

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: CORELITE

Report Number: P571924

Luminaire Tested: 22ID-30-L850-SWD

Issue Date: 10/5/2021

**Test Information**

Test Method: LM-79-2019  
Report Number: P571924  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2109-397-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/5/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 22ID-30-L850-SWD  
Description: 3000 LUMEN, 2X2 INDEPTH TROFFER WITH 2IN DROPPED SWEEP LENS AND 5000K, 80 CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3160.0 lumens  
Efficiency: N/A  
Efficacy: 130.6 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.21 / 1.35  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')  
CIE Type: Direct

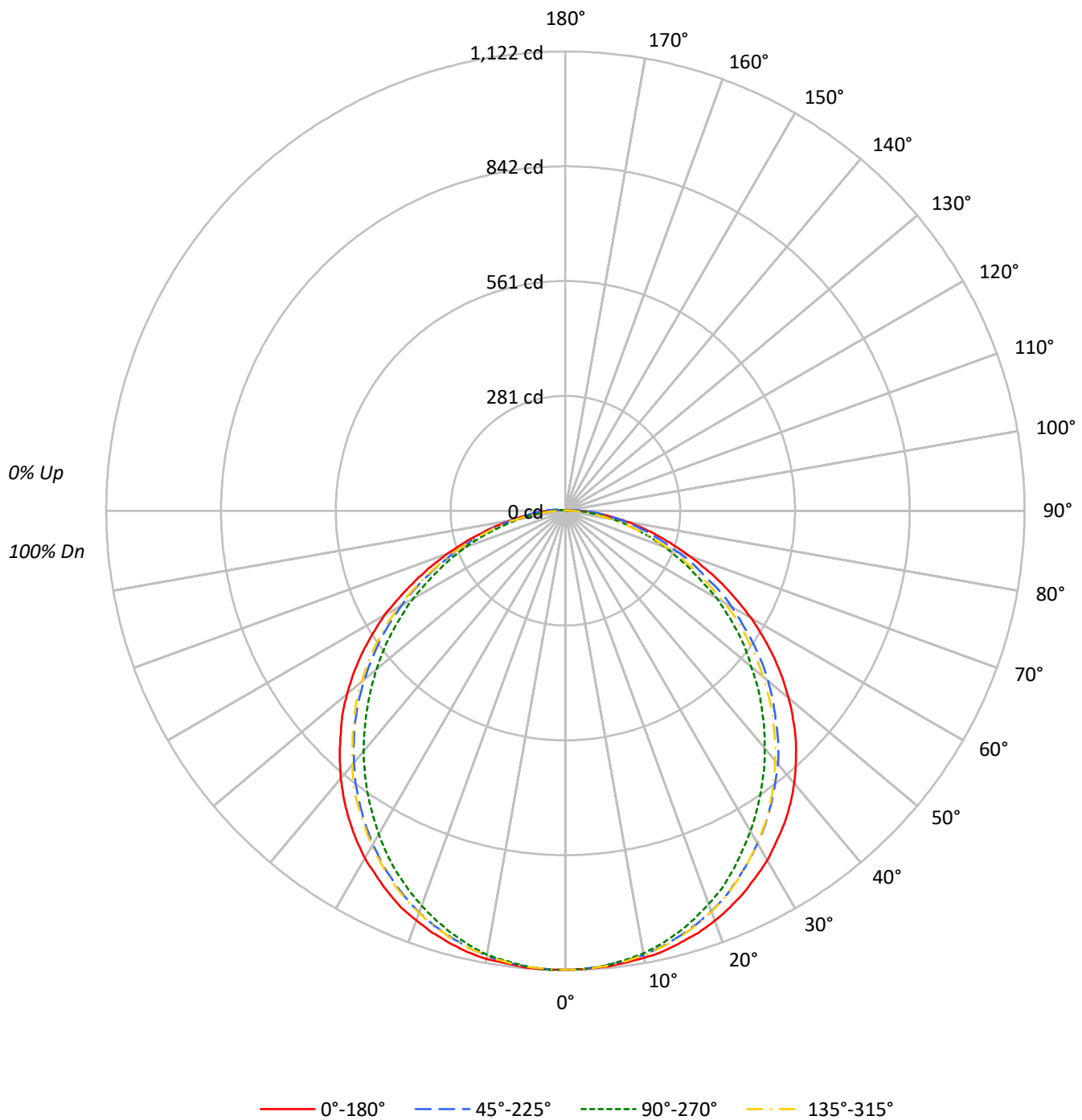
Input Watts (W): 24.2  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P571924

CATALOG NUMBER: 22ID-30-L850-SWD

### Luminous Intensity Polar Plot



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

|     |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|--|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |  | 20  |     |     |  | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |  | 30  |     |     |  | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 100 |
| 1   | 108 | 104 | 99  | 95  | 106 | 101 | 97  | 94  | 97  | 94  | 91  |  | 93  | 90  | 88  |  | 83  |
| 2   | 99  | 90  | 83  | 78  | 96  | 88  | 82  | 77  | 85  | 79  | 75  |  | 81  | 77  | 73  |  | 69  |
| 3   | 90  | 79  | 71  | 65  | 87  | 78  | 70  | 64  | 75  | 68  | 63  |  | 72  | 66  | 62  |  | 58  |
| 4   | 82  | 70  | 62  | 55  | 80  | 69  | 61  | 54  | 66  | 59  | 54  |  | 64  | 58  | 53  |  | 50  |
| 5   | 76  | 63  | 54  | 47  | 74  | 62  | 53  | 47  | 60  | 52  | 46  |  | 57  | 51  | 46  |  | 43  |
| 6   | 70  | 57  | 48  | 41  | 68  | 56  | 47  | 41  | 54  | 46  | 41  |  | 52  | 45  | 40  |  | 38  |
| 7   | 65  | 51  | 43  | 36  | 63  | 51  | 42  | 36  | 49  | 41  | 36  |  | 47  | 41  | 36  |  | 33  |
| 8   | 60  | 47  | 38  | 32  | 59  | 46  | 38  | 32  | 45  | 37  | 32  |  | 43  | 37  | 32  |  | 30  |
| 9   | 56  | 43  | 35  | 29  | 55  | 42  | 35  | 29  | 41  | 34  | 29  |  | 40  | 34  | 29  |  | 27  |
| 10  | 53  | 40  | 32  | 27  | 52  | 39  | 32  | 26  | 38  | 31  | 26  |  | 37  | 31  | 26  |  | 24  |

