

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: P1000316

Luminaire Tested: SA4XXDP-B1195DB50-4F0-XX-W2A-A

Issue Date: 5/2/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1000316  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/2/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: SA4XXDP-B1195DB50-4F0-XX-W2A-A  
Description: Define 4 Direct Recessed with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}  
Light Source: -  
Ballast/Driver: -

**Summary**

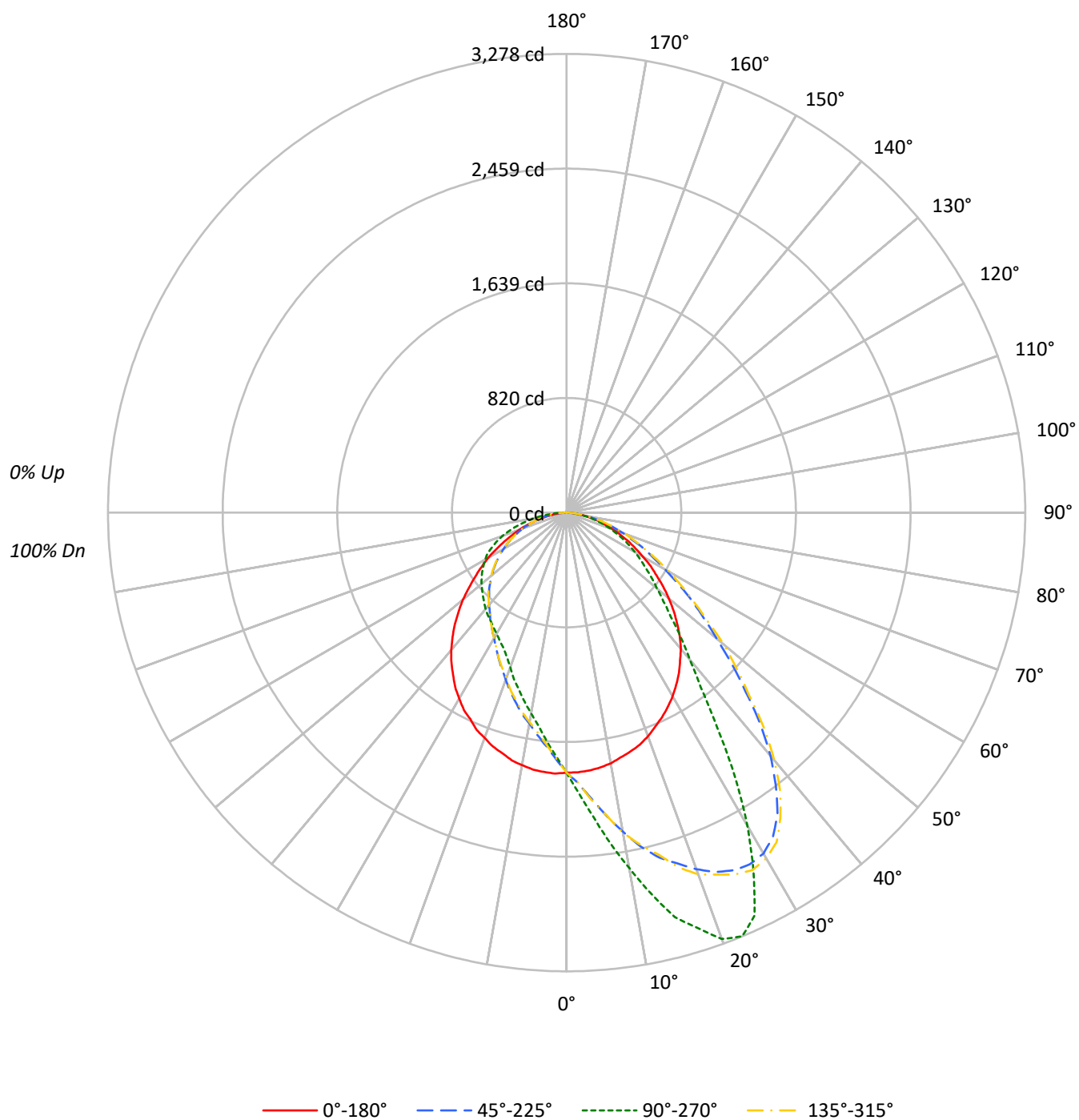
Lumens per Lamp: N/A  
Luminaire Lumens: 5125.0 lumens  
Efficiency: N/A  
Efficacy: 83.6 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 61.3  
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: P1000316

CATALOG NUMBER: SA4XXDP-B1195DB50-4F0-XX-W2A-A

### Luminous Intensity Polar Plot



TEST NUMBER: P1000316

CATALOG NUMBER: SA4XXDP-B1195DB50-4F0-XX-W2A-A

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

|     |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|--|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |  | 20  |     |     |  | 20  |     |     |     |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |  | 30  |     |     |  | 10  |     |     | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 | 100 |
| 1   | 109 | 105 | 101 | 97  | 107 | 103 | 99  | 96  | 98  | 95  | 93  |  | 95  | 92  | 90  |  | 91  | 89  | 87  | 85  |
| 2   | 100 | 92  | 86  | 80  | 98  | 90  | 84  | 79  | 87  | 82  | 78  |  | 84  | 79  | 76  |  | 81  | 77  | 74  | 72  |
| 3   | 92  | 82  | 74  | 68  | 89  | 80  | 73  | 67  | 77  | 71  | 66  |  | 74  | 69  | 65  |  | 72  | 67  | 64  | 62  |
| 4   | 84  | 73  | 64  | 58  | 82  | 72  | 64  | 58  | 69  | 62  | 57  |  | 67  | 61  | 56  |  | 65  | 60  | 55  | 53  |
| 5   | 78  | 65  | 57  | 50  | 76  | 64  | 56  | 50  | 62  | 55  | 50  |  | 60  | 54  | 49  |  | 58  | 53  | 49  | 46  |
| 6   | 72  | 59  | 51  | 44  | 70  | 58  | 50  | 44  | 56  | 49  | 44  |  | 55  | 48  | 43  |  | 53  | 47  | 43  | 41  |
| 7   | 67  | 54  | 45  | 39  | 65  | 53  | 45  | 39  | 52  | 44  | 39  |  | 50  | 44  | 39  |  | 49  | 43  | 38  | 36  |
| 8   | 62  | 49  | 41  | 35  | 61  | 49  | 41  | 35  | 47  | 40  | 35  |  | 46  | 40  | 35  |  | 45  | 39  | 35  | 33  |
| 9   | 58  | 45  | 37  | 32  | 57  | 45  | 37  | 32  | 44  | 37  | 32  |  | 43  | 36  | 32  |  | 42  | 36  | 31  | 30  |
| 10  | 55  | 42  | 34  | 29  | 54  | 41  | 34  | 29  | 40  | 34  | 29  |  | 39  | 33  | 29  |  | 39  | 33  | 29  | 27  |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 15145 | 15145 | 15145 | 15145 |
| 5°  | 15140 | 17836 | 15228 | 13402 |
| 10° | 15060 | 21354 | 15174 | 12066 |
| 15° | 14913 | 25266 | 15017 | 11081 |
| 20° | 14755 | 28134 | 14862 | 10202 |
| 25° | 14509 | 28589 | 14648 | 9595  |
| 30° | 14272 | 24327 | 14445 | 9403  |
| 35° | 13924 | 18703 | 14077 | 9405  |
| 40° | 13514 | 14578 | 13645 | 9583  |
| 45° | 12865 | 12155 | 13024 | 9742  |
| 50° | 12084 | 10697 | 12259 | 10073 |
| 55° | 11157 | 9801  | 11332 | 10479 |
| 60° | 10263 | 9185  | 10565 | 10966 |
| 65° | 9441  | 8552  | 9530  | 11371 |
| 70° | 8476  | 7815  | 8657  | 11630 |
| 75° | 7562  | 6982  | 7514  | 11490 |
| 80° | 6213  | 5851  | 6142  | 11129 |
| 85° | 4603  | 4323  | 4323  | 10657 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 23388 cd/sqm

