

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: P1008306

Luminaire Tested: S122RDIP-B1005D330UB2750-4F0-XX-W2A-A\_3500K

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1008306  
REPORT IS A COMBINATION OF REPORTS P987866 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S122RDIP-B1005D330UB2750-4F0-XX-W2A-A\_3500K  
Description: Define 2 Regressed Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721}  
{m-EER=0.792}  
Light Source: -  
Ballast/Driver: -

**Summary**

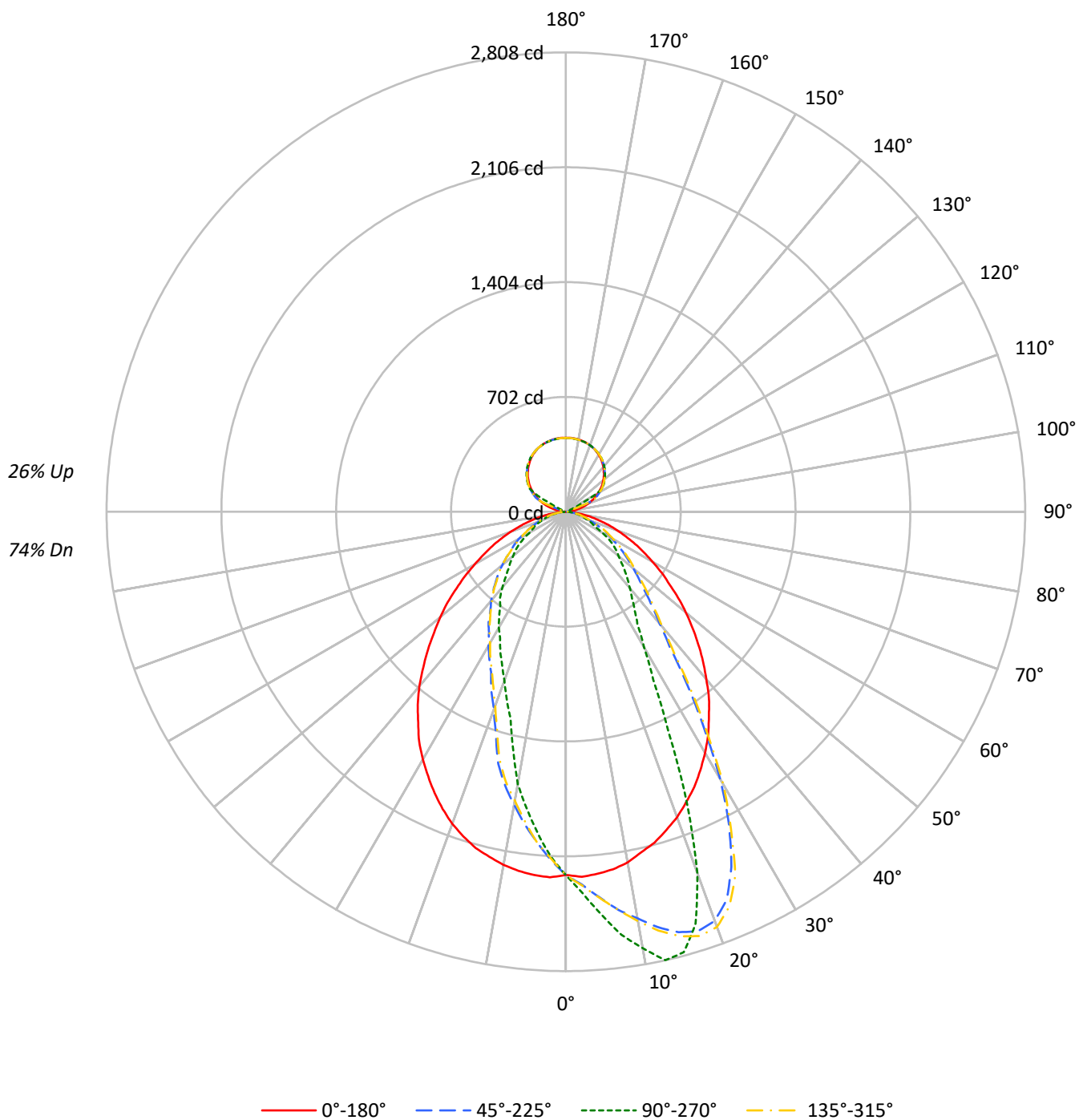
Lumens per Lamp: N/A  
Luminaire Lumens: 5160.0 lumens  
Efficiency: N/A  
Efficacy: 73.1 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 70.6  
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: P1008306

CATALOG NUMBER: S122RDIP-B1005D330UB2750-4F0-XX-W2A-A\_3500K

### Luminous Intensity Polar Plot



TEST NUMBER: P1008306

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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 | 50 | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 113 | 113 | 113 | 113 | 107 | 107 | 107 | 107 | 97 | 97 | 97 | 87 | 87 | 87 | 78 | 78 | 78 | 74 |    |    |
| 1   | 104 | 100 | 97  | 93  | 99  | 96  | 92  | 90  | 87 | 84 | 82 | 79 | 77 | 75 | 71 | 70 | 69 | 65 |    |    |
| 2   | 96  | 89  | 83  | 78  | 91  | 85  | 80  | 76  | 78 | 74 | 70 | 71 | 67 | 65 | 64 | 62 | 60 | 56 |    |    |
| 3   | 89  | 80  | 73  | 67  | 84  | 76  | 70  | 65  | 70 | 65 | 60 | 64 | 60 | 56 | 58 | 55 | 52 | 49 |    |    |
| 4   | 82  | 71  | 64  | 58  | 78  | 68  | 62  | 56  | 63 | 57 | 53 | 58 | 53 | 50 | 53 | 49 | 46 | 44 |    |    |
| 5   | 76  | 65  | 57  | 51  | 72  | 62  | 55  | 50  | 57 | 51 | 47 | 53 | 48 | 44 | 48 | 44 | 41 | 39 |    |    |
| 6   | 70  | 59  | 51  | 45  | 67  | 56  | 49  | 44  | 52 | 46 | 42 | 48 | 43 | 39 | 44 | 40 | 37 | 35 |    |    |
| 7   | 66  | 54  | 46  | 40  | 62  | 52  | 45  | 39  | 48 | 42 | 37 | 44 | 39 | 36 | 41 | 37 | 34 | 31 |    |    |
| 8   | 61  | 49  | 42  | 37  | 58  | 48  | 41  | 36  | 44 | 38 | 34 | 41 | 36 | 32 | 38 | 34 | 31 | 29 |    |    |
| 9   | 57  | 45  | 38  | 33  | 55  | 44  | 37  | 32  | 41 | 35 | 31 | 38 | 33 | 30 | 36 | 31 | 28 | 26 |    |    |
| 10  | 54  | 42  | 35  | 30  | 52  | 41  | 34  | 30  | 38 | 32 | 28 | 36 | 31 | 27 | 33 | 29 | 26 | 24 |    |    |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 35136 | 35136 | 35136 | 35136 |
| 5°  | 35219 | 37321 | 35341 | 29815 |
| 10° | 34832 | 39447 | 35078 | 24620 |
| 15° | 34076 | 39460 | 34652 | 18497 |
| 20° | 33166 | 32618 | 33887 | 15259 |
| 25° | 32063 | 20381 | 32758 | 12981 |
| 30° | 30656 | 13049 | 31490 | 11176 |
| 35° | 28945 | 10028 | 29881 | 9564  |
| 40° | 27037 | 8430  | 28191 | 8366  |
| 45° | 24998 | 7174  | 26042 | 7022  |
| 50° | 22907 | 6096  | 23978 | 6075  |
| 55° | 20592 | 5297  | 21703 | 5228  |
| 60° | 18538 | 4040  | 19518 | 3991  |
| 65° | 16616 | 3041  | 17604 | 3448  |
| 70° | 14495 | 2429  | 15634 | 2811  |
| 75° | 12251 | 1860  | 13375 | 2126  |
| 80° | 9732  | 1266  | 10467 | 1394  |
| 85° | 6752  | 654   | 7402  | 689   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 32142 cd/sqm

TEST NUMBER: P1008306

CATALOG NUMBER: S122RDIP-B1005D330UB2750-4F0-XX-W2A-A\_3500K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 210.5  | 4.1       |
| 10°-20°   | 587.7  | 11.4      |
| 20°-30°   | 756.4  | 14.7      |
| 30°-40°   | 717.5  | 13.9      |
| 40°-50°   | 615.0  | 11.9      |
| 50°-60°   | 468.3  | 9.1       |
| 60°-70°   | 295.3  | 5.7       |
| 70°-80°   | 147.3  | 2.9       |
| 80°-90°   | 38.7   | 0.7       |
| 90°-100°  | 14.9   | 0.3       |
| 100°-110° | 55.5   | 1.1       |
| 110°-120° | 147.1  | 2.9       |
| 120°-130° | 244.0  | 4.7       |
| 130°-140° | 259.2  | 5.0       |
| 140°-150° | 240.9  | 4.7       |
| 150°-160° | 193.7  | 3.8       |
| 160°-170° | 124.8  | 2.4       |
| 170°-180° | 43.0   | 0.8       |
| 0°-30°    | 1554.6 | 30.1      |
| 0°-40°    | 2272.1 | 44.0      |
| 0°-60°    | 3355.4 | 65.0      |
| 0°-90°    | 3836.8 | 74.4      |
| 90°-120°  | 217.5  | 4.2       |
| 90°-150°  | 961.7  | 18.6      |
| 90°-180°  | 1323.0 | 25.6      |
| 0°-180°   | 5160.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 2220 | 2220 | 2220 | 2220 | 2220 |      |
| 5°   | 2221 | 2470 | 2229 | 1973 | 2221 | 211  |
| 15°  | 2093 | 2787 | 2129 | 1307 | 2093 | 589  |
| 25°  | 1857 | 1487 | 1897 | 947  | 1857 | 853  |
| 35°  | 1524 | 733  | 1573 | 699  | 1524 | 954  |
| 45°  | 1145 | 509  | 1192 | 498  | 1145 | 883  |
| 55°  | 773  | 353  | 814  | 349  | 773  | 696  |
| 65°  | 467  | 184  | 495  | 208  | 467  | 464  |
| 75°  | 219  | 97   | 239  | 111  | 219  | 237  |
| 85°  | 48   | 28   | 52   | 29   | 48   | 54   |
| 90°  | 0    | 9    | 0    | 9    | 0    | 4    |
| 95°  | 21   | 14   | 21   | 14   | 21   | 25   |
| 105° | 99   | 25   | 99   | 25   | 99   | 106  |
| 115° | 188  | 27   | 188  | 27   | 188  | 185  |
| 125° | 266  | 279  | 266  | 279  | 266  | 237  |
| 135° | 329  | 339  | 329  | 339  | 329  | 254  |
| 145° | 381  | 387  | 381  | 387  | 381  | 238  |
| 155° | 420  | 420  | 420  | 420  | 420  | 193  |
| 165° | 442  | 441  | 442  | 441  | 442  | 125  |
| 175° | 452  | 450  | 452  | 450  | 452  | 43   |
| 180° | 451  | 451  | 451  | 451  | 451  |      |

