

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: P1013369

Luminaire Tested: S124RDIP-B575D365UB2750-4F0-XX-W2A-A\_3000K

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1013369  
REPORT IS A COMBINATION OF REPORTS P999506 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S124RDIP-B575D365UB2750-4F0-XX-W2A-A\_3000K  
Description: Define 4 Regressed Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589}  
{m-EER=0.647}  
Light Source: -  
Ballast/Driver: -

**Summary**

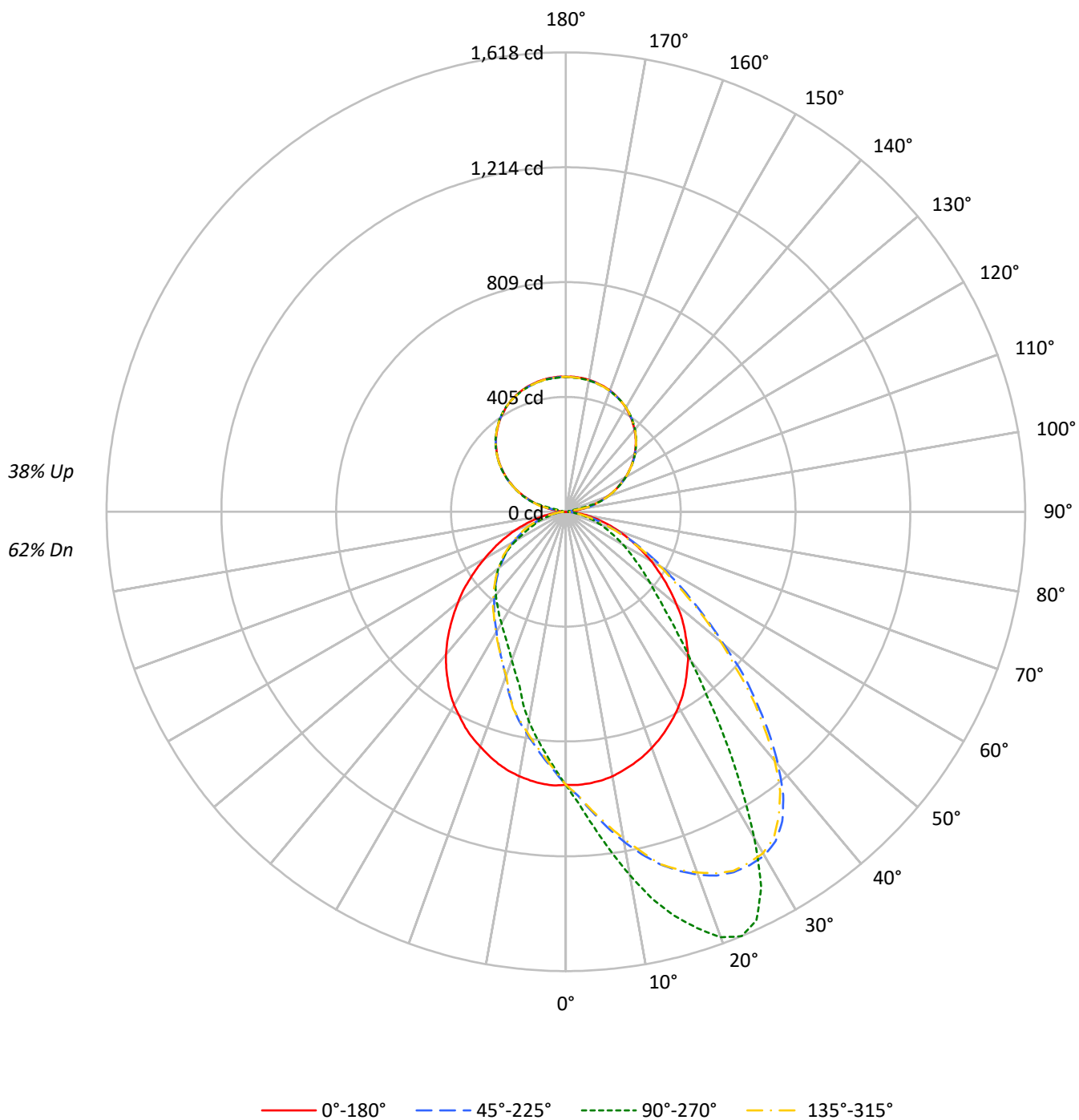
Lumens per Lamp: N/A  
Luminaire Lumens: 3903.0 lumens  
Efficiency: N/A  
Efficacy: 117.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 33.3  
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: P1013369

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A\_3000K

### Luminous Intensity Polar Plot



TEST NUMBER: P1013369

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

|     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |
| RC  | 80  |     |     |     | 70  |     |     |     | 50 |    |    |    | 30 |    |    |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |
| 0   | 110 | 110 | 110 | 110 | 103 | 103 | 103 | 103 | 90 | 90 | 90 | 78 | 78 | 78 | 67 | 67 | 67 |
| 1   | 101 | 97  | 93  | 90  | 95  | 91  | 88  | 85  | 80 | 78 | 75 | 70 | 68 | 67 | 61 | 59 | 58 |
| 2   | 93  | 85  | 79  | 74  | 87  | 80  | 75  | 71  | 71 | 67 | 63 | 62 | 59 | 56 | 54 | 52 | 50 |
| 3   | 85  | 76  | 68  | 63  | 79  | 71  | 65  | 60  | 63 | 58 | 54 | 55 | 52 | 48 | 48 | 45 | 43 |
| 4   | 78  | 67  | 59  | 53  | 73  | 63  | 56  | 51  | 56 | 51 | 46 | 50 | 45 | 42 | 44 | 40 | 38 |
| 5   | 72  | 60  | 52  | 46  | 67  | 57  | 50  | 44  | 51 | 45 | 40 | 45 | 40 | 37 | 39 | 36 | 33 |
| 6   | 66  | 54  | 46  | 40  | 62  | 51  | 44  | 39  | 46 | 40 | 36 | 41 | 36 | 32 | 36 | 32 | 29 |
| 7   | 61  | 49  | 41  | 36  | 58  | 47  | 39  | 34  | 42 | 36 | 32 | 37 | 32 | 29 | 33 | 29 | 26 |
| 8   | 57  | 45  | 37  | 32  | 54  | 43  | 35  | 31  | 38 | 32 | 28 | 34 | 29 | 26 | 30 | 26 | 24 |
| 9   | 53  | 41  | 34  | 29  | 50  | 39  | 32  | 27  | 35 | 29 | 25 | 31 | 27 | 23 | 28 | 24 | 21 |
| 10  | 50  | 38  | 31  | 26  | 47  | 36  | 29  | 25  | 32 | 27 | 23 | 29 | 25 | 21 | 26 | 22 | 20 |