TEST NUMBER: P1000316

CATALOG NUMBER: SA4XXDP-B1195DB50-4F0-XX-W2A-A

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 180.7  | 3.5       |
| 10°-20°   | 557.9  | 10.9      |
| 20°-30°   | 886.3  | 17.3      |
| 30°-40°   | 984.9  | 19.2      |
| 40°-50°   | 895.6  | 17.5      |
| 50°-60°   | 731.9  | 14.3      |
| 60°-70°   | 522.4  | 10.2      |
| 70°-80°   | 287.5  | 5.6       |
| 80°-90°   | 77.7   | 1.5       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 1625.0 | 31.7      |
| 0°-40°    | 2609.9 | 50.9      |
| 0°-60°    | 4237.4 | 82.7      |
| 0°-90°    | 5125.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5125.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1857 | 1857 | 1857 | 1857 | 1857 |      |
| 5°  | 1850 | 2179 | 1860 | 1637 | 1850 | 176  |
| 15° | 1766 | 2993 | 1779 | 1313 | 1766 | 498  |
| 25° | 1613 | 3178 | 1628 | 1066 | 1613 | 743  |
| 35° | 1399 | 1879 | 1414 | 945  | 1399 | 874  |
| 45° | 1116 | 1054 | 1129 | 845  | 1116 | 860  |
| 55° | 785  | 689  | 797  | 737  | 785  | 706  |
| 65° | 489  | 443  | 494  | 589  | 489  | 483  |
| 75° | 240  | 222  | 238  | 365  | 240  | 252  |
| 85° | 49   | 46   | 46   | 114  | 49   | 60   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |

TEST NUMBER: P1000316

CATALOG NUMBER: SA4XXDP-B1195DB50-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 |
| 2.5°  | 1857.3 | 1875.7 | 1883.4 | 1889.6 | 1909.6 | 1915.7 | 1917.3 | 1926.5 | 1934.2 | 1935.7 | 1935.7 |
| 5°    | 1849.6 | 1878.8 | 1901.9 | 1923.4 | 1955.7 | 1969.6 | 1986.5 | 2005.0 | 2029.6 | 2045.0 | 2052.7 |
| 7.5°  | 1837.3 | 1880.4 | 1915.7 | 1952.7 | 1997.3 | 2025.0 | 2040.4 | 2089.6 | 2123.5 | 2151.2 | 2185.0 |
| 10°   | 1818.8 | 1874.2 | 1925.0 | 1978.8 | 2041.9 | 2075.8 | 2109.6 | 2169.6 | 2217.3 | 2271.2 | 2314.3 |
| 12.5° | 1791.1 | 1863.4 | 1925.0 | 2000.4 | 2078.8 | 2118.9 | 2158.9 | 2263.5 | 2318.9 | 2366.6 | 2443.5 |
| 15°   | 1766.5 | 1838.8 | 1926.5 | 2003.5 | 2100.4 | 2160.4 | 2218.9 | 2286.6 | 2374.3 | 2477.4 | 2551.2 |
| 17.5° | 1738.8 | 1829.6 | 1911.1 | 2018.8 | 2126.5 | 2183.5 | 2231.2 | 2335.8 | 2458.9 | 2560.5 | 2628.2 |
| 20°   | 1700.3 | 1792.6 | 1900.4 | 2014.2 | 2141.9 | 2186.6 | 2249.6 | 2389.7 | 2500.5 | 2600.5 | 2711.3 |
| 22.5° | 1655.7 | 1763.4 | 1877.3 | 1986.5 | 2118.9 | 2212.7 | 2282.0 | 2405.1 | 2538.9 | 2654.3 | 2779.0 |
| 25°   | 1612.6 | 1729.6 | 1829.6 | 1978.8 | 2118.9 | 2181.9 | 2260.4 | 2406.6 | 2552.8 | 2692.8 | 2820.5 |
| 27.5° | 1566.4 | 1675.7 | 1811.1 | 1929.6 | 2088.1 | 2157.3 | 2242.0 | 2402.0 | 2557.4 | 2697.4 | 2834.4 |
| 30°   | 1515.7 | 1632.6 | 1744.9 | 1885.0 | 2038.8 | 2128.1 | 2206.6 | 2380.4 | 2538.9 | 2685.1 | 2812.8 |