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

|     | 0°   | 90°  | 180° | 270° |
|-----|------|------|------|------|
| 0°  | 3019 | 3019 | 3019 | 3019 |
| 5°  | 3000 | 2991 | 3004 | 2995 |
| 10° | 2987 | 2957 | 2995 | 2966 |
| 15° | 2975 | 2907 | 2980 | 2915 |
| 20° | 2964 | 2842 | 2960 | 2855 |
| 25° | 2945 | 2769 | 2936 | 2787 |
| 30° | 2924 | 2681 | 2905 | 2704 |
| 35° | 2895 | 2587 | 2861 | 2616 |
| 40° | 2855 | 2488 | 2804 | 2519 |
| 45° | 2800 | 2380 | 2728 | 2407 |
| 50° | 2712 | 2256 | 2652 | 2292 |
| 55° | 2603 | 2147 | 2543 | 2167 |
| 60° | 2460 | 2008 | 2401 | 2023 |
| 65° | 2281 | 1813 | 2179 | 1838 |
| 70° | 2058 | 1644 | 1956 | 1654 |
| 75° | 1837 | 1450 | 1699 | 1400 |
| 80° | 1591 | 1210 | 1426 | 1177 |
| 85° | 1271 | 971  | 1195 | 971  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2800 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 106.2  | 3.4       |
| 10°-20°   | 304.6  | 9.6       |
| 20°-30°   | 460.3  | 14.6      |
| 30°-40°   | 550.5  | 17.4      |
| 40°-50°   | 563.2  | 17.8      |
| 50°-60°   | 498.4  | 15.8      |
| 60°-70°   | 369.3  | 11.7      |
| 70°-80°   | 212.9  | 6.7       |
| 80°-90°   | 79.1   | 2.5       |
| 90°-100°  | 14.5   | 0.5       |
| 100°-110° | 1.2    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 871.1  | 27.6      |
| 0°-40°    | 1421.6 | 45.0      |
| 0°-60°    | 2483.2 | 78.6      |
| 0°-90°    | 3144.4 | 99.5      |
| 90°-120°  | 15.6   | 0.5       |
| 90°-150°  | 15.6   | 0.5       |
| 90°-180°  | 16.0   | 0.5       |
| 0°-180°   | 3160.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1122 | 1122 | 1122 | 1122 | 1122 |      |
| 5°   | 1119 | 1116 | 1120 | 1117 | 1119 | 106  |
| 15°  | 1092 | 1067 | 1093 | 1070 | 1092 | 309  |
| 25°  | 1030 | 969  | 1027 | 975  | 1030 | 475  |
| 35°  | 933  | 833  | 922  | 843  | 933  | 583  |
| 45°  | 797  | 678  | 777  | 685  | 797  | 613  |
| 55°  | 621  | 512  | 607  | 517  | 621  | 554  |
| 65°  | 422  | 336  | 403  | 340  | 422  | 417  |
| 75°  | 232  | 183  | 214  | 176  | 232  | 246  |
| 85°  | 80   | 61   | 76   | 61   | 80   | 81   |
| 90°  | 32   | 22   | 42   | 33   | 32   | 18   |
| 95°  | 5    | 3    | 22   | 19   | 5    | 3    |
| 105° | 0    | 0    | 3    | 3    | 0    | 0    |
| 115° | 0    | 0    | 0    | 0    | 0    | 0    |
| 125° | 0    | 0    | 0    | 0    | 0    | 0    |
| 135° | 0    | 0    | 0    | 0    | 0    | 0    |
| 145° | 0    | 0    | 0    | 0    | 0    | 0    |
| 155° | 0    | 0    | 0    | 0    | 0    | 0    |
| 165° | 0    | 0    | 0    | 0    | 0    | 0    |
| 175° | 0    | 0    | 0    | 0    | 0    | 0    |
| 180° | 0    | 0    | 0    | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 |
| 2.5°   | 1120.2 | 1121.8 | 1120.2 | 1120.2 | 1120.2 | 1120.2 | 1118.6 | 1118.6 | 1120.2 | 1120.2 | 1120.2 |
| 5°     | 1118.6 | 1118.6 | 1117.0 | 1117.0 | 1117.0 | 1117.0 | 1115.5 | 1115.5 | 1117.0 | 1117.0 | 1115.5 |
| 7.5°   | 1113.9 | 1113.9 | 1113.9 | 1112.3 | 1110.7 | 1112.3 | 1110.7 | 1110.7 | 1110.7 | 1110.7 | 1109.2 |
| 10°    | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1106.0 | 1106.0 | 1104.4 | 1104.4 | 1102.9 | 1102.9 | 1102.9 |
| 12.5°  | 1102.9 | 1102.9 | 1101.3 | 1099.7 | 1098.1 | 1098.1 | 1096.6 | 1095.0 | 1093.4 | 1091.8 | 1090.3 |
| 15°    | 1091.8 | 1091.8 | 1091.8 | 1088.7 | 1087.1 | 1085.5 | 1085.5 | 1084.0 | 1080.8 | 1079.2 | 1076.1 |
| 17.5°  | 1080.8 | 1080.8 | 1079.2 | 1076.1 | 1074.5 | 1072.9 | 1071.3 | 1069.8 | 1066.6 | 1063.5 | 1060.3 |
| 20°    | 1066.6 | 1066.6 | 1065.0 | 1061.9 | 1058.7 | 1057.2 | 1057.2 | 1054.0 | 1047.7 | 1044.6 | 1041.4 |
| 22.5°  | 1049.3 | 1050.9 | 1049.3 | 1046.1 | 1043.0 | 1039.8 | 1039.8 | 1033.5 | 1028.8 | 1025.7 | 1020.9 |
| 25°    | 1030.4 | 1030.4 | 1028.8 | 1025.7 | 1020.9 | 1017.8 | 1017.8 | 1009.9 | 1006.8 | 1002.0 | 994.1  |
| 27.5°  | 1008.3 | 1008.3 | 1006.8 | 1003.6 | 1000.5 | 995.7  | 994.1  | 986.3  | 981.5  | 976.8  | 967.4  |
| 30°    | 986.3  | 984.7  | 984.7  | 978.4  | 975.2  | 970.5  | 968.9  | 959.5  | 954.8  | 948.5  | 939.0  |
| 32.5°  | 959.5  | 959.5  | 959.5  | 951.6  | 948.5  | 943.7  | 942.2  | 932.7  | 926.4  | 918.5  | 909.1  |
| 35°    | 932.7  | 931.1  | 928.0  | 923.3  | 918.5  | 913.8  | 912.2  | 902.8  | 896.5  | 887.0  | 876.0  |
| 37.5°  | 902.8  | 899.6  | 898.0  | 893.3  | 888.6  | 880.7  | 880.7  | 871.3  | 863.4  | 853.9  | 841.3  |
| 40°    | 869.7  | 866.5  | 865.0  | 858.7  | 853.9  | 847.6  | 846.1  | 836.6  | 825.6  | 817.7  | 808.2  |
| 42.5°  | 833.4  | 830.3  | 827.1  | 825.6  | 817.7  | 811.4  | 809.8  | 798.8  | 787.8  | 779.9  | 770.4  |
| 45°    | 797.2  | 792.5  | 789.3  | 786.2  | 778.3  | 772.0  | 770.4  | 757.8  | 748.4  | 740.5  | 726.3  |
| 47.5°  | 754.7  | 751.5  | 746.8  | 740.5  | 737.3  | 729.5  | 729.5  | 716.9  | 707.4  | 698.0  | 688.5  |
| 50°    | 712.1  | 707.4  | 704.3  | 698.0  | 693.2  | 686.9  | 682.2  | 674.3  | 664.9  | 655.4  | 646.0  |
| 52.5°  | 668.0  | 663.3  | 661.7  | 657.0  | 649.1  | 642.8  | 638.1  | 631.8  | 620.8  | 611.3  | 603.4  |
| 55°    | 620.8  | 619.2  | 612.9  | 611.3  | 603.4  | 597.1  | 594.0  | 584.5  | 575.1  | 567.2  | 557.7  |
| 57.5°  | 571.9  | 567.2  | 567.2  | 562.5  | 556.2  | 548.3  | 548.3  | 537.3  | 529.4  | 521.5  | 512.0  |
| 60°    | 523.1  | 519.9  | 519.9  | 512.0  | 508.9  | 502.6  | 502.6  | 490.0  | 483.7  | 475.8  | 469.5  |
| 62.5°  | 471.1  | 474.2  | 466.4  | 466.4  | 460.0  | 455.3  | 453.7  | 445.9  | 438.0  | 431.7  | 425.4  |
| 65°    | 422.2  | 423.8  | 419.1  | 417.5  | 408.1  | 403.3  | 401.8  | 395.5  | 389.2  | 382.8  | 373.4  |
| 67.5°  | 370.2  | 371.8  | 370.2  | 367.1  | 362.4  | 357.6  | 356.1  | 349.8  | 345.0  | 338.7  | 335.6  |
| 70°    | 321.4  | 321.4  | 323.0  | 321.4  | 316.7  | 313.5  | 313.5  | 305.6  | 300.9  | 296.2  | 288.3  |
| 72.5°  | 275.7  | 278.9  | 277.3  | 277.3  | 272.6  | 269.4  | 269.4  | 263.1  | 260.0  | 255.2  | 248.9  |
| 75°    | 231.6  | 233.2  | 234.8  | 233.2  | 230.0  | 228.4  | 226.9  | 223.7  | 220.6  | 217.4  | 211.1  |
| 77.5°  | 190.6  | 192.2  | 192.2  | 192.2  | 190.6  | 190.6  | 187.5  | 184.3  | 182.8  | 181.2  | 176.5  |
| 80°    | 151.2  | 152.8  | 154.4  | 154.4  | 152.8  | 151.2  | 151.2  | 149.7  | 149.7  | 148.1  | 146.5  |
| 82.5°  | 113.4  | 116.6  | 118.2  | 119.7  | 119.7  | 121.3  | 119.7  | 118.2  | 118.2  | 116.6  | 115.0  |
| 85°    | 80.4   | 83.5   | 86.7   | 88.2   | 89.8   | 89.8   | 89.8   | 89.8   | 89.8   | 89.8   | 86.7   |
| 87.5°  | 53.6   | 56.7   | 59.9   | 61.4   | 63.0   | 63.0   | 63.0   | 63.0   | 63.0   | 63.0   | 61.4   |
| 90°    | 31.5   | 34.7   | 36.2   | 37.8   | 39.4   | 37.8   | 39.4   | 39.4   | 41.0   | 41.0   | 39.4   |
| 92.5°  | 15.8   | 17.3   | 17.3   | 18.9   | 18.9   | 18.9   | 18.9   | 18.9   | 18.9   | 20.5   | 18.9   |
| 95°    | 4.7    | 4.7    | 6.3    | 6.3    | 6.3    | 6.3    | 4.7    | 4.7    | 3.2    | 3.2    | 1.6    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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CATALOG NUMBER: 22ID-30-L850-SWD

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|-----|-----|-----|-----|-----|-------|-----|-----|-----|-----|-----|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CATALOG NUMBER: 22ID-30-L850-SWD