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

|     | 0°   | 90°   | 180° | 270° |
|-----|------|-------|------|------|
| 0°  | 7842 | 7842  | 7842 | 7842 |
| 5°  | 7842 | 8861  | 7855 | 6773 |
| 10° | 7800 | 10214 | 7794 | 5890 |
| 15° | 7708 | 11496 | 7708 | 4932 |
| 20° | 7611 | 12465 | 7570 | 4342 |
| 25° | 7491 | 12517 | 7457 | 3922 |
| 30° | 7365 | 10644 | 7308 | 3633 |
| 35° | 7187 | 8031  | 7096 | 3417 |
| 40° | 6989 | 5820  | 6851 | 3249 |
| 45° | 6661 | 4423  | 6495 | 3100 |
| 50° | 6272 | 3575  | 6100 | 2882 |
| 55° | 5850 | 2960  | 5660 | 2591 |
| 60° | 5427 | 2503  | 5185 | 2155 |
| 65° | 4895 | 2040  | 4739 | 1713 |
| 70° | 4408 | 1654  | 4201 | 1391 |
| 75° | 3864 | 1192  | 3596 | 1020 |
| 80° | 3187 | 789   | 2900 | 750  |
| 85° | 2314 | 407   | 1914 | 407  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 9817 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 93.1   | 2.4       |
| 10°-20°   | 281.2  | 7.2       |
| 20°-30°   | 440.5  | 11.3      |
| 30°-40°   | 489.1  | 12.5      |
| 40°-50°   | 433.5  | 11.1      |
| 50°-60°   | 337.8  | 8.7       |
| 60°-70°   | 221.0  | 5.7       |
| 70°-80°   | 108.4  | 2.8       |
| 80°-90°   | 27.4   | 0.7       |
| 90°-100°  | 15.8   | 0.4       |
| 100°-110° | 103.9  | 2.7       |
| 110°-120° | 198.4  | 5.1       |
| 120°-130° | 251.9  | 6.5       |
| 130°-140° | 269.5  | 6.9       |
| 140°-150° | 252.0  | 6.5       |
| 150°-160° | 203.2  | 5.2       |
| 160°-170° | 131.1  | 3.4       |
| 170°-180° | 45.2   | 1.2       |
| 0°-30°    | 814.8  | 20.9      |
| 0°-40°    | 1304.0 | 33.4      |
| 0°-60°    | 2075.2 | 53.2      |
| 0°-90°    | 2432.0 | 62.3      |
| 90°-120°  | 318.1  | 8.2       |
| 90°-150°  | 1091.6 | 28.0      |
| 90°-180°  | 1471.0 | 37.7      |
| 0°-180°   | 3903.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 90°  | 180° | 270° | 360° | Flux |
|------|-----|------|------|------|------|------|
| 0°   | 962 | 962  | 962  | 962  | 962  |      |
| 5°   | 960 | 1111 | 962  | 849  | 960  | 91   |
| 15°  | 919 | 1472 | 919  | 632  | 919  | 259  |
| 25°  | 842 | 1588 | 838  | 498  | 842  | 388  |
| 35°  | 735 | 978  | 725  | 416  | 735  | 459  |
| 45°  | 592 | 500  | 577  | 350  | 592  | 457  |
| 55°  | 426 | 298  | 412  | 261  | 426  | 381  |
| 65°  | 267 | 174  | 259  | 146  | 267  | 267  |
| 75°  | 134 | 81   | 125  | 69   | 134  | 142  |
| 85°  | 32  | 19   | 26   | 19   | 32   | 36   |
| 90°  | 1   | 11   | 1    | 11   | 1    | 3    |
| 95°  | 20  | 10   | 20   | 10   | 20   | 24   |
| 105° | 107 | 101  | 107  | 101  | 107  | 112  |
| 115° | 200 | 201  | 200  | 201  | 200  | 197  |
| 125° | 281 | 283  | 281  | 283  | 281  | 251  |
| 135° | 348 | 351  | 348  | 351  | 348  | 269  |
| 145° | 402 | 404  | 402  | 404  | 402  | 251  |
| 155° | 440 | 440  | 440  | 440  | 440  | 203  |
| 165° | 465 | 463  | 465  | 463  | 465  | 131  |
| 175° | 475 | 472  | 475  | 472  | 475  | 45   |
| 180° | 475 | 475  | 475  | 475  | 475  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 961.7 | 961.7 | 961.7 | 961.7  | 961.7  | 961.7  | 961.7  | 961.7  | 961.7  | 961.7  | 961.7  |
| 2.5°   | 963.2 | 971.7 | 976.4 | 980.3  | 988.0  | 991.1  | 997.3  | 998.9  | 1005.1 | 1004.3 | 1002.0 |
| 5°     | 960.1 | 974.8 | 985.7 | 997.3  | 1011.3 | 1019.0 | 1027.5 | 1039.9 | 1046.1 | 1054.7 | 1060.1 |
| 7.5°   | 954.7 | 974.8 | 992.7 | 1010.5 | 1033.0 | 1045.4 | 1056.2 | 1075.6 | 1091.9 | 1105.8 | 1121.3 |
| 10°    | 946.2 | 971.7 | 998.1 | 1022.1 | 1053.1 | 1067.8 | 1084.1 | 1112.8 | 1135.3 | 1154.6 | 1179.4 |
| 12.5°  | 933.0 | 968.6 | 998.1 | 1030.6 | 1070.2 | 1090.3 | 1112.0 | 1146.1 | 1172.5 | 1204.2 | 1235.2 |
| 15°    | 919.1 | 958.6 | 997.3 | 1039.9 | 1084.9 | 1108.1 | 1129.8 | 1175.6 | 1215.8 | 1252.3 | 1286.4 |
| 17.5°  | 903.6 | 947.0 | 989.6 | 1036.8 | 1091.1 | 1119.8 | 1145.3 | 1200.3 | 1244.5 | 1291.8 | 1325.9 |
| 20°    | 885.0 | 932.2 | 981.0 | 1033.7 | 1095.0 | 1126.7 | 1155.4 | 1218.2 | 1267.0 | 1318.1 | 1360.8 |
| 22.5°  | 864.8 | 916.0 | 969.4 | 1026.8 | 1090.3 | 1125.2 | 1158.5 | 1225.9 | 1282.5 | 1329.8 | 1387.1 |
| 25°    | 842.3 | 896.6 | 951.6 | 1012.0 | 1083.3 | 1121.3 | 1155.4 | 1222.0 | 1282.5 | 1344.5 | 1400.3 |
| 27.5°  | 819.1 | 874.9 | 932.2 | 995.8  | 1068.6 | 1105.8 | 1144.6 | 1208.9 | 1279.4 | 1346.8 | 1403.4 |
| 30°    | 793.5 | 847.8 | 908.2 | 968.6  | 1046.1 | 1083.3 | 1122.9 | 1192.6 | 1269.3 | 1336.7 | 1398.0 |
| 32.5°  | 765.6 | 821.4 | 878.8 | 941.5  | 1017.5 | 1057.8 | 1094.2 | 1173.2 | 1251.5 | 1318.1 | 1375.5 |
| 35°    | 734.6 | 787.3 | 841.6 | 905.9  | 981.0  | 1017.5 | 1060.9 | 1143.0 | 1222.0 | 1292.6 | 1329.8 |
| 37.5°  | 701.3 | 751.7 | 802.0 | 865.6  | 937.7  | 981.8  | 1024.4 | 1107.4 | 1191.1 | 1238.3 | 1257.7 |
| 40°    | 670.3 | 714.5 | 758.6 | 819.9  | 892.7  | 938.4  | 981.8  | 1067.8 | 1141.5 | 1177.9 | 1163.2 |
| 42.5°  | 630.8 | 676.5 | 716.0 | 772.6  | 846.2  | 888.8  | 933.0  | 1022.1 | 1081.8 | 1096.5 | 1060.1 |
| 45°    | 592.0 | 630.0 | 668.0 | 723.0  | 800.5  | 836.9  | 884.2  | 967.1  | 1016.7 | 1003.5 | 950.1  |
| 47.5°  | 554.1 | 585.1 | 620.7 | 674.2  | 743.9  | 787.3  | 831.5  | 903.6  | 938.4  | 919.8  | 845.4  |
| 50°    | 509.1 | 540.1 | 577.3 | 623.8  | 691.2  | 733.1  | 767.9  | 834.6  | 860.9  | 815.2  | 725.3  |
| 52.5°  | 466.5 | 493.6 | 525.4 | 568.8  | 633.1  | 671.1  | 709.1  | 766.4  | 774.9  | 722.2  | 627.7  |
| 55°    | 426.2 | 447.9 | 481.2 | 516.1  | 575.0  | 615.3  | 641.6  | 690.5  | 688.1  | 622.3  | 540.9  |
| 57.5°  | 384.4 | 404.5 | 427.0 | 463.4  | 519.2  | 549.4  | 578.1  | 620.7  | 598.2  | 542.4  | 461.9  |
| 60°    | 347.2 | 358.8 | 381.3 | 416.1  | 463.4  | 489.7  | 512.2  | 535.5  | 516.1  | 455.7  | 393.7  |
| 62.5°  | 306.1 | 319.3 | 335.5 | 363.4  | 405.3  | 430.1  | 446.4  | 456.4  | 436.3  | 389.8  | 333.2  |
| 65°    | 267.3 | 279.0 | 296.0 | 320.8  | 352.6  | 371.2  | 379.7  | 386.7  | 375.8  | 323.1  | 278.2  |
| 67.5°  | 232.5 | 240.2 | 255.7 | 272.0  | 306.1  | 310.7  | 322.4  | 325.5  | 303.8  | 263.5  | 227.8  |
| 70°    | 197.6 | 205.4 | 212.3 | 231.7  | 247.2  | 255.7  | 258.0  | 258.0  | 236.4  | 210.0  | 180.6  |
| 72.5°  | 165.1 | 169.7 | 176.7 | 189.9  | 198.4  | 204.6  | 207.7  | 203.8  | 183.7  | 162.0  | 140.3  |
| 75°    | 134.1 | 136.4 | 142.6 | 151.1  | 158.1  | 155.8  | 155.0  | 150.3  | 135.6  | 120.1  | 107.7  |
| 77.5°  | 103.1 | 104.6 | 111.6 | 113.9  | 113.9  | 116.2  | 113.1  | 108.5  | 96.1   | 84.5   | 79.0   |
| 80°    | 77.5  | 79.8  | 80.6  | 82.1   | 80.6   | 80.6   | 78.3   | 70.5   | 64.3   | 58.9   | 55.0   |
| 82.5°  | 53.5  | 55.0  | 55.8  | 53.5   | 55.0   | 52.7   | 48.8   | 43.4   | 39.5   | 38.7   | 37.2   |
| 85°    | 31.8  | 32.5  | 31.8  | 31.8   | 29.4   | 28.7   | 25.6   | 24.8   | 23.2   | 23.2   | 22.5   |
| 87.5°  | 15.5  | 14.7  | 13.2  | 11.6   | 11.6   | 10.8   | 11.6   | 10.1   | 11.6   | 10.8   | 10.1   |
| 90°    | 1.1   | 2.0   | 2.8   | 3.7    | 4.6    | 5.0    | 5.3    | 5.9    | 6.6    | 7.2    | 7.8    |
| 92.5°  | 5.3   | 5.1   | 5.0   | 4.8    | 4.7    | 4.6    | 4.9    | 5.6    | 6.2    | 6.9    | 7.5    |
| 95°    | 19.6  | 16.9  | 14.2  | 11.5   | 8.8    | 7.5    | 7.5    | 7.6    | 7.7    | 7.7    | 7.8    |
| 97.5°  | 37.3  | 39.1  | 40.8  | 42.6   | 44.3   | 45.2   | 41.0   | 32.7   | 24.4   | 16.1   | 7.8    |
| 100°   | 58.3  | 59.7  | 61.1  | 62.6   | 64.0   | 64.7   | 59.2   | 48.3   | 37.4   | 26.5   | 15.6   |
| 102.5° | 81.8  | 82.7  | 83.7  | 84.6   | 85.5   | 86.0   | 86.5   | 87.4   | 88.4   | 89.3   | 90.3   |
| 105°   | 107.0 | 107.5 | 108.0 | 108.5  | 109.0  | 109.2  | 109.4  | 109.8  | 110.1  | 110.5  | 110.9  |
| 107.5° | 130.1 | 130.3 | 130.6 | 130.8  | 131.1  | 131.2  | 131.5  | 132.0  | 132.6  | 133.1  | 133.7  |
| 110°   | 153.6 | 153.8 | 154.1 | 154.3  | 154.6  | 154.7  | 154.9  | 155.4  | 155.9  | 156.3  | 156.8  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 176.4 | 176.9 | 177.3 | 177.8 | 178.3 | 178.5 | 178.6 | 178.7 | 178.9 | 179.0 | 179.2 |
| 115°   | 199.8 | 200.0 | 200.3 | 200.5 | 200.8 | 200.9 | 200.9 | 200.8 | 200.7 | 200.6 | 200.5 |
| 117.5° | 220.8 | 221.1 | 221.4 | 221.7 | 222.0 | 222.2 | 222.3 | 222.6 | 222.8 | 223.1 | 223.3 |
| 120°   | 242.1 | 242.4 | 242.8 | 243.1 | 243.4 | 243.6 | 243.6 | 243.5 | 243.4 | 243.3 | 243.2 |
| 122.5° | 262.1 | 262.3 | 262.4 | 262.6 | 262.7 | 262.8 | 262.9 | 263.0 | 263.2 | 263.3 | 263.5 |
| 125°   | 280.9 | 281.2 | 281.5 | 281.8 | 282.1 | 282.3 | 282.2 | 282.1 | 281.9 | 281.8 | 281.6 |
| 127.5° | 299.0 | 299.1 | 299.2 | 299.3 | 299.4 | 299.4 | 299.6 | 300.0 | 300.4 | 300.8 | 301.2 |
| 130°   | 316.5 | 316.6 | 316.6 | 316.7 | 316.8 | 316.8 | 316.9 | 317.2 | 317.4 | 317.7 | 317.9 |
| 132.5° | 332.5 | 332.7 | 332.8 | 333.0 | 333.1 | 333.2 | 333.4 | 333.7 | 334.0 | 334.3 | 334.6 |
| 135°   | 348.5 | 348.4 | 348.3 | 348.2 | 348.1 | 348.1 | 348.3 | 348.6 | 348.9 | 349.2 | 349.5 |
| 137.5° | 362.7 | 362.7 | 362.7 | 362.7 | 362.7 | 362.7 | 362.9 | 363.3 | 363.7 | 364.1 | 364.5 |
| 140°   | 376.5 | 376.7 | 376.9 | 377.0 | 377.2 | 377.3 | 377.4 | 377.5 | 377.7 | 377.8 | 378.0 |
| 142.5° | 389.0 | 389.3 | 389.6 | 389.9 | 390.2 | 390.4 | 390.4 | 390.5 | 390.6 | 390.7 | 390.8 |
| 145°   | 401.8 | 402.0 | 402.3 | 402.5 | 402.8 | 402.9 | 402.9 | 402.9 | 402.9 | 402.9 | 402.9 |
| 147.5° | 411.7 | 412.2 | 412.7 | 413.2 | 413.7 | 413.9 | 413.9 | 413.8 | 413.7 | 413.6 | 413.5 |
| 150°   | 422.8 | 423.1 | 423.4 | 423.7 | 424.0 | 424.2 | 424.2 | 424.1 | 424.0 | 423.9 | 423.8 |
| 152.5° | 432.0 | 432.2 | 432.5 | 432.7 | 433.0 | 433.1 | 433.0 | 432.9 | 432.7 | 432.6 | 432.4 |
| 155°   | 440.5 | 440.6 | 440.7 | 440.8 | 440.9 | 440.9 | 440.8 | 440.5 | 440.3 | 440.0 | 439.8 |
| 157.5° | 448.0 | 448.0 | 448.0 | 448.0 | 448.0 | 448.0 | 447.8 | 447.5 | 447.2 | 446.9 | 446.6 |
| 160°   | 454.4 | 454.2 | 453.9 | 453.7 | 453.4 | 453.3 | 453.3 | 453.2 | 453.1 | 453.1 | 453.0 |
| 162.5° | 460.1 | 459.8 | 459.5 | 459.2 | 458.9 | 458.7 | 458.7 | 458.6 | 458.5 | 458.4 | 458.3 |
| 165°   | 464.7 | 464.3 | 463.9 | 463.5 | 463.1 | 462.9 | 462.9 | 462.9 | 462.9 | 462.9 | 462.9 |
| 167.5° | 468.6 | 468.2 | 467.8 | 467.5 | 467.1 | 466.9 | 466.9 | 466.8 | 466.7 | 466.6 | 466.5 |
| 170°   | 471.8 | 471.3 | 470.9 | 470.4 | 469.9 | 469.7 | 469.7 | 469.8 | 469.9 | 470.0 | 470.1 |
| 172.5° | 474.0 | 473.5 | 473.0 | 472.5 | 472.0 | 471.8 | 471.8 | 471.9 | 472.0 | 472.1 | 472.2 |
| 175°   | 475.4 | 474.9 | 474.5 | 474.0 | 473.5 | 473.3 | 473.3 | 473.4 | 473.5 | 473.5 | 473.6 |
| 177.5° | 476.5 | 475.9 | 475.4 | 474.8 | 474.3 | 474.0 | 474.1 | 474.2 | 474.4 | 474.5 | 474.7 |
| 180°   | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 961.7  | 961.7  | 961.7  | 961.7  | 961.7  | 961.7  | 961.7  | 961.7  | 961.7  | 961.7  | 961.7  |
| 2.5°   | 1008.2 | 1016.7 | 1017.5 | 1025.2 | 1022.9 | 1019.0 | 1026.0 | 1021.3 | 1030.6 | 1027.5 | 1031.4 |
| 5°     | 1067.1 | 1078.7 | 1088.8 | 1095.0 | 1105.8 | 1103.5 | 1115.1 | 1111.2 | 1119.8 | 1111.2 | 1122.1 |
| 7.5°   | 1136.0 | 1155.4 | 1165.5 | 1181.8 | 1186.4 | 1187.2 | 1201.1 | 1204.2 | 1209.6 | 1204.2 | 1210.4 |
| 10°    | 1203.4 | 1226.7 | 1249.9 | 1263.1 | 1271.6 | 1283.3 | 1295.7 | 1301.1 | 1305.0 | 1299.5 | 1303.4 |
| 12.5°  | 1264.7 | 1301.1 | 1326.7 | 1353.0 | 1359.2 | 1369.3 | 1382.5 | 1380.9 | 1396.4 | 1393.3 | 1400.3 |
| 15°    | 1321.2 | 1361.5 | 1392.5 | 1413.5 | 1430.5 | 1439.0 | 1463.8 | 1465.4 | 1464.6 | 1472.3 | 1467.7 |
| 17.5°  | 1371.6 | 1405.7 | 1449.9 | 1477.0 | 1497.9 | 1497.9 | 1511.9 | 1540.5 | 1538.2 | 1537.4 | 1542.1 |
| 20°    | 1412.7 | 1451.4 | 1492.5 | 1538.2 | 1555.3 | 1558.4 | 1577.7 | 1592.5 | 1594.8 | 1594.8 | 1594.8 |
| 22.5°  | 1443.7 | 1489.4 | 1533.6 | 1566.1 | 1579.3 | 1590.1 | 1607.2 | 1616.5 | 1619.6 | 1618.0 | 1619.6 |
| 25°    | 1459.2 | 1502.6 | 1547.5 | 1577.0 | 1584.7 | 1590.9 | 1592.5 | 1597.9 | 1597.1 | 1587.8 | 1593.2 |
| 27.5°  | 1462.3 | 1504.1 | 1533.6 | 1541.3 | 1537.4 | 1533.6 | 1508.8 | 1511.1 | 1504.1 | 1490.2 | 1495.6 |
| 30°    | 1448.3 | 1470.8 | 1470.0 | 1446.0 | 1439.0 | 1422.8 | 1400.3 | 1367.0 | 1339.8 | 1328.2 | 1332.1 |
| 32.5°  | 1398.0 | 1398.0 | 1370.1 | 1315.8 | 1291.8 | 1262.3 | 1222.0 | 1191.8 | 1156.2 | 1148.4 | 1163.2 |
| 35°    | 1328.2 | 1288.7 | 1237.5 | 1166.3 | 1129.8 | 1108.1 | 1038.4 | 1016.7 | 986.5  | 977.9  | 984.9  |
| 37.5°  | 1219.7 | 1153.9 | 1079.5 | 1012.8 | 981.8  | 943.1  | 881.9  | 850.9  | 829.2  | 814.4  | 821.4  |
| 40°    | 1098.1 | 1018.2 | 940.8  | 858.6  | 824.5  | 792.7  | 747.0  | 719.1  | 684.3  | 685.8  | 688.1  |
| 42.5°  | 981.8  | 888.1  | 801.3  | 725.3  | 692.8  | 666.4  | 634.7  | 600.6  | 588.2  | 584.3  | 580.4  |
| 45°    | 858.6  | 758.6  | 677.3  | 620.7  | 591.3  | 566.5  | 537.0  | 517.6  | 502.9  | 499.8  | 503.7  |
| 47.5°  | 742.4  | 657.9  | 580.4  | 527.7  | 503.7  | 491.3  | 468.1  | 450.2  | 440.9  | 433.2  | 437.8  |
| 50°    | 637.0  | 557.9  | 495.9  | 451.8  | 434.7  | 426.2  | 404.5  | 395.2  | 385.9  | 383.6  | 382.8  |
| 52.5°  | 550.2  | 482.8  | 429.3  | 393.7  | 380.5  | 375.8  | 359.6  | 346.4  | 338.6  | 341.0  | 342.5  |
| 55°    | 471.2  | 413.8  | 372.0  | 343.3  | 332.4  | 327.0  | 315.4  | 306.1  | 300.7  | 298.3  | 299.9  |
| 57.5°  | 401.4  | 351.8  | 321.6  | 298.3  | 289.8  | 287.5  | 275.1  | 272.0  | 268.1  | 265.8  | 265.8  |
| 60°    | 337.9  | 303.0  | 275.1  | 261.9  | 252.6  | 250.3  | 241.0  | 237.1  | 236.4  | 234.0  | 232.5  |
| 62.5°  | 284.4  | 255.7  | 236.4  | 222.4  | 218.5  | 217.8  | 211.6  | 206.9  | 204.6  | 203.0  | 203.0  |
| 65°    | 237.9  | 217.0  | 200.7  | 190.6  | 187.5  | 186.0  | 179.0  | 177.5  | 175.9  | 174.4  | 173.6  |
| 67.5°  | 198.4  | 179.8  | 168.2  | 161.2  | 157.3  | 158.1  | 154.2  | 151.1  | 151.1  | 150.3  | 149.6  |
| 70°    | 160.4  | 148.8  | 138.7  | 134.8  | 133.3  | 131.7  | 130.2  | 127.9  | 127.1  | 127.1  | 127.1  |
| 72.5°  | 126.3  | 118.6  | 113.1  | 110.8  | 109.3  | 107.7  | 106.2  | 106.2  | 106.2  | 105.4  | 105.4  |
| 75°    | 96.9   | 93.8   | 89.9   | 87.6   | 87.6   | 89.1   | 86.8   | 84.5   | 82.1   | 80.6   | 81.4   |
| 77.5°  | 72.8   | 71.3   | 69.0   | 65.1   | 65.9   | 64.3   | 64.3   | 62.8   | 63.5   | 63.5   | 62.0   |
| 80°    | 53.5   | 51.1   | 50.4   | 48.0   | 48.8   | 48.0   | 47.3   | 47.3   | 45.7   | 45.7   | 45.7   |
| 82.5°  | 37.2   | 34.9   | 34.9   | 34.1   | 33.3   | 33.3   | 32.5   | 32.5   | 33.3   | 31.8   | 31.8   |
| 85°    | 22.5   | 21.7   | 21.7   | 20.1   | 20.1   | 20.1   | 20.1   | 20.9   | 20.1   | 19.4   | 19.4   |
| 87.5°  | 10.1   | 10.8   | 10.1   | 9.3    | 9.3    | 9.3    | 8.5    | 8.5    | 7.7    | 8.5    | 8.5    |
| 90°    | 8.3    | 8.8    | 9.3    | 9.8    | 10.0   | 10.1   | 10.2   | 10.4   | 10.5   | 10.7   | 10.5   |
| 92.5°  | 8.0    | 8.4    | 8.9    | 9.4    | 9.6    | 9.6    | 9.6    | 9.6    | 9.6    | 9.6    | 9.6    |
| 95°    | 8.3    | 8.8    | 9.3    | 9.8    | 10.0   | 10.0   | 10.1   | 10.2   | 10.2   | 10.3   | 10.2   |
| 97.5°  | 8.2    | 8.6    | 9.0    | 9.4    | 9.6    | 9.6    | 9.7    | 9.8    | 9.9    | 10.0   | 9.9    |
| 100°   | 14.3   | 12.9   | 11.6   | 10.3   | 9.6    | 9.6    | 9.7    | 9.8    | 9.9    | 10.0   | 9.9    |
| 102.5° | 72.5   | 54.7   | 37.0   | 19.2   | 10.3   | 10.3   | 10.3   | 10.3   | 10.3   | 10.3   | 10.3   |
| 105°   | 111.6  | 112.3  | 113.0  | 113.7  | 114.1  | 112.7  | 109.8  | 107.0  | 104.1  | 101.3  | 104.1  |
| 107.5° | 134.1  | 134.5  | 134.9  | 135.3  | 135.5  | 135.7  | 136.0  | 136.3  | 136.6  | 136.9  | 136.6  |
| 110°   | 157.0  | 157.1  | 157.3  | 157.4  | 157.5  | 157.6  | 157.9  | 158.1  | 158.4  | 158.6  | 158.4  |