| 32.5° | 1458.7 | 1569.5 | 1689.5 | 1821.9 | 1983.4 | 2074.2 | 2172.7 | 2351.2 | 2520.5 | 2646.6 | 2745.1 |
| 35°   | 1398.7 | 1511.1 | 1615.7 | 1751.1 | 1917.3 | 2008.1 | 2103.5 | 2300.4 | 2468.2 | 2571.2 | 2628.2 |
| 37.5° | 1332.6 | 1438.7 | 1541.8 | 1675.7 | 1841.9 | 1938.8 | 2035.8 | 2226.6 | 2385.1 | 2471.2 | 2455.8 |
| 40°   | 1269.5 | 1364.9 | 1460.3 | 1586.4 | 1760.3 | 1863.4 | 1948.1 | 2140.4 | 2278.9 | 2315.8 | 2265.0 |
| 42.5° | 1197.1 | 1278.7 | 1371.0 | 1500.3 | 1669.5 | 1766.5 | 1872.7 | 2048.1 | 2151.2 | 2135.8 | 2049.6 |
| 45°   | 1115.6 | 1187.9 | 1280.2 | 1401.8 | 1574.1 | 1674.2 | 1763.4 | 1929.6 | 2005.0 | 1966.5 | 1809.6 |
| 47.5° | 1037.1 | 1107.9 | 1183.3 | 1304.9 | 1472.6 | 1557.2 | 1648.0 | 1797.3 | 1840.3 | 1758.8 | 1601.8 |
| 50°   | 952.5  | 1011.0 | 1089.4 | 1204.8 | 1361.8 | 1451.0 | 1526.4 | 1646.5 | 1661.8 | 1561.8 | 1398.7 |
| 52.5° | 870.9  | 920.2  | 995.6  | 1109.4 | 1255.6 | 1326.4 | 1400.3 | 1506.4 | 1494.1 | 1391.0 | 1234.1 |
| 55°   | 784.8  | 830.9  | 900.2  | 1004.8 | 1134.1 | 1201.8 | 1264.9 | 1358.7 | 1332.6 | 1226.4 | 1089.4 |
| 57.5° | 712.4  | 744.8  | 812.5  | 909.4  | 1015.6 | 1089.4 | 1143.3 | 1217.1 | 1177.1 | 1071.0 | 943.3  |
| 60°   | 629.3  | 669.4  | 726.3  | 804.8  | 909.4  | 958.6  | 1006.3 | 1055.6 | 1027.9 | 926.3  | 812.5  |
| 62.5° | 553.9  | 584.7  | 634.0  | 709.4  | 790.9  | 835.5  | 886.3  | 917.1  | 889.4  | 795.5  | 700.1  |
| 65°   | 489.3  | 513.9  | 552.4  | 614.0  | 692.4  | 729.4  | 758.6  | 787.8  | 764.8  | 677.0  | 607.8  |
| 67.5° | 418.5  | 440.1  | 472.4  | 521.6  | 587.8  | 614.0  | 641.7  | 661.7  | 635.5  | 577.0  | 509.3  |
| 70°   | 355.5  | 370.8  | 401.6  | 438.5  | 484.7  | 509.3  | 532.4  | 552.4  | 529.3  | 480.1  | 429.3  |
| 72.5° | 290.8  | 303.1  | 330.8  | 357.0  | 398.5  | 415.5  | 432.4  | 447.8  | 440.1  | 393.9  | 352.4  |
| 75°   | 240.0  | 244.7  | 263.1  | 284.7  | 310.8  | 329.3  | 341.6  | 350.8  | 344.7  | 307.7  | 281.6  |
| 77.5° | 181.6  | 187.7  | 201.6  | 218.5  | 241.6  | 252.4  | 260.0  | 269.3  | 261.6  | 232.4  | 213.9  |
| 80°   | 132.3  | 133.9  | 141.6  | 157.0  | 172.3  | 173.9  | 181.6  | 193.9  | 189.3  | 169.3  | 155.4  |
| 82.5° | 84.6   | 89.2   | 92.3   | 101.6  | 112.3  | 115.4  | 120.0  | 123.1  | 121.6  | 109.3  | 104.6  |
| 85°   | 49.2   | 49.2   | 52.3   | 58.5   | 61.5   | 66.2   | 67.7   | 69.2   | 72.3   | 64.6   | 60.0   |
| 87.5° | 21.5   | 23.1   | 23.1   | 24.6   | 27.7   | 27.7   | 29.2   | 30.8   | 32.3   | 30.8   | 26.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P1000316