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 |
| 2.5°   | 1118.6 | 1118.6 | 1118.6 | 1118.6 | 1118.6 | 1118.6 | 1118.6 | 1120.2 | 1120.2 | 1120.2 | 1120.2 |
| 5°     | 1115.5 | 1115.5 | 1113.9 | 1115.5 | 1115.5 | 1113.9 | 1115.5 | 1115.5 | 1115.5 | 1115.5 | 1117.0 |
| 7.5°   | 1109.2 | 1109.2 | 1107.6 | 1107.6 | 1107.6 | 1107.6 | 1107.6 | 1106.0 | 1107.6 | 1107.6 | 1107.6 |
| 10°    | 1099.7 | 1099.7 | 1098.1 | 1098.1 | 1098.1 | 1098.1 | 1096.6 | 1096.6 | 1098.1 | 1098.1 | 1098.1 |
| 12.5°  | 1088.7 | 1087.1 | 1085.5 | 1085.5 | 1084.0 | 1084.0 | 1084.0 | 1084.0 | 1084.0 | 1084.0 | 1084.0 |
| 15°    | 1074.5 | 1072.9 | 1071.3 | 1069.8 | 1069.8 | 1069.8 | 1066.6 | 1068.2 | 1066.6 | 1066.6 | 1068.2 |
| 17.5°  | 1058.7 | 1055.6 | 1052.4 | 1050.9 | 1050.9 | 1050.9 | 1047.7 | 1047.7 | 1046.1 | 1046.1 | 1047.7 |
| 20°    | 1036.7 | 1035.1 | 1030.4 | 1028.8 | 1028.8 | 1027.2 | 1024.1 | 1024.1 | 1024.1 | 1022.5 | 1025.7 |
| 22.5°  | 1016.2 | 1013.1 | 1006.8 | 1005.2 | 1005.2 | 1003.6 | 998.9  | 998.9  | 998.9  | 998.9  | 998.9  |
| 25°    | 989.4  | 986.3  | 981.5  | 976.8  | 976.8  | 975.2  | 970.5  | 970.5  | 968.9  | 968.9  | 970.5  |
| 27.5°  | 961.1  | 957.9  | 951.6  | 946.9  | 946.9  | 945.3  | 940.6  | 940.6  | 937.4  | 935.9  | 939.0  |
| 30°    | 931.1  | 928.0  | 921.7  | 916.9  | 915.4  | 913.8  | 909.1  | 909.1  | 904.3  | 904.3  | 907.5  |
| 32.5°  | 904.3  | 896.5  | 888.6  | 883.9  | 882.3  | 880.7  | 876.0  | 874.4  | 871.3  | 869.7  | 871.3  |
| 35°    | 871.3  | 860.2  | 855.5  | 849.2  | 847.6  | 846.1  | 841.3  | 836.6  | 835.0  | 833.4  | 835.0  |
| 37.5°  | 836.6  | 825.6  | 819.3  | 813.0  | 811.4  | 808.2  | 801.9  | 798.8  | 797.2  | 797.2  | 798.8  |
| 40°    | 795.6  | 789.3  | 781.5  | 773.6  | 772.0  | 770.4  | 764.1  | 762.5  | 759.4  | 757.8  | 761.0  |
| 42.5°  | 757.8  | 749.9  | 742.1  | 734.2  | 734.2  | 732.6  | 726.3  | 723.2  | 720.0  | 718.4  | 720.0  |
| 45°    | 716.9  | 709.0  | 701.1  | 694.8  | 693.2  | 688.5  | 685.3  | 682.2  | 679.0  | 677.5  | 679.0  |
| 47.5°  | 674.3  | 666.4  | 660.1  | 652.3  | 650.7  | 649.1  | 644.4  | 641.2  | 636.5  | 638.1  | 638.1  |
| 50°    | 633.4  | 625.5  | 617.6  | 611.3  | 608.1  | 603.4  | 603.4  | 600.3  | 594.0  | 592.4  | 595.5  |
| 52.5°  | 590.8  | 582.9  | 575.1  | 568.8  | 567.2  | 562.5  | 557.7  | 556.2  | 553.0  | 554.6  | 553.0  |
| 55°    | 548.3  | 538.8  | 530.9  | 526.2  | 523.1  | 519.9  | 516.8  | 513.6  | 508.9  | 512.0  | 512.0  |
| 57.5°  | 501.0  | 493.1  | 488.4  | 482.1  | 480.5  | 479.0  | 472.7  | 471.1  | 466.4  | 467.9  | 466.4  |
| 60°    | 458.5  | 450.6  | 445.9  | 439.6  | 438.0  | 433.3  | 430.1  | 428.5  | 423.8  | 427.0  | 423.8  |
| 62.5°  | 417.5  | 404.9  | 398.6  | 392.3  | 392.3  | 389.2  | 386.0  | 382.8  | 378.1  | 376.5  | 376.5  |
| 65°    | 370.2  | 362.4  | 357.6  | 351.3  | 351.3  | 348.2  | 345.0  | 341.9  | 337.2  | 335.6  | 338.7  |
| 67.5°  | 327.7  | 323.0  | 315.1  | 310.4  | 310.4  | 307.2  | 304.1  | 302.5  | 297.8  | 296.2  | 297.8  |
| 70°    | 288.3  | 283.6  | 275.7  | 271.0  | 271.0  | 269.4  | 264.7  | 263.1  | 258.4  | 256.8  | 255.2  |
| 72.5°  | 248.9  | 241.1  | 237.9  | 233.2  | 233.2  | 231.6  | 226.9  | 225.3  | 220.6  | 219.0  | 217.4  |
| 75°    | 209.5  | 206.4  | 200.1  | 196.9  | 198.5  | 193.8  | 192.2  | 189.1  | 184.3  | 182.8  | 182.8  |
| 77.5°  | 173.3  | 171.7  | 165.4  | 162.3  | 162.3  | 159.1  | 157.6  | 154.4  | 152.8  | 149.7  | 148.1  |
| 80°    | 141.8  | 140.2  | 133.9  | 130.8  | 130.8  | 127.6  | 124.5  | 122.9  | 118.2  | 115.0  | 115.0  |
| 82.5°  | 113.4  | 110.3  | 105.6  | 102.4  | 100.8  | 99.3   | 96.1   | 93.0   | 88.2   | 86.7   | 83.5   |
| 85°    | 85.1   | 83.5   | 78.8   | 77.2   | 74.0   | 74.0   | 70.9   | 67.7   | 63.0   | 61.4   | 59.9   |
| 87.5°  | 59.9   | 59.9   | 55.1   | 53.6   | 52.0   | 50.4   | 47.3   | 45.7   | 41.0   | 39.4   | 36.2   |
| 90°    | 37.8   | 37.8   | 34.7   | 33.1   | 31.5   | 29.9   | 28.4   | 26.8   | 23.6   | 22.1   | 18.9   |
| 92.5°  | 17.3   | 17.3   | 15.8   | 14.2   | 14.2   | 14.2   | 12.6   | 12.6   | 11.0   | 9.5    | 7.9    |
| 95°    | 1.6    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



TEST NUMBER: P571924

CATALOG NUMBER: 22ID-30-L850-SWD

**CANDELA DISTRIBUTION (continued):**

|        | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|--------|-----|-----|-----|-----|-------|-----|-----|-----|-----|-----|-----|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TEST NUMBER: P571924