TEST NUMBER: P1013369

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 179.1 | 179.0 | 178.9 | 178.8 | 178.8 | 179.0 | 179.3 | 179.6 | 180.0 | 180.3 | 180.0 |
| 115°   | 200.7 | 200.8 | 201.0 | 201.1 | 201.2 | 201.2 | 201.2 | 201.2 | 201.2 | 201.2 | 201.2 |
| 117.5° | 223.2 | 223.1 | 223.0 | 222.9 | 222.9 | 222.9 | 222.9 | 222.9 | 222.9 | 222.9 | 222.9 |
| 120°   | 243.4 | 243.5 | 243.7 | 243.8 | 243.9 | 243.8 | 243.7 | 243.5 | 243.4 | 243.2 | 243.4 |
| 122.5° | 263.6 | 263.6 | 263.7 | 263.8 | 263.8 | 263.7 | 263.6 | 263.4 | 263.3 | 263.1 | 263.3 |
| 125°   | 281.8 | 282.1 | 282.3 | 282.6 | 282.7 | 282.7 | 282.8 | 282.9 | 282.9 | 283.0 | 282.9 |
| 127.5° | 301.1 | 301.0 | 300.9 | 300.8 | 300.8 | 300.8 | 300.7 | 300.6 | 300.6 | 300.5 | 300.6 |
| 130°   | 318.0 | 318.0 | 318.1 | 318.2 | 318.2 | 318.2 | 318.2 | 318.2 | 318.2 | 318.2 | 318.2 |
| 132.5° | 334.7 | 334.7 | 334.8 | 334.9 | 334.9 | 334.9 | 334.8 | 334.7 | 334.7 | 334.6 | 334.7 |
| 135°   | 349.7 | 349.8 | 350.0 | 350.1 | 350.2 | 350.3 | 350.4 | 350.6 | 350.7 | 350.9 | 350.7 |
| 137.5° | 364.7 | 364.8 | 365.0 | 365.1 | 365.2 | 365.2 | 365.1 | 365.0 | 364.9 | 364.8 | 364.9 |
| 140°   | 378.2 | 378.4 | 378.7 | 378.9 | 379.0 | 379.0 | 379.1 | 379.2 | 379.3 | 379.4 | 379.3 |
| 142.5° | 391.0 | 391.1 | 391.3 | 391.4 | 391.5 | 391.5 | 391.5 | 391.5 | 391.5 | 391.5 | 391.5 |
| 145°   | 403.0 | 403.0 | 403.1 | 403.2 | 403.2 | 403.3 | 403.4 | 403.6 | 403.7 | 403.9 | 403.7 |
| 147.5° | 413.6 | 413.7 | 413.8 | 413.9 | 413.9 | 413.9 | 414.0 | 414.1 | 414.1 | 414.2 | 414.1 |
| 150°   | 423.8 | 423.8 | 423.8 | 423.8 | 423.8 | 423.8 | 423.9 | 424.0 | 424.1 | 424.2 | 424.1 |
| 152.5° | 432.6 | 432.7 | 432.9 | 433.0 | 433.1 | 433.1 | 433.0 | 432.9 | 432.8 | 432.7 | 432.8 |
| 155°   | 440.1 | 440.5 | 440.8 | 441.1 | 441.3 | 441.2 | 440.9 | 440.7 | 440.4 | 440.2 | 440.4 |
| 157.5° | 447.0 | 447.4 | 447.8 | 448.2 | 448.4 | 448.2 | 447.8 | 447.4 | 447.0 | 446.6 | 447.0 |
| 160°   | 453.5 | 453.9 | 454.4 | 454.9 | 455.1 | 454.9 | 454.4 | 453.9 | 453.5 | 453.0 | 453.5 |
| 162.5° | 458.8 | 459.3 | 459.8 | 460.3 | 460.5 | 460.2 | 459.7 | 459.1 | 458.6 | 458.0 | 458.6 |
| 165°   | 463.5 | 464.2 | 464.8 | 465.5 | 465.8 | 465.4 | 464.7 | 464.0 | 463.3 | 462.6 | 463.3 |
| 167.5° | 467.2 | 467.9 | 468.6 | 469.3 | 469.7 | 469.3 | 468.5 | 467.7 | 466.9 | 466.1 | 466.9 |
| 170°   | 470.7 | 471.3 | 472.0 | 472.6 | 472.9 | 472.5 | 471.7 | 470.9 | 470.1 | 469.3 | 470.1 |
| 172.5° | 472.8 | 473.4 | 474.1 | 474.7 | 475.0 | 474.6 | 473.7 | 472.8 | 472.0 | 471.1 | 472.0 |
| 175°   | 474.3 | 475.0 | 475.7 | 476.4 | 476.8 | 476.3 | 475.4 | 474.4 | 473.5 | 472.5 | 473.5 |
| 177.5° | 475.3 | 475.9 | 476.6 | 477.2 | 477.5 | 477.0 | 476.1 | 475.2 | 474.2 | 473.3 | 474.2 |
| 180°   | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 |