CATALOG NUMBER: SA4XXDP-B1195DB50-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 |
| 2.5°  | 1940.4 | 1968.1 | 1980.4 | 1983.4 | 2000.4 | 1989.6 | 1994.2 | 1992.7 | 2005.0 | 2006.5 | 2006.5 |
| 5°    | 2081.9 | 2114.2 | 2125.0 | 2140.4 | 2163.5 | 2169.6 | 2165.0 | 2174.3 | 2191.2 | 2178.9 | 2197.3 |
| 7.5°  | 2231.2 | 2266.6 | 2291.2 | 2325.0 | 2332.7 | 2352.7 | 2365.1 | 2375.8 | 2378.9 | 2380.4 | 2383.5 |
| 10°   | 2369.7 | 2414.3 | 2448.1 | 2505.1 | 2517.4 | 2528.2 | 2582.0 | 2560.5 | 2588.2 | 2578.9 | 2582.0 |
| 12.5° | 2482.0 | 2569.7 | 2597.4 | 2692.8 | 2702.0 | 2739.0 | 2735.9 | 2769.7 | 2775.9 | 2788.2 | 2775.9 |
| 15°   | 2629.7 | 2731.3 | 2775.9 | 2829.8 | 2860.5 | 2903.6 | 2911.3 | 2957.5 | 2975.9 | 2992.9 | 2975.9 |
| 17.5° | 2765.1 | 2819.0 | 2932.9 | 2975.9 | 2995.9 | 3019.0 | 3077.5 | 3094.4 | 3122.1 | 3111.3 | 3142.1 |
| 20°   | 2832.8 | 2909.8 | 3029.8 | 3103.7 | 3134.4 | 3156.0 | 3205.2 | 3231.4 | 3242.1 | 3242.1 | 3245.2 |
| 22.5° | 2892.8 | 3003.6 | 3092.9 | 3177.5 | 3205.2 | 3220.6 | 3249.8 | 3269.8 | 3274.5 | 3277.5 | 3280.6 |
| 25°   | 2946.7 | 3046.7 | 3119.0 | 3166.7 | 3177.5 | 3177.5 | 3194.4 | 3182.1 | 3162.1 | 3177.5 | 3186.7 |
| 27.5° | 2946.7 | 3017.5 | 3049.8 | 3066.7 | 3066.7 | 3025.2 | 3000.6 | 2949.8 | 2906.7 | 2894.4 | 2922.1 |
| 30°   | 2897.5 | 2929.8 | 2885.2 | 2843.6 | 2811.3 | 2783.6 | 2686.7 | 2609.7 | 2594.3 | 2583.6 | 2625.1 |
| 32.5° | 2783.6 | 2742.0 | 2654.3 | 2534.3 | 2486.6 | 2423.5 | 2348.1 | 2289.7 | 2254.3 | 2242.0 | 2232.7 |
| 35°   | 2582.0 | 2474.3 | 2360.4 | 2198.9 | 2165.0 | 2085.0 | 1981.9 | 1938.8 | 1880.4 | 1878.8 | 1898.8 |
| 37.5° | 2362.0 | 2195.8 | 2072.7 | 1918.8 | 1871.1 | 1786.5 | 1689.5 | 1644.9 | 1604.9 | 1574.1 | 1611.1 |
| 40°   | 2105.0 | 1960.4 | 1772.6 | 1646.5 | 1578.8 | 1534.1 | 1452.6 | 1403.3 | 1384.9 | 1369.5 | 1392.6 |
| 42.5° | 1865.0 | 1706.5 | 1560.3 | 1431.0 | 1375.6 | 1324.9 | 1271.0 | 1223.3 | 1209.5 | 1207.9 | 1224.8 |
| 45°   | 1626.5 | 1471.0 | 1335.6 | 1224.8 | 1189.5 | 1158.7 | 1106.4 | 1092.5 | 1069.4 | 1054.0 | 1061.7 |
| 47.5° | 1435.7 | 1275.6 | 1163.3 | 1078.7 | 1047.9 | 1021.7 | 987.9  | 964.8  | 944.8  | 938.6  | 947.9  |
| 50°   | 1247.9 | 1140.2 | 1024.8 | 954.0  | 930.9  | 906.3  | 880.2  | 858.6  | 849.4  | 843.2  | 849.4  |
| 52.5° | 1097.1 | 981.7  | 903.2  | 846.3  | 823.2  | 804.8  | 786.3  | 777.1  | 764.8  | 767.8  | 774.0  |
| 55°   | 961.7  | 860.2  | 794.0  | 752.4  | 738.6  | 730.9  | 707.8  | 697.1  | 692.4  | 689.4  | 692.4  |
| 57.5° | 834.0  | 760.1  | 710.9  | 675.5  | 657.0  | 652.4  | 634.0  | 634.0  | 629.3  | 624.7  | 626.3  |
| 60°   | 732.4  | 669.4  | 621.7  | 594.0  | 590.9  | 583.2  | 570.9  | 569.3  | 558.6  | 563.2  | 564.7  |
| 62.5° | 629.3  | 578.6  | 546.3  | 529.3  | 518.6  | 515.5  | 507.8  | 506.2  | 501.6  | 503.2  | 500.1  |
| 65°   | 547.8  | 506.2  | 473.9  | 460.1  | 455.5  | 453.9  | 447.8  | 443.2  | 440.1  | 443.2  | 440.1  |
| 67.5° | 466.2  | 438.5  | 413.9  | 400.1  | 393.9  | 392.4  | 387.8  | 384.7  | 386.2  | 381.6  | 384.7  |
| 70°   | 389.3  | 361.6  | 346.2  | 338.5  | 335.4  | 330.8  | 330.8  | 330.8  | 330.8  | 327.8  | 326.2  |
| 72.5° | 327.8  | 300.1  | 289.3  | 284.7  | 281.6  | 280.1  | 275.4  | 277.0  | 275.4  | 273.9  | 280.1  |
| 75°   | 260.0  | 243.1  | 232.4  | 227.7  | 230.8  | 226.2  | 221.6  | 224.7  | 220.0  | 221.6  | 227.7  |
| 77.5° | 197.0  | 189.3  | 183.1  | 180.0  | 177.0  | 173.9  | 173.9  | 170.8  | 170.8  | 170.8  | 170.8  |
| 80°   | 143.1  | 141.6  | 130.8  | 129.3  | 129.3  | 126.2  | 126.2  | 126.2  | 126.2  | 124.6  | 126.2  |
| 82.5° | 95.4   | 93.9   | 90.8   | 89.2   | 86.2   | 87.7   | 87.7   | 84.6   | 84.6   | 83.1   | 84.6   |
| 85°   | 55.4   | 55.4   | 52.3   | 50.8   | 49.2   | 50.8   | 47.7   | 46.2   | 47.7   | 46.2   | 47.7   |
| 87.5° | 26.2   | 23.1   | 24.6   | 23.1   | 20.0   | 21.5   | 18.5   | 20.0   | 18.5   | 16.9   | 20.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P1000316