TEST NUMBER: P1008306

CATALOG NUMBER: S122RDIP-B1005D330UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 |
| 2.5°   | 2233.6 | 2242.9 | 2247.5 | 2253.7 | 2267.6 | 2276.8 | 2290.7 | 2293.8 | 2292.2 | 2298.4 | 2281.5 |
| 5°     | 2221.3 | 2241.3 | 2259.9 | 2275.3 | 2300.0 | 2315.4 | 2332.4 | 2352.4 | 2357.0 | 2380.2 | 2366.3 |
| 7.5°   | 2204.3 | 2233.6 | 2259.9 | 2290.7 | 2327.7 | 2347.8 | 2374.0 | 2404.9 | 2418.7 | 2446.5 | 2454.2 |
| 10°    | 2176.6 | 2218.2 | 2262.9 | 2295.3 | 2346.2 | 2381.7 | 2406.4 | 2455.8 | 2488.2 | 2529.8 | 2523.6 |
| 12.5°  | 2131.8 | 2185.8 | 2246.0 | 2300.0 | 2366.3 | 2389.4 | 2435.7 | 2486.6 | 2528.3 | 2566.8 | 2600.8 |
| 15°    | 2093.3 | 2155.0 | 2221.3 | 2287.6 | 2363.2 | 2406.4 | 2452.7 | 2519.0 | 2563.7 | 2631.6 | 2660.9 |
| 17.5°  | 2040.8 | 2119.5 | 2198.2 | 2272.2 | 2361.7 | 2411.0 | 2468.1 | 2532.9 | 2599.2 | 2664.0 | 2687.1 |
| 20°    | 1986.8 | 2071.7 | 2156.5 | 2256.8 | 2358.6 | 2406.4 | 2465.0 | 2545.2 | 2610.0 | 2660.9 | 2660.9 |
| 22.5°  | 1922.0 | 2025.4 | 2122.6 | 2218.2 | 2329.3 | 2398.7 | 2458.8 | 2552.9 | 2599.2 | 2610.0 | 2568.4 |
| 25°    | 1857.2 | 1960.6 | 2067.0 | 2185.8 | 2312.3 | 2374.0 | 2441.9 | 2529.8 | 2545.2 | 2502.0 | 2394.1 |
| 27.5°  | 1780.1 | 1895.8 | 2016.1 | 2144.2 | 2276.8 | 2354.0 | 2415.7 | 2474.3 | 2445.0 | 2329.3 | 2161.1 |
| 30°    | 1701.4 | 1826.4 | 1962.1 | 2084.0 | 2244.4 | 2315.4 | 2367.8 | 2384.8 | 2292.2 | 2104.1 | 1886.6 |
| 32.5°  | 1619.7 | 1741.6 | 1885.0 | 2031.6 | 2193.5 | 2261.4 | 2295.3 | 2250.6 | 2080.9 | 1843.4 | 1578.0 |
| 35°    | 1524.1 | 1661.3 | 1811.0 | 1963.7 | 2124.1 | 2175.0 | 2195.1 | 2085.5 | 1868.0 | 1561.1 | 1297.3 |
| 37.5°  | 1437.7 | 1575.0 | 1735.4 | 1891.2 | 2047.0 | 2074.7 | 2054.7 | 1883.5 | 1607.4 | 1303.5 | 1045.9 |
| 40°    | 1335.9 | 1482.4 | 1639.7 | 1814.1 | 1942.1 | 1949.8 | 1900.4 | 1678.3 | 1335.9 | 1050.5 | 891.6  |
| 42.5°  | 1241.8 | 1389.8 | 1547.2 | 1724.6 | 1821.8 | 1795.5 | 1729.2 | 1437.7 | 1115.3 | 905.5  | 777.5  |
| 45°    | 1144.6 | 1285.0 | 1454.6 | 1612.0 | 1681.4 | 1619.7 | 1519.4 | 1209.4 | 936.3  | 779.0  | 680.3  |
| 47.5°  | 1050.5 | 1181.6 | 1349.7 | 1500.9 | 1513.3 | 1443.8 | 1325.1 | 1013.5 | 811.4  | 684.9  | 604.7  |
| 50°    | 957.9  | 1089.0 | 1246.4 | 1371.3 | 1359.0 | 1263.4 | 1129.2 | 880.8  | 705.0  | 604.7  | 538.4  |
| 52.5°  | 865.4  | 984.2  | 1136.9 | 1235.6 | 1183.1 | 1090.6 | 957.9  | 746.6  | 615.5  | 527.6  | 476.7  |
| 55°    | 772.8  | 883.9  | 1015.0 | 1096.8 | 1013.5 | 907.0  | 812.9  | 640.2  | 533.7  | 462.8  | 424.2  |
| 57.5°  | 695.7  | 783.6  | 903.9  | 953.3  | 853.0  | 769.7  | 688.0  | 550.7  | 462.8  | 411.9  | 367.1  |
| 60°    | 610.9  | 691.1  | 789.8  | 819.1  | 715.7  | 647.9  | 578.5  | 465.9  | 396.4  | 351.7  | 322.4  |
| 62.5°  | 538.4  | 604.7  | 680.3  | 680.3  | 589.3  | 538.4  | 485.9  | 390.3  | 333.2  | 297.7  | 283.8  |
| 65°    | 467.4  | 515.2  | 569.2  | 563.0  | 485.9  | 441.2  | 399.5  | 322.4  | 279.2  | 254.5  | 240.6  |
| 67.5°  | 398.0  | 435.0  | 470.5  | 448.9  | 393.4  | 354.8  | 316.2  | 260.7  | 231.4  | 214.4  | 195.9  |
| 70°    | 334.7  | 364.0  | 382.6  | 362.5  | 307.0  | 274.6  | 246.8  | 209.8  | 186.7  | 165.1  | 154.3  |
| 72.5°  | 280.7  | 293.1  | 299.3  | 274.6  | 228.3  | 209.8  | 189.7  | 163.5  | 143.5  | 132.7  | 129.6  |
| 75°    | 219.0  | 229.8  | 225.2  | 206.7  | 168.1  | 154.3  | 138.8  | 120.3  | 115.7  | 109.5  | 106.4  |
| 77.5°  | 171.2  | 171.2  | 163.5  | 146.5  | 120.3  | 109.5  | 103.4  | 94.1   | 89.5   | 87.9   | 84.8   |
| 80°    | 121.9  | 120.3  | 115.7  | 97.2   | 81.8   | 75.6   | 75.6   | 69.4   | 67.9   | 64.8   | 64.8   |
| 82.5°  | 80.2   | 80.2   | 74.0   | 58.6   | 54.0   | 52.4   | 50.9   | 47.8   | 47.8   | 46.3   | 46.3   |
| 85°    | 47.8   | 44.7   | 37.0   | 32.4   | 30.9   | 30.9   | 29.3   | 27.8   | 29.3   | 27.8   | 27.8   |
| 87.5°  | 21.6   | 17.0   | 12.3   | 12.3   | 12.3   | 12.3   | 12.3   | 12.3   | 12.3   | 12.3   | 12.3   |
| 90°    | 0.3    | 1.1    | 1.9    | 2.7    | 3.5    | 3.9    | 4.2    | 4.8    | 5.3    | 5.9    | 6.5    |
| 92.5°  | 8.2    | 7.9    | 7.6    | 7.3    | 7.0    | 6.9    | 7.0    | 7.2    | 7.4    | 7.6    | 7.8    |
| 95°    | 21.2   | 18.8   | 16.4   | 14.1   | 11.7   | 10.5   | 10.7   | 11.2   | 11.7   | 12.2   | 12.7   |
| 97.5°  | 38.2   | 32.2   | 26.3   | 20.3   | 14.4   | 11.4   | 12.0   | 13.2   | 14.3   | 15.5   | 16.7   |
| 100°   | 57.8   | 47.9   | 37.9   | 28.0   | 18.1   | 13.1   | 13.7   | 14.9   | 16.2   | 17.4   | 18.6   |
| 102.5° | 79.4   | 79.2   | 79.1   | 78.9   | 78.8   | 78.7   | 72.1   | 58.9   | 45.7   | 32.5   | 19.3   |
| 105°   | 99.3   | 101.5  | 103.7  | 105.8  | 108.0  | 109.1  | 99.2   | 79.4   | 59.5   | 39.7   | 19.9   |
| 107.5° | 122.5  | 124.3  | 126.1  | 127.9  | 129.7  | 130.6  | 118.4  | 93.9   | 69.5   | 45.0   | 20.6   |
| 110°   | 144.7  | 146.2  | 147.7  | 149.2  | 150.7  | 151.5  | 141.0  | 120.1  | 99.1   | 78.2   | 57.2   |

TEST NUMBER: P1008306

CATALOG NUMBER: S122RDIP-B1005D330UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 165.6 | 166.9 | 168.2 | 169.5 | 170.8 | 171.5 | 170.9 | 169.6 | 168.4 | 167.1 | 165.9 |
| 115°   | 187.8 | 189.0 | 190.2 | 191.5 | 192.7 | 193.3 | 194.2 | 196.0 | 197.9 | 199.7 | 201.5 |
| 117.5° | 207.1 | 208.5 | 210.0 | 211.4 | 212.9 | 213.6 | 214.2 | 215.4 | 216.7 | 217.9 | 219.1 |
| 120°   | 228.6 | 229.7 | 230.8 | 231.9 | 233.0 | 233.5 | 234.2 | 235.5 | 236.8 | 238.1 | 239.4 |
| 122.5° | 246.9 | 248.1 | 249.2 | 250.4 | 251.5 | 252.1 | 252.8 | 254.3 | 255.8 | 257.2 | 258.7 |
| 125°   | 265.5 | 266.5 | 267.4 | 268.4 | 269.3 | 269.8 | 270.5 | 271.9 | 273.2 | 274.6 | 276.0 |
| 127.5° | 282.5 | 283.5 | 284.5 | 285.6 | 286.6 | 287.1 | 287.6 | 288.7 | 289.8 | 290.9 | 292.0 |
| 130°   | 298.5 | 299.7 | 300.8 | 302.0 | 303.1 | 303.7 | 304.1 | 304.9 | 305.7 | 306.5 | 307.3 |
| 132.5° | 314.8 | 315.8 | 316.7 | 317.7 | 318.6 | 319.1 | 319.5 | 320.3 | 321.1 | 321.9 | 322.7 |
| 135°   | 328.6 | 329.8 | 330.9 | 332.1 | 333.2 | 333.8 | 334.1 | 334.8 | 335.4 | 336.1 | 336.7 |
| 137.5° | 342.9 | 343.8 | 344.6 | 345.5 | 346.4 | 346.8 | 347.2 | 347.9 | 348.6 | 349.4 | 350.1 |
| 140°   | 357.0 | 357.6 | 358.2 | 358.7 | 359.3 | 359.6 | 360.0 | 360.8 | 361.6 | 362.4 | 363.2 |
| 142.5° | 368.7 | 369.2 | 369.7 | 370.2 | 370.7 | 371.0 | 371.5 | 372.4 | 373.4 | 374.3 | 375.3 |
| 145°   | 381.1 | 381.0 | 381.0 | 380.9 | 380.8 | 380.8 | 381.4 | 382.7 | 383.9 | 385.2 | 386.4 |
| 147.5° | 391.9 | 391.7 | 391.5 | 391.2 | 391.0 | 390.9 | 391.5 | 392.8 | 394.0 | 395.3 | 396.5 |
| 150°   | 402.4 | 401.9 | 401.4 | 400.9 | 400.4 | 400.1 | 400.7 | 401.8 | 403.0 | 404.1 | 405.3 |
| 152.5° | 411.2 | 410.6 | 410.0 | 409.5 | 408.9 | 408.6 | 409.1 | 410.2 | 411.3 | 412.4 | 413.5 |
| 155°   | 419.7 | 419.0 | 418.4 | 417.7 | 417.0 | 416.7 | 417.1 | 418.0 | 418.9 | 419.8 | 420.7 |
| 157.5° | 426.5 | 425.9 | 425.3 | 424.8 | 424.2 | 423.9 | 424.2 | 424.9 | 425.6 | 426.2 | 426.9 |
| 160°   | 432.4 | 432.0 | 431.6 | 431.1 | 430.7 | 430.5 | 430.7 | 431.1 | 431.6 | 432.0 | 432.4 |
| 162.5° | 437.6 | 437.2 | 436.8 | 436.3 | 435.9 | 435.7 | 435.9 | 436.2 | 436.6 | 436.9 | 437.3 |
| 165°   | 442.2 | 441.8 | 441.3 | 440.9 | 440.4 | 440.2 | 440.3 | 440.5 | 440.8 | 441.0 | 441.2 |
| 167.5° | 445.8 | 445.4 | 444.9 | 444.5 | 444.0 | 443.8 | 443.9 | 444.1 | 444.4 | 444.6 | 444.8 |
| 170°   | 448.7 | 448.3 | 447.9 | 447.4 | 447.0 | 446.8 | 446.9 | 447.0 | 447.1 | 447.3 | 447.4 |
| 172.5° | 450.7 | 450.3 | 449.8 | 449.4 | 448.9 | 448.7 | 448.8 | 448.9 | 449.1 | 449.2 | 449.4 |
| 175°   | 452.3 | 451.8 | 451.3 | 450.8 | 450.3 | 450.0 | 450.1 | 450.2 | 450.4 | 450.5 | 450.7 |
| 177.5° | 453.0 | 452.5 | 452.0 | 451.5 | 451.0 | 450.7 | 450.7 | 450.8 | 450.9 | 450.9 | 451.0 |
| 180°   | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 |