TEST NUMBER: P1013369

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 961.7  | 961.7  | 961.7  | 961.7  | 961.7  | 961.7  | 961.7  | 961.7  | 961.7  | 961.7  | 961.7  |
| 2.5°   | 1033.7 | 1028.3 | 1027.5 | 1027.5 | 1019.0 | 1023.7 | 1014.4 | 1004.3 | 999.6  | 999.6  | 991.1  |
| 5°     | 1119.8 | 1114.3 | 1108.9 | 1100.4 | 1100.4 | 1095.7 | 1081.0 | 1066.3 | 1055.4 | 1046.1 | 1036.1 |
| 7.5°   | 1208.1 | 1202.7 | 1187.2 | 1178.7 | 1183.3 | 1174.0 | 1154.6 | 1129.8 | 1111.2 | 1096.5 | 1075.6 |
| 10°    | 1304.2 | 1289.5 | 1281.7 | 1277.1 | 1260.8 | 1250.7 | 1228.2 | 1191.8 | 1168.6 | 1149.2 | 1122.1 |
| 12.5°  | 1382.5 | 1387.1 | 1357.7 | 1360.0 | 1343.7 | 1329.8 | 1294.9 | 1260.0 | 1225.1 | 1198.0 | 1157.7 |
| 15°    | 1466.9 | 1453.0 | 1435.1 | 1421.2 | 1415.8 | 1398.7 | 1369.3 | 1322.8 | 1284.8 | 1242.2 | 1196.5 |
| 17.5°  | 1533.6 | 1522.7 | 1505.7 | 1492.5 | 1480.9 | 1439.8 | 1415.0 | 1373.9 | 1322.0 | 1280.2 | 1224.4 |
| 20°    | 1590.1 | 1580.1 | 1556.0 | 1547.5 | 1526.6 | 1497.1 | 1461.5 | 1398.0 | 1351.5 | 1305.7 | 1251.5 |
| 22.5°  | 1614.2 | 1604.1 | 1583.2 | 1572.3 | 1559.1 | 1530.5 | 1496.4 | 1435.9 | 1378.6 | 1321.2 | 1263.9 |
| 25°    | 1594.0 | 1594.0 | 1583.9 | 1580.1 | 1568.4 | 1542.9 | 1508.0 | 1456.8 | 1395.6 | 1333.6 | 1265.4 |
| 27.5°  | 1496.4 | 1515.7 | 1522.7 | 1526.6 | 1526.6 | 1527.4 | 1503.3 | 1453.7 | 1394.1 | 1333.6 | 1262.3 |
| 30°    | 1355.3 | 1387.9 | 1416.6 | 1425.1 | 1439.8 | 1456.1 | 1466.1 | 1442.1 | 1388.7 | 1325.1 | 1253.8 |
| 32.5°  | 1177.9 | 1219.7 | 1273.2 | 1286.4 | 1306.5 | 1355.3 | 1382.5 | 1392.5 | 1363.1 | 1307.3 | 1231.3 |
| 35°    | 1001.2 | 1053.9 | 1086.4 | 1126.7 | 1145.3 | 1217.4 | 1277.8 | 1314.3 | 1307.3 | 1274.0 | 1205.0 |
| 37.5°  | 847.0  | 877.2  | 916.7  | 959.3  | 996.5  | 1065.5 | 1140.7 | 1211.2 | 1239.9 | 1223.6 | 1171.7 |
| 40°    | 699.0  | 734.6  | 781.9  | 816.8  | 842.3  | 911.3  | 1004.3 | 1081.0 | 1143.8 | 1153.9 | 1122.1 |
| 42.5°  | 594.4  | 630.0  | 658.7  | 696.7  | 716.8  | 783.4  | 865.6  | 961.7  | 1036.1 | 1075.6 | 1061.6 |
| 45°    | 513.8  | 535.5  | 558.7  | 580.4  | 605.2  | 664.1  | 740.0  | 845.4  | 929.1  | 984.9  | 990.3  |
| 47.5°  | 443.3  | 462.6  | 482.8  | 502.9  | 516.9  | 562.6  | 632.3  | 718.3  | 809.8  | 886.5  | 916.7  |
| 50°    | 393.7  | 403.0  | 417.7  | 429.3  | 445.6  | 485.1  | 540.9  | 615.3  | 712.2  | 795.1  | 834.6  |
| 52.5°  | 344.8  | 356.5  | 368.1  | 378.2  | 389.0  | 416.9  | 468.1  | 532.4  | 616.1  | 701.3  | 750.1  |
| 55°    | 303.8  | 313.1  | 323.9  | 330.9  | 337.1  | 361.9  | 400.6  | 450.2  | 522.3  | 602.9  | 663.3  |
| 57.5°  | 270.4  | 274.3  | 283.6  | 287.5  | 294.5  | 314.6  | 342.5  | 386.7  | 444.8  | 523.1  | 572.7  |
| 60°    | 234.0  | 241.8  | 248.7  | 251.8  | 257.3  | 271.2  | 290.6  | 331.7  | 382.0  | 439.4  | 495.9  |
| 62.5°  | 204.6  | 207.7  | 213.1  | 217.0  | 220.9  | 235.6  | 251.8  | 282.8  | 320.8  | 368.9  | 420.8  |
| 65°    | 177.5  | 179.0  | 182.1  | 187.5  | 189.9  | 200.7  | 210.0  | 232.5  | 268.1  | 304.5  | 356.5  |
| 67.5°  | 149.6  | 151.1  | 155.0  | 158.1  | 160.4  | 167.4  | 177.5  | 193.7  | 213.1  | 253.4  | 282.1  |
| 70°    | 127.9  | 127.9  | 130.2  | 131.7  | 134.1  | 137.2  | 142.6  | 155.0  | 172.8  | 198.4  | 224.7  |
| 72.5°  | 106.9  | 106.9  | 106.9  | 109.3  | 109.3  | 111.6  | 114.7  | 123.2  | 135.6  | 155.8  | 172.8  |
| 75°    | 82.9   | 83.7   | 85.2   | 85.2   | 86.0   | 89.1   | 91.4   | 93.8   | 100.0  | 113.1  | 128.6  |
| 77.5°  | 62.8   | 64.3   | 65.1   | 63.5   | 65.1   | 65.1   | 68.2   | 71.3   | 74.4   | 78.3   | 89.9   |
| 80°    | 46.5   | 47.3   | 45.7   | 46.5   | 46.5   | 48.0   | 49.6   | 48.8   | 50.4   | 55.0   | 58.1   |
| 82.5°  | 31.0   | 31.8   | 31.8   | 31.8   | 31.8   | 34.1   | 34.1   | 33.3   | 34.1   | 34.9   | 35.6   |
| 85°    | 19.4   | 18.6   | 18.6   | 19.4   | 18.6   | 18.6   | 19.4   | 20.1   | 19.4   | 20.1   | 20.9   |
| 87.5°  | 8.5    | 8.5    | 8.5    | 8.5    | 7.7    | 7.7    | 8.5    | 7.7    | 8.5    | 7.7    | 7.0    |
| 90°    | 10.4   | 10.2   | 10.1   | 10.0   | 9.8    | 9.3    | 8.8    | 8.3    | 7.8    | 7.2    | 6.6    |
| 92.5°  | 9.6    | 9.6    | 9.6    | 9.6    | 9.4    | 8.9    | 8.4    | 8.0    | 7.5    | 6.9    | 6.2    |
| 95°    | 10.2   | 10.1   | 10.0   | 10.0   | 9.8    | 9.3    | 8.8    | 8.3    | 7.8    | 7.7    | 7.7    |
| 97.5°  | 9.8    | 9.7    | 9.6    | 9.6    | 9.4    | 9.0    | 8.6    | 8.2    | 7.8    | 16.1   | 24.4   |
| 100°   | 9.8    | 9.7    | 9.6    | 9.6    | 10.3   | 11.6   | 12.9   | 14.3   | 15.6   | 26.5   | 37.4   |
| 102.5° | 10.3   | 10.3   | 10.3   | 10.3   | 19.2   | 37.0   | 54.7   | 72.5   | 90.3   | 89.3   | 88.4   |
| 105°   | 107.0  | 109.8  | 112.7  | 114.1  | 113.7  | 113.0  | 112.3  | 111.6  | 110.9  | 110.5  | 110.1  |
| 107.5° | 136.3  | 136.0  | 135.7  | 135.5  | 135.3  | 134.9  | 134.5  | 134.1  | 133.7  | 133.1  | 132.6  |
| 110°   | 158.1  | 157.9  | 157.6  | 157.5  | 157.4  | 157.3  | 157.1  | 157.0  | 156.8  | 156.3  | 155.9  |

TEST NUMBER: P1013369

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 179.6 | 179.3 | 179.0 | 178.8  | 178.8 | 178.9 | 179.0 | 179.1 | 179.2 | 179.0 | 178.9 |
| 115°   | 201.2 | 201.2 | 201.2 | 201.2  | 201.1 | 201.0 | 200.8 | 200.7 | 200.5 | 200.6 | 200.7 |
| 117.5° | 222.9 | 222.9 | 222.9 | 222.9  | 222.9 | 223.0 | 223.1 | 223.2 | 223.3 | 223.1 | 222.8 |
| 120°   | 243.5 | 243.7 | 243.8 | 243.9  | 243.8 | 243.7 | 243.5 | 243.4 | 243.2 | 243.3 | 243.4 |
| 122.5° | 263.4 | 263.6 | 263.7 | 263.8  | 263.8 | 263.7 | 263.6 | 263.6 | 263.5 | 263.3 | 263.2 |
| 125°   | 282.9 | 282.8 | 282.7 | 282.7  | 282.6 | 282.3 | 282.1 | 281.8 | 281.6 | 281.8 | 281.9 |
| 127.5° | 300.6 | 300.7 | 300.8 | 300.8  | 300.8 | 300.9 | 301.0 | 301.1 | 301.2 | 300.8 | 300.4 |
| 130°   | 318.2 | 318.2 | 318.2 | 318.2  | 318.2 | 318.1 | 318.0 | 318.0 | 317.9 | 317.7 | 317.4 |
| 132.5° | 334.7 | 334.8 | 334.9 | 334.9  | 334.9 | 334.8 | 334.7 | 334.7 | 334.6 | 334.3 | 334.0 |
| 135°   | 350.6 | 350.4 | 350.3 | 350.2  | 350.1 | 350.0 | 349.8 | 349.7 | 349.5 | 349.2 | 348.9 |
| 137.5° | 365.0 | 365.1 | 365.2 | 365.2  | 365.1 | 365.0 | 364.8 | 364.7 | 364.5 | 364.1 | 363.7 |
| 140°   | 379.2 | 379.1 | 379.0 | 379.0  | 378.9 | 378.7 | 378.4 | 378.2 | 378.0 | 377.8 | 377.7 |
| 142.5° | 391.5 | 391.5 | 391.5 | 391.5  | 391.4 | 391.3 | 391.1 | 391.0 | 390.8 | 390.7 | 390.6 |
| 145°   | 403.6 | 403.4 | 403.3 | 403.2  | 403.2 | 403.1 | 403.0 | 403.0 | 402.9 | 402.9 | 402.9 |
| 147.5° | 414.1 | 414.0 | 413.9 | 413.9  | 413.9 | 413.8 | 413.7 | 413.6 | 413.5 | 413.6 | 413.7 |
| 150°   | 424.0 | 423.9 | 423.8 | 423.8  | 423.8 | 423.8 | 423.8 | 423.8 | 423.8 | 423.9 | 424.0 |
| 152.5° | 432.9 | 433.0 | 433.1 | 433.1  | 433.0 | 432.9 | 432.7 | 432.6 | 432.4 | 432.6 | 432.7 |
| 155°   | 440.7 | 440.9 | 441.2 | 441.3  | 441.1 | 440.8 | 440.5 | 440.1 | 439.8 | 440.0 | 440.3 |
| 157.5° | 447.4 | 447.8 | 448.2 | 448.4  | 448.2 | 447.8 | 447.4 | 447.0 | 446.6 | 446.9 | 447.2 |
| 160°   | 453.9 | 454.4 | 454.9 | 455.1  | 454.9 | 454.4 | 453.9 | 453.5 | 453.0 | 453.1 | 453.1 |
| 162.5° | 459.1 | 459.7 | 460.2 | 460.5  | 460.3 | 459.8 | 459.3 | 458.8 | 458.3 | 458.4 | 458.5 |
| 165°   | 464.0 | 464.7 | 465.4 | 465.8  | 465.5 | 464.8 | 464.2 | 463.5 | 462.9 | 462.9 | 462.9 |
| 167.5° | 467.7 | 468.5 | 469.3 | 469.7  | 469.3 | 468.6 | 467.9 | 467.2 | 466.5 | 466.6 | 466.7 |
| 170°   | 470.9 | 471.7 | 472.5 | 472.9  | 472.6 | 472.0 | 471.3 | 470.7 | 470.1 | 470.0 | 469.9 |
| 172.5° | 472.8 | 473.7 | 474.6 | 475.0  | 474.7 | 474.1 | 473.4 | 472.8 | 472.2 | 472.1 | 472.0 |
| 175°   | 474.4 | 475.4 | 476.3 | 476.8  | 476.4 | 475.7 | 475.0 | 474.3 | 473.6 | 473.5 | 473.5 |
| 177.5° | 475.2 | 476.1 | 477.0 | 477.5  | 477.2 | 476.6 | 475.9 | 475.3 | 474.7 | 474.5 | 474.4 |
| 180°   | 475.4 | 475.4 | 475.4 | 475.4  | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 |