CATALOG NUMBER: SA4XXDP-B1195DB50-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 |
| 2.5°  | 2003.5 | 1998.8 | 1992.7 | 1992.7 | 1985.0 | 1985.0 | 1972.7 | 1951.1 | 1932.7 | 1926.5 | 1929.6 |
| 5°    | 2174.3 | 2175.8 | 2166.6 | 2158.9 | 2145.0 | 2134.2 | 2114.2 | 2075.8 | 2063.5 | 2038.8 | 2021.9 |
| 7.5°  | 2369.7 | 2363.5 | 2346.6 | 2334.3 | 2331.2 | 2306.6 | 2263.5 | 2217.3 | 2180.4 | 2155.8 | 2120.4 |
| 10°   | 2589.7 | 2565.1 | 2540.5 | 2532.8 | 2514.3 | 2472.8 | 2423.5 | 2372.7 | 2322.0 | 2268.1 | 2208.1 |
| 12.5° | 2774.4 | 2726.7 | 2725.1 | 2706.7 | 2671.3 | 2648.2 | 2589.7 | 2517.4 | 2429.7 | 2369.7 | 2302.0 |
| 15°   | 2972.9 | 2928.2 | 2891.3 | 2857.5 | 2840.5 | 2772.8 | 2723.6 | 2632.8 | 2528.2 | 2463.5 | 2417.4 |
| 17.5° | 3114.4 | 3094.4 | 3031.3 | 3015.9 | 2992.9 | 2914.4 | 2835.9 | 2746.7 | 2655.9 | 2565.1 | 2440.5 |
| 20°   | 3228.3 | 3216.0 | 3174.4 | 3152.9 | 3116.0 | 3054.4 | 2959.0 | 2855.9 | 2751.3 | 2622.0 | 2505.1 |
| 22.5° | 3277.5 | 3262.1 | 3228.3 | 3209.8 | 3186.7 | 3134.4 | 3052.9 | 2935.9 | 2799.0 | 2683.6 | 2558.9 |
| 25°   | 3180.6 | 3208.3 | 3199.1 | 3191.4 | 3182.1 | 3151.4 | 3089.8 | 2986.7 | 2852.8 | 2722.0 | 2566.6 |
| 27.5° | 2962.1 | 3009.8 | 3056.0 | 3062.1 | 3077.5 | 3089.8 | 3065.2 | 2991.3 | 2879.0 | 2740.5 | 2569.7 |
| 30°   | 2668.2 | 2689.7 | 2783.6 | 2811.3 | 2832.8 | 2911.3 | 2957.5 | 2939.0 | 2852.8 | 2728.2 | 2571.2 |
| 32.5° | 2291.2 | 2348.1 | 2443.5 | 2509.7 | 2568.2 | 2655.9 | 2775.9 | 2823.6 | 2792.8 | 2691.3 | 2535.9 |
| 35°   | 1934.2 | 2001.9 | 2112.7 | 2197.3 | 2255.8 | 2380.4 | 2522.0 | 2625.1 | 2663.6 | 2612.8 | 2474.3 |
| 37.5° | 1641.8 | 1723.4 | 1821.9 | 1854.2 | 1921.9 | 2075.8 | 2271.2 | 2414.3 | 2508.2 | 2512.8 | 2405.1 |
| 40°   | 1421.8 | 1463.3 | 1541.8 | 1591.1 | 1657.2 | 1786.5 | 1977.3 | 2166.6 | 2308.1 | 2355.8 | 2298.9 |
| 42.5° | 1235.6 | 1267.9 | 1326.4 | 1386.4 | 1446.4 | 1544.9 | 1720.3 | 1897.3 | 2088.1 | 2183.5 | 2181.9 |
| 45°   | 1087.9 | 1121.7 | 1161.8 | 1211.0 | 1252.5 | 1358.7 | 1497.2 | 1678.8 | 1843.4 | 1991.1 | 2028.1 |
| 47.5° | 958.6  | 987.9  | 1037.1 | 1058.7 | 1086.4 | 1186.4 | 1306.4 | 1475.7 | 1646.5 | 1815.7 | 1858.8 |
| 50°   | 863.2  | 887.9  | 921.7  | 935.6  | 966.3  | 1040.2 | 1138.7 | 1275.6 | 1464.9 | 1620.3 | 1700.3 |
| 52.5° | 777.1  | 795.5  | 821.7  | 832.5  | 854.0  | 909.4  | 998.6  | 1106.4 | 1263.3 | 1423.3 | 1535.7 |
| 55°   | 703.2  | 715.5  | 734.0  | 746.3  | 761.7  | 810.9  | 877.1  | 974.0  | 1109.4 | 1247.9 | 1357.2 |
| 57.5° | 634.0  | 643.2  | 661.7  | 667.8  | 680.1  | 718.6  | 764.8  | 846.3  | 971.0  | 1094.0 | 1200.2 |
| 60°   | 569.3  | 575.5  | 586.3  | 600.1  | 609.3  | 635.5  | 678.6  | 746.3  | 846.3  | 958.6  | 1044.8 |
| 62.5° | 507.8  | 517.0  | 520.1  | 526.3  | 533.9  | 558.6  | 592.4  | 641.7  | 729.4  | 821.7  | 912.5  |
| 65°   | 444.7  | 452.4  | 458.5  | 460.1  | 467.8  | 486.2  | 517.0  | 560.1  | 617.0  | 697.1  | 781.7  |
| 67.5° | 386.2  | 390.8  | 393.9  | 400.1  | 407.8  | 417.0  | 441.6  | 473.9  | 526.3  | 590.9  | 658.6  |
| 70°   | 332.4  | 332.4  | 337.0  | 338.5  | 347.8  | 358.5  | 369.3  | 400.1  | 446.2  | 498.6  | 544.7  |
| 72.5° | 273.9  | 281.6  | 280.1  | 287.7  | 286.2  | 293.9  | 307.7  | 327.8  | 361.6  | 403.2  | 447.8  |
| 75°   | 223.1  | 227.7  | 227.7  | 227.7  | 230.8  | 237.0  | 244.7  | 263.1  | 289.3  | 323.1  | 349.3  |
| 77.5° | 173.9  | 177.0  | 177.0  | 177.0  | 178.5  | 184.6  | 192.3  | 204.7  | 223.1  | 243.1  | 258.5  |
| 80°   | 124.6  | 127.7  | 127.7  | 130.8  | 130.8  | 132.3  | 140.0  | 146.2  | 155.4  | 170.8  | 186.2  |
| 82.5° | 84.6   | 86.2   | 89.2   | 89.2   | 87.7   | 90.8   | 92.3   | 98.5   | 107.7  | 110.8  | 121.6  |
| 85°   | 46.2   | 47.7   | 49.2   | 49.2   | 50.8   | 53.9   | 52.3   | 58.5   | 58.5   | 64.6   | 67.7   |
| 87.5° | 18.5   | 21.5   | 21.5   | 20.0   | 21.5   | 21.5   | 21.5   | 24.6   | 26.2   | 27.7   | 26.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