CATALOG NUMBER: 22ID-30-L850-SWD

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 |
| 2.5°   | 1120.2 | 1120.2 | 1118.6 | 1120.2 | 1118.6 | 1118.6 | 1120.2 | 1120.2 | 1120.2 | 1120.2 | 1120.2 |
| 5°     | 1117.0 | 1115.5 | 1115.5 | 1115.5 | 1113.9 | 1115.5 | 1117.0 | 1117.0 | 1117.0 | 1117.0 | 1117.0 |
| 7.5°   | 1107.6 | 1107.6 | 1107.6 | 1107.6 | 1107.6 | 1107.6 | 1109.2 | 1109.2 | 1110.7 | 1110.7 | 1112.3 |
| 10°    | 1098.1 | 1098.1 | 1098.1 | 1098.1 | 1098.1 | 1099.7 | 1099.7 | 1102.9 | 1102.9 | 1104.4 | 1106.0 |
| 12.5°  | 1084.0 | 1084.0 | 1084.0 | 1085.5 | 1085.5 | 1087.1 | 1088.7 | 1090.3 | 1091.8 | 1095.0 | 1095.0 |
| 15°    | 1068.2 | 1068.2 | 1068.2 | 1069.8 | 1069.8 | 1071.3 | 1074.5 | 1076.1 | 1079.2 | 1082.4 | 1082.4 |
| 17.5°  | 1049.3 | 1049.3 | 1047.7 | 1050.9 | 1050.9 | 1052.4 | 1057.2 | 1058.7 | 1061.9 | 1065.0 | 1066.6 |
| 20°    | 1025.7 | 1025.7 | 1025.7 | 1028.8 | 1028.8 | 1032.0 | 1035.1 | 1038.3 | 1043.0 | 1047.7 | 1049.3 |
| 22.5°  | 1000.5 | 1000.5 | 1003.6 | 1005.2 | 1005.2 | 1009.9 | 1013.1 | 1017.8 | 1020.9 | 1025.7 | 1028.8 |
| 25°    | 970.5  | 973.7  | 973.7  | 976.8  | 980.0  | 981.5  | 987.8  | 991.0  | 995.7  | 1002.0 | 1005.2 |
| 27.5°  | 942.2  | 943.7  | 946.9  | 946.9  | 950.0  | 951.6  | 959.5  | 961.1  | 967.4  | 975.2  | 978.4  |
| 30°    | 905.9  | 910.6  | 910.6  | 915.4  | 918.5  | 921.7  | 928.0  | 931.1  | 937.4  | 945.3  | 951.6  |
| 32.5°  | 872.8  | 877.6  | 880.7  | 880.7  | 885.4  | 888.6  | 896.5  | 899.6  | 907.5  | 913.8  | 921.7  |
| 35°    | 838.2  | 841.3  | 844.5  | 846.1  | 849.2  | 853.9  | 861.8  | 865.0  | 872.8  | 880.7  | 888.6  |
| 37.5°  | 798.8  | 805.1  | 808.2  | 808.2  | 811.4  | 814.5  | 824.0  | 828.7  | 836.6  | 844.5  | 852.4  |
| 40°    | 762.5  | 765.7  | 768.9  | 770.4  | 775.2  | 776.7  | 786.2  | 790.9  | 797.2  | 808.2  | 814.5  |
| 42.5°  | 721.6  | 724.7  | 729.5  | 729.5  | 731.0  | 740.5  | 745.2  | 749.9  | 757.8  | 768.9  | 778.3  |
| 45°    | 680.6  | 683.8  | 688.5  | 690.1  | 690.1  | 698.0  | 704.3  | 709.0  | 716.9  | 727.9  | 737.3  |
| 47.5°  | 638.1  | 641.2  | 646.0  | 646.0  | 647.5  | 655.4  | 661.7  | 666.4  | 674.3  | 685.3  | 693.2  |
| 50°    | 597.1  | 600.3  | 603.4  | 603.4  | 605.0  | 608.1  | 617.6  | 622.3  | 630.2  | 641.2  | 649.1  |
| 52.5°  | 554.6  | 556.2  | 560.9  | 560.9  | 560.9  | 567.2  | 573.5  | 578.2  | 586.1  | 597.1  | 601.8  |
| 55°    | 510.5  | 512.0  | 516.8  | 518.3  | 518.3  | 524.6  | 529.4  | 534.1  | 540.4  | 548.3  | 559.3  |
| 57.5°  | 464.8  | 469.5  | 472.7  | 472.7  | 475.8  | 479.0  | 485.3  | 486.8  | 497.9  | 502.6  | 510.5  |
| 60°    | 423.8  | 427.0  | 430.1  | 430.1  | 428.5  | 434.8  | 439.6  | 442.7  | 447.4  | 458.5  | 464.8  |
| 62.5°  | 378.1  | 379.7  | 382.8  | 382.8  | 384.4  | 387.6  | 390.7  | 397.0  | 398.6  | 404.9  | 417.5  |
| 65°    | 337.2  | 337.2  | 338.7  | 340.3  | 340.3  | 343.5  | 346.6  | 351.3  | 352.9  | 357.6  | 367.1  |
| 67.5°  | 294.6  | 296.2  | 297.8  | 297.8  | 297.8  | 299.3  | 302.5  | 307.2  | 308.8  | 312.0  | 319.8  |
| 70°    | 253.7  | 255.2  | 256.8  | 256.8  | 256.8  | 256.8  | 260.0  | 264.7  | 264.7  | 267.8  | 272.6  |
| 72.5°  | 215.8  | 215.8  | 217.4  | 217.4  | 217.4  | 217.4  | 217.4  | 222.1  | 220.6  | 225.3  | 228.4  |
| 75°    | 179.6  | 178.0  | 178.0  | 179.6  | 178.0  | 178.0  | 178.0  | 181.2  | 181.2  | 181.2  | 185.9  |
| 77.5°  | 143.4  | 143.4  | 141.8  | 140.2  | 140.2  | 140.2  | 140.2  | 141.8  | 143.4  | 144.9  | 144.9  |
| 80°    | 110.3  | 108.7  | 108.7  | 107.1  | 105.6  | 105.6  | 104.0  | 107.1  | 104.0  | 108.7  | 108.7  |
| 82.5°  | 80.4   | 78.8   | 77.2   | 75.6   | 75.6   | 74.0   | 72.5   | 74.0   | 74.0   | 74.0   | 77.2   |
| 85°    | 55.1   | 52.0   | 52.0   | 48.8   | 48.8   | 47.3   | 47.3   | 48.8   | 47.3   | 48.8   | 50.4   |
| 87.5°  | 33.1   | 31.5   | 29.9   | 26.8   | 26.8   | 26.8   | 25.2   | 26.8   | 26.8   | 28.4   | 29.9   |
| 90°    | 15.8   | 14.2   | 12.6   | 12.6   | 11.0   | 11.0   | 11.0   | 12.6   | 12.6   | 14.2   | 17.3   |
| 92.5°  | 6.3    | 4.7    | 4.7    | 3.2    | 3.2    | 3.2    | 4.7    | 6.3    | 7.9    | 9.5    | 11.0   |
| 95°    | 1.6    | 1.6    | 1.6    | 1.6    | 0.0    | 1.6    | 1.6    | 3.2    | 4.7    | 6.3    | 7.9    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.6    | 1.6    | 3.2    | 3.2    | 4.7    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.6    | 1.6    | 3.2    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.6    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P571924

CATALOG NUMBER: 22ID-30-L850-SWD

**CANDELA DISTRIBUTION (continued):**

|        | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|--------|------|------|------|--------|------|------|------|------|------|------|------|
| 112.5° | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

