8  |

TEST NUMBER: P998537

CATALOG NUMBER: SA2XXDIP-B485D530UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 40.9  | 40.5  | 40.2  | 40.0   | 64.9  | 114.7 | 164.6 | 214.4 | 264.2 | 266.2 | 268.1 |
| 115°   | 59.3  | 67.6  | 75.9  | 80.1   | 106.8 | 160.3 | 213.8 | 267.3 | 320.8 | 317.9 | 315.0 |
| 117.5° | 198.9 | 229.2 | 259.5 | 274.6  | 282.9 | 299.4 | 315.9 | 332.4 | 348.9 | 346.9 | 345.0 |
| 120°   | 348.4 | 364.0 | 379.6 | 387.4  | 386.7 | 385.3 | 383.9 | 382.5 | 381.1 | 379.0 | 377.0 |
| 122.5° | 415.2 | 415.1 | 415.0 | 414.9  | 414.6 | 413.9 | 413.2 | 412.5 | 411.8 | 409.5 | 407.2 |
| 125°   | 443.9 | 443.5 | 443.2 | 443.0  | 442.6 | 441.8 | 441.0 | 440.2 | 439.4 | 437.2 | 435.0 |
| 127.5° | 470.4 | 470.3 | 470.2 | 470.1  | 469.5 | 468.4 | 467.2 | 466.1 | 464.9 | 463.2 | 461.4 |
| 130°   | 494.7 | 494.8 | 494.9 | 495.0  | 494.4 | 493.1 | 491.8 | 490.6 | 489.3 | 488.0 | 486.8 |
| 132.5° | 518.1 | 518.2 | 518.3 | 518.4  | 517.9 | 516.8 | 515.8 | 514.7 | 513.7 | 512.4 | 511.2 |
| 135°   | 540.7 | 541.0 | 541.2 | 541.3  | 540.7 | 539.6 | 538.4 | 537.3 | 536.1 | 535.1 | 534.0 |
| 137.5° | 561.8 | 562.1 | 562.4 | 562.6  | 562.0 | 560.9 | 559.7 | 558.6 | 557.4 | 556.2 | 555.1 |
| 140°   | 581.5 | 582.0 | 582.6 | 582.9  | 582.4 | 581.3 | 580.3 | 579.2 | 578.2 | 576.9 | 575.7 |
| 142.5° | 600.2 | 600.7 | 601.3 | 601.6  | 601.1 | 600.2 | 599.3 | 598.4 | 597.5 | 596.0 | 594.5 |
| 145°   | 617.4 | 617.9 | 618.5 | 618.8  | 618.4 | 617.6 | 616.7 | 615.9 | 615.1 | 613.1 | 611.2 |
| 147.5° | 632.7 | 633.2 | 633.7 | 633.9  | 633.6 | 633.0 | 632.5 | 631.9 | 631.3 | 629.3 | 627.3 |
| 150°   | 647.0 | 647.5 | 648.1 | 648.4  | 648.1 | 647.4 | 646.7 | 646.0 | 645.3 | 643.5 | 641.6 |
| 152.5° | 659.4 | 660.2 | 661.0 | 661.4  | 661.1 | 660.4 | 659.7 | 659.0 | 658.3 | 656.6 | 654.8 |
| 155°   | 670.6 | 671.5 | 672.4 | 672.9  | 672.5 | 671.8 | 671.1 | 670.4 | 669.7 | 668.3 | 666.9 |
| 157.5° | 681.0 | 681.9 | 682.8 | 683.3  | 682.9 | 682.1 | 681.2 | 680.4 | 679.6 | 678.6 | 677.5 |
| 160°   | 689.5 | 690.4 | 691.2 | 691.6  | 691.3 | 690.6 | 689.9 | 689.2 | 688.5 | 687.8 | 687.1 |
| 162.5° | 697.3 | 698.3 | 699.4 | 699.9  | 699.5 | 698.7 | 697.9 | 697.1 | 696.3 | 695.7 | 695.1 |
| 165°   | 704.1 | 704.9 | 705.7 | 706.1  | 705.7 | 704.9 | 704.1 | 703.3 | 702.5 | 702.1 | 701.8 |
| 167.5° | 709.3 | 710.3 | 711.4 | 711.9  | 711.5 | 710.7 | 709.8 | 709.0 | 708.2 | 707.9 | 707.5 |
| 170°   | 713.4 | 714.4 | 715.5 | 716.0  | 715.6 | 714.8 | 714.0 | 713.2 | 712.4 | 712.2 | 711.9 |
| 172.5° | 716.5 | 717.6 | 718.6 | 719.1  | 718.7 | 717.9 | 717.1 | 716.3 | 715.5 | 715.3 | 715.1 |
| 175°   | 718.3 | 719.5 | 720.6 | 721.2  | 720.8 | 720.0 | 719.2 | 718.4 | 717.6 | 717.4 | 717.1 |
| 177.5° | 719.1 | 720.2 | 721.2 | 721.7  | 721.3 | 720.5 | 719.7 | 718.9 | 718.1 | 718.0 | 717.9 |
| 180°   | 718.6 | 718.6 | 718.6 | 718.6  | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 |