TEST NUMBER: P1008306

CATALOG NUMBER: S122RDIP-B1005D330UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 |
| 2.5°   | 2298.4 | 2301.5 | 2306.1 | 2327.7 | 2330.8 | 2337.0 | 2333.9 | 2333.9 | 2335.4 | 2332.4 | 2333.9 |
| 5°     | 2397.1 | 2401.8 | 2424.9 | 2451.1 | 2457.3 | 2451.1 | 2458.8 | 2469.6 | 2469.6 | 2469.6 | 2466.6 |
| 7.5°   | 2489.7 | 2506.7 | 2532.9 | 2571.5 | 2579.2 | 2586.9 | 2600.8 | 2591.5 | 2594.6 | 2608.5 | 2603.8 |
| 10°    | 2579.2 | 2603.8 | 2633.2 | 2665.5 | 2682.5 | 2693.3 | 2699.5 | 2713.4 | 2745.8 | 2708.7 | 2722.6 |
| 12.5°  | 2664.0 | 2699.5 | 2730.3 | 2765.8 | 2778.2 | 2792.0 | 2796.7 | 2809.0 | 2809.0 | 2807.5 | 2818.3 |
| 15°    | 2719.5 | 2751.9 | 2779.7 | 2802.8 | 2805.9 | 2802.8 | 2799.8 | 2801.3 | 2805.9 | 2787.4 | 2798.2 |
| 17.5°  | 2731.9 | 2735.0 | 2744.2 | 2735.0 | 2736.5 | 2704.1 | 2685.6 | 2681.0 | 2637.8 | 2639.3 | 2674.8 |
| 20°    | 2671.7 | 2619.3 | 2605.4 | 2554.5 | 2523.6 | 2440.3 | 2437.2 | 2414.1 | 2323.1 | 2350.9 | 2344.7 |
| 22.5°  | 2506.7 | 2417.2 | 2298.4 | 2239.8 | 2210.5 | 2122.6 | 2054.7 | 2006.9 | 1974.5 | 1942.1 | 1928.2 |
| 25°    | 2289.2 | 2144.2 | 1976.0 | 1860.3 | 1843.4 | 1761.6 | 1636.7 | 1578.0 | 1508.6 | 1487.0 | 1524.1 |
| 27.5°  | 2008.4 | 1820.2 | 1630.5 | 1453.1 | 1420.7 | 1346.7 | 1283.4 | 1241.8 | 1161.5 | 1156.9 | 1160.0 |
| 30°    | 1627.4 | 1437.7 | 1278.8 | 1163.1 | 1082.9 | 1048.9 | 1007.3 | 976.4  | 944.0  | 956.4  | 959.5  |
| 32.5°  | 1337.4 | 1156.9 | 1008.8 | 947.1  | 910.1  | 888.5  | 853.0  | 833.0  | 819.1  | 814.5  | 812.9  |
| 35°    | 1062.8 | 942.5  | 876.2  | 816.0  | 794.4  | 779.0  | 752.8  | 743.5  | 731.2  | 732.7  | 732.7  |
| 37.5°  | 910.1  | 809.8  | 760.5  | 729.6  | 709.6  | 701.9  | 684.9  | 675.6  | 667.9  | 664.8  | 669.5  |
| 40°    | 785.2  | 715.7  | 684.9  | 657.1  | 640.2  | 637.1  | 627.8  | 617.0  | 607.8  | 609.3  | 613.9  |
| 42.5°  | 694.2  | 654.0  | 617.0  | 595.4  | 583.1  | 578.5  | 570.7  | 563.0  | 563.0  | 558.4  | 556.9  |
| 45°    | 621.7  | 589.3  | 558.4  | 538.4  | 530.6  | 524.5  | 515.2  | 513.7  | 507.5  | 509.0  | 510.6  |
| 47.5°  | 556.9  | 530.6  | 507.5  | 487.4  | 479.7  | 478.2  | 468.9  | 462.8  | 462.8  | 461.2  | 459.7  |
| 50°    | 498.2  | 472.0  | 452.0  | 441.2  | 430.4  | 427.3  | 425.7  | 424.2  | 421.1  | 421.1  | 422.7  |
| 52.5°  | 450.4  | 424.2  | 408.8  | 399.5  | 393.4  | 390.3  | 390.3  | 388.7  | 388.7  | 388.7  | 387.2  |
| 55°    | 398.0  | 376.4  | 364.0  | 361.0  | 357.9  | 356.3  | 354.8  | 351.7  | 350.2  | 353.2  | 350.2  |
| 57.5°  | 348.6  | 340.9  | 330.1  | 327.0  | 319.3  | 319.3  | 314.7  | 311.6  | 308.5  | 311.6  | 311.6  |
| 60°    | 310.1  | 299.3  | 293.1  | 283.8  | 277.7  | 271.5  | 263.8  | 262.2  | 259.2  | 257.6  | 256.1  |
| 62.5°  | 269.9  | 260.7  | 245.3  | 231.4  | 222.1  | 216.0  | 212.9  | 211.3  | 211.3  | 209.8  | 209.8  |
| 65°    | 225.2  | 203.6  | 195.9  | 191.3  | 189.7  | 188.2  | 185.1  | 183.6  | 185.1  | 183.6  | 185.1  |
| 67.5°  | 175.9  | 172.8  | 168.1  | 165.1  | 163.5  | 162.0  | 162.0  | 160.4  | 160.4  | 160.4  | 160.4  |
| 70°    | 152.7  | 145.0  | 143.5  | 140.4  | 140.4  | 138.8  | 138.8  | 138.8  | 138.8  | 137.3  | 140.4  |
| 72.5°  | 126.5  | 121.9  | 120.3  | 118.8  | 118.8  | 118.8  | 117.2  | 117.2  | 117.2  | 115.7  | 117.2  |
| 75°    | 103.4  | 101.8  | 98.7   | 98.7   | 97.2   | 98.7   | 97.2   | 97.2   | 95.6   | 97.2   | 97.2   |
| 77.5°  | 83.3   | 81.8   | 80.2   | 80.2   | 78.7   | 78.7   | 78.7   | 78.7   | 78.7   | 78.7   | 80.2   |
| 80°    | 63.2   | 61.7   | 60.2   | 61.7   | 60.2   | 61.7   | 60.2   | 60.2   | 61.7   | 60.2   | 60.2   |
| 82.5°  | 46.3   | 44.7   | 44.7   | 43.2   | 43.2   | 43.2   | 43.2   | 43.2   | 43.2   | 43.2   | 43.2   |
| 85°    | 27.8   | 26.2   | 26.2   | 27.8   | 26.2   | 27.8   | 26.2   | 26.2   | 26.2   | 27.8   | 27.8   |
| 87.5°  | 12.3   | 13.9   | 12.3   | 12.3   | 12.3   | 12.3   | 12.3   | 12.3   | 12.3   | 12.3   | 13.9   |
| 90°    | 6.9    | 7.3    | 7.6    | 8.0    | 8.2    | 8.3    | 8.4    | 8.5    | 8.7    | 8.8    | 8.7    |
| 92.5°  | 8.0    | 8.1    | 8.3    | 8.4    | 8.5    | 8.5    | 8.6    | 8.7    | 8.7    | 8.8    | 8.7    |
| 95°    | 13.1   | 13.5   | 13.8   | 14.2   | 14.4   | 14.4   | 14.3   | 14.2   | 14.1   | 14.0   | 14.1   |
| 97.5°  | 16.9   | 17.1   | 17.3   | 17.5   | 17.6   | 17.6   | 17.7   | 17.8   | 17.9   | 18.0   | 17.9   |
| 100°   | 19.2   | 19.8   | 20.3   | 20.9   | 21.2   | 21.3   | 21.4   | 21.6   | 21.7   | 21.9   | 21.7   |
| 102.5° | 20.1   | 20.9   | 21.7   | 22.5   | 22.9   | 23.0   | 23.2   | 23.4   | 23.6   | 23.8   | 23.6   |
| 105°   | 20.7   | 21.5   | 22.3   | 23.1   | 23.5   | 23.6   | 23.9   | 24.2   | 24.5   | 24.8   | 24.5   |
| 107.5° | 21.4   | 22.2   | 23.0   | 23.8   | 24.2   | 24.3   | 24.6   | 24.9   | 25.2   | 25.5   | 25.2   |
| 110°   | 49.9   | 42.7   | 35.4   | 28.1   | 24.5   | 24.6   | 24.9   | 25.2   | 25.5   | 25.8   | 25.5   |



TEST NUMBER: P1008306

CATALOG NUMBER: S122RDIP-B1005D330UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 134.6 | 103.3 | 72.0  | 40.7  | 25.1  | 25.2  | 25.4  | 25.7  | 25.9  | 26.1  | 25.9  |
| 115°   | 167.9 | 134.3 | 100.7 | 67.1  | 50.3  | 47.7  | 42.5  | 37.2  | 32.0  | 26.8  | 32.0  |
| 117.5° | 208.7 | 198.3 | 188.0 | 177.6 | 172.4 | 162.9 | 143.9 | 124.9 | 105.9 | 86.9  | 105.9 |
| 120°   | 240.3 | 241.1 | 242.0 | 242.9 | 243.3 | 238.4 | 228.6 | 218.8 | 209.0 | 199.2 | 209.0 |
| 122.5° | 259.1 | 259.5 | 260.0 | 260.4 | 260.6 | 260.6 | 260.7 | 260.8 | 260.8 | 260.9 | 260.8 |
| 125°   | 276.5 | 277.0 | 277.5 | 278.0 | 278.3 | 278.4 | 278.6 | 278.8 | 279.0 | 279.2 | 279.0 |
| 127.5° | 292.7 | 293.4 | 294.1 | 294.8 | 295.2 | 295.2 | 295.3 | 295.4 | 295.5 | 295.6 | 295.5 |
| 130°   | 308.1 | 308.9 | 309.7 | 310.5 | 310.9 | 310.9 | 310.8 | 310.7 | 310.7 | 310.6 | 310.7 |
| 132.5° | 323.3 | 324.0 | 324.6 | 325.3 | 325.6 | 325.6 | 325.5 | 325.4 | 325.4 | 325.3 | 325.4 |
| 135°   | 337.4 | 338.2 | 338.9 | 339.6 | 340.0 | 339.9 | 339.8 | 339.6 | 339.5 | 339.3 | 339.5 |
| 137.5° | 350.8 | 351.6 | 352.3 | 353.0 | 353.4 | 353.3 | 353.1 | 352.8 | 352.6 | 352.4 | 352.6 |
| 140°   | 363.8 | 364.5 | 365.1 | 365.8 | 366.1 | 365.9 | 365.6 | 365.2 | 364.9 | 364.5 | 364.9 |
| 142.5° | 375.9 | 376.5 | 377.0 | 377.6 | 377.9 | 377.7 | 377.3 | 377.0 | 376.6 | 376.2 | 376.6 |
| 145°   | 386.9 | 387.4 | 387.9 | 388.4 | 388.6 | 388.4 | 388.1 | 387.7 | 387.4 | 387.0 | 387.4 |
| 147.5° | 396.9 | 397.2 | 397.6 | 397.9 | 398.1 | 398.0 | 397.7 | 397.4 | 397.1 | 396.8 | 397.1 |
| 150°   | 405.7 | 406.2 | 406.6 | 407.1 | 407.3 | 407.1 | 406.7 | 406.4 | 406.0 | 405.6 | 406.0 |
| 152.5° | 413.9 | 414.3 | 414.8 | 415.2 | 415.4 | 415.1 | 414.6 | 414.1 | 413.6 | 413.1 | 413.6 |
| 155°   | 421.1 | 421.5 | 422.0 | 422.4 | 422.6 | 422.3 | 421.7 | 421.2 | 420.6 | 420.0 | 420.6 |
| 157.5° | 427.4 | 427.9 | 428.4 | 428.9 | 429.1 | 428.8 | 428.2 | 427.7 | 427.1 | 426.5 | 427.1 |
| 160°   | 432.8 | 433.3 | 433.7 | 434.2 | 434.4 | 434.1 | 433.6 | 433.1 | 432.6 | 432.1 | 432.6 |
| 162.5° | 437.8 | 438.3 | 438.8 | 439.3 | 439.6 | 439.3 | 438.6 | 438.0 | 437.3 | 436.7 | 437.3 |
| 165°   | 441.7 | 442.2 | 442.7 | 443.2 | 443.5 | 443.2 | 442.7 | 442.2 | 441.7 | 441.2 | 441.7 |
| 167.5° | 445.3 | 445.8 | 446.3 | 446.8 | 447.1 | 446.8 | 446.1 | 445.5 | 444.8 | 444.2 | 444.8 |
| 170°   | 447.9 | 448.4 | 448.9 | 449.4 | 449.7 | 449.4 | 448.7 | 448.1 | 447.4 | 446.8 | 447.4 |
| 172.5° | 449.9 | 450.4 | 450.9 | 451.4 | 451.7 | 451.4 | 450.7 | 450.0 | 449.4 | 448.7 | 449.4 |
| 175°   | 451.2 | 451.7 | 452.2 | 452.7 | 453.0 | 452.6 | 451.9 | 451.2 | 450.4 | 449.7 | 450.4 |
| 177.5° | 451.5 | 452.0 | 452.5 | 453.0 | 453.3 | 453.0 | 452.3 | 451.7 | 451.0 | 450.4 | 451.0 |
| 180°   | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 |