TEST NUMBER: P571924

CATALOG NUMBER: 22ID-30-L850-SWD

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 |
| 2.5°   | 1120.2 | 1120.2 | 1120.2 | 1120.2 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 |
| 5°     | 1117.0 | 1118.6 | 1118.6 | 1118.6 | 1118.6 | 1120.2 | 1120.2 | 1120.2 | 1120.2 | 1120.2 | 1118.6 |
| 7.5°   | 1112.3 | 1113.9 | 1113.9 | 1113.9 | 1113.9 | 1115.5 | 1115.5 | 1115.5 | 1115.5 | 1115.5 | 1113.9 |
| 10°    | 1106.0 | 1106.0 | 1107.6 | 1109.2 | 1109.2 | 1110.7 | 1110.7 | 1112.3 | 1110.7 | 1110.7 | 1109.2 |
| 12.5°  | 1096.6 | 1098.1 | 1099.7 | 1099.7 | 1101.3 | 1102.9 | 1102.9 | 1104.4 | 1102.9 | 1102.9 | 1101.3 |
| 15°    | 1085.5 | 1087.1 | 1088.7 | 1090.3 | 1091.8 | 1091.8 | 1093.4 | 1093.4 | 1091.8 | 1091.8 | 1090.3 |
| 17.5°  | 1071.3 | 1072.9 | 1074.5 | 1076.1 | 1079.2 | 1079.2 | 1080.8 | 1080.8 | 1080.8 | 1079.2 | 1077.7 |
| 20°    | 1052.4 | 1055.6 | 1058.7 | 1060.3 | 1061.9 | 1065.0 | 1065.0 | 1065.0 | 1065.0 | 1065.0 | 1063.5 |
| 22.5°  | 1033.5 | 1036.7 | 1039.8 | 1041.4 | 1046.1 | 1047.7 | 1047.7 | 1049.3 | 1049.3 | 1047.7 | 1046.1 |
| 25°    | 1009.9 | 1014.6 | 1017.8 | 1019.4 | 1024.1 | 1025.7 | 1027.2 | 1027.2 | 1025.7 | 1025.7 | 1022.5 |
| 27.5°  | 986.3  | 992.6  | 992.6  | 995.7  | 1000.5 | 1000.5 | 1005.2 | 1003.6 | 1005.2 | 1002.0 | 998.9  |
| 30°    | 957.9  | 964.2  | 965.8  | 968.9  | 972.1  | 975.2  | 980.0  | 980.0  | 981.5  | 976.8  | 973.7  |
| 32.5°  | 929.6  | 935.9  | 937.4  | 940.6  | 943.7  | 946.9  | 951.6  | 951.6  | 953.2  | 950.0  | 946.9  |
| 35°    | 893.3  | 904.3  | 905.9  | 909.1  | 913.8  | 916.9  | 921.7  | 921.7  | 923.3  | 921.7  | 915.4  |
| 37.5°  | 858.7  | 869.7  | 871.3  | 876.0  | 882.3  | 885.4  | 888.6  | 888.6  | 891.7  | 887.0  | 883.9  |
| 40°    | 825.6  | 833.4  | 835.0  | 839.7  | 847.6  | 847.6  | 853.9  | 853.9  | 852.4  | 852.4  | 847.6  |
| 42.5°  | 786.2  | 794.1  | 797.2  | 801.9  | 808.2  | 814.5  | 817.7  | 816.1  | 816.1  | 819.3  | 814.5  |
| 45°    | 745.2  | 754.7  | 756.2  | 761.0  | 767.3  | 773.6  | 778.3  | 776.7  | 776.7  | 778.3  | 772.0  |
| 47.5°  | 702.7  | 710.6  | 712.1  | 718.4  | 724.7  | 727.9  | 735.8  | 738.9  | 735.8  | 737.3  | 731.0  |
| 50°    | 655.4  | 666.4  | 669.6  | 674.3  | 682.2  | 685.3  | 693.2  | 696.4  | 693.2  | 691.7  | 686.9  |
| 52.5°  | 614.5  | 623.9  | 623.9  | 630.2  | 636.5  | 644.4  | 649.1  | 652.3  | 649.1  | 647.5  | 647.5  |
| 55°    | 567.2  | 576.6  | 578.2  | 581.4  | 589.2  | 597.1  | 601.8  | 606.6  | 603.4  | 605.0  | 601.8  |
| 57.5°  | 519.9  | 527.8  | 529.4  | 534.1  | 540.4  | 549.9  | 553.0  | 557.7  | 557.7  | 556.2  | 549.9  |
| 60°    | 472.7  | 480.5  | 482.1  | 486.8  | 491.6  | 497.9  | 505.7  | 510.5  | 507.3  | 508.9  | 501.0  |
| 62.5°  | 425.4  | 431.7  | 434.8  | 436.4  | 444.3  | 452.2  | 455.3  | 455.3  | 461.6  | 460.0  | 453.7  |
| 65°    | 373.4  | 379.7  | 381.3  | 384.4  | 390.7  | 398.6  | 403.3  | 403.3  | 406.5  | 406.5  | 400.2  |
| 67.5°  | 326.1  | 332.4  | 334.0  | 335.6  | 341.9  | 351.3  | 352.9  | 354.5  | 356.1  | 356.1  | 351.3  |
| 70°    | 278.9  | 285.2  | 286.7  | 289.9  | 293.0  | 302.5  | 304.1  | 305.6  | 310.4  | 308.8  | 304.1  |
| 72.5°  | 234.8  | 239.5  | 241.1  | 242.6  | 245.8  | 255.2  | 256.8  | 258.4  | 263.1  | 263.1  | 263.1  |
| 75°    | 190.6  | 195.4  | 196.9  | 196.9  | 201.7  | 209.5  | 212.7  | 214.3  | 217.4  | 219.0  | 219.0  |
| 77.5°  | 149.7  | 152.8  | 152.8  | 154.4  | 159.1  | 167.0  | 170.2  | 173.3  | 174.9  | 176.5  | 178.0  |
| 80°    | 111.9  | 115.0  | 116.6  | 118.2  | 121.3  | 127.6  | 130.8  | 135.5  | 137.1  | 138.6  | 140.2  |
| 82.5°  | 78.8   | 81.9   | 81.9   | 85.1   | 88.2   | 94.5   | 97.7   | 102.4  | 104.0  | 107.1  | 108.7  |
| 85°    | 52.0   | 56.7   | 58.3   | 58.3   | 63.0   | 67.7   | 72.5   | 75.6   | 78.8   | 80.4   | 83.5   |
| 87.5°  | 33.1   | 36.2   | 39.4   | 41.0   | 44.1   | 48.8   | 52.0   | 55.1   | 58.3   | 61.4   | 64.6   |
| 90°    | 20.5   | 23.6   | 25.2   | 28.4   | 31.5   | 34.7   | 37.8   | 42.5   | 44.1   | 47.3   | 50.4   |
| 92.5°  | 14.2   | 17.3   | 18.9   | 18.9   | 22.1   | 25.2   | 28.4   | 31.5   | 33.1   | 34.7   | 36.2   |
| 95°    | 9.5    | 12.6   | 12.6   | 14.2   | 15.8   | 18.9   | 20.5   | 22.1   | 23.6   | 23.6   | 23.6   |
| 97.5°  | 6.3    | 7.9    | 9.5    | 9.5    | 11.0   | 12.6   | 14.2   | 14.2   | 15.8   | 15.8   | 15.8   |
| 100°   | 3.2    | 4.7    | 4.7    | 6.3    | 6.3    | 7.9    | 9.5    | 9.5    | 9.5    | 9.5    | 9.5    |
| 102.5° | 1.6    | 3.2    | 3.2    | 3.2    | 4.7    | 4.7    | 4.7    | 6.3    | 6.3    | 6.3    | 6.3    |
| 105°   | 0.0    | 1.6    | 1.6    | 1.6    | 1.6    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.6    | 1.6    | 1.6    | 1.6    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P571924

CATALOG NUMBER: 22ID-30-L850-SWD

**CANDELA DISTRIBUTION (continued):**

|        | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° | 185° | 190° | 195° |
|--------|------|------|--------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

TEST NUMBER: P571924

CATALOG NUMBER: 22ID-30-L850-SWD

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 |
| 2.5°   | 1120.2 | 1120.2 | 1120.2 | 1120.2 | 1120.2 | 1120.2 | 1120.2 | 1120.2 | 1120.2 | 1120.2 | 1120.2 |
| 5°     | 1118.6 | 1117.0 | 1117.0 | 1117.0 | 1117.0 | 1117.0 | 1117.0 | 1117.0 | 1117.0 | 1117.0 | 1117.0 |
| 7.5°   | 1113.9 | 1113.9 | 1113.9 | 1112.3 | 1112.3 | 1112.3 | 1112.3 | 1110.7 | 1110.7 | 1109.2 | 1109.2 |
| 10°    | 1109.2 | 1107.6 | 1107.6 | 1106.0 | 1106.0 | 1106.0 | 1104.4 | 1104.4 | 1102.9 | 1101.3 | 1101.3 |
| 12.5°  | 1099.7 | 1099.7 | 1098.1 | 1098.1 | 1096.6 | 1095.0 | 1093.4 | 1091.8 | 1090.3 | 1090.3 | 1087.1 |
| 15°    | 1088.7 | 1087.1 | 1087.1 | 1084.0 | 1084.0 | 1082.4 | 1079.2 | 1077.7 | 1076.1 | 1074.5 | 1071.3 |
| 17.5°  | 1076.1 | 1072.9 | 1072.9 | 1071.3 | 1069.8 | 1066.6 | 1063.5 | 1061.9 | 1058.7 | 1057.2 | 1055.6 |
| 20°    | 1060.3 | 1058.7 | 1058.7 | 1054.0 | 1050.9 | 1047.7 | 1044.6 | 1041.4 | 1039.8 | 1035.1 | 1032.0 |
| 22.5°  | 1043.0 | 1039.8 | 1039.8 | 1036.7 | 1032.0 | 1028.8 | 1022.5 | 1019.4 | 1016.2 | 1011.5 | 1008.3 |
| 25°    | 1019.4 | 1016.2 | 1016.2 | 1011.5 | 1006.8 | 1003.6 | 997.3  | 992.6  | 987.8  | 983.1  | 983.1  |
| 27.5°  | 995.7  | 992.6  | 991.0  | 986.3  | 981.5  | 976.8  | 970.5  | 964.2  | 961.1  | 956.3  | 953.2  |
| 30°    | 968.9  | 965.8  | 965.8  | 959.5  | 954.8  | 948.5  | 940.6  | 934.3  | 928.0  | 924.8  | 921.7  |
| 32.5°  | 942.2  | 940.6  | 935.9  | 931.1  | 924.8  | 918.5  | 909.1  | 902.8  | 896.5  | 891.7  | 888.6  |
| 35°    | 912.2  | 910.6  | 905.9  | 901.2  | 893.3  | 885.4  | 876.0  | 869.7  | 863.4  | 858.7  | 853.9  |
| 37.5°  | 879.1  | 877.6  | 872.8  | 865.0  | 860.2  | 850.8  | 841.3  | 833.4  | 828.7  | 822.4  | 816.1  |
| 40°    | 844.5  | 841.3  | 836.6  | 830.3  | 824.0  | 814.5  | 803.5  | 797.2  | 790.9  | 784.6  | 778.3  |
| 42.5°  | 806.7  | 805.1  | 800.4  | 790.9  | 784.6  | 776.7  | 765.7  | 757.8  | 751.5  | 743.6  | 740.5  |
| 45°    | 767.3  | 767.3  | 762.5  | 754.7  | 745.2  | 735.8  | 726.3  | 718.4  | 710.6  | 704.3  | 698.0  |
| 47.5°  | 726.3  | 726.3  | 720.0  | 713.7  | 704.3  | 694.8  | 683.8  | 675.9  | 668.0  | 663.3  | 657.0  |
| 50°    | 683.8  | 682.2  | 679.0  | 668.0  | 661.7  | 652.3  | 641.2  | 634.9  | 627.1  | 620.8  | 614.5  |
| 52.5°  | 639.7  | 638.1  | 634.9  | 623.9  | 617.6  | 608.1  | 597.1  | 590.8  | 584.5  | 576.6  | 571.9  |
| 55°    | 594.0  | 592.4  | 586.1  | 582.9  | 571.9  | 564.0  | 553.0  | 548.3  | 538.8  | 532.5  | 527.8  |
| 57.5°  | 545.1  | 545.1  | 540.4  | 534.1  | 524.6  | 516.8  | 507.3  | 501.0  | 493.1  | 488.4  | 483.7  |
| 60°    | 497.9  | 497.9  | 494.7  | 486.8  | 479.0  | 471.1  | 461.6  | 456.9  | 449.0  | 445.9  | 441.1  |
| 62.5°  | 450.6  | 450.6  | 444.3  | 439.6  | 431.7  | 423.8  | 415.9  | 404.9  | 400.2  | 395.5  | 392.3  |
| 65°    | 397.0  | 397.0  | 390.7  | 389.2  | 381.3  | 373.4  | 367.1  | 363.9  | 357.6  | 352.9  | 348.2  |
| 67.5°  | 349.8  | 349.8  | 343.5  | 341.9  | 335.6  | 329.3  | 321.4  | 319.8  | 312.0  | 310.4  | 305.6  |
| 70°    | 302.5  | 304.1  | 299.3  | 294.6  | 289.9  | 285.2  | 278.9  | 274.1  | 269.4  | 267.8  | 264.7  |
| 72.5°  | 256.8  | 255.2  | 255.2  | 252.1  | 247.4  | 242.6  | 237.9  | 234.8  | 230.0  | 228.4  | 225.3  |
| 75°    | 214.3  | 212.7  | 211.1  | 211.1  | 206.4  | 201.7  | 198.5  | 196.9  | 192.2  | 189.1  | 187.5  |
| 77.5°  | 173.3  | 174.9  | 174.9  | 171.7  | 168.6  | 165.4  | 163.9  | 160.7  | 156.0  | 154.4  | 152.8  |
| 80°    | 137.1  | 138.6  | 138.6  | 135.5  | 133.9  | 130.8  | 127.6  | 127.6  | 122.9  | 122.9  | 121.3  |
| 82.5°  | 105.6  | 105.6  | 105.6  | 105.6  | 102.4  | 100.8  | 100.8  | 96.1   | 96.1   | 94.5   | 93.0   |
| 85°    | 81.9   | 81.9   | 81.9   | 83.5   | 81.9   | 80.4   | 80.4   | 77.2   | 75.6   | 74.0   | 72.5   |
| 87.5°  | 66.2   | 66.2   | 67.7   | 67.7   | 67.7   | 66.2   | 66.2   | 64.6   | 63.0   | 59.9   | 58.3   |
| 90°    | 50.4   | 52.0   | 52.0   | 53.6   | 53.6   | 53.6   | 52.0   | 50.4   | 48.8   | 47.3   | 45.7   |
| 92.5°  | 37.8   | 37.8   | 39.4   | 39.4   | 39.4   | 39.4   | 39.4   | 37.8   | 36.2   | 36.2   | 34.7   |
| 95°    | 23.6   | 25.2   | 25.2   | 25.2   | 26.8   | 26.8   | 26.8   | 26.8   | 25.2   | 23.6   | 23.6   |
| 97.5°  | 15.8   | 14.2   | 14.2   | 14.2   | 14.2   | 15.8   | 15.8   | 15.8   | 14.2   | 14.2   | 14.2   |
| 100°   | 9.5    | 7.9    | 7.9    | 6.3    | 6.3    | 6.3    | 6.3    | 6.3    | 6.3    | 6.3    | 7.9    |
| 102.5° | 4.7    | 4.7    | 4.7    | 3.2    | 3.2    | 1.6    | 1.6    | 1.6    | 1.6    | 3.2    | 4.7    |
| 105°   | 1.6    | 1.6    | 1.6    | 1.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.6    | 1.6    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P571924