TEST NUMBER: P998537

CATALOG NUMBER: SA2XXDIP-B485D530UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 0°     | 962.2  | 962.2  | 962.2  | 962.2  | 962.2  | 962.2 | 962.2 | 962.2 | 962.2 | 962.2 | 962.2 |
| 2.5°   | 987.4  | 983.7  | 981.5  | 983.0  | 978.5  | 967.4 | 967.4 | 971.1 | 966.7 | 962.2 | 955.6 |
| 5°     | 1014.8 | 1007.4 | 1002.9 | 1002.2 | 991.8  | 974.1 | 970.4 | 966.7 | 957.1 | 946.7 | 935.6 |
| 7.5°   | 1041.4 | 1028.1 | 1020.7 | 1015.5 | 1000.7 | 977.8 | 968.2 | 960.0 | 944.5 | 929.0 | 914.9 |
| 10°    | 1063.6 | 1044.3 | 1035.5 | 1027.3 | 1008.1 | 979.3 | 963.7 | 948.9 | 929.0 | 909.0 | 891.2 |
| 12.5°  | 1081.3 | 1059.1 | 1048.0 | 1036.2 | 1012.5 | 974.8 | 955.6 | 931.9 | 911.9 | 885.3 | 867.6 |
| 15°    | 1110.9 | 1065.0 | 1054.7 | 1043.6 | 1019.2 | 967.4 | 943.8 | 917.1 | 889.8 | 854.3 | 835.0 |
| 17.5°  | 1134.6 | 1073.2 | 1072.4 | 1048.8 | 1017.0 | 964.5 | 928.2 | 893.5 | 863.9 | 828.4 | 798.0 |
| 20°    | 1148.6 | 1085.8 | 1073.9 | 1049.5 | 1009.6 | 944.5 | 906.8 | 868.3 | 836.5 | 793.6 | 763.3 |
| 22.5°  | 1160.5 | 1103.5 | 1072.4 | 1042.9 | 994.0  | 937.8 | 882.4 | 846.1 | 802.5 | 755.9 | 727.0 |
| 25°    | 1164.9 | 1107.2 | 1074.7 | 1040.6 | 983.0  | 918.6 | 855.7 | 816.5 | 767.7 | 725.6 | 686.4 |
| 27.5°  | 1165.6 | 1106.5 | 1066.5 | 1031.0 | 967.4  | 893.5 | 829.1 | 787.7 | 733.7 | 684.9 | 645.7 |
| 30°    | 1158.2 | 1098.3 | 1062.1 | 1023.6 | 952.6  | 870.5 | 796.6 | 750.7 | 693.0 | 644.2 | 603.5 |
| 32.5°  | 1136.1 | 1082.1 | 1052.5 | 1010.3 | 933.4  | 838.7 | 765.5 | 714.5 | 653.8 | 605.7 | 566.5 |
| 35°    | 1099.1 | 1062.1 | 1029.5 | 990.3  | 908.3  | 809.1 | 734.4 | 674.5 | 613.1 | 567.3 | 530.3 |
| 37.5°  | 1053.2 | 1033.2 | 1002.9 | 964.5  | 879.4  | 782.5 | 699.7 | 633.1 | 571.7 | 527.3 | 491.1 |
| 40°    | 991.1  | 996.3  | 966.7  | 931.9  | 845.4  | 746.3 | 654.6 | 591.0 | 533.3 | 491.8 | 456.3 |
| 42.5°  | 923.8  | 945.2  | 928.2  | 894.9  | 807.7  | 706.3 | 621.3 | 551.0 | 494.8 | 451.9 | 422.3 |
| 45°    | 851.3  | 888.3  | 877.9  | 853.5  | 768.5  | 664.2 | 573.9 | 505.9 | 456.3 | 414.9 | 389.0 |
| 47.5°  | 772.2  | 824.7  | 824.7  | 806.9  | 724.8  | 622.0 | 533.3 | 463.7 | 414.9 | 385.3 | 360.2 |
| 50°    | 691.5  | 750.7  | 760.3  | 748.5  | 676.0  | 573.9 | 483.7 | 420.8 | 378.7 | 349.8 | 331.3 |
| 52.5°  | 607.2  | 676.0  | 693.8  | 687.8  | 624.2  | 528.1 | 443.0 | 381.6 | 343.2 | 318.0 | 301.8 |
| 55°    | 526.6  | 606.5  | 625.7  | 627.9  | 568.8  | 477.8 | 397.9 | 343.9 | 306.9 | 289.9 | 275.9 |
| 57.5°  | 450.4  | 527.3  | 548.8  | 552.5  | 512.6  | 431.9 | 355.8 | 308.4 | 275.1 | 261.1 | 250.0 |
| 60°    | 385.3  | 449.7  | 477.8  | 485.9  | 451.2  | 378.7 | 316.6 | 270.7 | 245.6 | 232.2 | 221.9 |
| 62.5°  | 332.1  | 383.9  | 413.4  | 415.7  | 400.1  | 332.1 | 275.9 | 237.4 | 216.0 | 204.1 | 199.0 |
| 65°    | 280.3  | 326.9  | 344.7  | 353.5  | 341.0  | 287.7 | 238.2 | 206.4 | 189.3 | 179.0 | 173.8 |
| 67.5°  | 238.9  | 268.5  | 283.3  | 295.1  | 282.5  | 242.6 | 202.7 | 176.8 | 164.2 | 153.8 | 150.9 |
| 70°    | 196.0  | 220.4  | 231.5  | 243.3  | 232.2  | 201.9 | 173.1 | 149.4 | 138.3 | 130.2 | 126.5 |
| 72.5°  | 156.8  | 176.0  | 186.4  | 193.8  | 187.1  | 162.0 | 138.3 | 122.0 | 113.9 | 108.0 | 105.8 |
| 75°    | 124.3  | 137.6  | 143.5  | 148.7  | 145.7  | 126.5 | 111.7 | 98.4  | 91.0  | 85.8  | 84.3  |
| 77.5°  | 94.7   | 104.3  | 110.9  | 112.4  | 108.7  | 96.2  | 83.6  | 75.4  | 69.5  | 66.6  | 65.1  |
| 80°    | 67.3   | 73.2   | 76.9   | 79.1   | 75.4   | 70.3  | 61.4  | 55.5  | 50.3  | 46.6  | 45.9  |
| 82.5°  | 45.1   | 48.1   | 51.0   | 50.3   | 48.8   | 44.4  | 39.2  | 36.2  | 34.0  | 31.1  | 31.1  |
| 85°    | 25.9   | 26.6   | 28.1   | 28.8   | 28.1   | 25.1  | 22.2  | 20.7  | 19.2  | 17.0  | 17.0  |
| 87.5°  | 11.1   | 11.8   | 11.8   | 12.6   | 11.1   | 11.1  | 9.6   | 8.1   | 8.1   | 7.4   | 6.7   |
| 90°    | 7.6    | 6.7    | 6.2    | 5.6    | 4.3    | 3.0   | 1.8   | 0.5   | 1.8   | 3.0   | 4.3   |
| 92.5°  | 11.4   | 11.1   | 10.9   | 11.1   | 11.6   | 12.1  | 12.5  | 13.0  | 12.5  | 12.1  | 11.6  |
| 95°    | 17.8   | 17.0   | 16.6   | 18.5   | 22.3   | 26.2  | 30.0  | 33.8  | 30.0  | 26.2  | 22.3  |
| 97.5°  | 21.0   | 19.1   | 18.2   | 22.9   | 32.4   | 41.9  | 51.3  | 60.8  | 51.3  | 41.9  | 32.4  |
| 100°   | 23.7   | 21.8   | 20.8   | 28.7   | 44.5   | 60.4  | 76.2  | 92.0  | 76.2  | 60.4  | 44.5  |
| 102.5° | 93.8   | 114.8  | 125.3  | 125.4  | 125.7  | 125.9 | 126.2 | 126.4 | 126.2 | 125.9 | 125.7 |
| 105°   | 126.4  | 157.9  | 173.7  | 172.0  | 168.5  | 165.0 | 161.6 | 158.1 | 161.6 | 165.0 | 168.5 |
| 107.5° | 149.6  | 188.5  | 208.0  | 206.6  | 203.7  | 200.8 | 197.9 | 195.0 | 197.9 | 200.8 | 203.7 |
| 110°   | 191.2  | 224.6  | 241.3  | 240.1  | 237.7  | 235.2 | 232.8 | 230.4 | 232.8 | 235.2 | 237.7 |

TEST NUMBER: P998537

CATALOG NUMBER: SA2XXDIP-B485D530UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 270.1 | 272.0 | 273.0  | 272.0 | 269.9 | 267.8 | 265.7 | 263.6 | 265.7 | 267.8 | 269.9 |
| 115°   | 312.1 | 309.2 | 307.8  | 306.8 | 304.9 | 302.9 | 301.0 | 299.0 | 301.0 | 302.9 | 304.9 |
| 117.5° | 343.0 | 341.1 | 340.1  | 338.9 | 336.6 | 334.3 | 332.0 | 329.7 | 332.0 | 334.3 | 336.6 |
| 120°   | 374.9 | 372.8 | 371.8  | 370.9 | 369.2 | 367.5 | 365.7 | 364.0 | 365.7 | 367.5 | 369.2 |
| 122.5° | 404.9 | 402.6 | 401.4  | 400.5 | 398.6 | 396.8 | 394.9 | 393.1 | 394.9 | 396.8 | 398.6 |
| 125°   | 432.8 | 430.6 | 429.5  | 428.7 | 427.2 | 425.7 | 424.2 | 422.7 | 424.2 | 425.7 | 427.2 |
| 127.5° | 459.7 | 458.0 | 457.1  | 456.3 | 454.7 | 453.0 | 451.4 | 449.8 | 451.4 | 453.0 | 454.7 |
| 130°   | 485.5 | 484.2 | 483.6  | 482.7 | 480.8 | 479.0 | 477.1 | 475.3 | 477.1 | 479.0 | 480.8 |
| 132.5° | 509.9 | 508.6 | 508.0  | 507.3 | 505.8 | 504.3 | 502.8 | 501.3 | 502.8 | 504.3 | 505.8 |
| 135°   | 533.0 | 531.9 | 531.4  | 530.5 | 528.6 | 526.8 | 524.9 | 523.1 | 524.9 | 526.8 | 528.6 |
| 137.5° | 553.9 | 552.8 | 552.2  | 551.5 | 550.1 | 548.8 | 547.4 | 546.0 | 547.4 | 548.8 | 550.1 |
| 140°   | 574.4 | 573.1 | 572.5  | 572.0 | 571.1 | 570.2 | 569.2 | 568.3 | 569.2 | 570.2 | 571.1 |
| 142.5° | 593.0 | 591.5 | 590.7  | 590.3 | 589.5 | 588.7 | 587.9 | 587.1 | 587.9 | 588.7 | 589.5 |
| 145°   | 609.2 | 607.3 | 606.3  | 606.4 | 606.5 | 606.6 | 606.7 | 606.8 | 606.7 | 606.6 | 606.5 |
| 147.5° | 625.4 | 623.4 | 622.4  | 622.6 | 622.9 | 623.3 | 623.6 | 624.0 | 623.6 | 623.3 | 622.9 |
| 150°   | 639.8 | 637.9 | 637.0  | 637.4 | 638.2 | 639.0 | 639.8 | 640.6 | 639.8 | 639.0 | 638.2 |
| 152.5° | 653.1 | 651.4 | 650.5  | 651.0 | 651.9 | 652.8 | 653.8 | 654.7 | 653.8 | 652.8 | 651.9 |
| 155°   | 665.6 | 664.2 | 663.5  | 664.0 | 665.1 | 666.1 | 667.2 | 668.2 | 667.2 | 666.1 | 665.1 |
| 157.5° | 676.5 | 675.4 | 674.9  | 675.4 | 676.3 | 677.2 | 678.2 | 679.1 | 678.2 | 677.2 | 676.3 |
| 160°   | 686.4 | 685.7 | 685.3  | 685.7 | 686.4 | 687.1 | 687.8 | 688.5 | 687.8 | 687.1 | 686.4 |
| 162.5° | 694.6 | 694.0 | 693.7  | 694.0 | 694.7 | 695.4 | 696.1 | 696.8 | 696.1 | 695.4 | 694.7 |
| 165°   | 701.4 | 701.1 | 700.9  | 701.3 | 702.0 | 702.7 | 703.4 | 704.1 | 703.4 | 702.7 | 702.0 |
| 167.5° | 707.2 | 706.9 | 706.7  | 707.0 | 707.7 | 708.4 | 709.1 | 709.8 | 709.1 | 708.4 | 707.7 |
| 170°   | 711.7 | 711.4 | 711.3  | 711.7 | 712.4 | 713.1 | 713.8 | 714.5 | 713.8 | 713.1 | 712.4 |
| 172.5° | 714.8 | 714.6 | 714.5  | 714.8 | 715.5 | 716.2 | 716.9 | 717.6 | 716.9 | 716.2 | 715.5 |
| 175°   | 716.9 | 716.6 | 716.5  | 716.9 | 717.7 | 718.6 | 719.4 | 720.2 | 719.4 | 718.6 | 717.7 |
| 177.5° | 717.8 | 717.7 | 717.6  | 718.0 | 718.8 | 719.6 | 720.4 | 721.2 | 720.4 | 719.6 | 718.8 |
| 180°   | 718.6 | 718.6 | 718.6  | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 |