TEST NUMBER: P1013369

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 0°     | 961.7  | 961.7  | 961.7  | 961.7  | 961.7  | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 |
| 2.5°   | 986.5  | 982.6  | 980.3  | 979.5  | 972.5  | 968.6 | 966.3 | 964.8 | 962.4 | 956.2 | 950.8 |
| 5°     | 1023.7 | 1012.8 | 1007.4 | 1001.2 | 990.3  | 977.9 | 967.9 | 961.7 | 953.9 | 941.5 | 929.9 |
| 7.5°   | 1058.5 | 1042.3 | 1031.4 | 1022.9 | 1004.3 | 984.1 | 967.9 | 954.7 | 940.0 | 922.9 | 906.7 |
| 10°    | 1095.0 | 1068.6 | 1054.7 | 1041.5 | 1014.4 | 988.0 | 964.8 | 945.4 | 924.5 | 902.0 | 884.2 |
| 12.5°  | 1123.6 | 1088.8 | 1073.3 | 1054.7 | 1021.3 | 990.3 | 960.9 | 934.6 | 907.4 | 883.4 | 857.8 |
| 15°    | 1157.0 | 1113.6 | 1095.7 | 1071.7 | 1026.0 | 985.7 | 947.7 | 919.1 | 891.2 | 855.5 | 828.4 |
| 17.5°  | 1176.3 | 1126.0 | 1100.4 | 1079.5 | 1029.9 | 981.0 | 936.9 | 901.2 | 868.7 | 833.0 | 804.4 |
| 20°    | 1195.7 | 1138.4 | 1109.7 | 1080.2 | 1021.3 | 969.4 | 922.9 | 880.3 | 846.2 | 807.5 | 778.0 |
| 22.5°  | 1201.9 | 1135.3 | 1105.0 | 1077.9 | 1015.9 | 957.8 | 904.3 | 860.9 | 821.4 | 782.7 | 749.3 |
| 25°    | 1201.9 | 1134.5 | 1098.8 | 1064.0 | 998.9  | 939.2 | 885.7 | 838.5 | 794.3 | 755.5 | 722.2 |
| 27.5°  | 1189.5 | 1119.0 | 1081.8 | 1050.0 | 982.6  | 918.3 | 863.3 | 811.3 | 768.7 | 730.0 | 692.0 |
| 30°    | 1174.0 | 1096.5 | 1059.3 | 1021.3 | 956.2  | 895.0 | 835.4 | 787.3 | 742.4 | 698.2 | 664.1 |
| 32.5°  | 1154.6 | 1072.5 | 1031.4 | 992.7  | 923.7  | 860.2 | 805.1 | 757.9 | 715.3 | 669.5 | 631.6 |
| 35°    | 1126.7 | 1036.8 | 991.1  | 957.0  | 890.4  | 824.5 | 771.8 | 725.3 | 684.3 | 637.0 | 595.9 |
| 37.5°  | 1091.1 | 1004.3 | 957.8  | 916.0  | 847.0  | 786.5 | 736.9 | 692.0 | 651.7 | 608.3 | 562.6 |
| 40°    | 1049.2 | 958.6  | 918.3  | 874.1  | 801.3  | 743.9 | 697.4 | 657.1 | 616.8 | 575.8 | 531.6 |
| 42.5°  | 1002.0 | 912.1  | 867.1  | 824.5  | 754.8  | 698.2 | 654.8 | 618.4 | 581.2 | 543.2 | 495.9 |
| 45°    | 945.4  | 860.9  | 817.5  | 777.2  | 709.8  | 651.7 | 612.2 | 577.3 | 545.5 | 506.8 | 465.0 |
| 47.5°  | 881.9  | 808.2  | 764.1  | 720.7  | 654.8  | 604.4 | 565.7 | 536.2 | 509.1 | 470.4 | 432.4 |
| 50°    | 819.9  | 747.0  | 711.4  | 667.2  | 606.8  | 559.5 | 520.0 | 495.2 | 474.3 | 436.3 | 402.2 |
| 52.5°  | 741.6  | 686.6  | 652.5  | 614.5  | 556.4  | 508.3 | 477.4 | 455.7 | 430.9 | 401.4 | 371.2 |
| 55°    | 672.6  | 621.5  | 594.4  | 558.7  | 501.4  | 458.8 | 432.4 | 412.3 | 392.9 | 366.5 | 342.5 |
| 57.5°  | 594.4  | 562.6  | 535.5  | 504.5  | 447.9  | 411.5 | 388.2 | 371.2 | 353.4 | 331.7 | 312.3 |
| 60°    | 512.2  | 497.5  | 471.2  | 446.4  | 398.3  | 366.5 | 347.2 | 331.7 | 314.6 | 296.8 | 280.5 |
| 62.5°  | 439.4  | 430.9  | 415.4  | 396.0  | 351.0  | 323.9 | 304.5 | 292.9 | 280.5 | 264.2 | 248.7 |
| 65°    | 370.4  | 366.5  | 351.8  | 337.9  | 306.9  | 282.8 | 265.8 | 258.8 | 244.9 | 232.5 | 218.5 |
| 67.5°  | 309.2  | 304.5  | 296.0  | 289.8  | 263.5  | 241.0 | 232.5 | 223.2 | 211.6 | 202.3 | 190.6 |
| 70°    | 247.2  | 246.4  | 241.0  | 233.3  | 219.3  | 203.0 | 194.5 | 188.3 | 176.7 | 169.7 | 161.2 |
| 72.5°  | 192.2  | 196.1  | 191.4  | 188.3  | 179.0  | 167.4 | 159.6 | 155.8 | 146.5 | 141.0 | 134.8 |
| 75°    | 143.4  | 146.5  | 148.8  | 143.4  | 141.0  | 135.6 | 128.6 | 124.8 | 120.1 | 112.4 | 110.0 |
| 77.5°  | 97.6   | 104.6  | 104.6  | 106.2  | 106.9  | 103.8 | 98.4  | 95.3  | 89.9  | 88.3  | 85.2  |
| 80°    | 64.3   | 70.5   | 71.3   | 72.8   | 75.2   | 75.2  | 71.3  | 70.5  | 65.1  | 64.3  | 62.0  |
| 82.5°  | 37.2   | 42.6   | 45.7   | 48.0   | 47.3   | 50.4  | 47.3  | 46.5  | 43.4  | 43.4  | 41.8  |
| 85°    | 20.1   | 20.9   | 22.5   | 24.0   | 25.6   | 27.1  | 27.1  | 26.3  | 25.6  | 24.8  | 23.2  |
| 87.5°  | 7.7    | 7.7    | 8.5    | 7.7    | 8.5    | 10.1  | 10.8  | 10.8  | 10.1  | 9.3   | 7.7   |
| 90°    | 5.9    | 5.3    | 5.0    | 4.6    | 3.7    | 2.8   | 2.0   | 1.1   | 2.0   | 2.8   | 3.7   |
| 92.5°  | 5.6    | 4.9    | 4.6    | 4.7    | 4.8    | 5.0   | 5.1   | 5.3   | 5.1   | 5.0   | 4.8   |
| 95°    | 7.6    | 7.5    | 7.5    | 8.8    | 11.5   | 14.2  | 16.9  | 19.6  | 16.9  | 14.2  | 11.5  |
| 97.5°  | 32.7   | 41.0   | 45.2   | 44.3   | 42.6   | 40.8  | 39.1  | 37.3  | 39.1  | 40.8  | 42.6  |
| 100°   | 48.3   | 59.2   | 64.7   | 64.0   | 62.6   | 61.1  | 59.7  | 58.3  | 59.7  | 61.1  | 62.6  |
| 102.5° | 87.4   | 86.5   | 86.0   | 85.5   | 84.6   | 83.7  | 82.7  | 81.8  | 82.7  | 83.7  | 84.6  |
| 105°   | 109.8  | 109.4  | 109.2  | 109.0  | 108.5  | 108.0 | 107.5 | 107.0 | 107.5 | 108.0 | 108.5 |
| 107.5° | 132.0  | 131.5  | 131.2  | 131.1  | 130.8  | 130.6 | 130.3 | 130.1 | 130.3 | 130.6 | 130.8 |
| 110°   | 155.4  | 154.9  | 154.7  | 154.6  | 154.3  | 154.1 | 153.8 | 153.6 | 153.8 | 154.1 | 154.3 |

TEST NUMBER: P1013369

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 178.7 | 178.6 | 178.5  | 178.3 | 177.8 | 177.3 | 176.9 | 176.4 | 176.9 | 177.3 | 177.8 |
| 115°   | 200.8 | 200.9 | 200.9  | 200.8 | 200.5 | 200.3 | 200.0 | 199.8 | 200.0 | 200.3 | 200.5 |
| 117.5° | 222.6 | 222.3 | 222.2  | 222.0 | 221.7 | 221.4 | 221.1 | 220.8 | 221.1 | 221.4 | 221.7 |
| 120°   | 243.5 | 243.6 | 243.6  | 243.4 | 243.1 | 242.8 | 242.4 | 242.1 | 242.4 | 242.8 | 243.1 |
| 122.5° | 263.0 | 262.9 | 262.8  | 262.7 | 262.6 | 262.4 | 262.3 | 262.1 | 262.3 | 262.4 | 262.6 |
| 125°   | 282.1 | 282.2 | 282.3  | 282.1 | 281.8 | 281.5 | 281.2 | 280.9 | 281.2 | 281.5 | 281.8 |
| 127.5° | 300.0 | 299.6 | 299.4  | 299.4 | 299.3 | 299.2 | 299.1 | 299.0 | 299.1 | 299.2 | 299.3 |
| 130°   | 317.2 | 316.9 | 316.8  | 316.8 | 316.7 | 316.6 | 316.6 | 316.5 | 316.6 | 316.6 | 316.7 |
| 132.5° | 333.7 | 333.4 | 333.2  | 333.1 | 333.0 | 332.8 | 332.7 | 332.5 | 332.7 | 332.8 | 333.0 |
| 135°   | 348.6 | 348.3 | 348.1  | 348.1 | 348.2 | 348.3 | 348.4 | 348.5 | 348.4 | 348.3 | 348.2 |
| 137.5° | 363.3 | 362.9 | 362.7  | 362.7 | 362.7 | 362.7 | 362.7 | 362.7 | 362.7 | 362.7 | 362.7 |
| 140°   | 377.5 | 377.4 | 377.3  | 377.2 | 377.0 | 376.9 | 376.7 | 376.5 | 376.7 | 376.9 | 377.0 |
| 142.5° | 390.5 | 390.4 | 390.4  | 390.2 | 389.9 | 389.6 | 389.3 | 389.0 | 389.3 | 389.6 | 389.9 |
| 145°   | 402.9 | 402.9 | 402.9  | 402.8 | 402.5 | 402.3 | 402.0 | 401.8 | 402.0 | 402.3 | 402.5 |
| 147.5° | 413.8 | 413.9 | 413.9  | 413.7 | 413.2 | 412.7 | 412.2 | 411.7 | 412.2 | 412.7 | 413.2 |
| 150°   | 424.1 | 424.2 | 424.2  | 424.0 | 423.7 | 423.4 | 423.1 | 422.8 | 423.1 | 423.4 | 423.7 |
| 152.5° | 432.9 | 433.0 | 433.1  | 433.0 | 432.7 | 432.5 | 432.2 | 432.0 | 432.2 | 432.5 | 432.7 |
| 155°   | 440.5 | 440.8 | 440.9  | 440.9 | 440.8 | 440.7 | 440.6 | 440.5 | 440.6 | 440.7 | 440.8 |
| 157.5° | 447.5 | 447.8 | 448.0  | 448.0 | 448.0 | 448.0 | 448.0 | 448.0 | 448.0 | 448.0 | 448.0 |
| 160°   | 453.2 | 453.3 | 453.3  | 453.4 | 453.7 | 453.9 | 454.2 | 454.4 | 454.2 | 453.9 | 453.7 |
| 162.5° | 458.6 | 458.7 | 458.7  | 458.9 | 459.2 | 459.5 | 459.8 | 460.1 | 459.8 | 459.5 | 459.2 |
| 165°   | 462.9 | 462.9 | 462.9  | 463.1 | 463.5 | 463.9 | 464.3 | 464.7 | 464.3 | 463.9 | 463.5 |
| 167.5° | 466.8 | 466.9 | 466.9  | 467.1 | 467.5 | 467.8 | 468.2 | 468.6 | 468.2 | 467.8 | 467.5 |
| 170°   | 469.8 | 469.7 | 469.7  | 469.9 | 470.4 | 470.9 | 471.3 | 471.8 | 471.3 | 470.9 | 470.4 |
| 172.5° | 471.9 | 471.8 | 471.8  | 472.0 | 472.5 | 473.0 | 473.5 | 474.0 | 473.5 | 473.0 | 472.5 |
| 175°   | 473.4 | 473.3 | 473.3  | 473.5 | 474.0 | 474.5 | 474.9 | 475.4 | 474.9 | 474.5 | 474.0 |
| 177.5° | 474.2 | 474.1 | 474.0  | 474.3 | 474.8 | 475.4 | 475.9 | 476.5 | 475.9 | 475.4 | 474.8 |
| 180°   | 475.4 | 475.4 | 475.4  | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 |