CATALOG NUMBER: 22ID-30-L850-SWD

**CANDELA DISTRIBUTION (continued):**

|        | 200° | 202.5° | 205° | 210° | 215° | 220° | 225° | 230° | 235° | 240° | 245° |
|--------|------|--------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

TEST NUMBER: P571924

CATALOG NUMBER: 22ID-30-L850-SWD

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 |
| 2.5°   | 1120.2 | 1120.2 | 1120.2 | 1120.2 | 1120.2 | 1121.8 | 1120.2 | 1121.8 | 1120.2 | 1120.2 | 1120.2 |
| 5°     | 1117.0 | 1117.0 | 1117.0 | 1117.0 | 1117.0 | 1117.0 | 1117.0 | 1117.0 | 1117.0 | 1117.0 | 1115.5 |
| 7.5°   | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 |
| 10°    | 1101.3 | 1101.3 | 1101.3 | 1099.7 | 1101.3 | 1101.3 | 1099.7 | 1101.3 | 1099.7 | 1101.3 | 1101.3 |
| 12.5°  | 1088.7 | 1087.1 | 1087.1 | 1087.1 | 1087.1 | 1087.1 | 1087.1 | 1087.1 | 1087.1 | 1087.1 | 1088.7 |
| 15°    | 1072.9 | 1072.9 | 1071.3 | 1071.3 | 1069.8 | 1069.8 | 1069.8 | 1069.8 | 1071.3 | 1071.3 | 1072.9 |
| 17.5°  | 1054.0 | 1054.0 | 1054.0 | 1050.9 | 1052.4 | 1049.3 | 1050.9 | 1050.9 | 1052.4 | 1052.4 | 1054.0 |
| 20°    | 1032.0 | 1030.4 | 1030.4 | 1028.8 | 1027.2 | 1027.2 | 1028.8 | 1028.8 | 1032.0 | 1032.0 | 1033.5 |
| 22.5°  | 1008.3 | 1006.8 | 1006.8 | 1003.6 | 1002.0 | 1002.0 | 1003.6 | 1005.2 | 1008.3 | 1006.8 | 1009.9 |
| 25°    | 980.0  | 978.4  | 978.4  | 973.7  | 976.8  | 975.2  | 973.7  | 976.8  | 978.4  | 978.4  | 981.5  |
| 27.5°  | 950.0  | 948.5  | 946.9  | 945.3  | 945.3  | 945.3  | 943.7  | 943.7  | 948.5  | 948.5  | 951.6  |
| 30°    | 918.5  | 916.9  | 915.4  | 913.8  | 912.2  | 912.2  | 910.6  | 912.2  | 915.4  | 918.5  | 920.1  |
| 32.5°  | 885.4  | 883.9  | 879.1  | 879.1  | 879.1  | 877.6  | 877.6  | 879.1  | 882.3  | 883.9  | 887.0  |
| 35°    | 849.2  | 847.6  | 844.5  | 841.3  | 842.9  | 842.9  | 841.3  | 844.5  | 847.6  | 852.4  | 852.4  |
| 37.5°  | 813.0  | 811.4  | 808.2  | 808.2  | 805.1  | 805.1  | 803.5  | 805.1  | 811.4  | 813.0  | 816.1  |
| 40°    | 773.6  | 773.6  | 770.4  | 767.3  | 767.3  | 767.3  | 765.7  | 767.3  | 770.4  | 778.3  | 778.3  |
| 42.5°  | 735.8  | 734.2  | 729.5  | 727.9  | 726.3  | 726.3  | 726.3  | 729.5  | 729.5  | 738.9  | 738.9  |
| 45°    | 694.8  | 693.2  | 688.5  | 686.9  | 686.9  | 685.3  | 685.3  | 688.5  | 690.1  | 698.0  | 698.0  |
| 47.5°  | 652.3  | 650.7  | 646.0  | 646.0  | 646.0  | 644.4  | 642.8  | 646.0  | 649.1  | 655.4  | 657.0  |
| 50°    | 611.3  | 608.1  | 605.0  | 603.4  | 601.8  | 601.8  | 600.3  | 605.0  | 608.1  | 614.5  | 612.9  |
| 52.5°  | 567.2  | 567.2  | 564.0  | 560.9  | 560.9  | 560.9  | 559.3  | 564.0  | 564.0  | 570.3  | 571.9  |
| 55°    | 524.6  | 521.5  | 519.9  | 518.3  | 516.8  | 516.8  | 516.8  | 519.9  | 519.9  | 527.8  | 527.8  |
| 57.5°  | 479.0  | 479.0  | 474.2  | 474.2  | 474.2  | 472.7  | 472.7  | 474.2  | 477.4  | 483.7  | 483.7  |
| 60°    | 436.4  | 436.4  | 430.1  | 431.7  | 430.1  | 430.1  | 430.1  | 431.7  | 433.3  | 439.6  | 439.6  |
| 62.5°  | 389.2  | 386.0  | 384.4  | 382.8  | 382.8  | 382.8  | 384.4  | 384.4  | 386.0  | 392.3  | 392.3  |
| 65°    | 346.6  | 343.5  | 341.9  | 341.9  | 340.3  | 340.3  | 340.3  | 341.9  | 343.5  | 348.2  | 348.2  |
| 67.5°  | 304.1  | 300.9  | 299.3  | 299.3  | 297.8  | 299.3  | 299.3  | 299.3  | 300.9  | 305.6  | 305.6  |
| 70°    | 263.1  | 261.5  | 256.8  | 258.4  | 256.8  | 258.4  | 258.4  | 256.8  | 258.4  | 263.1  | 263.1  |
| 72.5°  | 223.7  | 222.1  | 219.0  | 219.0  | 217.4  | 217.4  | 215.8  | 215.8  | 217.4  | 222.1  | 222.1  |
| 75°    | 185.9  | 182.8  | 181.2  | 181.2  | 179.6  | 176.5  | 179.6  | 178.0  | 178.0  | 182.8  | 182.8  |
| 77.5°  | 152.8  | 151.2  | 149.7  | 146.5  | 144.9  | 143.4  | 143.4  | 141.8  | 141.8  | 144.9  | 143.4  |
| 80°    | 119.7  | 116.6  | 115.0  | 115.0  | 113.4  | 111.9  | 110.3  | 108.7  | 108.7  | 110.3  | 110.3  |
| 82.5°  | 91.4   | 89.8   | 88.2   | 88.2   | 85.1   | 83.5   | 83.5   | 80.4   | 81.9   | 80.4   | 81.9   |
| 85°    | 72.5   | 69.3   | 67.7   | 66.2   | 64.6   | 61.4   | 61.4   | 58.3   | 58.3   | 56.7   | 56.7   |
| 87.5°  | 56.7   | 56.7   | 52.0   | 50.4   | 48.8   | 45.7   | 42.5   | 41.0   | 41.0   | 37.8   | 37.8   |
| 90°    | 44.1   | 44.1   | 41.0   | 39.4   | 36.2   | 33.1   | 31.5   | 28.4   | 26.8   | 25.2   | 23.6   |
| 92.5°  | 33.1   | 33.1   | 29.9   | 28.4   | 26.8   | 25.2   | 23.6   | 22.1   | 20.5   | 17.3   | 17.3   |
| 95°    | 23.6   | 22.1   | 20.5   | 20.5   | 18.9   | 18.9   | 17.3   | 15.8   | 14.2   | 12.6   | 12.6   |
| 97.5°  | 14.2   | 14.2   | 14.2   | 14.2   | 14.2   | 12.6   | 11.0   | 11.0   | 9.5    | 7.9    | 7.9    |
| 100°   | 7.9    | 7.9    | 7.9    | 9.5    | 7.9    | 7.9    | 7.9    | 6.3    | 6.3    | 4.7    | 4.7    |
| 102.5° | 4.7    | 4.7    | 4.7    | 4.7    | 4.7    | 4.7    | 4.7    | 4.7    | 4.7    | 3.2    | 3.2    |
| 105°   | 1.6    | 1.6    | 1.6    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 1.6    | 1.6    | 1.6    |
| 107.5° | 0.0    | 0.0    | 0.0    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