TEST NUMBER: P1008306

CATALOG NUMBER: S122RDIP-B1005D330UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 |
| 2.5°   | 2340.1 | 2329.3 | 2326.2 | 2329.3 | 2326.2 | 2327.7 | 2316.9 | 2276.8 | 2287.6 | 2270.7 | 2279.9 |
| 5°     | 2472.7 | 2463.5 | 2443.4 | 2440.3 | 2437.2 | 2434.2 | 2418.7 | 2383.3 | 2369.4 | 2346.2 | 2344.7 |
| 7.5°   | 2599.2 | 2599.2 | 2583.8 | 2573.0 | 2559.1 | 2548.3 | 2528.3 | 2475.8 | 2454.2 | 2426.5 | 2411.0 |
| 10°    | 2724.2 | 2684.1 | 2701.0 | 2690.2 | 2656.3 | 2650.1 | 2613.1 | 2582.3 | 2540.6 | 2512.8 | 2488.2 |
| 12.5°  | 2813.6 | 2801.3 | 2785.9 | 2776.6 | 2767.4 | 2747.3 | 2722.6 | 2644.0 | 2622.4 | 2566.8 | 2539.1 |
| 15°    | 2810.5 | 2802.8 | 2807.5 | 2807.5 | 2804.4 | 2799.8 | 2779.7 | 2722.6 | 2685.6 | 2631.6 | 2583.8 |
| 17.5°  | 2659.4 | 2679.4 | 2699.5 | 2713.4 | 2744.2 | 2758.1 | 2776.6 | 2742.7 | 2719.5 | 2673.3 | 2622.4 |
| 20°    | 2395.6 | 2445.0 | 2503.6 | 2515.9 | 2543.7 | 2625.4 | 2662.5 | 2691.8 | 2701.0 | 2685.6 | 2644.0 |
| 22.5°  | 2028.5 | 2070.1 | 2212.0 | 2209.0 | 2249.1 | 2346.2 | 2454.2 | 2542.1 | 2611.6 | 2650.1 | 2634.7 |
| 25°    | 1588.8 | 1647.5 | 1723.0 | 1780.1 | 1911.2 | 2056.2 | 2190.4 | 2330.8 | 2451.1 | 2557.6 | 2583.8 |
| 27.5°  | 1201.7 | 1278.8 | 1338.9 | 1414.5 | 1480.9 | 1652.1 | 1824.9 | 2043.9 | 2184.3 | 2386.3 | 2491.2 |
| 30°    | 971.8  | 1007.3 | 1067.5 | 1102.9 | 1135.3 | 1266.4 | 1462.3 | 1678.3 | 1925.1 | 2158.0 | 2338.5 |
| 32.5°  | 829.9  | 854.6  | 899.3  | 914.7  | 948.7  | 1036.6 | 1160.0 | 1357.5 | 1612.0 | 1894.3 | 2131.8 |
| 35°    | 745.1  | 771.3  | 780.5  | 794.4  | 822.2  | 877.7  | 962.6  | 1106.0 | 1335.9 | 1612.0 | 1895.8 |
| 37.5°  | 672.6  | 686.4  | 712.7  | 721.9  | 731.2  | 772.8  | 829.9  | 930.2  | 1082.9 | 1309.6 | 1624.3 |
| 40°    | 621.7  | 629.4  | 643.2  | 651.0  | 657.1  | 686.4  | 737.3  | 805.2  | 917.8  | 1090.6 | 1380.6 |
| 42.5°  | 567.7  | 576.9  | 586.2  | 595.4  | 603.1  | 626.3  | 657.1  | 721.9  | 797.5  | 928.6  | 1138.4 |
| 45°    | 515.2  | 521.4  | 532.2  | 538.4  | 549.2  | 567.7  | 595.4  | 640.2  | 708.0  | 791.3  | 961.0  |
| 47.5°  | 467.4  | 475.1  | 479.7  | 487.4  | 495.2  | 515.2  | 541.4  | 570.7  | 626.3  | 708.0  | 831.4  |
| 50°    | 424.2  | 433.5  | 439.6  | 441.2  | 447.3  | 465.9  | 487.4  | 519.8  | 555.3  | 618.6  | 726.5  |
| 52.5°  | 393.4  | 394.9  | 399.5  | 405.7  | 404.2  | 414.9  | 435.0  | 459.7  | 496.7  | 547.6  | 626.3  |
| 55°    | 357.9  | 362.5  | 365.6  | 367.1  | 367.1  | 376.4  | 387.2  | 410.3  | 439.6  | 481.3  | 547.6  |
| 57.5°  | 313.1  | 317.8  | 327.0  | 330.1  | 334.7  | 339.4  | 344.0  | 359.4  | 384.1  | 424.2  | 478.2  |
| 60°    | 266.9  | 269.9  | 279.2  | 285.4  | 288.5  | 300.8  | 307.0  | 319.3  | 333.2  | 362.5  | 413.4  |
| 62.5°  | 214.4  | 217.5  | 222.1  | 228.3  | 234.5  | 253.0  | 268.4  | 280.7  | 291.5  | 311.6  | 353.2  |
| 65°    | 186.7  | 188.2  | 191.3  | 192.8  | 194.4  | 202.1  | 216.0  | 232.9  | 253.0  | 268.4  | 293.1  |
| 67.5°  | 162.0  | 163.5  | 165.1  | 168.1  | 169.7  | 171.2  | 177.4  | 182.0  | 202.1  | 223.7  | 242.2  |
| 70°    | 138.8  | 141.9  | 143.5  | 143.5  | 145.0  | 148.1  | 151.2  | 157.3  | 163.5  | 174.3  | 197.4  |
| 72.5°  | 117.2  | 118.8  | 121.9  | 121.9  | 121.9  | 124.9  | 128.0  | 131.1  | 134.2  | 140.4  | 149.6  |
| 75°    | 97.2   | 100.3  | 100.3  | 100.3  | 101.8  | 101.8  | 104.9  | 108.0  | 111.1  | 115.7  | 118.8  |
| 77.5°  | 80.2   | 80.2   | 80.2   | 80.2   | 81.8   | 81.8   | 83.3   | 86.4   | 87.9   | 89.5   | 92.6   |
| 80°    | 60.2   | 61.7   | 61.7   | 61.7   | 63.2   | 63.2   | 63.2   | 66.3   | 67.9   | 67.9   | 71.0   |
| 82.5°  | 44.7   | 44.7   | 44.7   | 46.3   | 44.7   | 46.3   | 46.3   | 47.8   | 46.3   | 47.8   | 49.4   |
| 85°    | 27.8   | 27.8   | 27.8   | 29.3   | 29.3   | 29.3   | 29.3   | 29.3   | 29.3   | 29.3   | 30.9   |
| 87.5°  | 13.9   | 13.9   | 13.9   | 13.9   | 13.9   | 13.9   | 13.9   | 13.9   | 15.4   | 13.9   | 13.9   |
| 90°    | 8.5    | 8.4    | 8.3    | 8.2    | 8.0    | 7.6    | 7.3    | 6.9    | 6.5    | 5.9    | 5.3    |
| 92.5°  | 8.7    | 8.6    | 8.5    | 8.5    | 8.4    | 8.3    | 8.1    | 8.0    | 7.8    | 7.6    | 7.4    |
| 95°    | 14.2   | 14.3   | 14.4   | 14.4   | 14.2   | 13.8   | 13.5   | 13.1   | 12.7   | 12.2   | 11.7   |
| 97.5°  | 17.8   | 17.7   | 17.6   | 17.6   | 17.5   | 17.3   | 17.1   | 16.9   | 16.7   | 15.5   | 14.3   |
| 100°   | 21.6   | 21.4   | 21.3   | 21.2   | 20.9   | 20.3   | 19.8   | 19.2   | 18.6   | 17.4   | 16.2   |
| 102.5° | 23.4   | 23.2   | 23.0   | 22.9   | 22.5   | 21.7   | 20.9   | 20.1   | 19.3   | 32.5   | 45.7   |
| 105°   | 24.2   | 23.9   | 23.6   | 23.5   | 23.1   | 22.3   | 21.5   | 20.7   | 19.9   | 39.7   | 59.5   |
| 107.5° | 24.9   | 24.6   | 24.3   | 24.2   | 23.8   | 23.0   | 22.2   | 21.4   | 20.6   | 45.0   | 69.5   |
| 110°   | 25.2   | 24.9   | 24.6   | 24.5   | 28.1   | 35.4   | 42.7   | 49.9   | 57.2   | 78.2   | 99.1   |

TEST NUMBER: P1008306

CATALOG NUMBER: S122RDIP-B1005D330UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 25.7  | 25.4  | 25.2  | 25.1   | 40.7  | 72.0  | 103.3 | 134.6 | 165.9 | 167.1 | 168.4 |
| 115°   | 37.2  | 42.5  | 47.7  | 50.3   | 67.1  | 100.7 | 134.3 | 167.9 | 201.5 | 199.7 | 197.9 |
| 117.5° | 124.9 | 143.9 | 162.9 | 172.4  | 177.6 | 188.0 | 198.3 | 208.7 | 219.1 | 217.9 | 216.7 |
| 120°   | 218.8 | 228.6 | 238.4 | 243.3  | 242.9 | 242.0 | 241.1 | 240.3 | 239.4 | 238.1 | 236.8 |
| 122.5° | 260.8 | 260.7 | 260.6 | 260.6  | 260.4 | 260.0 | 259.5 | 259.1 | 258.7 | 257.2 | 255.8 |
| 125°   | 278.8 | 278.6 | 278.4 | 278.3  | 278.0 | 277.5 | 277.0 | 276.5 | 276.0 | 274.6 | 273.2 |
| 127.5° | 295.4 | 295.3 | 295.2 | 295.2  | 294.8 | 294.1 | 293.4 | 292.7 | 292.0 | 290.9 | 289.8 |
| 130°   | 310.7 | 310.8 | 310.9 | 310.9  | 310.5 | 309.7 | 308.9 | 308.1 | 307.3 | 306.5 | 305.7 |
| 132.5° | 325.4 | 325.5 | 325.6 | 325.6  | 325.3 | 324.6 | 324.0 | 323.3 | 322.7 | 321.9 | 321.1 |
| 135°   | 339.6 | 339.8 | 339.9 | 340.0  | 339.6 | 338.9 | 338.2 | 337.4 | 336.7 | 336.1 | 335.4 |
| 137.5° | 352.8 | 353.1 | 353.3 | 353.4  | 353.0 | 352.3 | 351.6 | 350.8 | 350.1 | 349.4 | 348.6 |
| 140°   | 365.2 | 365.6 | 365.9 | 366.1  | 365.8 | 365.1 | 364.5 | 363.8 | 363.2 | 362.4 | 361.6 |
| 142.5° | 377.0 | 377.3 | 377.7 | 377.9  | 377.6 | 377.0 | 376.5 | 375.9 | 375.3 | 374.3 | 373.4 |
| 145°   | 387.7 | 388.1 | 388.4 | 388.6  | 388.4 | 387.9 | 387.4 | 386.9 | 386.4 | 385.2 | 383.9 |
| 147.5° | 397.4 | 397.7 | 398.0 | 398.1  | 397.9 | 397.6 | 397.2 | 396.9 | 396.5 | 395.3 | 394.0 |
| 150°   | 406.4 | 406.7 | 407.1 | 407.3  | 407.1 | 406.6 | 406.2 | 405.7 | 405.3 | 404.1 | 403.0 |
| 152.5° | 414.1 | 414.6 | 415.1 | 415.4  | 415.2 | 414.8 | 414.3 | 413.9 | 413.5 | 412.4 | 411.3 |
| 155°   | 421.2 | 421.7 | 422.3 | 422.6  | 422.4 | 422.0 | 421.5 | 421.1 | 420.7 | 419.8 | 418.9 |
| 157.5° | 427.7 | 428.2 | 428.8 | 429.1  | 428.9 | 428.4 | 427.9 | 427.4 | 426.9 | 426.2 | 425.6 |
| 160°   | 433.1 | 433.6 | 434.1 | 434.4  | 434.2 | 433.7 | 433.3 | 432.8 | 432.4 | 432.0 | 431.6 |
| 162.5° | 438.0 | 438.6 | 439.3 | 439.6  | 439.3 | 438.8 | 438.3 | 437.8 | 437.3 | 436.9 | 436.6 |
| 165°   | 442.2 | 442.7 | 443.2 | 443.5  | 443.2 | 442.7 | 442.2 | 441.7 | 441.2 | 441.0 | 440.8 |
| 167.5° | 445.5 | 446.1 | 446.8 | 447.1  | 446.8 | 446.3 | 445.8 | 445.3 | 444.8 | 444.6 | 444.4 |
| 170°   | 448.1 | 448.7 | 449.4 | 449.7  | 449.4 | 448.9 | 448.4 | 447.9 | 447.4 | 447.3 | 447.1 |
| 172.5° | 450.0 | 450.7 | 451.4 | 451.7  | 451.4 | 450.9 | 450.4 | 449.9 | 449.4 | 449.2 | 449.1 |
| 175°   | 451.2 | 451.9 | 452.6 | 453.0  | 452.7 | 452.2 | 451.7 | 451.2 | 450.7 | 450.5 | 450.4 |
| 177.5° | 451.7 | 452.3 | 453.0 | 453.3  | 453.0 | 452.5 | 452.0 | 451.5 | 451.0 | 450.9 | 450.9 |
| 180°   | 451.4 | 451.4 | 451.4 | 451.4  | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 |