TEST NUMBER: P1013369

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 961.7 | 961.7  | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 |
| 2.5°   | 946.2 | 944.6  | 943.1 | 936.9 | 931.5 | 922.2 | 914.4 | 911.3 | 910.5 | 911.3 | 909.0 |
| 5°     | 919.1 | 918.3  | 912.9 | 902.0 | 891.9 | 881.1 | 873.3 | 865.6 | 860.9 | 860.9 | 855.5 |
| 7.5°   | 893.5 | 888.1  | 883.4 | 869.5 | 857.8 | 843.1 | 831.5 | 824.5 | 820.6 | 812.1 | 812.1 |
| 10°    | 866.4 | 858.6  | 852.4 | 839.2 | 822.2 | 807.5 | 792.7 | 784.2 | 777.2 | 771.0 | 768.7 |
| 12.5°  | 839.2 | 833.0  | 821.4 | 807.5 | 790.4 | 771.8 | 756.3 | 750.1 | 733.8 | 720.7 | 721.4 |
| 15°    | 813.7 | 799.7  | 794.3 | 774.1 | 754.0 | 736.2 | 713.7 | 695.9 | 682.7 | 674.2 | 663.3 |
| 17.5°  | 785.0 | 771.0  | 761.0 | 743.9 | 717.6 | 689.7 | 668.0 | 644.0 | 630.8 | 616.1 | 609.1 |
| 20°    | 753.2 | 741.6  | 733.8 | 706.7 | 675.0 | 641.6 | 617.6 | 602.9 | 588.2 | 577.3 | 571.1 |
| 22.5°  | 726.1 | 711.4  | 702.1 | 665.7 | 630.8 | 597.5 | 578.9 | 566.5 | 554.1 | 544.8 | 541.7 |
| 25°    | 691.2 | 682.7  | 660.2 | 628.5 | 585.8 | 563.4 | 547.1 | 530.8 | 523.8 | 517.6 | 510.7 |
| 27.5°  | 662.6 | 641.6  | 626.1 | 584.3 | 557.9 | 532.4 | 516.1 | 503.7 | 495.2 | 489.0 | 483.5 |
| 30°    | 626.9 | 607.5  | 585.8 | 551.0 | 526.9 | 502.9 | 488.2 | 478.1 | 468.8 | 465.0 | 460.3 |
| 32.5°  | 589.7 | 571.9  | 551.0 | 523.1 | 493.6 | 475.0 | 463.4 | 452.6 | 446.4 | 442.5 | 437.1 |
| 35°    | 556.4 | 533.9  | 520.0 | 493.6 | 469.6 | 448.7 | 437.8 | 428.5 | 421.6 | 420.0 | 419.2 |
| 37.5°  | 520.7 | 503.7  | 490.5 | 463.4 | 443.3 | 425.4 | 415.4 | 405.3 | 401.4 | 400.6 | 397.5 |
| 40°    | 489.7 | 475.0  | 462.6 | 437.1 | 415.4 | 399.1 | 391.3 | 385.1 | 381.3 | 381.3 | 380.5 |
| 42.5°  | 462.6 | 447.1  | 434.7 | 411.5 | 392.1 | 377.4 | 368.9 | 362.7 | 361.1 | 361.9 | 361.1 |
| 45°    | 432.4 | 419.2  | 406.8 | 382.8 | 366.5 | 355.7 | 346.4 | 343.3 | 341.0 | 341.7 | 342.5 |
| 47.5°  | 403.7 | 392.9  | 380.5 | 361.1 | 342.5 | 330.9 | 325.5 | 322.4 | 322.4 | 322.4 | 323.9 |
| 50°    | 378.2 | 365.8  | 354.9 | 334.8 | 317.7 | 308.4 | 303.8 | 299.9 | 300.7 | 301.4 | 302.2 |
| 52.5°  | 347.9 | 337.1  | 329.3 | 309.2 | 296.8 | 285.2 | 279.7 | 280.5 | 279.7 | 279.7 | 281.3 |
| 55°    | 321.6 | 310.7  | 303.0 | 284.4 | 272.0 | 264.2 | 259.6 | 257.3 | 258.0 | 256.5 | 259.6 |
| 57.5°  | 292.1 | 282.8  | 277.4 | 259.6 | 248.7 | 241.8 | 237.9 | 234.0 | 235.6 | 234.8 | 234.0 |
| 60°    | 266.6 | 255.7  | 247.2 | 234.8 | 225.5 | 217.0 | 214.7 | 210.8 | 212.3 | 210.8 | 210.0 |
| 62.5°  | 237.1 | 228.6  | 222.4 | 210.0 | 202.3 | 195.3 | 189.9 | 187.5 | 186.8 | 184.4 | 182.1 |
| 65°    | 207.7 | 203.0  | 196.8 | 184.4 | 176.7 | 171.3 | 168.2 | 165.8 | 165.1 | 158.9 | 151.9 |
| 67.5°  | 180.6 | 177.5  | 171.3 | 162.0 | 155.0 | 149.6 | 144.9 | 141.0 | 136.4 | 131.7 | 127.9 |
| 70°    | 155.0 | 150.3  | 146.5 | 137.9 | 131.7 | 126.3 | 121.7 | 117.0 | 114.7 | 110.0 | 108.5 |
| 72.5°  | 130.2 | 125.5  | 121.7 | 113.9 | 108.5 | 103.1 | 101.5 | 96.1  | 93.8  | 93.0  | 93.0  |
| 75°    | 104.6 | 100.7  | 98.4  | 91.4  | 86.8  | 82.9  | 80.6  | 79.0  | 77.5  | 75.9  | 73.6  |
| 77.5°  | 79.8  | 77.5   | 75.9  | 71.3  | 67.4  | 65.1  | 64.3  | 58.9  | 57.3  | 55.8  | 54.2  |
| 80°    | 58.1  | 57.3   | 55.8  | 51.9  | 50.4  | 44.9  | 44.9  | 43.4  | 42.6  | 42.6  | 42.6  |
| 82.5°  | 39.5  | 38.0   | 37.2  | 33.3  | 32.5  | 31.8  | 31.0  | 30.2  | 31.0  | 30.2  | 31.0  |
| 85°    | 20.9  | 20.1   | 19.4  | 19.4  | 19.4  | 19.4  | 19.4  | 19.4  | 19.4  | 18.6  | 19.4  |
| 87.5°  | 7.7   | 7.7    | 7.7   | 7.7   | 7.0   | 7.7   | 7.7   | 7.0   | 7.7   | 7.7   | 7.7   |
| 90°    | 4.6   | 5.0    | 5.3   | 5.9   | 6.6   | 7.2   | 7.8   | 8.3   | 8.8   | 9.3   | 9.8   |
| 92.5°  | 4.7   | 4.6    | 4.9   | 5.6   | 6.2   | 6.9   | 7.5   | 8.0   | 8.4   | 8.9   | 9.4   |
| 95°    | 8.8   | 7.5    | 7.5   | 7.6   | 7.7   | 7.7   | 7.8   | 8.3   | 8.8   | 9.3   | 9.8   |
| 97.5°  | 44.3  | 45.2   | 41.0  | 32.7  | 24.4  | 16.1  | 7.8   | 8.2   | 8.6   | 9.0   | 9.4   |
| 100°   | 64.0  | 64.7   | 59.2  | 48.3  | 37.4  | 26.5  | 15.6  | 14.3  | 12.9  | 11.6  | 10.3  |
| 102.5° | 85.5  | 86.0   | 86.5  | 87.4  | 88.4  | 89.3  | 90.3  | 72.5  | 54.7  | 37.0  | 19.2  |
| 105°   | 109.0 | 109.2  | 109.4 | 109.8 | 110.1 | 110.5 | 110.9 | 111.6 | 112.3 | 113.0 | 113.7 |
| 107.5° | 131.1 | 131.2  | 131.5 | 132.0 | 132.6 | 133.1 | 133.7 | 134.1 | 134.5 | 134.9 | 135.3 |
| 110°   | 154.6 | 154.7  | 154.9 | 155.4 | 155.9 | 156.3 | 156.8 | 157.0 | 157.1 | 157.3 | 157.4 |

TEST NUMBER: P1013369

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**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 178.3 | 178.5  | 178.6 | 178.7 | 178.9 | 179.0 | 179.2 | 179.1 | 179.0 | 178.9 | 178.8 |
| 115°   | 200.8 | 200.9  | 200.9 | 200.8 | 200.7 | 200.6 | 200.5 | 200.7 | 200.8 | 201.0 | 201.1 |
| 117.5° | 222.0 | 222.2  | 222.3 | 222.6 | 222.8 | 223.1 | 223.3 | 223.2 | 223.1 | 223.0 | 222.9 |
| 120°   | 243.4 | 243.6  | 243.6 | 243.5 | 243.4 | 243.3 | 243.2 | 243.4 | 243.5 | 243.7 | 243.8 |
| 122.5° | 262.7 | 262.8  | 262.9 | 263.0 | 263.2 | 263.3 | 263.5 | 263.6 | 263.6 | 263.7 | 263.8 |
| 125°   | 282.1 | 282.3  | 282.2 | 282.1 | 281.9 | 281.8 | 281.6 | 281.8 | 282.1 | 282.3 | 282.6 |
| 127.5° | 299.4 | 299.4  | 299.6 | 300.0 | 300.4 | 300.8 | 301.2 | 301.1 | 301.0 | 300.9 | 300.8 |
| 130°   | 316.8 | 316.8  | 316.9 | 317.2 | 317.4 | 317.7 | 317.9 | 318.0 | 318.0 | 318.1 | 318.2 |
| 132.5° | 333.1 | 333.2  | 333.4 | 333.7 | 334.0 | 334.3 | 334.6 | 334.7 | 334.7 | 334.8 | 334.9 |
| 135°   | 348.1 | 348.1  | 348.3 | 348.6 | 348.9 | 349.2 | 349.5 | 349.7 | 349.8 | 350.0 | 350.1 |
| 137.5° | 362.7 | 362.7  | 362.9 | 363.3 | 363.7 | 364.1 | 364.5 | 364.7 | 364.8 | 365.0 | 365.1 |
| 140°   | 377.2 | 377.3  | 377.4 | 377.5 | 377.7 | 377.8 | 378.0 | 378.2 | 378.4 | 378.7 | 378.9 |
| 142.5° | 390.2 | 390.4  | 390.4 | 390.5 | 390.6 | 390.7 | 390.8 | 391.0 | 391.1 | 391.3 | 391.4 |
| 145°   | 402.8 | 402.9  | 402.9 | 402.9 | 402.9 | 402.9 | 402.9 | 403.0 | 403.0 | 403.1 | 403.2 |
| 147.5° | 413.7 | 413.9  | 413.9 | 413.8 | 413.7 | 413.6 | 413.5 | 413.6 | 413.7 | 413.8 | 413.9 |
| 150°   | 424.0 | 424.2  | 424.2 | 424.1 | 424.0 | 423.9 | 423.8 | 423.8 | 423.8 | 423.8 | 423.8 |
| 152.5° | 433.0 | 433.1  | 433.0 | 432.9 | 432.7 | 432.6 | 432.4 | 432.6 | 432.7 | 432.9 | 433.0 |
| 155°   | 440.9 | 440.9  | 440.8 | 440.5 | 440.3 | 440.0 | 439.8 | 440.1 | 440.5 | 440.8 | 441.1 |
| 157.5° | 448.0 | 448.0  | 447.8 | 447.5 | 447.2 | 446.9 | 446.6 | 447.0 | 447.4 | 447.8 | 448.2 |
| 160°   | 453.4 | 453.3  | 453.3 | 453.2 | 453.1 | 453.1 | 453.0 | 453.5 | 453.9 | 454.4 | 454.9 |
| 162.5° | 458.9 | 458.7  | 458.7 | 458.6 | 458.5 | 458.4 | 458.3 | 458.8 | 459.3 | 459.8 | 460.3 |
| 165°   | 463.1 | 462.9  | 462.9 | 462.9 | 462.9 | 462.9 | 462.9 | 463.5 | 464.2 | 464.8 | 465.5 |
| 167.5° | 467.1 | 466.9  | 466.9 | 466.8 | 466.7 | 466.6 | 466.5 | 467.2 | 467.9 | 468.6 | 469.3 |
| 170°   | 469.9 | 469.7  | 469.7 | 469.8 | 469.9 | 470.0 | 470.1 | 470.7 | 471.3 | 472.0 | 472.6 |
| 172.5° | 472.0 | 471.8  | 471.8 | 471.9 | 472.0 | 472.1 | 472.2 | 472.8 | 473.4 | 474.1 | 474.7 |
| 175°   | 473.5 | 473.3  | 473.3 | 473.4 | 473.5 | 473.5 | 473.6 | 474.3 | 475.0 | 475.7 | 476.4 |
| 177.5° | 474.3 | 474.0  | 474.1 | 474.2 | 474.4 | 474.5 | 474.7 | 475.3 | 475.9 | 476.6 | 477.2 |
| 180°   | 475.4 | 475.4  | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 |

TEST NUMBER: P1013369

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0°     | 961.7  | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 | 961.7  |
| 2.5°   | 909.0  | 912.1 | 908.2 | 910.5 | 905.1 | 904.3 | 905.1 | 905.1 | 905.9 | 906.7 | 907.4  |
| 5°     | 857.8  | 857.1 | 852.4 | 849.3 | 847.0 | 849.3 | 850.9 | 852.4 | 850.9 | 852.4 | 853.2  |
| 7.5°   | 809.8  | 807.5 | 805.1 | 799.7 | 801.3 | 799.7 | 804.4 | 802.0 | 802.0 | 805.9 | 809.0  |
| 10°    | 767.2  | 762.5 | 761.0 | 754.8 | 750.1 | 749.3 | 754.8 | 757.1 | 759.4 | 761.0 | 767.2  |
| 12.5°  | 712.2  | 705.2 | 699.8 | 702.1 | 688.9 | 694.3 | 695.9 | 692.8 | 702.1 | 712.9 | 706.7  |
| 15°    | 653.3  | 654.0 | 643.2 | 639.3 | 628.5 | 631.6 | 632.3 | 640.1 | 647.8 | 647.1 | 656.4  |
| 17.5°  | 609.9  | 605.2 | 595.9 | 595.1 | 590.5 | 592.8 | 592.0 | 598.2 | 595.9 | 599.8 | 607.5  |
| 20°    | 569.6  | 566.5 | 558.7 | 555.6 | 557.2 | 555.6 | 556.4 | 557.2 | 559.5 | 568.0 | 566.5  |
| 22.5°  | 537.8  | 533.9 | 533.9 | 530.0 | 525.4 | 523.8 | 527.7 | 530.0 | 533.1 | 534.7 | 538.6  |
| 25°    | 509.9  | 506.8 | 502.9 | 500.6 | 496.7 | 497.5 | 499.8 | 502.9 | 505.2 | 508.3 | 511.4  |
| 27.5°  | 481.2  | 481.2 | 477.4 | 476.6 | 475.0 | 474.3 | 477.4 | 478.9 | 478.9 | 481.2 | 484.3  |
| 30°    | 458.8  | 458.8 | 454.9 | 454.1 | 453.3 | 453.3 | 455.7 | 456.4 | 457.2 | 459.5 | 461.1  |
| 32.5°  | 437.1  | 436.3 | 434.7 | 435.5 | 434.7 | 435.5 | 435.5 | 436.3 | 437.8 | 438.6 | 441.7  |
| 35°    | 416.9  | 417.7 | 416.1 | 416.1 | 415.4 | 416.1 | 417.7 | 418.5 | 419.2 | 420.8 | 420.8  |
| 37.5°  | 397.5  | 399.1 | 398.3 | 400.6 | 400.6 | 400.6 | 400.6 | 402.2 | 402.2 | 402.2 | 401.4  |
| 40°    | 380.5  | 380.5 | 379.7 | 381.3 | 382.8 | 382.8 | 383.6 | 383.6 | 384.4 | 384.4 | 383.6  |
| 42.5°  | 361.1  | 362.7 | 365.0 | 365.8 | 367.3 | 366.5 | 368.9 | 368.1 | 368.9 | 367.3 | 365.8  |
| 45°    | 343.3  | 343.3 | 346.4 | 349.5 | 350.3 | 350.3 | 350.3 | 351.8 | 350.3 | 347.9 | 347.2  |
| 47.5°  | 323.9  | 325.5 | 327.0 | 330.9 | 331.7 | 331.7 | 331.7 | 331.7 | 330.1 | 330.1 | 330.1  |
| 50°    | 304.5  | 305.3 | 306.1 | 307.6 | 310.0 | 309.2 | 309.2 | 309.2 | 312.3 | 309.2 | 310.0  |
| 52.5°  | 281.3  | 282.1 | 282.8 | 285.9 | 285.2 | 285.2 | 285.9 | 285.9 | 288.3 | 287.5 | 285.9  |
| 55°    | 258.0  | 258.0 | 259.6 | 259.6 | 259.6 | 261.1 | 261.9 | 263.5 | 262.7 | 263.5 | 264.2  |
| 57.5°  | 234.8  | 233.3 | 232.5 | 232.5 | 234.8 | 234.0 | 234.8 | 234.8 | 237.9 | 239.4 | 240.2  |
| 60°    | 207.7  | 207.7 | 206.9 | 202.3 | 202.3 | 201.5 | 203.8 | 205.4 | 206.9 | 213.9 | 213.1  |
| 62.5°  | 179.8  | 176.7 | 173.6 | 174.4 | 169.7 | 172.0 | 170.5 | 172.0 | 176.7 | 182.1 | 182.9  |
| 65°    | 151.9  | 149.6 | 146.5 | 145.7 | 144.1 | 146.5 | 145.7 | 146.5 | 148.8 | 151.9 | 155.8  |
| 67.5°  | 127.1  | 126.3 | 124.8 | 124.0 | 124.0 | 124.0 | 125.5 | 125.5 | 126.3 | 128.6 | 131.0  |
| 70°    | 108.5  | 107.7 | 108.5 | 106.9 | 107.7 | 106.9 | 107.7 | 108.5 | 109.3 | 110.0 | 112.4  |
| 72.5°  | 91.4   | 91.4  | 91.4  | 89.9  | 91.4  | 90.7  | 90.7  | 91.4  | 92.2  | 93.0  | 94.5   |
| 75°    | 72.8   | 71.3  | 69.7  | 68.2  | 67.4  | 69.0  | 69.7  | 69.0  | 71.3  | 74.4  | 74.4   |
| 77.5°  | 55.0   | 54.2  | 54.2  | 54.2  | 55.0  | 54.2  | 55.8  | 55.0  | 55.8  | 55.8  | 57.3   |
| 80°    | 42.6   | 41.8  | 42.6  | 42.6  | 41.8  | 43.4  | 42.6  | 42.6  | 43.4  | 44.2  | 43.4   |
| 82.5°  | 31.0   | 31.8  | 31.0  | 31.0  | 31.0  | 32.5  | 31.0  | 31.0  | 31.0  | 31.8  | 31.8   |
| 85°    | 19.4   | 19.4  | 19.4  | 19.4  | 20.1  | 19.4  | 20.1  | 19.4  | 20.9  | 20.1  | 20.1   |
| 87.5°  | 7.0    | 7.7   | 8.5   | 8.5   | 8.5   | 8.5   | 7.7   | 8.5   | 9.3   | 8.5   | 9.3    |
| 90°    | 10.0   | 10.1  | 10.2  | 10.4  | 10.5  | 10.7  | 10.5  | 10.4  | 10.2  | 10.1  | 10.0   |
| 92.5°  | 9.6    | 9.6   | 9.6   | 9.6   | 9.6   | 9.6   | 9.6   | 9.6   | 9.6   | 9.6   | 9.6    |
| 95°    | 10.0   | 10.0  | 10.1  | 10.2  | 10.2  | 10.3  | 10.2  | 10.2  | 10.1  | 10.0  | 10.0   |
| 97.5°  | 9.6    | 9.6   | 9.7   | 9.8   | 9.9   | 10.0  | 9.9   | 9.8   | 9.7   | 9.6   | 9.6    |
| 100°   | 9.6    | 9.6   | 9.7   | 9.8   | 9.9   | 10.0  | 9.9   | 9.8   | 9.7   | 9.6   | 9.6    |
| 102.5° | 10.3   | 10.3  | 10.3  | 10.3  | 10.3  | 10.3  | 10.3  | 10.3  | 10.3  | 10.3  | 10.3   |
| 105°   | 114.1  | 112.7 | 109.8 | 107.0 | 104.1 | 101.3 | 104.1 | 107.0 | 109.8 | 112.7 | 114.1  |
| 107.5° | 135.5  | 135.7 | 136.0 | 136.3 | 136.6 | 136.9 | 136.6 | 136.3 | 136.0 | 135.7 | 135.5  |
| 110°   | 157.5  | 157.6 | 157.9 | 158.1 | 158.4 | 158.6 | 158.4 | 158.1 | 157.9 | 157.6 | 157.5  |