TEST NUMBER: P1000316

CATALOG NUMBER: SA4XXDP-B1195DB50-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 |
| 2.5°  | 1915.7 | 1909.6 | 1905.0 | 1905.0 | 1891.1 | 1877.3 | 1869.6 | 1866.5 | 1863.4 | 1851.1 | 1834.2 |
| 5°    | 1994.2 | 1974.2 | 1960.4 | 1946.5 | 1923.4 | 1898.8 | 1874.2 | 1860.3 | 1840.3 | 1812.6 | 1792.6 |
| 7.5°  | 2081.9 | 2034.2 | 2018.8 | 2001.9 | 1955.7 | 1914.2 | 1880.4 | 1851.1 | 1818.8 | 1783.4 | 1748.0 |
| 10°   | 2155.8 | 2105.0 | 2071.2 | 2041.9 | 1981.9 | 1926.5 | 1875.7 | 1832.6 | 1791.1 | 1744.9 | 1701.9 |
| 12.5° | 2226.6 | 2154.2 | 2118.9 | 2075.8 | 2012.7 | 1932.7 | 1866.5 | 1812.6 | 1751.1 | 1703.4 | 1651.1 |
| 15°   | 2325.0 | 2203.5 | 2145.0 | 2117.3 | 2032.7 | 1938.8 | 1858.8 | 1778.8 | 1728.0 | 1655.7 | 1609.5 |
| 17.5° | 2340.4 | 2242.0 | 2203.5 | 2132.7 | 2031.1 | 1925.0 | 1832.6 | 1752.6 | 1675.7 | 1611.1 | 1551.1 |
| 20°   | 2394.3 | 2265.0 | 2203.5 | 2158.9 | 2025.0 | 1917.3 | 1815.7 | 1712.6 | 1638.8 | 1569.5 | 1501.8 |
| 22.5° | 2428.1 | 2282.0 | 2217.3 | 2146.6 | 2018.8 | 1889.6 | 1769.6 | 1680.3 | 1589.5 | 1518.7 | 1464.9 |
| 25°   | 2418.9 | 2272.7 | 2200.4 | 2134.2 | 1978.8 | 1849.6 | 1741.9 | 1628.0 | 1543.4 | 1466.4 | 1395.6 |
| 27.5° | 2414.3 | 2249.6 | 2172.7 | 2098.9 | 1952.7 | 1817.3 | 1681.9 | 1589.5 | 1495.7 | 1406.4 | 1354.1 |
| 30°   | 2402.0 | 2220.4 | 2131.2 | 2051.2 | 1898.8 | 1757.3 | 1641.8 | 1534.1 | 1440.3 | 1358.7 | 1289.5 |
| 32.5° | 2360.4 | 2171.2 | 2085.0 | 1998.8 | 1840.3 | 1698.8 | 1581.8 | 1481.8 | 1388.0 | 1303.3 | 1237.2 |
| 35°   | 2305.0 | 2112.7 | 2018.8 | 1928.1 | 1769.6 | 1626.5 | 1518.7 | 1414.1 | 1326.4 | 1244.8 | 1181.8 |
| 37.5° | 2249.6 | 2045.0 | 1957.3 | 1852.7 | 1706.5 | 1557.2 | 1446.4 | 1352.6 | 1271.0 | 1186.4 | 1117.1 |
| 40°   | 2169.6 | 1965.0 | 1868.0 | 1778.8 | 1608.0 | 1468.0 | 1366.4 | 1281.8 | 1201.8 | 1121.7 | 1063.3 |
| 42.5° | 2060.4 | 1877.3 | 1777.3 | 1678.8 | 1518.7 | 1380.3 | 1281.8 | 1206.4 | 1131.0 | 1064.8 | 1000.2 |
| 45°   | 1949.6 | 1771.1 | 1681.9 | 1594.1 | 1420.3 | 1289.5 | 1198.7 | 1129.4 | 1066.4 | 994.0  | 941.7  |
| 47.5° | 1815.7 | 1664.9 | 1575.7 | 1489.5 | 1324.9 | 1194.1 | 1111.0 | 1046.3 | 987.9  | 927.9  | 878.6  |
| 50°   | 1678.8 | 1548.0 | 1466.4 | 1377.2 | 1220.2 | 1101.7 | 1020.2 | 966.3  | 918.6  | 861.7  | 821.7  |
| 52.5° | 1531.1 | 1417.2 | 1347.9 | 1261.8 | 1123.3 | 1014.0 | 930.9  | 877.1  | 837.1  | 795.5  | 760.1  |
| 55°   | 1374.1 | 1291.0 | 1217.1 | 1147.9 | 1017.1 | 918.6  | 844.8  | 797.1  | 769.4  | 730.9  | 700.1  |
| 57.5° | 1232.5 | 1152.5 | 1107.9 | 1029.4 | 915.6  | 818.6  | 760.1  | 720.1  | 687.8  | 664.7  | 640.1  |
| 60°   | 1084.8 | 1020.2 | 971.0  | 914.0  | 814.0  | 732.4  | 670.9  | 647.8  | 614.0  | 597.0  | 586.3  |
| 62.5° | 943.3  | 897.1  | 850.9  | 807.8  | 718.6  | 641.7  | 595.5  | 566.3  | 546.3  | 529.3  | 520.1  |
| 65°   | 809.4  | 766.3  | 734.0  | 695.5  | 621.7  | 560.1  | 517.0  | 493.9  | 473.9  | 469.3  | 458.5  |
| 67.5° | 678.6  | 660.1  | 624.7  | 594.0  | 530.9  | 483.2  | 450.9  | 421.6  | 410.8  | 406.2  | 397.0  |
| 70°   | 567.8  | 546.3  | 518.6  | 492.4  | 444.7  | 403.2  | 373.9  | 363.1  | 347.8  | 346.2  | 335.4  |
| 72.5° | 467.8  | 441.6  | 421.6  | 401.6  | 366.2  | 329.3  | 313.9  | 298.5  | 290.8  | 284.7  | 280.1  |
| 75°   | 370.8  | 352.4  | 338.5  | 321.6  | 290.8  | 266.2  | 244.7  | 238.5  | 233.9  | 232.4  | 229.3  |
| 77.5° | 277.0  | 264.7  | 258.5  | 241.6  | 220.0  | 198.5  | 189.3  | 180.0  | 180.0  | 177.0  | 178.5  |
| 80°   | 197.0  | 189.3  | 181.6  | 172.3  | 153.9  | 144.6  | 136.9  | 130.8  | 127.7  | 126.2  | 127.7  |
| 82.5° | 124.6  | 120.0  | 118.5  | 112.3  | 100.0  | 95.4   | 89.2   | 84.6   | 84.6   | 84.6   | 84.6   |
| 85°   | 69.2   | 69.2   | 69.2   | 60.0   | 55.4   | 50.8   | 47.7   | 46.2   | 46.2   | 46.2   | 47.7   |
| 87.5° | 29.2   | 29.2   | 24.6   | 24.6   | 23.1   | 20.0   | 18.5   | 18.5   | 20.0   | 20.0   | 21.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P1000316