TEST NUMBER: P1008306

CATALOG NUMBER: S122RDIP-B1005D330UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 |
| 2.5°   | 2266.0 | 2258.3 | 2258.3 | 2253.7 | 2253.7 | 2229.0 | 2229.0 | 2236.7 | 2227.5 | 2216.7 | 2201.2 |
| 5°     | 2324.6 | 2307.7 | 2303.0 | 2296.9 | 2276.8 | 2246.0 | 2233.6 | 2229.0 | 2210.5 | 2187.4 | 2161.1 |
| 7.5°   | 2380.2 | 2352.4 | 2338.5 | 2324.6 | 2298.4 | 2255.2 | 2230.5 | 2213.6 | 2185.8 | 2150.3 | 2116.4 |
| 10°    | 2434.2 | 2398.7 | 2363.2 | 2346.2 | 2309.2 | 2255.2 | 2219.7 | 2192.0 | 2151.9 | 2104.1 | 2056.2 |
| 12.5°  | 2483.5 | 2409.5 | 2403.3 | 2369.4 | 2315.4 | 2253.7 | 2199.7 | 2159.6 | 2108.7 | 2053.2 | 1997.6 |
| 15°    | 2526.7 | 2451.1 | 2414.1 | 2383.3 | 2312.3 | 2235.2 | 2178.1 | 2128.7 | 2060.9 | 1997.6 | 1929.7 |
| 17.5°  | 2548.3 | 2466.6 | 2441.9 | 2391.0 | 2318.5 | 2218.2 | 2141.1 | 2080.9 | 2006.9 | 1931.3 | 1854.2 |
| 20°    | 2569.9 | 2474.3 | 2434.2 | 2398.7 | 2300.0 | 2185.8 | 2099.4 | 2030.0 | 1948.3 | 1858.8 | 1773.9 |
| 22.5°  | 2580.7 | 2474.3 | 2426.5 | 2377.1 | 2281.5 | 2150.3 | 2048.5 | 1966.8 | 1871.1 | 1780.1 | 1678.3 |
| 25°    | 2562.2 | 2465.0 | 2407.9 | 2357.0 | 2249.1 | 2107.1 | 1989.9 | 1897.4 | 1795.5 | 1692.2 | 1588.8 |
| 27.5°  | 2515.9 | 2443.4 | 2377.1 | 2324.6 | 2204.3 | 2051.6 | 1928.2 | 1823.3 | 1718.4 | 1602.7 | 1497.8 |
| 30°    | 2429.5 | 2397.1 | 2344.7 | 2286.1 | 2155.0 | 2002.2 | 1855.7 | 1747.7 | 1632.0 | 1516.3 | 1406.8 |
| 32.5°  | 2295.3 | 2323.1 | 2289.2 | 2238.3 | 2096.3 | 1934.4 | 1778.6 | 1669.1 | 1542.6 | 1417.6 | 1317.3 |
| 35°    | 2131.8 | 2230.5 | 2212.0 | 2176.6 | 2034.6 | 1861.9 | 1706.1 | 1573.4 | 1446.9 | 1320.4 | 1220.2 |
| 37.5°  | 1952.9 | 2102.5 | 2117.9 | 2096.3 | 1963.7 | 1787.8 | 1616.6 | 1487.0 | 1357.5 | 1229.4 | 1127.6 |
| 40°    | 1707.6 | 1937.5 | 1986.8 | 1996.1 | 1889.6 | 1698.4 | 1519.4 | 1392.9 | 1264.9 | 1140.0 | 1016.5 |
| 42.5°  | 1482.4 | 1772.4 | 1834.1 | 1872.7 | 1795.5 | 1610.4 | 1430.0 | 1289.6 | 1163.1 | 1050.5 | 927.1  |
| 45°    | 1271.1 | 1573.4 | 1673.7 | 1723.0 | 1689.1 | 1510.2 | 1323.5 | 1192.4 | 1076.7 | 973.4  | 854.6  |
| 47.5°  | 1053.6 | 1357.5 | 1497.8 | 1576.5 | 1576.5 | 1408.4 | 1221.7 | 1092.1 | 981.1  | 893.1  | 788.2  |
| 50°    | 908.6  | 1161.5 | 1306.6 | 1409.9 | 1437.7 | 1305.0 | 1129.2 | 1002.7 | 897.8  | 802.1  | 721.9  |
| 52.5°  | 774.4  | 1001.1 | 1121.4 | 1229.4 | 1309.6 | 1193.9 | 1025.8 | 911.7  | 808.3  | 718.8  | 655.6  |
| 55°    | 669.5  | 839.2  | 948.7  | 1067.5 | 1156.9 | 1081.3 | 925.5  | 814.5  | 725.0  | 651.0  | 597.0  |
| 57.5°  | 569.2  | 717.3  | 806.8  | 911.7  | 1007.3 | 950.2  | 825.3  | 729.6  | 651.0  | 586.2  | 538.4  |
| 60°    | 484.4  | 604.7  | 674.1  | 755.9  | 874.6  | 834.5  | 731.2  | 643.2  | 580.0  | 521.4  | 481.3  |
| 62.5°  | 411.9  | 507.5  | 566.1  | 624.7  | 732.7  | 714.2  | 634.0  | 566.1  | 512.1  | 462.8  | 428.8  |
| 65°    | 337.8  | 416.5  | 462.8  | 513.7  | 600.1  | 607.8  | 543.0  | 495.2  | 445.8  | 402.6  | 371.8  |
| 67.5°  | 273.0  | 334.7  | 376.4  | 419.6  | 489.0  | 510.6  | 465.9  | 425.7  | 384.1  | 348.6  | 320.9  |
| 70°    | 220.6  | 263.8  | 294.6  | 328.6  | 385.6  | 411.9  | 388.7  | 361.0  | 327.0  | 297.7  | 273.0  |
| 72.5°  | 174.3  | 202.1  | 220.6  | 246.8  | 293.1  | 319.3  | 317.8  | 293.1  | 268.4  | 248.4  | 228.3  |
| 75°    | 128.0  | 149.6  | 165.1  | 182.0  | 219.0  | 243.7  | 249.9  | 239.1  | 214.4  | 199.0  | 183.6  |
| 77.5°  | 97.2   | 109.5  | 117.2  | 129.6  | 155.8  | 177.4  | 186.7  | 183.6  | 166.6  | 154.3  | 143.5  |
| 80°    | 74.0   | 77.1   | 80.2   | 84.8   | 106.4  | 126.5  | 132.7  | 131.1  | 121.9  | 117.2  | 104.9  |
| 82.5°  | 52.4   | 54.0   | 55.5   | 57.1   | 64.8   | 81.8   | 87.9   | 91.0   | 83.3   | 78.7   | 67.9   |
| 85°    | 30.9   | 32.4   | 32.4   | 35.5   | 37.0   | 41.6   | 52.4   | 52.4   | 50.9   | 44.7   | 43.2   |
| 87.5°  | 15.4   | 15.4   | 13.9   | 13.9   | 15.4   | 17.0   | 20.1   | 23.1   | 20.1   | 18.5   | 17.0   |
| 90°    | 4.8    | 4.2    | 3.9    | 3.5    | 2.7    | 1.9    | 1.1    | 0.3    | 1.1    | 1.9    | 2.7    |
| 92.5°  | 7.2    | 7.0    | 6.9    | 7.0    | 7.3    | 7.6    | 7.9    | 8.2    | 7.9    | 7.6    | 7.3    |
| 95°    | 11.2   | 10.7   | 10.5   | 11.7   | 14.1   | 16.4   | 18.8   | 21.2   | 18.8   | 16.4   | 14.1   |
| 97.5°  | 13.2   | 12.0   | 11.4   | 14.4   | 20.3   | 26.3   | 32.2   | 38.2   | 32.2   | 26.3   | 20.3   |
| 100°   | 14.9   | 13.7   | 13.1   | 18.1   | 28.0   | 37.9   | 47.9   | 57.8   | 47.9   | 37.9   | 28.0   |
| 102.5° | 58.9   | 72.1   | 78.7   | 78.8   | 78.9   | 79.1   | 79.2   | 79.4   | 79.2   | 79.1   | 78.9   |
| 105°   | 79.4   | 99.2   | 109.1  | 108.0  | 105.8  | 103.7  | 101.5  | 99.3   | 101.5  | 103.7  | 105.8  |
| 107.5° | 93.9   | 118.4  | 130.6  | 129.7  | 127.9  | 126.1  | 124.3  | 122.5  | 124.3  | 126.1  | 127.9  |
| 110°   | 120.1  | 141.0  | 151.5  | 150.7  | 149.2  | 147.7  | 146.2  | 144.7  | 146.2  | 147.7  | 149.2  |

TEST NUMBER: P1008306

CATALOG NUMBER: S122RDIP-B1005D330UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 169.6 | 170.9 | 171.5  | 170.8 | 169.5 | 168.2 | 166.9 | 165.6 | 166.9 | 168.2 | 169.5 |
| 115°   | 196.0 | 194.2 | 193.3  | 192.7 | 191.5 | 190.2 | 189.0 | 187.8 | 189.0 | 190.2 | 191.5 |
| 117.5° | 215.4 | 214.2 | 213.6  | 212.9 | 211.4 | 210.0 | 208.5 | 207.1 | 208.5 | 210.0 | 211.4 |
| 120°   | 235.5 | 234.2 | 233.5  | 233.0 | 231.9 | 230.8 | 229.7 | 228.6 | 229.7 | 230.8 | 231.9 |
| 122.5° | 254.3 | 252.8 | 252.1  | 251.5 | 250.4 | 249.2 | 248.1 | 246.9 | 248.1 | 249.2 | 250.4 |
| 125°   | 271.9 | 270.5 | 269.8  | 269.3 | 268.4 | 267.4 | 266.5 | 265.5 | 266.5 | 267.4 | 268.4 |
| 127.5° | 288.7 | 287.6 | 287.1  | 286.6 | 285.6 | 284.5 | 283.5 | 282.5 | 283.5 | 284.5 | 285.6 |
| 130°   | 304.9 | 304.1 | 303.7  | 303.1 | 302.0 | 300.8 | 299.7 | 298.5 | 299.7 | 300.8 | 302.0 |
| 132.5° | 320.3 | 319.5 | 319.1  | 318.6 | 317.7 | 316.7 | 315.8 | 314.8 | 315.8 | 316.7 | 317.7 |
| 135°   | 334.8 | 334.1 | 333.8  | 333.2 | 332.1 | 330.9 | 329.8 | 328.6 | 329.8 | 330.9 | 332.1 |
| 137.5° | 347.9 | 347.2 | 346.8  | 346.4 | 345.5 | 344.6 | 343.8 | 342.9 | 343.8 | 344.6 | 345.5 |
| 140°   | 360.8 | 360.0 | 359.6  | 359.3 | 358.7 | 358.2 | 357.6 | 357.0 | 357.6 | 358.2 | 358.7 |
| 142.5° | 372.4 | 371.5 | 371.0  | 370.7 | 370.2 | 369.7 | 369.2 | 368.7 | 369.2 | 369.7 | 370.2 |
| 145°   | 382.7 | 381.4 | 380.8  | 380.8 | 380.9 | 381.0 | 381.0 | 381.1 | 381.0 | 381.0 | 380.9 |
| 147.5° | 392.8 | 391.5 | 390.9  | 391.0 | 391.2 | 391.5 | 391.7 | 391.9 | 391.7 | 391.5 | 391.2 |
| 150°   | 401.8 | 400.7 | 400.1  | 400.4 | 400.9 | 401.4 | 401.9 | 402.4 | 401.9 | 401.4 | 400.9 |
| 152.5° | 410.2 | 409.1 | 408.6  | 408.9 | 409.5 | 410.0 | 410.6 | 411.2 | 410.6 | 410.0 | 409.5 |
| 155°   | 418.0 | 417.1 | 416.7  | 417.0 | 417.7 | 418.4 | 419.0 | 419.7 | 419.0 | 418.4 | 417.7 |
| 157.5° | 424.9 | 424.2 | 423.9  | 424.2 | 424.8 | 425.3 | 425.9 | 426.5 | 425.9 | 425.3 | 424.8 |
| 160°   | 431.1 | 430.7 | 430.5  | 430.7 | 431.1 | 431.6 | 432.0 | 432.4 | 432.0 | 431.6 | 431.1 |
| 162.5° | 436.2 | 435.9 | 435.7  | 435.9 | 436.3 | 436.8 | 437.2 | 437.6 | 437.2 | 436.8 | 436.3 |
| 165°   | 440.5 | 440.3 | 440.2  | 440.4 | 440.9 | 441.3 | 441.8 | 442.2 | 441.8 | 441.3 | 440.9 |
| 167.5° | 444.1 | 443.9 | 443.8  | 444.0 | 444.5 | 444.9 | 445.4 | 445.8 | 445.4 | 444.9 | 444.5 |
| 170°   | 447.0 | 446.9 | 446.8  | 447.0 | 447.4 | 447.9 | 448.3 | 448.7 | 448.3 | 447.9 | 447.4 |
| 172.5° | 448.9 | 448.8 | 448.7  | 448.9 | 449.4 | 449.8 | 450.3 | 450.7 | 450.3 | 449.8 | 449.4 |
| 175°   | 450.2 | 450.1 | 450.0  | 450.3 | 450.8 | 451.3 | 451.8 | 452.3 | 451.8 | 451.3 | 450.8 |
| 177.5° | 450.8 | 450.7 | 450.7  | 451.0 | 451.5 | 452.0 | 452.5 | 453.0 | 452.5 | 452.0 | 451.5 |
| 180°   | 451.4 | 451.4 | 451.4  | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 |

TEST NUMBER: P1008306

CATALOG NUMBER: S122RDIP-B1005D330UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 |
| 2.5°   | 2195.1 | 2196.6 | 2201.2 | 2187.4 | 2165.8 | 2156.5 | 2128.7 | 2124.1 | 2119.5 | 2119.5 | 2124.1 |
| 5°     | 2145.7 | 2139.5 | 2141.1 | 2114.9 | 2084.0 | 2065.5 | 2026.9 | 2033.1 | 2013.0 | 2000.7 | 2003.8 |
| 7.5°   | 2091.7 | 2074.7 | 2073.2 | 2039.3 | 2000.7 | 1966.8 | 1926.7 | 1917.4 | 1898.9 | 1877.3 | 1868.0 |
| 10°    | 2023.8 | 2011.5 | 1988.4 | 1949.8 | 1900.4 | 1872.7 | 1818.7 | 1786.3 | 1781.7 | 1749.3 | 1736.9 |
| 12.5°  | 1954.4 | 1932.8 | 1909.7 | 1855.7 | 1800.2 | 1755.4 | 1715.3 | 1679.9 | 1655.2 | 1627.4 | 1608.9 |
| 15°    | 1874.2 | 1848.0 | 1821.8 | 1764.7 | 1699.9 | 1655.2 | 1595.0 | 1542.6 | 1470.1 | 1413.0 | 1380.6 |
| 17.5°  | 1786.3 | 1757.0 | 1721.5 | 1658.3 | 1595.0 | 1533.3 | 1422.2 | 1360.5 | 1309.6 | 1275.7 | 1255.6 |
| 20°    | 1695.3 | 1662.9 | 1627.4 | 1564.2 | 1454.6 | 1346.7 | 1285.0 | 1237.1 | 1206.3 | 1172.3 | 1147.7 |
| 22.5°  | 1599.6 | 1565.7 | 1527.1 | 1428.4 | 1312.7 | 1237.1 | 1189.3 | 1144.6 | 1099.8 | 1081.3 | 1069.0 |
| 25°    | 1510.2 | 1479.3 | 1430.0 | 1295.8 | 1204.7 | 1135.3 | 1081.3 | 1052.0 | 1028.9 | 1004.2 | 981.1  |
| 27.5°  | 1417.6 | 1360.5 | 1291.1 | 1178.5 | 1121.4 | 1050.5 | 1011.9 | 990.3  | 950.2  | 933.3  | 922.5  |
| 30°    | 1306.6 | 1243.3 | 1177.0 | 1096.8 | 1030.4 | 981.1  | 945.6  | 910.1  | 887.0  | 870.0  | 851.5  |
| 32.5°  | 1193.9 | 1133.8 | 1092.1 | 1008.8 | 959.5  | 908.6  | 874.6  | 853.0  | 819.1  | 808.3  | 800.6  |
| 35°    | 1096.8 | 1045.9 | 1008.8 | 941.0  | 894.7  | 848.4  | 823.7  | 791.3  | 769.7  | 749.7  | 737.3  |
| 37.5°  | 1001.1 | 973.4  | 934.8  | 877.7  | 828.4  | 791.3  | 757.4  | 746.6  | 717.3  | 706.5  | 694.2  |
| 40°    | 934.8  | 893.1  | 860.8  | 811.4  | 769.7  | 729.6  | 708.0  | 683.4  | 663.3  | 646.3  | 641.7  |
| 42.5°  | 854.6  | 823.7  | 805.2  | 751.2  | 708.0  | 684.9  | 658.7  | 630.9  | 615.5  | 601.6  | 584.6  |
| 45°    | 794.4  | 766.7  | 740.4  | 697.2  | 658.7  | 629.4  | 606.2  | 587.7  | 561.5  | 555.3  | 529.1  |
| 47.5°  | 731.2  | 703.4  | 683.4  | 640.2  | 604.7  | 576.9  | 560.0  | 535.3  | 513.7  | 499.8  | 487.4  |
| 50°    | 667.9  | 644.8  | 626.3  | 589.3  | 558.4  | 529.1  | 506.0  | 481.3  | 472.0  | 448.9  | 441.2  |
| 52.5°  | 607.8  | 592.3  | 572.3  | 536.8  | 506.0  | 481.3  | 456.6  | 436.5  | 422.7  | 410.3  | 401.1  |
| 55°    | 556.9  | 532.2  | 522.9  | 484.4  | 458.1  | 431.9  | 410.3  | 398.0  | 381.0  | 373.3  | 365.6  |
| 57.5°  | 499.8  | 485.9  | 470.5  | 441.2  | 411.9  | 387.2  | 371.8  | 353.2  | 344.0  | 334.7  | 328.6  |
| 60°    | 450.4  | 430.4  | 418.0  | 393.4  | 367.1  | 344.0  | 330.1  | 316.2  | 303.9  | 296.2  | 283.8  |
| 62.5°  | 393.4  | 377.9  | 370.2  | 344.0  | 322.4  | 300.8  | 288.5  | 274.6  | 265.3  | 251.4  | 236.0  |
| 65°    | 344.0  | 331.7  | 322.4  | 300.8  | 280.7  | 260.7  | 248.4  | 231.4  | 219.0  | 211.3  | 209.8  |
| 67.5°  | 300.8  | 291.5  | 277.7  | 257.6  | 237.6  | 222.1  | 208.2  | 194.4  | 192.8  | 189.7  | 189.7  |
| 70°    | 253.0  | 243.7  | 236.0  | 214.4  | 197.4  | 180.5  | 177.4  | 172.8  | 168.1  | 166.6  | 163.5  |
| 72.5°  | 211.3  | 203.6  | 194.4  | 175.9  | 158.9  | 154.3  | 151.2  | 148.1  | 143.5  | 141.9  | 140.4  |
| 75°    | 171.2  | 160.4  | 154.3  | 137.3  | 132.7  | 129.6  | 126.5  | 121.9  | 118.8  | 117.2  | 114.1  |
| 77.5°  | 131.1  | 120.3  | 120.3  | 111.1  | 108.0  | 103.4  | 100.3  | 97.2   | 95.6   | 92.6   | 92.6   |
| 80°    | 92.6   | 92.6   | 89.5   | 84.8   | 80.2   | 78.7   | 74.0   | 72.5   | 71.0   | 72.5   | 69.4   |
| 82.5°  | 67.9   | 61.7   | 61.7   | 58.6   | 55.5   | 54.0   | 50.9   | 50.9   | 49.4   | 49.4   | 49.4   |
| 85°    | 38.6   | 38.6   | 37.0   | 33.9   | 32.4   | 32.4   | 30.9   | 30.9   | 29.3   | 29.3   | 27.8   |
| 87.5°  | 15.4   | 13.9   | 15.4   | 13.9   | 13.9   | 12.3   | 12.3   | 12.3   | 10.8   | 12.3   | 10.8   |
| 90°    | 3.5    | 3.9    | 4.2    | 4.8    | 5.3    | 5.9    | 6.5    | 6.9    | 7.3    | 7.6    | 8.0    |
| 92.5°  | 7.0    | 6.9    | 7.0    | 7.2    | 7.4    | 7.6    | 7.8    | 8.0    | 8.1    | 8.3    | 8.4    |
| 95°    | 11.7   | 10.5   | 10.7   | 11.2   | 11.7   | 12.2   | 12.7   | 13.1   | 13.5   | 13.8   | 14.2   |
| 97.5°  | 14.4   | 11.4   | 12.0   | 13.2   | 14.3   | 15.5   | 16.7   | 16.9   | 17.1   | 17.3   | 17.5   |
| 100°   | 18.1   | 13.1   | 13.7   | 14.9   | 16.2   | 17.4   | 18.6   | 19.2   | 19.8   | 20.3   | 20.9   |
| 102.5° | 78.8   | 78.7   | 72.1   | 58.9   | 45.7   | 32.5   | 19.3   | 20.1   | 20.9   | 21.7   | 22.5   |
| 105°   | 108.0  | 109.1  | 99.2   | 79.4   | 59.5   | 39.7   | 19.9   | 20.7   | 21.5   | 22.3   | 23.1   |
| 107.5° | 129.7  | 130.6  | 118.4  | 93.9   | 69.5   | 45.0   | 20.6   | 21.4   | 22.2   | 23.0   | 23.8   |
| 110°   | 150.7  | 151.5  | 141.0  | 120.1  | 99.1   | 78.2   | 57.2   | 49.9   | 42.7   | 35.4   | 28.1   |