TEST NUMBER: P998537

CATALOG NUMBER: SA2XXDIP-B485D530UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 962.2 | 962.2  | 962.2 | 962.2 | 962.2 | 962.2 | 962.2 | 962.2 | 962.2 | 962.2 | 962.2 |
| 2.5°   | 951.9 | 955.6  | 954.8 | 947.5 | 939.3 | 932.7 | 920.1 | 921.6 | 917.1 | 917.9 | 922.3 |
| 5°     | 928.2 | 928.2  | 925.3 | 914.9 | 901.6 | 894.2 | 880.1 | 876.4 | 867.6 | 866.8 | 866.1 |
| 7.5°   | 903.1 | 899.4  | 895.7 | 880.9 | 864.6 | 852.8 | 833.5 | 829.1 | 820.2 | 814.3 | 811.4 |
| 10°    | 873.5 | 868.3  | 860.9 | 843.9 | 823.9 | 809.1 | 789.2 | 783.3 | 766.2 | 758.8 | 754.4 |
| 12.5°  | 840.9 | 838.0  | 826.2 | 812.1 | 779.6 | 763.3 | 734.4 | 740.4 | 723.3 | 708.6 | 706.3 |
| 15°    | 808.4 | 797.3  | 790.7 | 767.7 | 728.5 | 721.1 | 698.2 | 686.4 | 670.8 | 659.0 | 659.0 |
| 17.5°  | 776.6 | 759.6  | 744.8 | 720.4 | 691.5 | 670.8 | 653.8 | 647.9 | 628.7 | 616.8 | 614.6 |
| 20°    | 734.4 | 715.2  | 711.5 | 676.8 | 656.8 | 633.9 | 617.6 | 602.8 | 588.7 | 583.6 | 579.9 |
| 22.5°  | 694.5 | 672.3  | 666.4 | 636.8 | 616.8 | 593.9 | 577.6 | 567.3 | 556.9 | 553.2 | 546.6 |
| 25°    | 651.6 | 638.3  | 629.4 | 597.6 | 575.4 | 554.0 | 542.9 | 535.5 | 525.9 | 525.1 | 520.7 |
| 27.5°  | 610.2 | 597.6  | 588.7 | 558.4 | 542.1 | 522.2 | 513.3 | 505.2 | 500.0 | 497.8 | 495.5 |
| 30°    | 574.7 | 560.6  | 550.3 | 528.1 | 508.1 | 491.8 | 484.4 | 479.3 | 476.3 | 472.6 | 471.9 |
| 32.5°  | 535.5 | 527.3  | 513.3 | 496.3 | 480.8 | 465.2 | 460.8 | 457.1 | 452.6 | 451.2 | 450.4 |
| 35°    | 502.2 | 491.1  | 482.2 | 463.0 | 456.3 | 443.0 | 437.9 | 434.9 | 429.0 | 427.5 | 426.0 |
| 37.5°  | 469.7 | 459.3  | 449.7 | 437.9 | 425.3 | 417.9 | 414.9 | 410.5 | 407.5 | 408.3 | 406.8 |
| 40°    | 437.1 | 429.0  | 421.6 | 409.0 | 401.6 | 397.9 | 392.0 | 387.6 | 386.1 | 386.8 | 386.1 |
| 42.5°  | 405.3 | 397.9  | 393.5 | 383.9 | 376.5 | 372.8 | 369.1 | 364.6 | 366.9 | 366.9 | 369.1 |
| 45°    | 376.5 | 369.8  | 366.9 | 359.5 | 355.0 | 349.1 | 345.4 | 344.7 | 347.6 | 346.9 | 346.9 |
| 47.5°  | 346.9 | 344.7  | 341.0 | 334.3 | 328.4 | 324.7 | 324.0 | 324.0 | 326.9 | 328.4 | 327.7 |
| 50°    | 324.0 | 319.5  | 315.1 | 309.9 | 305.5 | 304.0 | 301.8 | 303.2 | 306.2 | 306.2 | 307.7 |
| 52.5°  | 295.1 | 292.1  | 290.7 | 286.2 | 283.3 | 283.3 | 283.3 | 284.0 | 286.2 | 288.5 | 287.7 |
| 55°    | 270.0 | 267.7  | 266.3 | 264.0 | 260.3 | 261.1 | 260.3 | 261.8 | 264.0 | 266.3 | 267.7 |
| 57.5°  | 243.3 | 242.6  | 241.1 | 237.4 | 237.4 | 236.7 | 238.9 | 239.6 | 243.3 | 244.8 | 247.0 |
| 60°    | 219.7 | 217.4  | 217.4 | 214.5 | 214.5 | 214.5 | 216.7 | 218.9 | 221.9 | 222.6 | 224.1 |
| 62.5°  | 194.5 | 194.5  | 193.8 | 191.6 | 191.6 | 193.8 | 194.5 | 197.5 | 199.0 | 199.0 | 201.2 |
| 65°    | 170.9 | 170.1  | 169.4 | 170.1 | 170.9 | 170.9 | 173.1 | 174.5 | 176.0 | 176.8 | 177.5 |
| 67.5°  | 147.2 | 146.4  | 147.9 | 147.2 | 148.7 | 151.6 | 150.9 | 153.1 | 155.3 | 155.3 | 156.1 |
| 70°    | 125.0 | 126.5  | 125.7 | 127.2 | 126.5 | 128.0 | 130.2 | 130.9 | 130.9 | 131.7 | 133.9 |
| 72.5°  | 104.3 | 104.3  | 104.3 | 103.5 | 104.3 | 105.8 | 107.2 | 108.0 | 109.5 | 110.2 | 112.4 |
| 75°    | 84.3  | 84.3   | 82.8  | 84.3  | 84.3  | 85.8  | 87.3  | 87.3  | 87.3  | 88.8  | 91.0  |
| 77.5°  | 63.6  | 64.3   | 63.6  | 65.1  | 65.1  | 65.8  | 67.3  | 66.6  | 68.0  | 68.8  | 69.5  |
| 80°    | 46.6  | 45.9   | 45.9  | 45.9  | 46.6  | 46.6  | 48.1  | 48.8  | 48.8  | 51.0  | 49.6  |
| 82.5°  | 29.6  | 30.3   | 29.6  | 30.3  | 30.3  | 31.1  | 30.3  | 31.1  | 31.8  | 33.3  | 32.5  |
| 85°    | 17.0  | 16.3   | 16.3  | 17.0  | 16.3  | 16.3  | 17.0  | 16.3  | 17.0  | 16.3  | 17.0  |
| 87.5°  | 6.7   | 5.9    | 5.9   | 5.9   | 5.9   | 5.2   | 5.2   | 4.4   | 4.4   | 4.4   | 3.7   |
| 90°    | 5.6   | 6.2    | 6.7   | 7.6   | 8.5   | 9.5   | 10.4  | 11.0  | 11.6  | 12.1  | 12.7  |
| 92.5°  | 11.1  | 10.9   | 11.1  | 11.4  | 11.8  | 12.1  | 12.5  | 12.7  | 12.9  | 13.2  | 13.4  |
| 95°    | 18.5  | 16.6   | 17.0  | 17.8  | 18.7  | 19.5  | 20.3  | 20.9  | 21.5  | 22.0  | 22.6  |
| 97.5°  | 22.9  | 18.2   | 19.1  | 21.0  | 22.8  | 24.7  | 26.5  | 26.9  | 27.2  | 27.6  | 27.9  |
| 100°   | 28.7  | 20.8   | 21.8  | 23.7  | 25.7  | 27.6  | 29.6  | 30.5  | 31.5  | 32.4  | 33.3  |
| 102.5° | 125.4 | 125.3  | 114.8 | 93.8  | 72.7  | 51.7  | 30.7  | 32.0  | 33.2  | 34.5  | 35.8  |
| 105°   | 172.0 | 173.7  | 157.9 | 126.4 | 94.8  | 63.3  | 31.7  | 33.0  | 34.2  | 35.5  | 36.8  |
| 107.5° | 206.6 | 208.0  | 188.5 | 149.6 | 110.7 | 71.7  | 32.8  | 34.1  | 35.3  | 36.6  | 37.9  |
| 110°   | 240.1 | 241.3  | 224.6 | 191.2 | 157.8 | 124.4 | 91.0  | 79.4  | 67.9  | 56.3  | 44.8  |