TEST NUMBER: P1013369

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 178.8  | 179.0 | 179.3 | 179.6 | 180.0 | 180.3 | 180.0 | 179.6 | 179.3 | 179.0 | 178.8  |
| 115°   | 201.2  | 201.2 | 201.2 | 201.2 | 201.2 | 201.2 | 201.2 | 201.2 | 201.2 | 201.2 | 201.2  |
| 117.5° | 222.9  | 222.9 | 222.9 | 222.9 | 222.9 | 222.9 | 222.9 | 222.9 | 222.9 | 222.9 | 222.9  |
| 120°   | 243.9  | 243.8 | 243.7 | 243.5 | 243.4 | 243.2 | 243.4 | 243.5 | 243.7 | 243.8 | 243.9  |
| 122.5° | 263.8  | 263.7 | 263.6 | 263.4 | 263.3 | 263.1 | 263.3 | 263.4 | 263.6 | 263.7 | 263.8  |
| 125°   | 282.7  | 282.7 | 282.8 | 282.9 | 282.9 | 283.0 | 282.9 | 282.9 | 282.8 | 282.7 | 282.7  |
| 127.5° | 300.8  | 300.8 | 300.7 | 300.6 | 300.6 | 300.5 | 300.6 | 300.6 | 300.7 | 300.8 | 300.8  |
| 130°   | 318.2  | 318.2 | 318.2 | 318.2 | 318.2 | 318.2 | 318.2 | 318.2 | 318.2 | 318.2 | 318.2  |
| 132.5° | 334.9  | 334.9 | 334.8 | 334.7 | 334.7 | 334.6 | 334.7 | 334.7 | 334.8 | 334.9 | 334.9  |
| 135°   | 350.2  | 350.3 | 350.4 | 350.6 | 350.7 | 350.9 | 350.7 | 350.6 | 350.4 | 350.3 | 350.2  |
| 137.5° | 365.2  | 365.2 | 365.1 | 365.0 | 364.9 | 364.8 | 364.9 | 365.0 | 365.1 | 365.2 | 365.2  |
| 140°   | 379.0  | 379.0 | 379.1 | 379.2 | 379.3 | 379.4 | 379.3 | 379.2 | 379.1 | 379.0 | 379.0  |
| 142.5° | 391.5  | 391.5 | 391.5 | 391.5 | 391.5 | 391.5 | 391.5 | 391.5 | 391.5 | 391.5 | 391.5  |
| 145°   | 403.2  | 403.3 | 403.4 | 403.6 | 403.7 | 403.9 | 403.7 | 403.6 | 403.4 | 403.3 | 403.2  |
| 147.5° | 413.9  | 413.9 | 414.0 | 414.1 | 414.1 | 414.2 | 414.1 | 414.1 | 414.0 | 413.9 | 413.9  |
| 150°   | 423.8  | 423.8 | 423.9 | 424.0 | 424.1 | 424.2 | 424.1 | 424.0 | 423.9 | 423.8 | 423.8  |
| 152.5° | 433.1  | 433.1 | 433.0 | 432.9 | 432.8 | 432.7 | 432.8 | 432.9 | 433.0 | 433.1 | 433.1  |
| 155°   | 441.3  | 441.2 | 440.9 | 440.7 | 440.4 | 440.2 | 440.4 | 440.7 | 440.9 | 441.2 | 441.3  |
| 157.5° | 448.4  | 448.2 | 447.8 | 447.4 | 447.0 | 446.6 | 447.0 | 447.4 | 447.8 | 448.2 | 448.4  |
| 160°   | 455.1  | 454.9 | 454.4 | 453.9 | 453.5 | 453.0 | 453.5 | 453.9 | 454.4 | 454.9 | 455.1  |
| 162.5° | 460.5  | 460.2 | 459.7 | 459.1 | 458.6 | 458.0 | 458.6 | 459.1 | 459.7 | 460.2 | 460.5  |
| 165°   | 465.8  | 465.4 | 464.7 | 464.0 | 463.3 | 462.6 | 463.3 | 464.0 | 464.7 | 465.4 | 465.8  |
| 167.5° | 469.7  | 469.3 | 468.5 | 467.7 | 466.9 | 466.1 | 466.9 | 467.7 | 468.5 | 469.3 | 469.7  |
| 170°   | 472.9  | 472.5 | 471.7 | 470.9 | 470.1 | 469.3 | 470.1 | 470.9 | 471.7 | 472.5 | 472.9  |
| 172.5° | 475.0  | 474.6 | 473.7 | 472.8 | 472.0 | 471.1 | 472.0 | 472.8 | 473.7 | 474.6 | 475.0  |
| 175°   | 476.8  | 476.3 | 475.4 | 474.4 | 473.5 | 472.5 | 473.5 | 474.4 | 475.4 | 476.3 | 476.8  |
| 177.5° | 477.5  | 477.0 | 476.1 | 475.2 | 474.2 | 473.3 | 474.2 | 475.2 | 476.1 | 477.0 | 477.5  |
| 180°   | 475.4  | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4  |

TEST NUMBER: P1013369

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 0°     | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 | 961.7  | 961.7 |
| 2.5°   | 910.5 | 914.4 | 912.9 | 907.4 | 909.8 | 914.4 | 919.1 | 925.3 | 929.1 | 932.2  | 933.8 |
| 5°     | 857.1 | 864.0 | 862.5 | 862.5 | 865.6 | 873.3 | 881.1 | 894.3 | 898.9 | 904.3  | 912.1 |
| 7.5°   | 809.8 | 815.2 | 819.9 | 821.4 | 826.1 | 836.1 | 846.2 | 860.9 | 872.6 | 878.8  | 883.4 |
| 10°    | 767.9 | 771.8 | 778.8 | 782.7 | 787.3 | 799.7 | 814.4 | 829.9 | 841.6 | 852.4  | 858.6 |
| 12.5°  | 714.5 | 730.0 | 739.3 | 745.5 | 751.7 | 770.3 | 781.9 | 798.9 | 812.9 | 823.0  | 832.3 |
| 15°    | 654.8 | 673.4 | 678.8 | 702.9 | 718.3 | 733.1 | 750.9 | 771.0 | 784.2 | 795.8  | 808.2 |
| 17.5°  | 604.4 | 617.6 | 623.8 | 649.4 | 662.6 | 685.8 | 711.4 | 736.9 | 757.1 | 765.6  | 778.0 |
| 20°    | 572.7 | 579.6 | 592.0 | 600.6 | 614.5 | 641.6 | 669.5 | 700.5 | 730.7 | 739.3  | 751.7 |
| 22.5°  | 540.1 | 549.4 | 557.9 | 569.6 | 580.4 | 599.0 | 626.9 | 661.0 | 693.6 | 709.1  | 723.8 |
| 25°    | 510.7 | 520.0 | 525.4 | 537.8 | 547.9 | 566.5 | 585.8 | 620.7 | 659.5 | 672.6  | 695.9 |
| 27.5°  | 487.4 | 492.8 | 502.1 | 507.6 | 519.2 | 536.2 | 554.1 | 580.4 | 618.4 | 640.9  | 663.3 |
| 30°    | 464.2 | 468.1 | 475.8 | 483.5 | 492.1 | 503.7 | 523.8 | 549.4 | 584.3 | 603.7  | 626.1 |
| 32.5°  | 440.9 | 447.1 | 451.8 | 457.2 | 466.5 | 480.4 | 494.4 | 519.2 | 547.1 | 568.8  | 591.3 |
| 35°    | 421.6 | 423.9 | 430.1 | 436.3 | 442.5 | 454.9 | 469.6 | 493.6 | 518.4 | 535.5  | 555.6 |
| 37.5°  | 400.6 | 404.5 | 409.2 | 411.5 | 421.6 | 429.3 | 444.8 | 463.4 | 492.8 | 503.7  | 523.8 |
| 40°    | 384.4 | 383.6 | 388.2 | 392.1 | 396.8 | 409.2 | 418.5 | 438.6 | 461.9 | 478.9  | 491.3 |
| 42.5°  | 364.2 | 364.2 | 365.8 | 370.4 | 376.6 | 384.4 | 395.2 | 412.3 | 436.3 | 448.7  | 463.4 |
| 45°    | 347.9 | 345.6 | 346.4 | 349.5 | 353.4 | 361.1 | 372.0 | 386.7 | 410.7 | 420.8  | 436.3 |
| 47.5°  | 328.6 | 326.2 | 326.2 | 329.3 | 332.4 | 337.9 | 346.4 | 363.4 | 382.8 | 396.0  | 407.6 |
| 50°    | 306.9 | 307.6 | 306.9 | 309.2 | 310.7 | 316.2 | 325.5 | 339.4 | 357.2 | 368.1  | 381.3 |
| 52.5°  | 286.7 | 285.2 | 284.4 | 285.9 | 289.0 | 292.9 | 303.0 | 315.4 | 332.4 | 343.3  | 354.9 |
| 55°    | 261.9 | 263.5 | 263.5 | 263.5 | 268.1 | 269.7 | 277.4 | 289.8 | 306.9 | 315.4  | 326.2 |
| 57.5°  | 239.4 | 238.7 | 240.2 | 239.4 | 243.3 | 248.7 | 254.9 | 264.2 | 281.3 | 289.8  | 299.9 |
| 60°    | 214.7 | 215.4 | 216.2 | 216.2 | 219.3 | 224.7 | 231.7 | 240.2 | 254.2 | 262.7  | 272.0 |
| 62.5°  | 184.4 | 188.3 | 192.2 | 193.7 | 198.4 | 202.3 | 206.9 | 216.2 | 228.6 | 234.8  | 243.3 |
| 65°    | 155.8 | 161.2 | 166.6 | 170.5 | 173.6 | 177.5 | 183.7 | 192.2 | 202.3 | 208.5  | 217.0 |
| 67.5°  | 131.0 | 134.8 | 141.8 | 145.7 | 151.9 | 156.5 | 160.4 | 167.4 | 179.8 | 182.1  | 189.1 |
| 70°    | 113.1 | 114.7 | 117.8 | 120.9 | 127.9 | 131.7 | 136.4 | 143.4 | 152.7 | 158.1  | 162.0 |
| 72.5°  | 95.3  | 96.1  | 97.6  | 100.7 | 103.8 | 108.5 | 113.9 | 120.1 | 128.6 | 131.0  | 136.4 |
| 75°    | 75.9  | 80.6  | 80.6  | 82.9  | 85.2  | 87.6  | 92.2  | 98.4  | 103.8 | 107.7  | 110.8 |
| 77.5°  | 56.6  | 58.9  | 60.4  | 64.3  | 67.4  | 69.7  | 72.8  | 77.5  | 80.6  | 83.7   | 86.0  |
| 80°    | 44.2  | 44.9  | 45.7  | 45.7  | 47.3  | 50.4  | 53.5  | 56.6  | 60.4  | 62.0   | 64.3  |
| 82.5°  | 32.5  | 32.5  | 32.5  | 34.1  | 34.9  | 35.6  | 35.6  | 37.2  | 41.1  | 42.6   | 44.9  |
| 85°    | 20.9  | 20.9  | 20.9  | 20.9  | 21.7  | 22.5  | 23.2  | 24.0  | 24.0  | 24.0   | 25.6  |
| 87.5°  | 8.5   | 10.1  | 9.3   | 10.1  | 10.1  | 10.1  | 10.1  | 10.8  | 10.8  | 11.6   | 11.6  |
| 90°    | 9.8   | 9.3   | 8.8   | 8.3   | 7.8   | 7.2   | 6.6   | 5.9   | 5.3   | 5.0    | 4.6   |
| 92.5°  | 9.4   | 8.9   | 8.4   | 8.0   | 7.5   | 6.9   | 6.2   | 5.6   | 4.9   | 4.6    | 4.7   |
| 95°    | 9.8   | 9.3   | 8.8   | 8.3   | 7.8   | 7.7   | 7.7   | 7.6   | 7.5   | 7.5    | 8.8   |
| 97.5°  | 9.4   | 9.0   | 8.6   | 8.2   | 7.8   | 16.1  | 24.4  | 32.7  | 41.0  | 45.2   | 44.3  |
| 100°   | 10.3  | 11.6  | 12.9  | 14.3  | 15.6  | 26.5  | 37.4  | 48.3  | 59.2  | 64.7   | 64.0  |
| 102.5° | 19.2  | 37.0  | 54.7  | 72.5  | 90.3  | 89.3  | 88.4  | 87.4  | 86.5  | 86.0   | 85.5  |
| 105°   | 113.7 | 113.0 | 112.3 | 111.6 | 110.9 | 110.5 | 110.1 | 109.8 | 109.4 | 109.2  | 109.0 |
| 107.5° | 135.3 | 134.9 | 134.5 | 134.1 | 133.7 | 133.1 | 132.6 | 132.0 | 131.5 | 131.2  | 131.1 |
| 110°   | 157.4 | 157.3 | 157.1 | 157.0 | 156.8 | 156.3 | 155.9 | 155.4 | 154.9 | 154.7  | 154.6 |