TEST NUMBER: P1008306

CATALOG NUMBER: S122RDIP-B1005D330UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 170.8 | 171.5  | 170.9 | 169.6 | 168.4 | 167.1 | 165.9 | 134.6 | 103.3 | 72.0  | 40.7  |
| 115°   | 192.7 | 193.3  | 194.2 | 196.0 | 197.9 | 199.7 | 201.5 | 167.9 | 134.3 | 100.7 | 67.1  |
| 117.5° | 212.9 | 213.6  | 214.2 | 215.4 | 216.7 | 217.9 | 219.1 | 208.7 | 198.3 | 188.0 | 177.6 |
| 120°   | 233.0 | 233.5  | 234.2 | 235.5 | 236.8 | 238.1 | 239.4 | 240.3 | 241.1 | 242.0 | 242.9 |
| 122.5° | 251.5 | 252.1  | 252.8 | 254.3 | 255.8 | 257.2 | 258.7 | 259.1 | 259.5 | 260.0 | 260.4 |
| 125°   | 269.3 | 269.8  | 270.5 | 271.9 | 273.2 | 274.6 | 276.0 | 276.5 | 277.0 | 277.5 | 278.0 |
| 127.5° | 286.6 | 287.1  | 287.6 | 288.7 | 289.8 | 290.9 | 292.0 | 292.7 | 293.4 | 294.1 | 294.8 |
| 130°   | 303.1 | 303.7  | 304.1 | 304.9 | 305.7 | 306.5 | 307.3 | 308.1 | 308.9 | 309.7 | 310.5 |
| 132.5° | 318.6 | 319.1  | 319.5 | 320.3 | 321.1 | 321.9 | 322.7 | 323.3 | 324.0 | 324.6 | 325.3 |
| 135°   | 333.2 | 333.8  | 334.1 | 334.8 | 335.4 | 336.1 | 336.7 | 337.4 | 338.2 | 338.9 | 339.6 |
| 137.5° | 346.4 | 346.8  | 347.2 | 347.9 | 348.6 | 349.4 | 350.1 | 350.8 | 351.6 | 352.3 | 353.0 |
| 140°   | 359.3 | 359.6  | 360.0 | 360.8 | 361.6 | 362.4 | 363.2 | 363.8 | 364.5 | 365.1 | 365.8 |
| 142.5° | 370.7 | 371.0  | 371.5 | 372.4 | 373.4 | 374.3 | 375.3 | 375.9 | 376.5 | 377.0 | 377.6 |
| 145°   | 380.8 | 380.8  | 381.4 | 382.7 | 383.9 | 385.2 | 386.4 | 386.9 | 387.4 | 387.9 | 388.4 |
| 147.5° | 391.0 | 390.9  | 391.5 | 392.8 | 394.0 | 395.3 | 396.5 | 396.9 | 397.2 | 397.6 | 397.9 |
| 150°   | 400.4 | 400.1  | 400.7 | 401.8 | 403.0 | 404.1 | 405.3 | 405.7 | 406.2 | 406.6 | 407.1 |
| 152.5° | 408.9 | 408.6  | 409.1 | 410.2 | 411.3 | 412.4 | 413.5 | 413.9 | 414.3 | 414.8 | 415.2 |
| 155°   | 417.0 | 416.7  | 417.1 | 418.0 | 418.9 | 419.8 | 420.7 | 421.1 | 421.5 | 422.0 | 422.4 |
| 157.5° | 424.2 | 423.9  | 424.2 | 424.9 | 425.6 | 426.2 | 426.9 | 427.4 | 427.9 | 428.4 | 428.9 |
| 160°   | 430.7 | 430.5  | 430.7 | 431.1 | 431.6 | 432.0 | 432.4 | 432.8 | 433.3 | 433.7 | 434.2 |
| 162.5° | 435.9 | 435.7  | 435.9 | 436.2 | 436.6 | 436.9 | 437.3 | 437.8 | 438.3 | 438.8 | 439.3 |
| 165°   | 440.4 | 440.2  | 440.3 | 440.5 | 440.8 | 441.0 | 441.2 | 441.7 | 442.2 | 442.7 | 443.2 |
| 167.5° | 444.0 | 443.8  | 443.9 | 444.1 | 444.4 | 444.6 | 444.8 | 445.3 | 445.8 | 446.3 | 446.8 |
| 170°   | 447.0 | 446.8  | 446.9 | 447.0 | 447.1 | 447.3 | 447.4 | 447.9 | 448.4 | 448.9 | 449.4 |
| 172.5° | 448.9 | 448.7  | 448.8 | 448.9 | 449.1 | 449.2 | 449.4 | 449.9 | 450.4 | 450.9 | 451.4 |
| 175°   | 450.3 | 450.0  | 450.1 | 450.2 | 450.4 | 450.5 | 450.7 | 451.2 | 451.7 | 452.2 | 452.7 |
| 177.5° | 451.0 | 450.7  | 450.7 | 450.8 | 450.9 | 450.9 | 451.0 | 451.5 | 452.0 | 452.5 | 453.0 |
| 180°   | 451.4 | 451.4  | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 |

TEST NUMBER: P1008306

CATALOG NUMBER: S122RDIP-B1005D330UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 |
| 2.5°   | 2124.1 | 2121.0 | 2111.8 | 2114.9 | 2110.2 | 2110.2 | 2107.1 | 2107.1 | 2107.1 | 2114.9 | 2110.2 |
| 5°     | 2008.4 | 1997.6 | 1986.8 | 1982.2 | 1977.6 | 1972.9 | 1972.9 | 1971.4 | 1985.3 | 1982.2 | 1994.5 |
| 7.5°   | 1865.0 | 1861.9 | 1840.3 | 1840.3 | 1832.6 | 1829.5 | 1837.2 | 1838.7 | 1840.3 | 1843.4 | 1851.1 |
| 10°    | 1736.9 | 1729.2 | 1698.4 | 1701.4 | 1696.8 | 1690.6 | 1695.3 | 1692.2 | 1703.0 | 1706.1 | 1703.0 |
| 12.5°  | 1585.8 | 1571.9 | 1537.9 | 1521.0 | 1502.5 | 1488.6 | 1505.5 | 1493.2 | 1536.4 | 1548.7 | 1582.7 |
| 15°    | 1385.2 | 1359.0 | 1335.9 | 1335.9 | 1318.9 | 1306.6 | 1314.3 | 1328.1 | 1337.4 | 1351.3 | 1357.5 |
| 17.5°  | 1251.0 | 1240.2 | 1221.7 | 1210.9 | 1206.3 | 1201.7 | 1201.7 | 1207.8 | 1227.9 | 1226.3 | 1238.7 |
| 20°    | 1136.9 | 1130.7 | 1121.4 | 1107.6 | 1102.9 | 1099.8 | 1099.8 | 1099.8 | 1113.7 | 1126.1 | 1133.8 |
| 22.5°  | 1058.2 | 1053.6 | 1047.4 | 1028.9 | 1019.6 | 1016.5 | 1024.3 | 1028.9 | 1039.7 | 1048.9 | 1056.7 |
| 25°    | 979.5  | 968.7  | 957.9  | 951.8  | 947.1  | 947.1  | 950.2  | 951.8  | 956.4  | 961.0  | 970.3  |
| 27.5°  | 914.7  | 907.0  | 891.6  | 874.6  | 874.6  | 870.0  | 873.1  | 876.2  | 887.0  | 902.4  | 910.1  |
| 30°    | 842.2  | 840.7  | 834.5  | 828.4  | 822.2  | 819.1  | 825.3  | 829.9  | 831.4  | 839.2  | 839.2  |
| 32.5°  | 789.8  | 779.0  | 768.2  | 762.0  | 758.9  | 757.4  | 758.9  | 765.1  | 765.1  | 774.4  | 785.2  |
| 35°    | 737.3  | 731.2  | 720.4  | 709.6  | 706.5  | 698.8  | 705.0  | 711.1  | 721.9  | 726.5  | 731.2  |
| 37.5°  | 680.3  | 672.6  | 667.9  | 664.8  | 658.7  | 660.2  | 655.6  | 664.8  | 674.1  | 672.6  | 675.6  |
| 40°    | 637.1  | 623.2  | 609.3  | 607.8  | 606.2  | 604.7  | 604.7  | 606.2  | 612.4  | 618.6  | 627.8  |
| 42.5°  | 581.5  | 576.9  | 564.6  | 552.2  | 549.2  | 546.1  | 543.0  | 549.2  | 561.5  | 572.3  | 576.9  |
| 45°    | 524.5  | 518.3  | 515.2  | 506.0  | 499.8  | 498.2  | 495.2  | 502.9  | 513.7  | 518.3  | 521.4  |
| 47.5°  | 472.0  | 470.5  | 461.2  | 462.8  | 458.1  | 459.7  | 458.1  | 462.8  | 462.8  | 467.4  | 470.5  |
| 50°    | 436.5  | 431.9  | 427.3  | 424.2  | 419.6  | 419.6  | 418.0  | 419.6  | 425.7  | 431.9  | 430.4  |
| 52.5°  | 401.1  | 393.4  | 391.8  | 390.3  | 387.2  | 390.3  | 385.6  | 387.2  | 393.4  | 396.4  | 394.9  |
| 55°    | 359.4  | 357.9  | 354.8  | 351.7  | 350.2  | 348.6  | 348.6  | 348.6  | 354.8  | 359.4  | 361.0  |
| 57.5°  | 327.0  | 319.3  | 313.1  | 313.1  | 307.0  | 305.4  | 308.5  | 310.1  | 314.7  | 317.8  | 320.9  |
| 60°    | 282.3  | 279.2  | 269.9  | 265.3  | 256.1  | 254.5  | 254.5  | 260.7  | 268.4  | 279.2  | 282.3  |
| 62.5°  | 234.5  | 229.8  | 228.3  | 228.3  | 228.3  | 228.3  | 228.3  | 228.3  | 228.3  | 229.8  | 229.8  |
| 65°    | 208.2  | 209.8  | 208.2  | 206.7  | 208.2  | 208.2  | 206.7  | 206.7  | 206.7  | 208.2  | 209.8  |
| 67.5°  | 186.7  | 185.1  | 186.7  | 185.1  | 183.6  | 183.6  | 182.0  | 183.6  | 185.1  | 186.7  | 186.7  |
| 70°    | 162.0  | 162.0  | 160.4  | 162.0  | 160.4  | 158.9  | 157.3  | 157.3  | 160.4  | 162.0  | 162.0  |
| 72.5°  | 138.8  | 138.8  | 137.3  | 137.3  | 134.2  | 134.2  | 135.7  | 134.2  | 134.2  | 138.8  | 138.8  |
| 75°    | 115.7  | 114.1  | 112.6  | 112.6  | 111.1  | 111.1  | 111.1  | 109.5  | 112.6  | 112.6  | 114.1  |
| 77.5°  | 91.0   | 91.0   | 91.0   | 89.5   | 89.5   | 87.9   | 87.9   | 89.5   | 89.5   | 89.5   | 91.0   |
| 80°    | 69.4   | 69.4   | 69.4   | 67.9   | 66.3   | 66.3   | 66.3   | 66.3   | 66.3   | 67.9   | 66.3   |
| 82.5°  | 47.8   | 47.8   | 47.8   | 47.8   | 47.8   | 46.3   | 46.3   | 46.3   | 47.8   | 47.8   | 46.3   |
| 85°    | 29.3   | 27.8   | 29.3   | 29.3   | 27.8   | 29.3   | 27.8   | 27.8   | 26.2   | 26.2   | 27.8   |
| 87.5°  | 12.3   | 10.8   | 9.3    | 9.3    | 10.8   | 9.3    | 9.3    | 9.3    | 10.8   | 9.3    | 9.3    |
| 90°    | 8.2    | 8.3    | 8.4    | 8.5    | 8.7    | 8.8    | 8.7    | 8.5    | 8.4    | 8.3    | 8.2    |
| 92.5°  | 8.5    | 8.5    | 8.6    | 8.7    | 8.7    | 8.8    | 8.7    | 8.7    | 8.6    | 8.5    | 8.5    |
| 95°    | 14.4   | 14.4   | 14.3   | 14.2   | 14.1   | 14.0   | 14.1   | 14.2   | 14.3   | 14.4   | 14.4   |
| 97.5°  | 17.6   | 17.6   | 17.7   | 17.8   | 17.9   | 18.0   | 17.9   | 17.8   | 17.7   | 17.6   | 17.6   |
| 100°   | 21.2   | 21.3   | 21.4   | 21.6   | 21.7   | 21.9   | 21.7   | 21.6   | 21.4   | 21.3   | 21.2   |
| 102.5° | 22.9   | 23.0   | 23.2   | 23.4   | 23.6   | 23.8   | 23.6   | 23.4   | 23.2   | 23.0   | 22.9   |
| 105°   | 23.5   | 23.6   | 23.9   | 24.2   | 24.5   | 24.8   | 24.5   | 24.2   | 23.9   | 23.6   | 23.5   |
| 107.5° | 24.2   | 24.3   | 24.6   | 24.9   | 25.2   | 25.5   | 25.2   | 24.9   | 24.6   | 24.3   | 24.2   |
| 110°   | 24.5   | 24.6   | 24.9   | 25.2   | 25.5   | 25.8   | 25.5   | 25.2   | 24.9   | 24.6   | 24.5   |