TEST NUMBER: P998537

CATALOG NUMBER: SA2XXDIP-B485D530UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 272.0 | 273.0  | 272.0 | 270.1 | 268.1 | 266.2 | 264.2 | 214.4 | 164.6 | 114.7 | 64.9  |
| 115°   | 306.8 | 307.8  | 309.2 | 312.1 | 315.0 | 317.9 | 320.8 | 267.3 | 213.8 | 160.3 | 106.8 |
| 117.5° | 338.9 | 340.1  | 341.1 | 343.0 | 345.0 | 346.9 | 348.9 | 332.4 | 315.9 | 299.4 | 282.9 |
| 120°   | 370.9 | 371.8  | 372.8 | 374.9 | 377.0 | 379.0 | 381.1 | 382.5 | 383.9 | 385.3 | 386.7 |
| 122.5° | 400.5 | 401.4  | 402.6 | 404.9 | 407.2 | 409.5 | 411.8 | 412.5 | 413.2 | 413.9 | 414.6 |
| 125°   | 428.7 | 429.5  | 430.6 | 432.8 | 435.0 | 437.2 | 439.4 | 440.2 | 441.0 | 441.8 | 442.6 |
| 127.5° | 456.3 | 457.1  | 458.0 | 459.7 | 461.4 | 463.2 | 464.9 | 466.1 | 467.2 | 468.4 | 469.5 |
| 130°   | 482.7 | 483.6  | 484.2 | 485.5 | 486.8 | 488.0 | 489.3 | 490.6 | 491.8 | 493.1 | 494.4 |
| 132.5° | 507.3 | 508.0  | 508.6 | 509.9 | 511.2 | 512.4 | 513.7 | 514.7 | 515.8 | 516.8 | 517.9 |
| 135°   | 530.5 | 531.4  | 531.9 | 533.0 | 534.0 | 535.1 | 536.1 | 537.3 | 538.4 | 539.6 | 540.7 |
| 137.5° | 551.5 | 552.2  | 552.8 | 553.9 | 555.1 | 556.2 | 557.4 | 558.6 | 559.7 | 560.9 | 562.0 |
| 140°   | 572.0 | 572.5  | 573.1 | 574.4 | 575.7 | 576.9 | 578.2 | 579.2 | 580.3 | 581.3 | 582.4 |
| 142.5° | 590.3 | 590.7  | 591.5 | 593.0 | 594.5 | 596.0 | 597.5 | 598.4 | 599.3 | 600.2 | 601.1 |
| 145°   | 606.4 | 606.3  | 607.3 | 609.2 | 611.2 | 613.1 | 615.1 | 615.9 | 616.7 | 617.6 | 618.4 |
| 147.5° | 622.6 | 622.4  | 623.4 | 625.4 | 627.3 | 629.3 | 631.3 | 631.9 | 632.5 | 633.0 | 633.6 |
| 150°   | 637.4 | 637.0  | 637.9 | 639.8 | 641.6 | 643.5 | 645.3 | 646.0 | 646.7 | 647.4 | 648.1 |
| 152.5° | 651.0 | 650.5  | 651.4 | 653.1 | 654.8 | 656.6 | 658.3 | 659.0 | 659.7 | 660.4 | 661.1 |
| 155°   | 664.0 | 663.5  | 664.2 | 665.6 | 666.9 | 668.3 | 669.7 | 670.4 | 671.1 | 671.8 | 672.5 |
| 157.5° | 675.4 | 674.9  | 675.4 | 676.5 | 677.5 | 678.6 | 679.6 | 680.4 | 681.2 | 682.1 | 682.9 |
| 160°   | 685.7 | 685.3  | 685.7 | 686.4 | 687.1 | 687.8 | 688.5 | 689.2 | 689.9 | 690.6 | 691.3 |
| 162.5° | 694.0 | 693.7  | 694.0 | 694.6 | 695.1 | 695.7 | 696.3 | 697.1 | 697.9 | 698.7 | 699.5 |
| 165°   | 701.3 | 700.9  | 701.1 | 701.4 | 701.8 | 702.1 | 702.5 | 703.3 | 704.1 | 704.9 | 705.7 |
| 167.5° | 707.0 | 706.7  | 706.9 | 707.2 | 707.5 | 707.9 | 708.2 | 709.0 | 709.8 | 710.7 | 711.5 |
| 170°   | 711.7 | 711.3  | 711.4 | 711.7 | 711.9 | 712.2 | 712.4 | 713.2 | 714.0 | 714.8 | 715.6 |
| 172.5° | 714.8 | 714.5  | 714.6 | 714.8 | 715.1 | 715.3 | 715.5 | 716.3 | 717.1 | 717.9 | 718.7 |
| 175°   | 716.9 | 716.5  | 716.6 | 716.9 | 717.1 | 717.4 | 717.6 | 718.4 | 719.2 | 720.0 | 720.8 |
| 177.5° | 718.0 | 717.6  | 717.7 | 717.8 | 717.9 | 718.0 | 718.1 | 718.9 | 719.7 | 720.5 | 721.3 |
| 180°   | 718.6 | 718.6  | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 |