CATALOG NUMBER: SA4XXDP-B1195DB50-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|       | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 |
| 2.5°  | 1829.6 | 1823.4 | 1826.5 | 1811.1 | 1797.3 | 1777.3 | 1760.3 | 1757.3 | 1754.2 | 1763.4 | 1757.3 |
| 5°    | 1777.3 | 1769.6 | 1761.9 | 1743.4 | 1715.7 | 1698.8 | 1674.2 | 1672.6 | 1663.4 | 1649.5 | 1652.6 |
| 7.5°  | 1720.3 | 1715.7 | 1704.9 | 1675.7 | 1651.1 | 1621.8 | 1601.8 | 1584.9 | 1577.2 | 1564.9 | 1560.3 |
| 10°   | 1674.2 | 1657.2 | 1648.0 | 1615.7 | 1586.4 | 1555.7 | 1529.5 | 1517.2 | 1503.4 | 1492.6 | 1484.9 |
| 12.5° | 1611.1 | 1606.5 | 1580.3 | 1554.1 | 1529.5 | 1494.1 | 1474.1 | 1438.7 | 1420.3 | 1429.5 | 1426.4 |
| 15°   | 1569.5 | 1548.0 | 1541.8 | 1504.9 | 1463.3 | 1440.3 | 1403.3 | 1380.3 | 1372.6 | 1358.7 | 1341.8 |
| 17.5° | 1514.1 | 1500.3 | 1478.7 | 1444.9 | 1397.2 | 1364.9 | 1338.7 | 1317.2 | 1307.9 | 1289.5 | 1275.6 |
| 20°   | 1461.8 | 1438.7 | 1421.8 | 1391.0 | 1344.9 | 1303.3 | 1271.0 | 1257.2 | 1234.1 | 1218.7 | 1211.0 |
| 22.5° | 1414.1 | 1397.2 | 1372.6 | 1326.4 | 1286.4 | 1246.4 | 1207.9 | 1187.9 | 1166.4 | 1157.1 | 1144.8 |
| 25°   | 1355.6 | 1327.9 | 1311.0 | 1260.2 | 1217.1 | 1184.8 | 1149.4 | 1123.3 | 1111.0 | 1095.6 | 1092.5 |
| 27.5° | 1298.7 | 1272.5 | 1252.5 | 1207.9 | 1155.6 | 1114.1 | 1092.5 | 1074.0 | 1052.5 | 1052.5 | 1044.8 |
| 30°   | 1241.8 | 1223.3 | 1192.5 | 1149.4 | 1100.2 | 1060.2 | 1035.6 | 1018.7 | 1011.0 | 1004.8 | 1003.3 |
| 32.5° | 1184.8 | 1160.2 | 1141.8 | 1083.3 | 1046.3 | 1009.4 | 991.0  | 977.1  | 967.9  | 966.3  | 967.9  |
| 35°   | 1126.4 | 1098.7 | 1080.2 | 1027.9 | 991.0  | 957.1  | 949.4  | 937.1  | 932.5  | 930.9  | 938.6  |
| 37.5° | 1064.8 | 1043.3 | 1020.2 | 977.1  | 935.6  | 915.6  | 900.2  | 895.6  | 894.0  | 903.2  | 906.3  |
| 40°   | 1007.9 | 989.4  | 967.9  | 921.7  | 890.9  | 869.4  | 861.7  | 857.1  | 863.2  | 872.5  | 877.1  |
| 42.5° | 954.0  | 927.9  | 910.9  | 869.4  | 841.7  | 829.4  | 820.2  | 820.2  | 826.3  | 837.1  | 844.8  |
| 45°   | 897.1  | 877.1  | 860.2  | 823.2  | 798.6  | 784.8  | 783.2  | 784.8  | 792.5  | 800.1  | 809.4  |
| 47.5° | 841.7  | 821.7  | 803.2  | 772.5  | 750.9  | 743.2  | 741.7  | 743.2  | 755.5  | 766.3  | 777.1  |
| 50°   | 790.9  | 769.4  | 752.4  | 723.2  | 706.3  | 697.1  | 698.6  | 706.3  | 715.5  | 730.9  | 744.8  |
| 52.5° | 730.9  | 715.5  | 700.1  | 674.0  | 658.6  | 652.4  | 657.0  | 663.2  | 680.1  | 690.9  | 707.8  |
| 55°   | 672.4  | 658.6  | 646.3  | 626.3  | 614.0  | 609.3  | 612.4  | 621.7  | 635.5  | 654.0  | 674.0  |
| 57.5° | 618.6  | 603.2  | 590.9  | 577.0  | 563.2  | 564.7  | 566.3  | 578.6  | 595.5  | 612.4  | 635.5  |
| 60°   | 558.6  | 549.3  | 538.6  | 521.6  | 515.5  | 515.5  | 520.1  | 533.9  | 549.3  | 577.0  | 597.0  |
| 62.5° | 504.7  | 492.4  | 484.7  | 473.9  | 464.7  | 466.2  | 477.0  | 489.3  | 507.8  | 530.9  | 557.0  |
| 65°   | 449.3  | 435.5  | 429.3  | 420.1  | 417.0  | 418.5  | 426.2  | 444.7  | 464.7  | 484.7  | 509.3  |
| 67.5° | 387.8  | 383.1  | 377.0  | 367.8  | 370.8  | 372.4  | 380.1  | 395.5  | 417.0  | 437.0  | 464.7  |
| 70°   | 335.4  | 326.2  | 324.7  | 317.0  | 317.0  | 321.6  | 337.0  | 347.8  | 367.8  | 389.3  | 418.5  |
| 72.5° | 280.1  | 272.4  | 272.4  | 266.2  | 270.8  | 275.4  | 283.1  | 298.5  | 317.0  | 338.5  | 363.1  |
| 75°   | 223.1  | 220.0  | 223.1  | 220.0  | 220.0  | 227.7  | 237.0  | 249.3  | 269.3  | 292.4  | 312.4  |
| 77.5° | 172.3  | 172.3  | 170.8  | 175.4  | 175.4  | 180.0  | 192.3  | 204.7  | 220.0  | 238.5  | 260.0  |
| 80°   | 126.2  | 126.2  | 126.2  | 130.8  | 135.4  | 135.4  | 143.1  | 158.5  | 172.3  | 184.6  | 204.7  |
| 82.5° | 86.2   | 86.2   | 86.2   | 89.2   | 95.4   | 95.4   | 104.6  | 113.9  | 129.3  | 140.0  | 149.3  |
| 85°   | 52.3   | 52.3   | 50.8   | 53.9   | 55.4   | 60.0   | 67.7   | 73.9   | 81.6   | 90.8   | 100.0  |
| 87.5° | 23.1   | 23.1   | 24.6   | 26.2   | 27.7   | 30.8   | 33.9   | 36.9   | 44.6   | 47.7   | 52.3   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P1000316