TEST NUMBER: P1008306

CATALOG NUMBER: S122RDIP-B1005D330UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 25.1   | 25.2  | 25.4  | 25.7  | 25.9  | 26.1  | 25.9  | 25.7  | 25.4  | 25.2  | 25.1   |
| 115°   | 50.3   | 47.7  | 42.5  | 37.2  | 32.0  | 26.8  | 32.0  | 37.2  | 42.5  | 47.7  | 50.3   |
| 117.5° | 172.4  | 162.9 | 143.9 | 124.9 | 105.9 | 86.9  | 105.9 | 124.9 | 143.9 | 162.9 | 172.4  |
| 120°   | 243.3  | 238.4 | 228.6 | 218.8 | 209.0 | 199.2 | 209.0 | 218.8 | 228.6 | 238.4 | 243.3  |
| 122.5° | 260.6  | 260.6 | 260.7 | 260.8 | 260.8 | 260.9 | 260.8 | 260.8 | 260.7 | 260.6 | 260.6  |
| 125°   | 278.3  | 278.4 | 278.6 | 278.8 | 279.0 | 279.2 | 279.0 | 278.8 | 278.6 | 278.4 | 278.3  |
| 127.5° | 295.2  | 295.2 | 295.3 | 295.4 | 295.5 | 295.6 | 295.5 | 295.4 | 295.3 | 295.2 | 295.2  |
| 130°   | 310.9  | 310.9 | 310.8 | 310.7 | 310.7 | 310.6 | 310.7 | 310.7 | 310.8 | 310.9 | 310.9  |
| 132.5° | 325.6  | 325.6 | 325.5 | 325.4 | 325.4 | 325.3 | 325.4 | 325.4 | 325.5 | 325.6 | 325.6  |
| 135°   | 340.0  | 339.9 | 339.8 | 339.6 | 339.5 | 339.3 | 339.5 | 339.6 | 339.8 | 339.9 | 340.0  |
| 137.5° | 353.4  | 353.3 | 353.1 | 352.8 | 352.6 | 352.4 | 352.6 | 352.8 | 353.1 | 353.3 | 353.4  |
| 140°   | 366.1  | 365.9 | 365.6 | 365.2 | 364.9 | 364.5 | 364.9 | 365.2 | 365.6 | 365.9 | 366.1  |
| 142.5° | 377.9  | 377.7 | 377.3 | 377.0 | 376.6 | 376.2 | 376.6 | 377.0 | 377.3 | 377.7 | 377.9  |
| 145°   | 388.6  | 388.4 | 388.1 | 387.7 | 387.4 | 387.0 | 387.4 | 387.7 | 388.1 | 388.4 | 388.6  |
| 147.5° | 398.1  | 398.0 | 397.7 | 397.4 | 397.1 | 396.8 | 397.1 | 397.4 | 397.7 | 398.0 | 398.1  |
| 150°   | 407.3  | 407.1 | 406.7 | 406.4 | 406.0 | 405.6 | 406.0 | 406.4 | 406.7 | 407.1 | 407.3  |
| 152.5° | 415.4  | 415.1 | 414.6 | 414.1 | 413.6 | 413.1 | 413.6 | 414.1 | 414.6 | 415.1 | 415.4  |
| 155°   | 422.6  | 422.3 | 421.7 | 421.2 | 420.6 | 420.0 | 420.6 | 421.2 | 421.7 | 422.3 | 422.6  |
| 157.5° | 429.1  | 428.8 | 428.2 | 427.7 | 427.1 | 426.5 | 427.1 | 427.7 | 428.2 | 428.8 | 429.1  |
| 160°   | 434.4  | 434.1 | 433.6 | 433.1 | 432.6 | 432.1 | 432.6 | 433.1 | 433.6 | 434.1 | 434.4  |
| 162.5° | 439.6  | 439.3 | 438.6 | 438.0 | 437.3 | 436.7 | 437.3 | 438.0 | 438.6 | 439.3 | 439.6  |
| 165°   | 443.5  | 443.2 | 442.7 | 442.2 | 441.7 | 441.2 | 441.7 | 442.2 | 442.7 | 443.2 | 443.5  |
| 167.5° | 447.1  | 446.8 | 446.1 | 445.5 | 444.8 | 444.2 | 444.8 | 445.5 | 446.1 | 446.8 | 447.1  |
| 170°   | 449.7  | 449.4 | 448.7 | 448.1 | 447.4 | 446.8 | 447.4 | 448.1 | 448.7 | 449.4 | 449.7  |
| 172.5° | 451.7  | 451.4 | 450.7 | 450.0 | 449.4 | 448.7 | 449.4 | 450.0 | 450.7 | 451.4 | 451.7  |
| 175°   | 453.0  | 452.6 | 451.9 | 451.2 | 450.4 | 449.7 | 450.4 | 451.2 | 451.9 | 452.6 | 453.0  |
| 177.5° | 453.3  | 453.0 | 452.3 | 451.7 | 451.0 | 450.4 | 451.0 | 451.7 | 452.3 | 453.0 | 453.3  |
| 180°   | 451.4  | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4  |

TEST NUMBER: P1008306

CATALOG NUMBER: S122RDIP-B1005D330UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 | 2219.7 |
| 2.5°   | 2114.9 | 2122.6 | 2119.5 | 2102.5 | 2119.5 | 2124.1 | 2133.4 | 2142.6 | 2148.8 | 2158.0 | 2165.8 |
| 5°     | 1982.2 | 1997.6 | 2006.9 | 1997.6 | 2028.5 | 2033.1 | 2054.7 | 2067.0 | 2085.5 | 2101.0 | 2113.3 |
| 7.5°   | 1857.2 | 1869.6 | 1888.1 | 1891.2 | 1909.7 | 1931.3 | 1962.1 | 1993.0 | 2022.3 | 2037.7 | 2051.6 |
| 10°    | 1723.0 | 1744.6 | 1772.4 | 1766.2 | 1794.0 | 1827.9 | 1860.3 | 1909.7 | 1934.4 | 1962.1 | 1986.8 |
| 12.5°  | 1588.8 | 1602.7 | 1639.7 | 1652.1 | 1692.2 | 1718.4 | 1763.1 | 1794.0 | 1855.7 | 1888.1 | 1909.7 |
| 15°    | 1354.4 | 1411.4 | 1457.7 | 1513.3 | 1565.7 | 1615.1 | 1655.2 | 1710.7 | 1764.7 | 1789.4 | 1824.9 |
| 17.5°  | 1247.9 | 1274.2 | 1301.9 | 1329.7 | 1397.6 | 1485.5 | 1556.4 | 1616.6 | 1662.9 | 1695.3 | 1736.9 |
| 20°    | 1136.9 | 1163.1 | 1193.9 | 1220.2 | 1261.8 | 1325.1 | 1413.0 | 1516.3 | 1571.9 | 1605.8 | 1645.9 |
| 22.5°  | 1058.2 | 1082.9 | 1102.9 | 1126.1 | 1158.5 | 1204.7 | 1271.1 | 1399.1 | 1473.1 | 1514.8 | 1550.3 |
| 25°    | 973.4  | 1004.2 | 1025.8 | 1042.8 | 1069.0 | 1119.9 | 1173.9 | 1246.4 | 1379.1 | 1411.4 | 1460.8 |
| 27.5°  | 914.7  | 924.0  | 948.7  | 974.9  | 1001.1 | 1028.9 | 1084.4 | 1146.1 | 1235.6 | 1306.6 | 1366.7 |
| 30°    | 845.3  | 868.5  | 891.6  | 902.4  | 925.5  | 965.6  | 999.6  | 1065.9 | 1135.3 | 1190.9 | 1263.4 |
| 32.5°  | 792.9  | 806.8  | 822.2  | 848.4  | 870.0  | 897.8  | 931.7  | 987.2  | 1045.9 | 1081.3 | 1136.9 |
| 35°    | 734.3  | 743.5  | 775.9  | 786.7  | 808.3  | 836.1  | 870.0  | 913.2  | 976.4  | 1004.2 | 1044.3 |
| 37.5°  | 678.7  | 700.3  | 709.6  | 734.3  | 754.3  | 782.1  | 806.8  | 856.1  | 897.8  | 930.2  | 967.2  |
| 40°    | 635.5  | 644.8  | 661.8  | 683.4  | 700.3  | 721.9  | 752.8  | 788.2  | 833.0  | 859.2  | 891.6  |
| 42.5°  | 583.1  | 590.8  | 612.4  | 624.7  | 652.5  | 672.6  | 691.1  | 734.3  | 774.4  | 794.4  | 826.8  |
| 45°    | 526.0  | 544.5  | 558.4  | 583.1  | 598.5  | 623.2  | 646.3  | 677.2  | 714.2  | 737.3  | 755.9  |
| 47.5°  | 476.7  | 495.2  | 509.0  | 532.2  | 556.9  | 567.7  | 592.3  | 624.7  | 658.7  | 677.2  | 703.4  |
| 50°    | 436.5  | 442.7  | 468.9  | 479.7  | 506.0  | 527.6  | 544.5  | 572.3  | 609.3  | 620.1  | 641.7  |
| 52.5°  | 398.0  | 402.6  | 419.6  | 433.5  | 456.6  | 475.1  | 496.7  | 522.9  | 553.8  | 570.7  | 587.7  |
| 55°    | 364.0  | 367.1  | 374.8  | 390.3  | 405.7  | 428.8  | 448.9  | 473.6  | 499.8  | 518.3  | 533.7  |
| 57.5°  | 325.5  | 331.7  | 337.8  | 347.1  | 362.5  | 384.1  | 405.7  | 428.8  | 450.4  | 462.8  | 482.8  |
| 60°    | 280.7  | 290.0  | 300.8  | 311.6  | 322.4  | 337.8  | 362.5  | 384.1  | 404.2  | 414.9  | 430.4  |
| 62.5°  | 232.9  | 251.4  | 260.7  | 273.0  | 282.3  | 296.2  | 314.7  | 339.4  | 353.2  | 367.1  | 379.5  |
| 65°    | 209.8  | 211.3  | 212.9  | 225.2  | 242.2  | 256.1  | 273.0  | 291.5  | 313.1  | 322.4  | 331.7  |
| 67.5°  | 186.7  | 188.2  | 191.3  | 192.8  | 199.0  | 214.4  | 232.9  | 253.0  | 269.9  | 276.1  | 285.4  |
| 70°    | 163.5  | 163.5  | 169.7  | 171.2  | 172.8  | 174.3  | 189.7  | 209.8  | 225.2  | 232.9  | 243.7  |
| 72.5°  | 138.8  | 140.4  | 143.5  | 145.0  | 148.1  | 151.2  | 155.8  | 166.6  | 185.1  | 192.8  | 205.2  |
| 75°    | 114.1  | 115.7  | 117.2  | 118.8  | 123.4  | 124.9  | 129.6  | 135.7  | 143.5  | 152.7  | 160.4  |
| 77.5°  | 91.0   | 91.0   | 92.6   | 95.6   | 98.7   | 100.3  | 104.9  | 108.0  | 111.1  | 115.7  | 121.9  |
| 80°    | 67.9   | 69.4   | 69.4   | 72.5   | 72.5   | 74.0   | 75.6   | 80.2   | 83.3   | 86.4   | 89.5   |
| 82.5°  | 46.3   | 49.4   | 49.4   | 49.4   | 50.9   | 52.4   | 54.0   | 54.0   | 57.1   | 58.6   | 63.2   |
| 85°    | 27.8   | 29.3   | 29.3   | 29.3   | 27.8   | 30.9   | 30.9   | 32.4   | 32.4   | 32.4   | 33.9   |
| 87.5°  | 10.8   | 9.3    | 10.8   | 10.8   | 10.8   | 12.3   | 10.8   | 10.8   | 12.3   | 13.9   | 13.9   |
| 90°    | 8.0    | 7.6    | 7.3    | 6.9    | 6.5    | 5.9    | 5.3    | 4.8    | 4.2    | 3.9    | 3.5    |
| 92.5°  | 8.4    | 8.3    | 8.1    | 8.0    | 7.8    | 7.6    | 7.4    | 7.2    | 7.0    | 6.9    | 7.0    |
| 95°    | 14.2   | 13.8   | 13.5   | 13.1   | 12.7   | 12.2   | 11.7   | 11.2   | 10.7   | 10.5   | 11.7   |
| 97.5°  | 17.5   | 17.3   | 17.1   | 16.9   | 16.7   | 15.5   | 14.3   | 13.2   | 12.0   | 11.4   | 14.4   |
| 100°   | 20.9   | 20.3   | 19.8   | 19.2   | 18.6   | 17.4   | 16.2   | 14.9   | 13.7   | 13.1   | 18.1   |
| 102.5° | 22.5   | 21.7   | 20.9   | 20.1   | 19.3   | 32.5   | 45.7   | 58.9   | 72.1   | 78.7   | 78.8   |
| 105°   | 23.1   | 22.3   | 21.5   | 20.7   | 19.9   | 39.7   | 59.5   | 79.4   | 99.2   | 109.1  | 108.0  |
| 107.5° | 23.8   | 23.0   | 22.2   | 21.4   | 20.6   | 45.0   | 69.5   | 93.9   | 118.4  | 130.6  | 129.7  |
| 110°   | 28.1   | 35.4   | 42.7   | 49.9   | 57.2   | 78.2   | 99.1   | 120.1  | 141.0  | 151.5  | 150.7  |