TEST NUMBER: P998537

CATALOG NUMBER: SA2XXDIP-B485D530UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0°     | 962.2  | 962.2 | 962.2 | 962.2 | 962.2 | 962.2 | 962.2 | 962.2 | 962.2 | 962.2 | 962.2  |
| 2.5°   | 917.1  | 919.3 | 914.2 | 912.7 | 914.2 | 909.0 | 910.5 | 911.9 | 911.9 | 914.2 | 915.6  |
| 5°     | 863.9  | 860.9 | 855.7 | 854.3 | 852.8 | 855.0 | 853.5 | 855.7 | 856.5 | 861.7 | 862.4  |
| 7.5°   | 811.4  | 806.9 | 802.5 | 798.0 | 796.6 | 792.9 | 796.6 | 796.6 | 801.7 | 800.3 | 804.0  |
| 10°    | 749.2  | 748.5 | 742.6 | 740.4 | 737.4 | 731.5 | 739.6 | 737.4 | 741.1 | 747.8 | 749.2  |
| 12.5°  | 703.4  | 695.2 | 698.9 | 688.6 | 692.3 | 686.4 | 687.1 | 687.1 | 693.0 | 693.8 | 692.3  |
| 15°    | 659.7  | 653.1 | 643.5 | 639.0 | 636.8 | 633.9 | 643.5 | 644.2 | 639.8 | 650.1 | 646.4  |
| 17.5°  | 615.4  | 615.4 | 606.5 | 604.3 | 598.4 | 601.3 | 599.8 | 600.6 | 599.1 | 606.5 | 610.2  |
| 20°    | 576.9  | 573.2 | 570.2 | 571.0 | 563.6 | 562.1 | 560.6 | 562.1 | 567.3 | 572.5 | 573.9  |
| 22.5°  | 545.8  | 543.6 | 536.2 | 537.7 | 531.8 | 534.0 | 532.5 | 536.2 | 537.0 | 537.0 | 542.1  |
| 25°    | 516.3  | 513.3 | 514.0 | 511.1 | 508.9 | 508.9 | 506.6 | 508.9 | 511.8 | 513.3 | 514.0  |
| 27.5°  | 494.1  | 491.8 | 488.1 | 485.9 | 487.4 | 483.7 | 486.7 | 488.9 | 488.9 | 487.4 | 488.9  |
| 30°    | 467.4  | 468.9 | 468.9 | 461.5 | 464.5 | 463.0 | 465.2 | 466.7 | 466.7 | 467.4 | 466.0  |
| 32.5°  | 449.7  | 445.2 | 444.5 | 443.8 | 443.8 | 440.8 | 440.8 | 443.0 | 443.8 | 444.5 | 446.7  |
| 35°    | 426.0  | 426.0 | 422.3 | 424.5 | 421.6 | 422.3 | 421.6 | 422.3 | 423.8 | 421.6 | 423.8  |
| 37.5°  | 404.6  | 405.3 | 403.8 | 405.3 | 406.1 | 404.6 | 403.1 | 406.1 | 404.6 | 404.6 | 403.1  |
| 40°    | 386.1  | 385.3 | 386.1 | 386.1 | 386.1 | 386.8 | 385.3 | 385.3 | 385.3 | 383.9 | 382.4  |
| 42.5°  | 370.5  | 366.1 | 367.6 | 368.3 | 366.1 | 366.1 | 366.9 | 366.1 | 368.3 | 363.9 | 363.9  |
| 45°    | 348.4  | 346.9 | 347.6 | 347.6 | 349.1 | 346.9 | 348.4 | 349.1 | 346.9 | 346.1 | 344.7  |
| 47.5°  | 328.4  | 329.9 | 328.4 | 329.9 | 329.9 | 331.3 | 328.4 | 329.1 | 329.9 | 326.9 | 324.7  |
| 50°    | 308.4  | 308.4 | 310.6 | 309.9 | 310.6 | 309.2 | 309.2 | 308.4 | 309.2 | 307.7 | 305.5  |
| 52.5°  | 289.9  | 287.7 | 291.4 | 290.7 | 289.9 | 289.2 | 288.5 | 289.2 | 287.7 | 286.2 | 286.2  |
| 55°    | 267.0  | 267.0 | 269.2 | 270.0 | 270.0 | 268.5 | 267.0 | 267.7 | 267.0 | 266.3 | 265.5  |
| 57.5°  | 248.5  | 245.6 | 247.0 | 247.8 | 247.8 | 245.6 | 247.0 | 245.6 | 245.6 | 246.3 | 244.1  |
| 60°    | 224.8  | 224.8 | 223.4 | 225.6 | 225.6 | 224.1 | 224.1 | 224.8 | 223.4 | 222.6 | 221.9  |
| 62.5°  | 199.7  | 200.4 | 202.7 | 203.4 | 204.1 | 202.7 | 201.2 | 201.9 | 201.9 | 199.7 | 200.4  |
| 65°    | 178.2  | 179.7 | 182.7 | 181.9 | 180.5 | 181.2 | 179.7 | 180.5 | 178.2 | 179.0 | 176.8  |
| 67.5°  | 157.5  | 156.8 | 157.5 | 157.5 | 159.0 | 158.3 | 156.8 | 156.8 | 156.1 | 158.3 | 156.1  |
| 70°    | 135.4  | 135.4 | 135.4 | 135.4 | 136.1 | 136.8 | 135.4 | 133.9 | 134.6 | 133.1 | 132.4  |
| 72.5°  | 112.4  | 113.2 | 112.4 | 113.9 | 111.7 | 113.2 | 113.2 | 112.4 | 111.7 | 111.7 | 111.7  |
| 75°    | 91.0   | 92.5  | 90.2  | 91.0  | 90.2  | 91.7  | 91.0  | 91.0  | 89.5  | 88.8  | 89.5   |
| 77.5°  | 69.5   | 70.3  | 68.8  | 69.5  | 68.8  | 69.5  | 69.5  | 68.8  | 68.8  | 68.8  | 68.8   |
| 80°    | 49.6   | 50.3  | 49.6  | 48.8  | 48.1  | 49.6  | 48.1  | 48.8  | 49.6  | 48.8  | 50.3   |
| 82.5°  | 31.8   | 31.8  | 31.1  | 31.8  | 30.3  | 30.3  | 31.1  | 31.1  | 30.3  | 31.8  | 30.3   |
| 85°    | 15.5   | 15.5  | 17.0  | 15.5  | 14.8  | 14.8  | 14.8  | 15.5  | 14.8  | 16.3  | 15.5   |
| 87.5°  | 3.7    | 3.0   | 3.7   | 3.7   | 3.0   | 3.0   | 3.7   | 3.0   | 3.7   | 4.4   | 3.0    |
| 90°    | 13.0   | 13.1  | 13.3  | 13.6  | 13.8  | 14.0  | 13.8  | 13.6  | 13.3  | 13.1  | 13.0   |
| 92.5°  | 13.5   | 13.6  | 13.7  | 13.8  | 13.9  | 14.0  | 13.9  | 13.8  | 13.7  | 13.6  | 13.5   |
| 95°    | 22.9   | 22.8  | 22.7  | 22.6  | 22.5  | 22.4  | 22.5  | 22.6  | 22.7  | 22.8  | 22.9   |
| 97.5°  | 28.1   | 28.2  | 28.3  | 28.4  | 28.5  | 28.6  | 28.5  | 28.4  | 28.3  | 28.2  | 28.1   |
| 100°   | 33.8   | 33.9  | 34.1  | 34.4  | 34.6  | 34.8  | 34.6  | 34.4  | 34.1  | 33.9  | 33.8   |
| 102.5° | 36.4   | 36.6  | 36.9  | 37.3  | 37.6  | 38.0  | 37.6  | 37.3  | 36.9  | 36.6  | 36.4   |
| 105°   | 37.4   | 37.6  | 38.1  | 38.6  | 39.0  | 39.5  | 39.0  | 38.6  | 38.1  | 37.6  | 37.4   |
| 107.5° | 38.5   | 38.7  | 39.2  | 39.7  | 40.1  | 40.6  | 40.1  | 39.7  | 39.2  | 38.7  | 38.5   |
| 110°   | 39.0   | 39.2  | 39.7  | 40.2  | 40.6  | 41.1  | 40.6  | 40.2  | 39.7  | 39.2  | 39.0   |