TEST NUMBER: P571924

CATALOG NUMBER: 22ID-30-L850-SWD

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250° | 255° | 260° | 265° | 270° | 275° | 280° | 285° | 290° | 292.5° |
|--------|--------|------|------|------|------|------|------|------|------|------|--------|
| 112.5° | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    |
| 115°   | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    |
| 117.5° | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    |
| 120°   | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    |
| 122.5° | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    |
| 125°   | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    |
| 127.5° | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    |
| 130°   | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    |
| 132.5° | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    |
| 135°   | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    |
| 137.5° | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    |
| 140°   | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    |
| 142.5° | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    |
| 145°   | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    |
| 147.5° | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    |
| 150°   | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    |
| 152.5° | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    |
| 155°   | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    |
| 157.5° | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    |
| 160°   | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    |
| 162.5° | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    |
| 165°   | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    |
| 167.5° | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    |
| 170°   | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    |
| 172.5° | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    |
| 175°   | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    |
| 177.5° | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    |
| 180°   | 0.0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    |

TEST NUMBER: P571924

CATALOG NUMBER: 22ID-30-L850-SWD

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 | 1121.8 |
| 2.5°   | 1120.2 | 1120.2 | 1120.2 | 1120.2 | 1120.2 | 1120.2 | 1120.2 | 1120.2 | 1120.2 | 1120.2 | 1121.8 |
| 5°     | 1117.0 | 1117.0 | 1117.0 | 1117.0 | 1118.6 | 1118.6 | 1118.6 | 1118.6 | 1118.6 | 1118.6 | 1118.6 |
| 7.5°   | 1109.2 | 1109.2 | 1110.7 | 1110.7 | 1112.3 | 1112.3 | 1112.3 | 1113.9 | 1113.9 | 1113.9 | 1113.9 |
| 10°    | 1101.3 | 1101.3 | 1102.9 | 1104.4 | 1104.4 | 1106.0 | 1106.0 | 1107.6 | 1107.6 | 1109.2 | 1109.2 |
| 12.5°  | 1088.7 | 1088.7 | 1091.8 | 1093.4 | 1093.4 | 1095.0 | 1096.6 | 1098.1 | 1098.1 | 1099.7 | 1099.7 |
| 15°    | 1072.9 | 1074.5 | 1076.1 | 1079.2 | 1080.8 | 1084.0 | 1084.0 | 1087.1 | 1088.7 | 1088.7 | 1090.3 |
| 17.5°  | 1054.0 | 1057.2 | 1060.3 | 1061.9 | 1065.0 | 1068.2 | 1069.8 | 1072.9 | 1076.1 | 1076.1 | 1077.7 |
| 20°    | 1033.5 | 1036.7 | 1041.4 | 1043.0 | 1046.1 | 1050.9 | 1052.4 | 1055.6 | 1058.7 | 1061.9 | 1061.9 |
| 22.5°  | 1011.5 | 1014.6 | 1017.8 | 1022.5 | 1025.7 | 1030.4 | 1033.5 | 1038.3 | 1043.0 | 1043.0 | 1046.1 |
| 25°    | 983.1  | 987.8  | 992.6  | 995.7  | 1000.5 | 1006.8 | 1011.5 | 1014.6 | 1020.9 | 1022.5 | 1024.1 |
| 27.5°  | 953.2  | 957.9  | 964.2  | 967.4  | 973.7  | 980.0  | 986.3  | 992.6  | 997.3  | 998.9  | 1002.0 |
| 30°    | 921.7  | 926.4  | 932.7  | 939.0  | 945.3  | 953.2  | 959.5  | 965.8  | 973.7  | 973.7  | 976.8  |
| 32.5°  | 890.2  | 896.5  | 902.8  | 907.5  | 913.8  | 923.3  | 931.1  | 937.4  | 943.7  | 946.9  | 950.0  |
| 35°    | 855.5  | 863.4  | 869.7  | 874.4  | 882.3  | 891.7  | 899.6  | 905.9  | 913.8  | 916.9  | 921.7  |
| 37.5°  | 817.7  | 824.0  | 833.4  | 839.7  | 850.8  | 855.5  | 865.0  | 871.3  | 882.3  | 885.4  | 888.6  |
| 40°    | 781.5  | 786.2  | 795.6  | 801.9  | 809.8  | 820.8  | 828.7  | 839.7  | 847.6  | 849.2  | 853.9  |
| 42.5°  | 740.5  | 749.9  | 756.2  | 762.5  | 770.4  | 781.5  | 789.3  | 800.4  | 811.4  | 813.0  | 817.7  |
| 45°    | 701.1  | 709.0  | 715.3  | 723.2  | 731.0  | 742.1  | 753.1  | 762.5  | 770.4  | 773.6  | 778.3  |
| 47.5°  | 658.6  | 668.0  | 674.3  | 683.8  | 693.2  | 701.1  | 712.1  | 721.6  | 729.5  | 731.0  | 737.3  |
| 50°    | 617.6  | 625.5  | 630.2  | 638.1  | 650.7  | 658.6  | 666.4  | 679.0  | 685.3  | 690.1  | 693.2  |
| 52.5°  | 575.1  | 579.8  | 587.7  | 598.7  | 606.6  | 616.0  | 622.3  | 633.4  | 641.2  | 644.4  | 650.7  |
| 55°    | 532.5  | 538.8  | 542.0  | 549.9  | 562.5  | 567.2  | 579.8  | 586.1  | 597.1  | 597.1  | 600.3  |
| 57.5°  | 485.3  | 493.1  | 497.9  | 508.9  | 516.8  | 523.1  | 530.9  | 540.4  | 548.3  | 549.9  | 554.6  |
| 60°    | 442.7  | 449.0  | 453.7  | 464.8  | 471.1  | 477.4  | 485.3  | 494.7  | 501.0  | 502.6  | 508.9  |
| 62.5°  | 397.0  | 400.2  | 404.9  | 417.5  | 420.7  | 428.5  | 439.6  | 445.9  | 453.7  | 455.3  | 458.5  |
| 65°    | 352.9  | 357.6  | 359.2  | 368.7  | 371.8  | 378.1  | 389.2  | 395.5  | 400.2  | 403.3  | 403.3  |
| 67.5°  | 308.8  | 312.0  | 316.7  | 324.6  | 326.1  | 332.4  | 341.9  | 348.2  | 352.9  | 356.1  | 356.1  |
| 70°    | 263.1  | 267.8  | 272.6  | 280.4  | 280.4  | 288.3  | 294.6  | 300.9  | 307.2  | 308.8  | 310.4  |
| 72.5°  | 222.1  | 226.9  | 230.0  | 236.3  | 237.9  | 244.2  | 250.5  | 256.8  | 261.5  | 263.1  | 266.3  |
| 75°    | 184.3  | 185.9  | 187.5  | 193.8  | 195.4  | 204.8  | 208.0  | 212.7  | 217.4  | 219.0  | 219.0  |
| 77.5°  | 146.5  | 148.1  | 149.7  | 154.4  | 157.6  | 162.3  | 165.4  | 170.2  | 174.9  | 173.3  | 179.6  |
| 80°    | 111.9  | 111.9  | 113.4  | 118.2  | 121.3  | 124.5  | 127.6  | 130.8  | 133.9  | 135.5  | 140.2  |
| 82.5°  | 81.9   | 80.4   | 80.4   | 85.1   | 86.7   | 86.7   | 91.4   | 94.5   | 97.7   | 100.8  | 99.3   |
| 85°    | 56.7   | 55.1   | 55.1   | 56.7   | 56.7   | 59.9   | 61.4   | 63.0   | 66.2   | 67.7   | 67.7   |
| 87.5°  | 36.2   | 34.7   | 33.1   | 34.7   | 33.1   | 34.7   | 36.2   | 37.8   | 39.4   | 41.0   | 42.5   |
| 90°    | 23.6   | 20.5   | 18.9   | 18.9   | 17.3   | 17.3   | 17.3   | 17.3   | 18.9   | 18.9   | 20.5   |
| 92.5°  | 15.8   | 14.2   | 12.6   | 11.0   | 9.5    | 7.9    | 6.3    | 6.3    | 7.9    | 7.9    | 7.9    |
| 95°    | 11.0   | 9.5    | 7.9    | 6.3    | 4.7    | 4.7    | 3.2    | 1.6    | 1.6    | 1.6    | 1.6    |
| 97.5°  | 7.9    | 6.3    | 4.7    | 4.7    | 3.2    | 1.6    | 1.6    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 4.7    | 3.2    | 3.2    | 1.6    | 1.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 3.2    | 1.6    | 1.6    | 1.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 1.6    | 1.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P571924