TEST NUMBER: P1008306

CATALOG NUMBER: S122RDIP-B1005D330UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 40.7  | 72.0  | 103.3 | 134.6 | 165.9 | 167.1 | 168.4 | 169.6 | 170.9 | 171.5  | 170.8 |
| 115°   | 67.1  | 100.7 | 134.3 | 167.9 | 201.5 | 199.7 | 197.9 | 196.0 | 194.2 | 193.3  | 192.7 |
| 117.5° | 177.6 | 188.0 | 198.3 | 208.7 | 219.1 | 217.9 | 216.7 | 215.4 | 214.2 | 213.6  | 212.9 |
| 120°   | 242.9 | 242.0 | 241.1 | 240.3 | 239.4 | 238.1 | 236.8 | 235.5 | 234.2 | 233.5  | 233.0 |
| 122.5° | 260.4 | 260.0 | 259.5 | 259.1 | 258.7 | 257.2 | 255.8 | 254.3 | 252.8 | 252.1  | 251.5 |
| 125°   | 278.0 | 277.5 | 277.0 | 276.5 | 276.0 | 274.6 | 273.2 | 271.9 | 270.5 | 269.8  | 269.3 |
| 127.5° | 294.8 | 294.1 | 293.4 | 292.7 | 292.0 | 290.9 | 289.8 | 288.7 | 287.6 | 287.1  | 286.6 |
| 130°   | 310.5 | 309.7 | 308.9 | 308.1 | 307.3 | 306.5 | 305.7 | 304.9 | 304.1 | 303.7  | 303.1 |
| 132.5° | 325.3 | 324.6 | 324.0 | 323.3 | 322.7 | 321.9 | 321.1 | 320.3 | 319.5 | 319.1  | 318.6 |
| 135°   | 339.6 | 338.9 | 338.2 | 337.4 | 336.7 | 336.1 | 335.4 | 334.8 | 334.1 | 333.8  | 333.2 |
| 137.5° | 353.0 | 352.3 | 351.6 | 350.8 | 350.1 | 349.4 | 348.6 | 347.9 | 347.2 | 346.8  | 346.4 |
| 140°   | 365.8 | 365.1 | 364.5 | 363.8 | 363.2 | 362.4 | 361.6 | 360.8 | 360.0 | 359.6  | 359.3 |
| 142.5° | 377.6 | 377.0 | 376.5 | 375.9 | 375.3 | 374.3 | 373.4 | 372.4 | 371.5 | 371.0  | 370.7 |
| 145°   | 388.4 | 387.9 | 387.4 | 386.9 | 386.4 | 385.2 | 383.9 | 382.7 | 381.4 | 380.8  | 380.8 |
| 147.5° | 397.9 | 397.6 | 397.2 | 396.9 | 396.5 | 395.3 | 394.0 | 392.8 | 391.5 | 390.9  | 391.0 |
| 150°   | 407.1 | 406.6 | 406.2 | 405.7 | 405.3 | 404.1 | 403.0 | 401.8 | 400.7 | 400.1  | 400.4 |
| 152.5° | 415.2 | 414.8 | 414.3 | 413.9 | 413.5 | 412.4 | 411.3 | 410.2 | 409.1 | 408.6  | 408.9 |
| 155°   | 422.4 | 422.0 | 421.5 | 421.1 | 420.7 | 419.8 | 418.9 | 418.0 | 417.1 | 416.7  | 417.0 |
| 157.5° | 428.9 | 428.4 | 427.9 | 427.4 | 426.9 | 426.2 | 425.6 | 424.9 | 424.2 | 423.9  | 424.2 |
| 160°   | 434.2 | 433.7 | 433.3 | 432.8 | 432.4 | 432.0 | 431.6 | 431.1 | 430.7 | 430.5  | 430.7 |
| 162.5° | 439.3 | 438.8 | 438.3 | 437.8 | 437.3 | 436.9 | 436.6 | 436.2 | 435.9 | 435.7  | 435.9 |
| 165°   | 443.2 | 442.7 | 442.2 | 441.7 | 441.2 | 441.0 | 440.8 | 440.5 | 440.3 | 440.2  | 440.4 |
| 167.5° | 446.8 | 446.3 | 445.8 | 445.3 | 444.8 | 444.6 | 444.4 | 444.1 | 443.9 | 443.8  | 444.0 |
| 170°   | 449.4 | 448.9 | 448.4 | 447.9 | 447.4 | 447.3 | 447.1 | 447.0 | 446.9 | 446.8  | 447.0 |
| 172.5° | 451.4 | 450.9 | 450.4 | 449.9 | 449.4 | 449.2 | 449.1 | 448.9 | 448.8 | 448.7  | 448.9 |
| 175°   | 452.7 | 452.2 | 451.7 | 451.2 | 450.7 | 450.5 | 450.4 | 450.2 | 450.1 | 450.0  | 450.3 |
| 177.5° | 453.0 | 452.5 | 452.0 | 451.5 | 451.0 | 450.9 | 450.9 | 450.8 | 450.7 | 450.7  | 451.0 |
| 180°   | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4 | 451.4  | 451.4 |

TEST NUMBER: P1008306

CATALOG NUMBER: S122RDIP-B1005D330UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 2219.7 | 2219.7 | 2219.7 | 2219.7 |
| 2.5°   | 2179.6 | 2175.0 | 2202.8 | 2233.6 |
| 5°     | 2134.9 | 2142.6 | 2178.1 | 2221.3 |
| 7.5°   | 2088.6 | 2105.6 | 2147.2 | 2204.3 |
| 10°    | 2023.8 | 2054.7 | 2117.9 | 2176.6 |
| 12.5°  | 1960.6 | 2002.2 | 2062.4 | 2131.8 |
| 15°    | 1889.6 | 1935.9 | 2010.0 | 2093.3 |
| 17.5°  | 1811.0 | 1863.4 | 1949.8 | 2040.8 |
| 20°    | 1727.7 | 1797.1 | 1888.1 | 1986.8 |
| 22.5°  | 1635.1 | 1718.4 | 1812.5 | 1922.0 |
| 25°    | 1545.6 | 1636.7 | 1730.8 | 1857.2 |
| 27.5°  | 1457.7 | 1547.2 | 1652.1 | 1780.1 |
| 30°    | 1369.8 | 1451.6 | 1564.2 | 1701.4 |
| 32.5°  | 1275.7 | 1360.5 | 1479.3 | 1619.7 |
| 35°    | 1189.3 | 1274.2 | 1385.2 | 1524.1 |
| 37.5°  | 1096.8 | 1187.8 | 1294.2 | 1437.7 |
| 40°    | 988.8  | 1095.2 | 1198.6 | 1335.9 |
| 42.5°  | 899.3  | 1011.9 | 1112.2 | 1241.8 |
| 45°    | 828.4  | 934.8  | 1018.1 | 1144.6 |
| 47.5°  | 762.0  | 848.4  | 933.3  | 1050.5 |
| 50°    | 698.8  | 765.1  | 853.0  | 957.9  |
| 52.5°  | 634.0  | 691.1  | 766.7  | 865.4  |
| 55°    | 575.4  | 629.4  | 697.2  | 772.8  |
| 57.5°  | 521.4  | 560.0  | 627.8  | 695.7  |
| 60°    | 461.2  | 501.3  | 553.8  | 610.9  |
| 62.5°  | 410.3  | 441.2  | 490.5  | 538.4  |
| 65°    | 356.3  | 385.6  | 422.7  | 467.4  |
| 67.5°  | 307.0  | 333.2  | 362.5  | 398.0  |
| 70°    | 262.2  | 282.3  | 303.9  | 334.7  |
| 72.5°  | 214.4  | 236.0  | 256.1  | 280.7  |
| 75°    | 175.9  | 185.1  | 202.1  | 219.0  |
| 77.5°  | 135.7  | 148.1  | 157.3  | 171.2  |
| 80°    | 97.2   | 108.0  | 111.1  | 121.9  |
| 82.5°  | 64.8   | 71.0   | 77.1   | 80.2   |
| 85°    | 37.0   | 40.1   | 46.3   | 47.8   |
| 87.5°  | 13.9   | 15.4   | 18.5   | 21.6   |
| 90°    | 2.7    | 1.9    | 1.1    | 0.3    |
| 92.5°  | 7.3    | 7.6    | 7.9    | 8.2    |
| 95°    | 14.1   | 16.4   | 18.8   | 21.2   |
| 97.5°  | 20.3   | 26.3   | 32.2   | 38.2   |
| 100°   | 28.0   | 37.9   | 47.9   | 57.8   |
| 102.5° | 78.9   | 79.1   | 79.2   | 79.4   |
| 105°   | 105.8  | 103.7  | 101.5  | 99.3   |
| 107.5° | 127.9  | 126.1  | 124.3  | 122.5  |
| 110°   | 149.2  | 147.7  | 146.2  | 144.7  |

TEST NUMBER: P1008306

CATALOG NUMBER: S122RDIP-B1005D330UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 169.5 | 168.2 | 166.9 | 165.6 |
| 115°   | 191.5 | 190.2 | 189.0 | 187.8 |
| 117.5° | 211.4 | 210.0 | 208.5 | 207.1 |
| 120°   | 231.9 | 230.8 | 229.7 | 228.6 |
| 122.5° | 250.4 | 249.2 | 248.1 | 246.9 |
| 125°   | 268.4 | 267.4 | 266.5 | 265.5 |
| 127.5° | 285.6 | 284.5 | 283.5 | 282.5 |
| 130°   | 302.0 | 300.8 | 299.7 | 298.5 |
| 132.5° | 317.7 | 316.7 | 315.8 | 314.8 |
| 135°   | 332.1 | 330.9 | 329.8 | 328.6 |
| 137.5° | 345.5 | 344.6 | 343.8 | 342.9 |
| 140°   | 358.7 | 358.2 | 357.6 | 357.0 |
| 142.5° | 370.2 | 369.7 | 369.2 | 368.7 |
| 145°   | 380.9 | 381.0 | 381.0 | 381.1 |
| 147.5° | 391.2 | 391.5 | 391.7 | 391.9 |
| 150°   | 400.9 | 401.4 | 401.9 | 402.4 |
| 152.5° | 409.5 | 410.0 | 410.6 | 411.2 |
| 155°   | 417.7 | 418.4 | 419.0 | 419.7 |
| 157.5° | 424.8 | 425.3 | 425.9 | 426.5 |
| 160°   | 431.1 | 431.6 | 432.0 | 432.4 |
| 162.5° | 436.3 | 436.8 | 437.2 | 437.6 |
| 165°   | 440.9 | 441.3 | 441.8 | 442.2 |
| 167.5° | 444.5 | 444.9 | 445.4 | 445.8 |
| 170°   | 447.4 | 447.9 | 448.3 | 448.7 |
| 172.5° | 449.4 | 449.8 | 450.3 | 450.7 |
| 175°   | 450.8 | 451.3 | 451.8 | 452.3 |
| 177.5° | 451.5 | 452.0 | 452.5 | 453.0 |
| 180°   | 451.4 | 451.4 | 451.4 | 451.4 |

(END OF REPORT)