TEST NUMBER: P998537

CATALOG NUMBER: SA2XXDIP-B485D530UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 40.0   | 40.2  | 40.5  | 40.9  | 41.2  | 41.6  | 41.2  | 40.9  | 40.5  | 40.2  | 40.0   |
| 115°   | 80.1   | 75.9  | 67.6  | 59.3  | 50.9  | 42.6  | 50.9  | 59.3  | 67.6  | 75.9  | 80.1   |
| 117.5° | 274.6  | 259.5 | 229.2 | 198.9 | 168.6 | 138.3 | 168.6 | 198.9 | 229.2 | 259.5 | 274.6  |
| 120°   | 387.4  | 379.6 | 364.0 | 348.4 | 332.8 | 317.2 | 332.8 | 348.4 | 364.0 | 379.6 | 387.4  |
| 122.5° | 414.9  | 415.0 | 415.1 | 415.2 | 415.4 | 415.5 | 415.4 | 415.2 | 415.1 | 415.0 | 414.9  |
| 125°   | 443.0  | 443.2 | 443.5 | 443.9 | 444.2 | 444.6 | 444.2 | 443.9 | 443.5 | 443.2 | 443.0  |
| 127.5° | 470.1  | 470.2 | 470.3 | 470.4 | 470.5 | 470.6 | 470.5 | 470.4 | 470.3 | 470.2 | 470.1  |
| 130°   | 495.0  | 494.9 | 494.8 | 494.7 | 494.6 | 494.5 | 494.6 | 494.7 | 494.8 | 494.9 | 495.0  |
| 132.5° | 518.4  | 518.3 | 518.2 | 518.1 | 518.0 | 517.9 | 518.0 | 518.1 | 518.2 | 518.3 | 518.4  |
| 135°   | 541.3  | 541.2 | 541.0 | 540.7 | 540.5 | 540.3 | 540.5 | 540.7 | 541.0 | 541.2 | 541.3  |
| 137.5° | 562.6  | 562.4 | 562.1 | 561.8 | 561.4 | 561.1 | 561.4 | 561.8 | 562.1 | 562.4 | 562.6  |
| 140°   | 582.9  | 582.6 | 582.0 | 581.5 | 580.9 | 580.3 | 580.9 | 581.5 | 582.0 | 582.6 | 582.9  |
| 142.5° | 601.6  | 601.3 | 600.7 | 600.2 | 599.6 | 599.0 | 599.6 | 600.2 | 600.7 | 601.3 | 601.6  |
| 145°   | 618.8  | 618.5 | 617.9 | 617.4 | 616.8 | 616.2 | 616.8 | 617.4 | 617.9 | 618.5 | 618.8  |
| 147.5° | 633.9  | 633.7 | 633.2 | 632.7 | 632.3 | 631.8 | 632.3 | 632.7 | 633.2 | 633.7 | 633.9  |
| 150°   | 648.4  | 648.1 | 647.5 | 647.0 | 646.4 | 645.8 | 646.4 | 647.0 | 647.5 | 648.1 | 648.4  |
| 152.5° | 661.4  | 661.0 | 660.2 | 659.4 | 658.6 | 657.8 | 658.6 | 659.4 | 660.2 | 661.0 | 661.4  |
| 155°   | 672.9  | 672.4 | 671.5 | 670.6 | 669.6 | 668.7 | 669.6 | 670.6 | 671.5 | 672.4 | 672.9  |
| 157.5° | 683.3  | 682.8 | 681.9 | 681.0 | 680.0 | 679.1 | 680.0 | 681.0 | 681.9 | 682.8 | 683.3  |
| 160°   | 691.6  | 691.2 | 690.4 | 689.5 | 688.7 | 687.9 | 688.7 | 689.5 | 690.4 | 691.2 | 691.6  |
| 162.5° | 699.9  | 699.4 | 698.3 | 697.3 | 696.2 | 695.2 | 696.2 | 697.3 | 698.3 | 699.4 | 699.9  |
| 165°   | 706.1  | 705.7 | 704.9 | 704.1 | 703.3 | 702.5 | 703.3 | 704.1 | 704.9 | 705.7 | 706.1  |
| 167.5° | 711.9  | 711.4 | 710.3 | 709.3 | 708.2 | 707.2 | 708.2 | 709.3 | 710.3 | 711.4 | 711.9  |
| 170°   | 716.0  | 715.5 | 714.4 | 713.4 | 712.3 | 711.3 | 712.3 | 713.4 | 714.4 | 715.5 | 716.0  |
| 172.5° | 719.1  | 718.6 | 717.6 | 716.5 | 715.5 | 714.5 | 715.5 | 716.5 | 717.6 | 718.6 | 719.1  |
| 175°   | 721.2  | 720.6 | 719.5 | 718.3 | 717.2 | 716.0 | 717.2 | 718.3 | 719.5 | 720.6 | 721.2  |
| 177.5° | 721.7  | 721.2 | 720.2 | 719.1 | 718.1 | 717.1 | 718.1 | 719.1 | 720.2 | 721.2 | 721.7  |
| 180°   | 718.6  | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6  |

TEST NUMBER: P998537

CATALOG NUMBER: SA2XXDIP-B485D530UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 0°     | 962.2 | 962.2 | 962.2 | 962.2 | 962.2 | 962.2 | 962.2 | 962.2 | 962.2 | 962.2  | 962.2 |
| 2.5°   | 913.4 | 919.3 | 917.1 | 909.0 | 918.6 | 918.6 | 925.3 | 925.3 | 933.4 | 936.4  | 940.8 |
| 5°     | 861.7 | 866.1 | 869.8 | 866.1 | 872.7 | 883.1 | 889.0 | 894.2 | 905.3 | 909.7  | 916.4 |
| 7.5°   | 806.2 | 814.3 | 818.0 | 818.0 | 829.1 | 840.9 | 852.8 | 860.2 | 875.7 | 881.6  | 888.3 |
| 10°    | 752.2 | 761.8 | 769.2 | 768.5 | 787.0 | 794.3 | 809.1 | 826.2 | 841.7 | 850.6  | 860.2 |
| 12.5°  | 695.2 | 700.4 | 710.8 | 725.6 | 730.0 | 743.3 | 760.3 | 781.8 | 809.9 | 818.0  | 832.1 |
| 15°    | 647.9 | 662.0 | 670.1 | 676.8 | 687.1 | 699.7 | 718.2 | 738.9 | 767.0 | 784.7  | 799.5 |
| 17.5°  | 608.0 | 626.5 | 631.6 | 630.2 | 643.5 | 662.7 | 684.1 | 699.7 | 724.8 | 746.3  | 760.3 |
| 20°    | 575.4 | 582.8 | 591.7 | 595.4 | 605.7 | 626.5 | 647.2 | 664.9 | 685.6 | 702.6  | 718.9 |
| 22.5°  | 542.9 | 548.8 | 556.2 | 562.8 | 571.0 | 582.8 | 602.8 | 625.0 | 644.9 | 661.2  | 679.7 |
| 25°    | 516.3 | 520.0 | 526.6 | 531.8 | 540.7 | 548.8 | 562.8 | 587.3 | 610.9 | 620.5  | 636.8 |
| 27.5°  | 490.4 | 493.3 | 497.8 | 503.7 | 508.1 | 516.3 | 528.8 | 548.8 | 573.2 | 582.8  | 605.0 |
| 30°    | 467.4 | 469.7 | 474.1 | 477.1 | 479.3 | 488.9 | 498.5 | 514.0 | 532.5 | 545.8  | 562.1 |
| 32.5°  | 446.0 | 448.2 | 452.6 | 453.4 | 456.3 | 461.5 | 470.4 | 484.4 | 500.7 | 511.8  | 525.9 |
| 35°    | 422.3 | 423.8 | 428.2 | 429.7 | 431.9 | 436.4 | 443.0 | 453.4 | 468.2 | 476.3  | 488.9 |
| 37.5°  | 403.8 | 403.1 | 406.1 | 408.3 | 411.2 | 413.4 | 415.7 | 426.0 | 437.1 | 444.5  | 454.1 |
| 40°    | 383.9 | 382.4 | 383.1 | 386.1 | 387.6 | 390.5 | 390.5 | 400.9 | 408.3 | 414.2  | 421.6 |
| 42.5°  | 363.9 | 363.2 | 361.7 | 363.2 | 364.6 | 365.4 | 366.1 | 373.5 | 380.9 | 386.1  | 394.2 |
| 45°    | 343.9 | 343.2 | 341.7 | 342.4 | 342.4 | 343.9 | 346.1 | 349.1 | 354.3 | 358.7  | 363.2 |
| 47.5°  | 325.4 | 324.0 | 321.7 | 321.0 | 322.5 | 322.5 | 322.5 | 325.4 | 330.6 | 332.1  | 336.5 |
| 50°    | 306.2 | 304.0 | 301.0 | 299.5 | 299.5 | 298.8 | 300.3 | 301.0 | 305.5 | 306.9  | 310.6 |
| 52.5°  | 285.5 | 284.0 | 281.1 | 278.1 | 278.8 | 277.4 | 278.1 | 278.8 | 280.3 | 282.5  | 284.8 |
| 55°    | 264.8 | 261.8 | 259.6 | 258.9 | 256.6 | 256.6 | 254.4 | 257.4 | 256.6 | 257.4  | 260.3 |
| 57.5°  | 244.8 | 241.9 | 238.2 | 236.7 | 234.5 | 233.7 | 232.2 | 231.5 | 232.2 | 234.5  | 236.7 |
| 60°    | 221.1 | 219.7 | 217.4 | 215.2 | 213.7 | 211.5 | 210.1 | 210.1 | 209.3 | 209.3  | 210.1 |
| 62.5°  | 198.2 | 197.5 | 194.5 | 193.8 | 192.3 | 190.8 | 188.6 | 187.1 | 187.1 | 188.6  | 189.3 |
| 65°    | 176.0 | 175.3 | 173.1 | 172.3 | 168.6 | 167.2 | 166.4 | 165.7 | 164.2 | 164.2  | 164.2 |
| 67.5°  | 155.3 | 153.1 | 153.1 | 149.4 | 146.4 | 145.0 | 143.5 | 142.7 | 142.7 | 142.7  | 143.5 |
| 70°    | 132.4 | 132.4 | 130.2 | 128.0 | 125.0 | 125.7 | 123.5 | 121.3 | 121.3 | 119.8  | 120.6 |
| 72.5°  | 110.2 | 109.5 | 107.2 | 106.5 | 104.3 | 102.1 | 100.6 | 102.1 | 99.8  | 99.1   | 99.8  |
| 75°    | 88.8  | 88.0  | 86.5  | 85.1  | 85.8  | 83.6  | 81.4  | 80.6  | 80.6  | 79.1   | 79.1  |
| 77.5°  | 68.0  | 69.5  | 66.6  | 65.8  | 64.3  | 62.9  | 62.1  | 61.4  | 61.4  | 61.4   | 62.9  |
| 80°    | 47.3  | 48.1  | 48.1  | 46.6  | 47.3  | 45.1  | 45.1  | 45.1  | 42.9  | 43.6   | 44.4  |
| 82.5°  | 30.3  | 30.3  | 29.6  | 30.3  | 29.6  | 29.6  | 28.8  | 28.8  | 28.1  | 28.1   | 28.8  |
| 85°    | 17.0  | 16.3  | 15.5  | 17.0  | 16.3  | 16.3  | 15.5  | 15.5  | 15.5  | 15.5   | 15.5  |
| 87.5°  | 3.7   | 4.4   | 4.4   | 4.4   | 4.4   | 5.2   | 5.2   | 5.2   | 5.9   | 5.9    | 5.9   |
| 90°    | 12.7  | 12.1  | 11.6  | 11.0  | 10.4  | 9.5   | 8.5   | 7.6   | 6.7   | 6.2    | 5.6   |
| 92.5°  | 13.4  | 13.2  | 12.9  | 12.7  | 12.5  | 12.1  | 11.8  | 11.4  | 11.1  | 10.9   | 11.1  |
| 95°    | 22.6  | 22.0  | 21.5  | 20.9  | 20.3  | 19.5  | 18.7  | 17.8  | 17.0  | 16.6   | 18.5  |
| 97.5°  | 27.9  | 27.6  | 27.2  | 26.9  | 26.5  | 24.7  | 22.8  | 21.0  | 19.1  | 18.2   | 22.9  |
| 100°   | 33.3  | 32.4  | 31.5  | 30.5  | 29.6  | 27.6  | 25.7  | 23.7  | 21.8  | 20.8   | 28.7  |
| 102.5° | 35.8  | 34.5  | 33.2  | 32.0  | 30.7  | 51.7  | 72.7  | 93.8  | 114.8 | 125.3  | 125.4 |
| 105°   | 36.8  | 35.5  | 34.2  | 33.0  | 31.7  | 63.3  | 94.8  | 126.4 | 157.9 | 173.7  | 172.0 |
| 107.5° | 37.9  | 36.6  | 35.3  | 34.1  | 32.8  | 71.7  | 110.7 | 149.6 | 188.5 | 208.0  | 206.6 |
| 110°   | 44.8  | 56.3  | 67.9  | 79.4  | 91.0  | 124.4 | 157.8 | 191.2 | 224.6 | 241.3  | 240.1 |