CATALOG NUMBER: 22ID-30-L850-SWD

**CANDELA DISTRIBUTION (continued):**

|        | 295° | 300° | 305° | 310° | 315° | 320° | 325° | 330° | 335° | 337.5° | 340° |
|--------|------|------|------|------|------|------|------|------|------|--------|------|
| 112.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  |
| 115°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  |
| 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  |
| 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0    | 0.0  |

TEST NUMBER: P571924

CATALOG NUMBER: 22ID-30-L850-SWD

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1121.8 | 1121.8 | 1121.8 | 1121.8 |
| 2.5°   | 1120.2 | 1120.2 | 1121.8 | 1120.2 |
| 5°     | 1118.6 | 1118.6 | 1120.2 | 1118.6 |
| 7.5°   | 1113.9 | 1113.9 | 1113.9 | 1113.9 |
| 10°    | 1109.2 | 1109.2 | 1110.7 | 1109.2 |
| 12.5°  | 1101.3 | 1102.9 | 1102.9 | 1102.9 |
| 15°    | 1091.8 | 1091.8 | 1091.8 | 1091.8 |
| 17.5°  | 1077.7 | 1079.2 | 1082.4 | 1080.8 |
| 20°    | 1063.5 | 1065.0 | 1068.2 | 1066.6 |
| 22.5°  | 1047.7 | 1049.3 | 1050.9 | 1049.3 |
| 25°    | 1027.2 | 1028.8 | 1030.4 | 1030.4 |
| 27.5°  | 1005.2 | 1009.9 | 1009.9 | 1008.3 |
| 30°    | 980.0  | 986.3  | 987.8  | 986.3  |
| 32.5°  | 953.2  | 959.5  | 961.1  | 959.5  |
| 35°    | 926.4  | 929.6  | 934.3  | 932.7  |
| 37.5°  | 891.7  | 898.0  | 902.8  | 902.8  |
| 40°    | 858.7  | 866.5  | 869.7  | 869.7  |
| 42.5°  | 825.6  | 828.7  | 833.4  | 833.4  |
| 45°    | 786.2  | 790.9  | 795.6  | 797.2  |
| 47.5°  | 743.6  | 749.9  | 753.1  | 754.7  |
| 50°    | 701.1  | 707.4  | 710.6  | 712.1  |
| 52.5°  | 658.6  | 661.7  | 666.4  | 668.0  |
| 55°    | 609.7  | 614.5  | 619.2  | 620.8  |
| 57.5°  | 560.9  | 567.2  | 570.3  | 571.9  |
| 60°    | 512.0  | 519.9  | 523.1  | 523.1  |
| 62.5°  | 464.8  | 469.5  | 472.7  | 471.1  |
| 65°    | 415.9  | 420.7  | 422.2  | 422.2  |
| 67.5°  | 362.4  | 368.7  | 370.2  | 370.2  |
| 70°    | 315.1  | 319.8  | 323.0  | 321.4  |
| 72.5°  | 269.4  | 274.1  | 275.7  | 275.7  |
| 75°    | 225.3  | 228.4  | 230.0  | 231.6  |
| 77.5°  | 181.2  | 185.9  | 187.5  | 190.6  |
| 80°    | 140.2  | 144.9  | 148.1  | 151.2  |
| 82.5°  | 104.0  | 107.1  | 111.9  | 113.4  |
| 85°    | 70.9   | 75.6   | 78.8   | 80.4   |
| 87.5°  | 44.1   | 47.3   | 50.4   | 53.6   |
| 90°    | 22.1   | 25.2   | 28.4   | 31.5   |
| 92.5°  | 9.5    | 11.0   | 12.6   | 15.8   |
| 95°    | 3.2    | 3.2    | 4.7    | 4.7    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P571924

CATALOG NUMBER: 22ID-30-L850-SWD

**CANDELA DISTRIBUTION (continued):**

|        | 345° | 350° | 355° | 360° |
|--------|------|------|------|------|
| 112.5° | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  |

TEST NUMBER: P571924

CATALOG NUMBER: 22ID-30-L850-SWD

**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 | 15.41            | 17.04 | 15.78 | 17.36 | 17.69 | 14.29          | 15.91 | 14.66 | 16.24 | 16.56 |
|                 | 3H   | 17.14            | 18.61 | 17.53 | 18.95 | 19.32 | 15.88          | 17.35 | 16.26 | 17.69 | 18.06 |
|                 | 4H   | 17.79            | 19.17 | 18.19 | 19.53 | 19.92 | 16.47          | 17.85 | 16.87 | 18.21 | 18.60 |
|                 | 6H   | 18.27            | 19.56 | 18.69 | 19.93 | 20.34 | 16.90          | 18.19 | 17.32 | 18.56 | 18.97 |
|                 | 8H   | 18.44            | 19.67 | 18.87 | 20.07 | 20.48 | 17.04          | 18.27 | 17.47 | 18.67 | 19.08 |
|                 | 12H  | 18.56            | 19.74 | 19.00 | 20.13 | 20.57 | 17.14          | 18.32 | 17.58 | 18.71 | 19.15 |
| 4H              | 2H   | 15.86            | 17.25 | 16.27 | 17.61 | 17.99 | 14.92          | 16.30 | 15.32 | 16.66 | 17.05 |
|                 | 3H   | 17.81            | 18.97 | 18.22 | 19.38 | 19.79 | 16.71          | 17.88 | 17.13 | 18.29 | 18.70 |
|                 | 4H   | 18.58            | 19.64 | 19.02 | 20.06 | 20.51 | 17.42          | 18.47 | 17.86 | 18.90 | 19.34 |
|                 | 6H   | 19.21            | 20.13 | 19.67 | 20.58 | 21.05 | 17.97          | 18.89 | 18.43 | 19.34 | 19.81 |
|                 | 8H   | 19.43            | 20.29 | 19.90 | 20.74 | 21.22 | 18.15          | 19.01 | 18.62 | 19.47 | 19.94 |
|                 | 12H  | 19.61            | 20.38 | 20.09 | 20.87 | 21.35 | 18.29          | 19.07 | 18.78 | 19.56 | 20.04 |
| 8H              | 4H   | 18.80            | 19.66 | 19.27 | 20.11 | 20.59 | 17.73          | 18.59 | 18.20 | 19.04 | 19.52 |
|                 | 6H   | 19.53            | 20.25 | 20.03 | 20.75 | 21.24 | 18.38          | 19.11 | 18.88 | 19.60 | 20.09 |
|                 | 8H   | 19.83            | 20.48 | 20.34 | 20.99 | 21.49 | 18.63          | 19.28 | 19.15 | 19.80 | 20.29 |
|                 | 12H  | 20.09            | 20.67 | 20.60 | 21.16 | 21.74 | 18.85          | 19.43 | 19.36 | 19.92 | 20.50 |
| 12H             | 4H   | 18.81            | 19.59 | 19.30 | 20.08 | 20.56 | 17.76          | 18.54 | 18.25 | 19.03 | 19.51 |
|                 | 6H   | 19.56            | 20.21 | 20.08 | 20.73 | 21.23 | 18.44          | 19.09 | 18.96 | 19.61 | 20.11 |
|                 | 8H   | 19.92            | 20.49 | 20.43 | 20.99 | 21.56 | 18.75          | 19.33 | 19.27 | 19.83 | 20.40 |