TEST NUMBER: P1013369

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 178.8 | 178.9 | 179.0 | 179.1 | 179.2 | 179.0 | 178.9 | 178.7 | 178.6 | 178.5  | 178.3 |
| 115°   | 201.1 | 201.0 | 200.8 | 200.7 | 200.5 | 200.6 | 200.7 | 200.8 | 200.9 | 200.9  | 200.8 |
| 117.5° | 222.9 | 223.0 | 223.1 | 223.2 | 223.3 | 223.1 | 222.8 | 222.6 | 222.3 | 222.2  | 222.0 |
| 120°   | 243.8 | 243.7 | 243.5 | 243.4 | 243.2 | 243.3 | 243.4 | 243.5 | 243.6 | 243.6  | 243.4 |
| 122.5° | 263.8 | 263.7 | 263.6 | 263.6 | 263.5 | 263.3 | 263.2 | 263.0 | 262.9 | 262.8  | 262.7 |
| 125°   | 282.6 | 282.3 | 282.1 | 281.8 | 281.6 | 281.8 | 281.9 | 282.1 | 282.2 | 282.3  | 282.1 |
| 127.5° | 300.8 | 300.9 | 301.0 | 301.1 | 301.2 | 300.8 | 300.4 | 300.0 | 299.6 | 299.4  | 299.4 |
| 130°   | 318.2 | 318.1 | 318.0 | 318.0 | 317.9 | 317.7 | 317.4 | 317.2 | 316.9 | 316.8  | 316.8 |
| 132.5° | 334.9 | 334.8 | 334.7 | 334.7 | 334.6 | 334.3 | 334.0 | 333.7 | 333.4 | 333.2  | 333.1 |
| 135°   | 350.1 | 350.0 | 349.8 | 349.7 | 349.5 | 349.2 | 348.9 | 348.6 | 348.3 | 348.1  | 348.1 |
| 137.5° | 365.1 | 365.0 | 364.8 | 364.7 | 364.5 | 364.1 | 363.7 | 363.3 | 362.9 | 362.7  | 362.7 |
| 140°   | 378.9 | 378.7 | 378.4 | 378.2 | 378.0 | 377.8 | 377.7 | 377.5 | 377.4 | 377.3  | 377.2 |
| 142.5° | 391.4 | 391.3 | 391.1 | 391.0 | 390.8 | 390.7 | 390.6 | 390.5 | 390.4 | 390.4  | 390.2 |
| 145°   | 403.2 | 403.1 | 403.0 | 403.0 | 402.9 | 402.9 | 402.9 | 402.9 | 402.9 | 402.9  | 402.8 |
| 147.5° | 413.9 | 413.8 | 413.7 | 413.6 | 413.5 | 413.6 | 413.7 | 413.8 | 413.9 | 413.9  | 413.7 |
| 150°   | 423.8 | 423.8 | 423.8 | 423.8 | 423.8 | 423.9 | 424.0 | 424.1 | 424.2 | 424.2  | 424.0 |
| 152.5° | 433.0 | 432.9 | 432.7 | 432.6 | 432.4 | 432.6 | 432.7 | 432.9 | 433.0 | 433.1  | 433.0 |
| 155°   | 441.1 | 440.8 | 440.5 | 440.1 | 439.8 | 440.0 | 440.3 | 440.5 | 440.8 | 440.9  | 440.9 |
| 157.5° | 448.2 | 447.8 | 447.4 | 447.0 | 446.6 | 446.9 | 447.2 | 447.5 | 447.8 | 448.0  | 448.0 |
| 160°   | 454.9 | 454.4 | 453.9 | 453.5 | 453.0 | 453.1 | 453.1 | 453.2 | 453.3 | 453.3  | 453.4 |
| 162.5° | 460.3 | 459.8 | 459.3 | 458.8 | 458.3 | 458.4 | 458.5 | 458.6 | 458.7 | 458.7  | 458.9 |
| 165°   | 465.5 | 464.8 | 464.2 | 463.5 | 462.9 | 462.9 | 462.9 | 462.9 | 462.9 | 462.9  | 463.1 |
| 167.5° | 469.3 | 468.6 | 467.9 | 467.2 | 466.5 | 466.6 | 466.7 | 466.8 | 466.9 | 466.9  | 467.1 |
| 170°   | 472.6 | 472.0 | 471.3 | 470.7 | 470.1 | 470.0 | 469.9 | 469.8 | 469.7 | 469.7  | 469.9 |
| 172.5° | 474.7 | 474.1 | 473.4 | 472.8 | 472.2 | 472.1 | 472.0 | 471.9 | 471.8 | 471.8  | 472.0 |
| 175°   | 476.4 | 475.7 | 475.0 | 474.3 | 473.6 | 473.5 | 473.5 | 473.4 | 473.3 | 473.3  | 473.5 |
| 177.5° | 477.2 | 476.6 | 475.9 | 475.3 | 474.7 | 474.5 | 474.4 | 474.2 | 474.1 | 474.0  | 474.3 |
| 180°   | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4 | 475.4  | 475.4 |

TEST NUMBER: P1013369

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 0°     | 961.7 | 961.7 | 961.7 | 961.7 |
| 2.5°   | 940.0 | 944.6 | 952.4 | 963.2 |
| 5°     | 918.3 | 931.5 | 943.9 | 960.1 |
| 7.5°   | 898.9 | 914.4 | 931.5 | 954.7 |
| 10°    | 876.4 | 895.8 | 917.5 | 946.2 |
| 12.5°  | 850.1 | 877.2 | 902.0 | 933.0 |
| 15°    | 830.7 | 850.9 | 882.6 | 919.1 |
| 17.5°  | 803.6 | 830.7 | 862.5 | 903.6 |
| 20°    | 778.0 | 806.7 | 842.3 | 885.0 |
| 22.5°  | 750.9 | 783.4 | 819.1 | 864.8 |
| 25°    | 723.0 | 757.9 | 793.5 | 842.3 |
| 27.5°  | 697.4 | 729.2 | 769.5 | 819.1 |
| 30°    | 666.4 | 702.9 | 741.6 | 793.5 |
| 32.5°  | 636.2 | 674.2 | 713.7 | 765.6 |
| 35°    | 603.7 | 641.6 | 685.0 | 734.6 |
| 37.5°  | 571.9 | 613.7 | 653.3 | 701.3 |
| 40°    | 537.0 | 580.4 | 621.5 | 670.3 |
| 42.5°  | 502.9 | 547.9 | 588.9 | 630.8 |
| 45°    | 471.2 | 515.3 | 552.5 | 592.0 |
| 47.5°  | 440.9 | 480.4 | 518.4 | 554.1 |
| 50°    | 411.5 | 444.8 | 479.7 | 509.1 |
| 52.5°  | 380.5 | 412.3 | 440.2 | 466.5 |
| 55°    | 352.6 | 377.4 | 402.2 | 426.2 |
| 57.5°  | 319.3 | 344.1 | 365.8 | 384.4 |
| 60°    | 291.4 | 306.9 | 327.8 | 347.2 |
| 62.5°  | 259.6 | 277.4 | 293.7 | 306.1 |
| 65°    | 228.6 | 244.1 | 256.5 | 267.3 |
| 67.5°  | 202.3 | 211.6 | 220.9 | 232.5 |
| 70°    | 170.5 | 178.2 | 189.1 | 197.6 |
| 72.5°  | 143.4 | 149.6 | 155.0 | 165.1 |
| 75°    | 116.2 | 121.7 | 124.8 | 134.1 |
| 77.5°  | 89.9  | 95.3  | 97.6  | 103.1 |
| 80°    | 69.0  | 69.7  | 72.8  | 77.5  |
| 82.5°  | 47.3  | 48.8  | 49.6  | 53.5  |
| 85°    | 27.1  | 31.0  | 30.2  | 31.8  |
| 87.5°  | 11.6  | 12.4  | 13.9  | 15.5  |
| 90°    | 3.7   | 2.8   | 2.0   | 1.1   |
| 92.5°  | 4.8   | 5.0   | 5.1   | 5.3   |
| 95°    | 11.5  | 14.2  | 16.9  | 19.6  |
| 97.5°  | 42.6  | 40.8  | 39.1  | 37.3  |
| 100°   | 62.6  | 61.1  | 59.7  | 58.3  |
| 102.5° | 84.6  | 83.7  | 82.7  | 81.8  |
| 105°   | 108.5 | 108.0 | 107.5 | 107.0 |
| 107.5° | 130.8 | 130.6 | 130.3 | 130.1 |
| 110°   | 154.3 | 154.1 | 153.8 | 153.6 |

TEST NUMBER: P1013369

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 177.8 | 177.3 | 176.9 | 176.4 |
| 115°   | 200.5 | 200.3 | 200.0 | 199.8 |
| 117.5° | 221.7 | 221.4 | 221.1 | 220.8 |
| 120°   | 243.1 | 242.8 | 242.4 | 242.1 |
| 122.5° | 262.6 | 262.4 | 262.3 | 262.1 |
| 125°   | 281.8 | 281.5 | 281.2 | 280.9 |
| 127.5° | 299.3 | 299.2 | 299.1 | 299.0 |
| 130°   | 316.7 | 316.6 | 316.6 | 316.5 |
| 132.5° | 333.0 | 332.8 | 332.7 | 332.5 |
| 135°   | 348.2 | 348.3 | 348.4 | 348.5 |
| 137.5° | 362.7 | 362.7 | 362.7 | 362.7 |
| 140°   | 377.0 | 376.9 | 376.7 | 376.5 |
| 142.5° | 389.9 | 389.6 | 389.3 | 389.0 |
| 145°   | 402.5 | 402.3 | 402.0 | 401.8 |
| 147.5° | 413.2 | 412.7 | 412.2 | 411.7 |
| 150°   | 423.7 | 423.4 | 423.1 | 422.8 |
| 152.5° | 432.7 | 432.5 | 432.2 | 432.0 |
| 155°   | 440.8 | 440.7 | 440.6 | 440.5 |
| 157.5° | 448.0 | 448.0 | 448.0 | 448.0 |
| 160°   | 453.7 | 453.9 | 454.2 | 454.4 |
| 162.5° | 459.2 | 459.5 | 459.8 | 460.1 |
| 165°   | 463.5 | 463.9 | 464.3 | 464.7 |
| 167.5° | 467.5 | 467.8 | 468.2 | 468.6 |
| 170°   | 470.4 | 470.9 | 471.3 | 471.8 |
| 172.5° | 472.5 | 473.0 | 473.5 | 474.0 |
| 175°   | 474.0 | 474.5 | 474.9 | 475.4 |
| 177.5° | 474.8 | 475.4 | 475.9 | 476.5 |
| 180°   | 475.4 | 475.4 | 475.4 | 475.4 |

(END OF REPORT)