TEST NUMBER: P998537

CATALOG NUMBER: SA2XXDIP-B485D530UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 64.9  | 114.7 | 164.6 | 214.4 | 264.2 | 266.2 | 268.1 | 270.1 | 272.0 | 273.0  | 272.0 |
| 115°   | 106.8 | 160.3 | 213.8 | 267.3 | 320.8 | 317.9 | 315.0 | 312.1 | 309.2 | 307.8  | 306.8 |
| 117.5° | 282.9 | 299.4 | 315.9 | 332.4 | 348.9 | 346.9 | 345.0 | 343.0 | 341.1 | 340.1  | 338.9 |
| 120°   | 386.7 | 385.3 | 383.9 | 382.5 | 381.1 | 379.0 | 377.0 | 374.9 | 372.8 | 371.8  | 370.9 |
| 122.5° | 414.6 | 413.9 | 413.2 | 412.5 | 411.8 | 409.5 | 407.2 | 404.9 | 402.6 | 401.4  | 400.5 |
| 125°   | 442.6 | 441.8 | 441.0 | 440.2 | 439.4 | 437.2 | 435.0 | 432.8 | 430.6 | 429.5  | 428.7 |
| 127.5° | 469.5 | 468.4 | 467.2 | 466.1 | 464.9 | 463.2 | 461.4 | 459.7 | 458.0 | 457.1  | 456.3 |
| 130°   | 494.4 | 493.1 | 491.8 | 490.6 | 489.3 | 488.0 | 486.8 | 485.5 | 484.2 | 483.6  | 482.7 |
| 132.5° | 517.9 | 516.8 | 515.8 | 514.7 | 513.7 | 512.4 | 511.2 | 509.9 | 508.6 | 508.0  | 507.3 |
| 135°   | 540.7 | 539.6 | 538.4 | 537.3 | 536.1 | 535.1 | 534.0 | 533.0 | 531.9 | 531.4  | 530.5 |
| 137.5° | 562.0 | 560.9 | 559.7 | 558.6 | 557.4 | 556.2 | 555.1 | 553.9 | 552.8 | 552.2  | 551.5 |
| 140°   | 582.4 | 581.3 | 580.3 | 579.2 | 578.2 | 576.9 | 575.7 | 574.4 | 573.1 | 572.5  | 572.0 |
| 142.5° | 601.1 | 600.2 | 599.3 | 598.4 | 597.5 | 596.0 | 594.5 | 593.0 | 591.5 | 590.7  | 590.3 |
| 145°   | 618.4 | 617.6 | 616.7 | 615.9 | 615.1 | 613.1 | 611.2 | 609.2 | 607.3 | 606.3  | 606.4 |
| 147.5° | 633.6 | 633.0 | 632.5 | 631.9 | 631.3 | 629.3 | 627.3 | 625.4 | 623.4 | 622.4  | 622.6 |
| 150°   | 648.1 | 647.4 | 646.7 | 646.0 | 645.3 | 643.5 | 641.6 | 639.8 | 637.9 | 637.0  | 637.4 |
| 152.5° | 661.1 | 660.4 | 659.7 | 659.0 | 658.3 | 656.6 | 654.8 | 653.1 | 651.4 | 650.5  | 651.0 |
| 155°   | 672.5 | 671.8 | 671.1 | 670.4 | 669.7 | 668.3 | 666.9 | 665.6 | 664.2 | 663.5  | 664.0 |
| 157.5° | 682.9 | 682.1 | 681.2 | 680.4 | 679.6 | 678.6 | 677.5 | 676.5 | 675.4 | 674.9  | 675.4 |
| 160°   | 691.3 | 690.6 | 689.9 | 689.2 | 688.5 | 687.8 | 687.1 | 686.4 | 685.7 | 685.3  | 685.7 |
| 162.5° | 699.5 | 698.7 | 697.9 | 697.1 | 696.3 | 695.7 | 695.1 | 694.6 | 694.0 | 693.7  | 694.0 |
| 165°   | 705.7 | 704.9 | 704.1 | 703.3 | 702.5 | 702.1 | 701.8 | 701.4 | 701.1 | 700.9  | 701.3 |
| 167.5° | 711.5 | 710.7 | 709.8 | 709.0 | 708.2 | 707.9 | 707.5 | 707.2 | 706.9 | 706.7  | 707.0 |
| 170°   | 715.6 | 714.8 | 714.0 | 713.2 | 712.4 | 712.2 | 711.9 | 711.7 | 711.4 | 711.3  | 711.7 |
| 172.5° | 718.7 | 717.9 | 717.1 | 716.3 | 715.5 | 715.3 | 715.1 | 714.8 | 714.6 | 714.5  | 714.8 |
| 175°   | 720.8 | 720.0 | 719.2 | 718.4 | 717.6 | 717.4 | 717.1 | 716.9 | 716.6 | 716.5  | 716.9 |
| 177.5° | 721.3 | 720.5 | 719.7 | 718.9 | 718.1 | 718.0 | 717.9 | 717.8 | 717.7 | 717.6  | 718.0 |
| 180°   | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6 | 718.6  | 718.6 |

TEST NUMBER: P998537

CATALOG NUMBER: SA2XXDIP-B485D530UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 0°     | 962.2 | 962.2 | 962.2 | 962.2 |
| 2.5°   | 944.5 | 944.5 | 955.6 | 967.4 |
| 5°     | 923.8 | 929.0 | 946.7 | 963.0 |
| 7.5°   | 903.8 | 912.7 | 934.9 | 955.6 |
| 10°    | 879.4 | 891.2 | 918.6 | 943.0 |
| 12.5°  | 855.7 | 866.8 | 898.6 | 926.0 |
| 15°    | 822.5 | 836.5 | 870.5 | 904.6 |
| 17.5°  | 789.2 | 803.2 | 844.6 | 884.6 |
| 20°    | 750.0 | 768.5 | 815.1 | 868.3 |
| 22.5°  | 713.7 | 736.7 | 788.4 | 831.3 |
| 25°    | 673.8 | 709.3 | 757.4 | 812.8 |
| 27.5°  | 638.3 | 673.8 | 722.6 | 778.8 |
| 30°    | 598.4 | 634.6 | 684.9 | 736.7 |
| 32.5°  | 559.9 | 593.2 | 642.0 | 705.6 |
| 35°    | 520.0 | 551.8 | 599.1 | 663.4 |
| 37.5°  | 483.7 | 514.8 | 566.5 | 625.7 |
| 40°    | 448.2 | 480.8 | 525.1 | 584.3 |
| 42.5°  | 414.9 | 443.8 | 483.7 | 542.9 |
| 45°    | 384.6 | 405.3 | 442.3 | 497.8 |
| 47.5°  | 352.8 | 371.3 | 405.3 | 460.8 |
| 50°    | 323.2 | 338.7 | 368.3 | 420.1 |
| 52.5°  | 294.4 | 307.7 | 335.0 | 376.5 |
| 55°    | 268.5 | 281.1 | 301.0 | 341.7 |
| 57.5°  | 241.9 | 251.5 | 270.7 | 303.2 |
| 60°    | 216.0 | 224.8 | 240.4 | 267.0 |
| 62.5°  | 190.1 | 197.5 | 212.3 | 233.7 |
| 65°    | 167.2 | 173.1 | 184.2 | 202.7 |
| 67.5°  | 145.0 | 148.7 | 157.5 | 172.3 |
| 70°    | 123.5 | 126.5 | 133.9 | 145.7 |
| 72.5°  | 100.6 | 103.5 | 111.7 | 119.8 |
| 75°    | 81.4  | 82.1  | 88.0  | 94.7  |
| 77.5°  | 63.6  | 62.9  | 67.3  | 72.5  |
| 80°    | 43.6  | 45.9  | 49.6  | 51.8  |
| 82.5°  | 29.6  | 30.3  | 31.8  | 33.3  |
| 85°    | 16.3  | 17.0  | 17.0  | 19.2  |
| 87.5°  | 6.7   | 7.4   | 7.4   | 8.1   |
| 90°    | 4.3   | 3.0   | 1.8   | 0.5   |
| 92.5°  | 11.6  | 12.1  | 12.5  | 13.0  |
| 95°    | 22.3  | 26.2  | 30.0  | 33.8  |
| 97.5°  | 32.4  | 41.9  | 51.3  | 60.8  |
| 100°   | 44.5  | 60.4  | 76.2  | 92.0  |
| 102.5° | 125.7 | 125.9 | 126.2 | 126.4 |
| 105°   | 168.5 | 165.0 | 161.6 | 158.1 |
| 107.5° | 203.7 | 200.8 | 197.9 | 195.0 |
| 110°   | 237.7 | 235.2 | 232.8 | 230.4 |



TEST NUMBER: P998537

CATALOG NUMBER: SA2XXDIP-B485D530UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 269.9 | 267.8 | 265.7 | 263.6 |
| 115°   | 304.9 | 302.9 | 301.0 | 299.0 |
| 117.5° | 336.6 | 334.3 | 332.0 | 329.7 |
| 120°   | 369.2 | 367.5 | 365.7 | 364.0 |
| 122.5° | 398.6 | 396.8 | 394.9 | 393.1 |
| 125°   | 427.2 | 425.7 | 424.2 | 422.7 |
| 127.5° | 454.7 | 453.0 | 451.4 | 449.8 |
| 130°   | 480.8 | 479.0 | 477.1 | 475.3 |
| 132.5° | 505.8 | 504.3 | 502.8 | 501.3 |
| 135°   | 528.6 | 526.8 | 524.9 | 523.1 |
| 137.5° | 550.1 | 548.8 | 547.4 | 546.0 |
| 140°   | 571.1 | 570.2 | 569.2 | 568.3 |
| 142.5° | 589.5 | 588.7 | 587.9 | 587.1 |
| 145°   | 606.5 | 606.6 | 606.7 | 606.8 |
| 147.5° | 622.9 | 623.3 | 623.6 | 624.0 |
| 150°   | 638.2 | 639.0 | 639.8 | 640.6 |
| 152.5° | 651.9 | 652.8 | 653.8 | 654.7 |
| 155°   | 665.1 | 666.1 | 667.2 | 668.2 |
| 157.5° | 676.3 | 677.2 | 678.2 | 679.1 |
| 160°   | 686.4 | 687.1 | 687.8 | 688.5 |
| 162.5° | 694.7 | 695.4 | 696.1 | 696.8 |
| 165°   | 702.0 | 702.7 | 703.4 | 704.1 |
| 167.5° | 707.7 | 708.4 | 709.1 | 709.8 |
| 170°   | 712.4 | 713.1 | 713.8 | 714.5 |
| 172.5° | 715.5 | 716.2 | 716.9 | 717.6 |
| 175°   | 717.7 | 718.6 | 719.4 | 720.2 |
| 177.5° | 718.8 | 719.6 | 720.4 | 721.2 |
| 180°   | 718.6 | 718.6 | 718.6 | 718.6 |

TEST NUMBER: P998537

CATALOG NUMBER: SA2XXDIP-B485D530UB40-4F0-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 | 15.33            | 16.16 | 16.29 | 17.13 | 18.40 | 12.82          | 13.65 | 13.78 | 14.62 | 15.89 |
|                 | 3H   | 16.14            | 16.88 | 17.11 | 17.86 | 19.15 | 14.16          | 14.90 | 15.13 | 15.88 | 17.18 |
|                 | 4H   | 16.30            | 17.00 | 17.29 | 17.99 | 19.29 | 14.62          | 15.32 | 15.61 | 16.31 | 17.61 |
|                 | 6H   | 16.35            | 16.99 | 17.34 | 17.98 | 19.30 | 14.93          | 15.57 | 15.93 | 16.56 | 17.88 |
|                 | 8H   | 16.32            | 16.94 | 17.33 | 17.95 | 19.26 | 15.01          | 15.62 | 16.01 | 16.63 | 17.94 |
|                 | 12H  | 16.29            | 16.87 | 17.29 | 17.87 | 19.21 | 15.05          | 15.64 | 16.06 | 16.64 | 17.97 |
| 4H              | 2H   | 15.36            | 16.07 | 16.36 | 17.05 | 18.35 | 13.26          | 13.96 | 14.25 | 14.95 | 16.25 |
|                 | 3H   | 16.34            | 16.93 | 17.34 | 17.94 | 19.26 | 14.72          | 15.30 | 15.72 | 16.32 | 17.63 |
|                 | 4H   | 16.62            | 17.15 | 17.63 | 18.16 | 19.50 | 15.25          | 15.79 | 16.26 | 16.79 | 18.13 |
|                 | 6H   | 16.75            | 17.20 | 17.77 | 18.23 | 19.57 | 15.63          | 16.09 | 16.65 | 17.12 | 18.46 |
|                 | 8H   | 16.74            | 17.17 | 17.77 | 18.19 | 19.55 | 15.74          | 16.17 | 16.76 | 17.19 | 18.54 |
|                 | 12H  | 16.71            | 17.09 | 17.75 | 18.13 | 19.49 | 15.79          | 16.18 | 16.84 | 17.22 | 18.58 |
| 8H              | 4H   | 16.62            | 17.05 | 17.65 | 18.07 | 19.43 | 15.39          | 15.82 | 16.41 | 16.84 | 18.19 |
|                 | 6H   | 16.80            | 17.15 | 17.85 | 18.22 | 19.57 | 15.83          | 16.18 | 16.87 | 17.24 | 18.59 |
|                 | 8H   | 16.83            | 17.14 | 17.89 | 18.19 | 19.56 | 15.98          | 16.29 | 17.03 | 17.34 | 18.70 |
|                 | 12H  | 16.81            | 17.09 | 17.87 | 18.13 | 19.54 | 16.07          | 16.34 | 17.12 | 17.39 | 18.80 |
| 12H             | 4H   | 16.58            | 16.96 | 17.62 | 18.00 | 19.36 | 15.37          | 15.75 | 16.41 | 16.79 | 18.15 |
|                 | 6H   | 16.78            | 17.09 | 17.83 | 18.14 | 19.51 | 15.83          | 16.14 | 16.88 | 17.19 | 18.55 |
|                 | 8H   | 16.81            | 17.08 | 17.87 | 18.13 | 19.54 | 15.98          | 16.25 | 17.04 | 17.30 | 18.71 |