CATALOG NUMBER: SA4XXDP-B1195DB50-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 |
| 2.5°  | 1752.6 | 1751.1 | 1743.4 | 1746.5 | 1737.2 | 1740.3 | 1744.9 | 1746.5 | 1752.6 | 1748.0 | 1746.5 |
| 5°    | 1644.9 | 1641.8 | 1637.2 | 1632.6 | 1631.1 | 1637.2 | 1626.5 | 1629.5 | 1632.6 | 1637.2 | 1643.4 |
| 7.5°  | 1557.2 | 1555.7 | 1551.1 | 1543.4 | 1540.3 | 1537.2 | 1538.7 | 1549.5 | 1548.0 | 1546.4 | 1557.2 |
| 10°   | 1477.2 | 1478.7 | 1469.5 | 1468.0 | 1458.7 | 1457.2 | 1458.7 | 1461.8 | 1466.4 | 1472.6 | 1474.1 |
| 12.5° | 1394.1 | 1414.1 | 1397.2 | 1391.0 | 1377.2 | 1384.9 | 1388.0 | 1374.1 | 1381.8 | 1386.4 | 1409.5 |
| 15°   | 1341.8 | 1332.6 | 1321.8 | 1321.8 | 1315.6 | 1312.6 | 1304.9 | 1315.6 | 1321.8 | 1331.0 | 1327.9 |
| 17.5° | 1269.5 | 1254.1 | 1247.9 | 1241.8 | 1243.3 | 1249.5 | 1232.5 | 1257.2 | 1257.2 | 1261.8 | 1254.1 |
| 20°   | 1206.4 | 1194.1 | 1186.4 | 1183.3 | 1178.7 | 1175.6 | 1174.1 | 1180.2 | 1189.5 | 1192.5 | 1200.2 |
| 22.5° | 1140.2 | 1140.2 | 1127.9 | 1123.3 | 1120.2 | 1115.6 | 1123.3 | 1118.7 | 1124.8 | 1131.0 | 1143.3 |
| 25°   | 1084.8 | 1084.8 | 1080.2 | 1074.0 | 1069.4 | 1066.4 | 1071.0 | 1069.4 | 1074.0 | 1081.7 | 1084.8 |
| 27.5° | 1040.2 | 1035.6 | 1034.0 | 1032.5 | 1031.0 | 1032.5 | 1031.0 | 1035.6 | 1040.2 | 1041.7 | 1038.7 |
| 30°   | 1001.7 | 997.1  | 998.6  | 998.6  | 1000.2 | 998.6  | 997.1  | 1001.7 | 1003.3 | 1000.2 | 1001.7 |
| 32.5° | 966.3  | 966.3  | 969.4  | 971.0  | 971.0  | 972.5  | 974.0  | 971.0  | 972.5  | 967.9  | 969.4  |
| 35°   | 937.1  | 940.2  | 943.3  | 944.8  | 946.3  | 944.8  | 947.9  | 946.3  | 943.3  | 940.2  | 938.6  |
| 37.5° | 907.9  | 910.9  | 917.1  | 918.6  | 923.2  | 924.8  | 921.7  | 921.7  | 920.2  | 914.0  | 910.9  |
| 40°   | 877.1  | 880.2  | 887.9  | 892.5  | 895.6  | 900.2  | 897.1  | 897.1  | 890.9  | 884.8  | 880.2  |
| 42.5° | 847.9  | 854.0  | 861.7  | 866.3  | 872.5  | 872.5  | 872.5  | 869.4  | 861.7  | 855.5  | 850.9  |
| 45°   | 818.6  | 820.2  | 830.9  | 838.6  | 844.8  | 844.8  | 844.8  | 840.2  | 835.5  | 823.2  | 817.1  |
| 47.5° | 786.3  | 790.9  | 803.2  | 810.9  | 817.1  | 818.6  | 818.6  | 814.0  | 804.8  | 794.0  | 786.3  |
| 50°   | 750.9  | 758.6  | 772.5  | 783.2  | 790.9  | 794.0  | 789.4  | 786.3  | 775.5  | 763.2  | 754.0  |
| 52.5° | 717.1  | 726.3  | 743.2  | 752.4  | 763.2  | 764.8  | 763.2  | 758.6  | 746.3  | 729.4  | 721.7  |
| 55°   | 683.2  | 690.9  | 709.4  | 724.8  | 734.0  | 737.1  | 734.0  | 726.3  | 710.9  | 694.0  | 686.3  |
| 57.5° | 646.3  | 657.0  | 677.0  | 692.4  | 703.2  | 704.7  | 701.7  | 694.0  | 681.7  | 660.1  | 649.4  |
| 60°   | 607.8  | 621.7  | 641.7  | 657.0  | 670.9  | 672.4  | 669.4  | 658.6  | 643.2  | 621.7  | 612.4  |
| 62.5° | 569.3  | 580.1  | 603.2  | 620.1  | 630.9  | 638.6  | 632.4  | 621.7  | 606.3  | 584.7  | 570.9  |
| 65°   | 524.7  | 540.1  | 560.1  | 575.5  | 587.8  | 589.3  | 586.3  | 577.0  | 560.1  | 537.0  | 526.3  |
| 67.5° | 481.6  | 492.4  | 512.4  | 532.4  | 537.0  | 541.6  | 537.0  | 527.8  | 513.9  | 493.9  | 478.6  |
| 70°   | 429.3  | 438.5  | 463.2  | 477.0  | 483.2  | 487.8  | 484.7  | 475.5  | 463.2  | 444.7  | 432.4  |
| 72.5° | 377.0  | 384.7  | 407.8  | 418.5  | 430.8  | 429.3  | 427.8  | 421.6  | 404.7  | 392.4  | 384.7  |
| 75°   | 321.6  | 330.8  | 346.2  | 360.1  | 364.7  | 364.7  | 364.7  | 360.1  | 349.3  | 329.3  | 321.6  |
| 77.5° | 270.8  | 275.4  | 287.7  | 295.4  | 300.1  | 301.6  | 300.1  | 292.4  | 286.2  | 272.4  | 267.7  |
| 80°   | 207.7  | 220.0  | 229.3  | 230.8  | 237.0  | 237.0  | 237.0  | 233.9  | 227.7  | 213.9  | 212.3  |
| 82.5° | 157.0  | 160.0  | 169.3  | 173.9  | 177.0  | 175.4  | 175.4  | 169.3  | 167.7  | 160.0  | 157.0  |
| 85°   | 106.2  | 110.8  | 109.3  | 115.4  | 116.9  | 113.9  | 113.9  | 116.9  | 109.3  | 110.8  | 106.2  |
| 87.5° | 58.5   | 58.5   | 61.5   | 60.0   | 66.2   | 66.2   | 63.1   | 64.6   | 61.5   | 60.0   | 58.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P1000316

CATALOG NUMBER: SA4XXDP-B1195DB50-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|       | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 | 1857.3 |
| 2.5°  | 1746.5 | 1755.7 | 1746.5 | 1752.6 | 1755.7 | 1763.4 | 1766.5 | 1780.3 | 1784.9 | 1795.7 | 1795.7 |
| 5°    | 1641.8 | 1646.5 | 1648.0 | 1654.2 | 1660.3 | 1675.7 | 1686.5 | 1706.5 | 1729.6 | 1732.6 | 1746.5 |
| 7.5°  | 1557.2 | 1564.9 | 1577.2 | 1572.6 | 1583.4 | 1606.5 | 1620.3 | 1644.9 | 1668.0 | 1680.3 | 1697.2 |
| 10°   | 1481.8 | 1491.0 | 1495.7 | 1500.3 | 1520.3 | 1540.3 | 1561.8 | 1578.8 | 1609.5 | 1628.0 | 1641.8 |
| 12.5° | 1420.3 | 1412.6 | 1421.8 | 1438.7 | 1461.8 | 1474.1 | 1503.4 | 1529.5 | 1552.6 | 1572.6 | 1584.9 |
| 15°   | 1340.2 | 1346.4 | 1355.6 | 1384.9 | 1391.0 | 1421.8 | 1432.6 | 1461.8 | 1504.9 | 1523.4 | 1538.7 |
| 17.5° | 1263.3 | 1283.3 | 1301.8 | 1312.6 | 1331.0 | 1355.6 | 1386.4 | 1418.7 | 1446.4 | 1468.0 | 1486.4 |
| 20°   | 1201.8 | 1221.8 | 1232.5 | 1240.2 | 1258.7 | 1292.5 | 1321.8 | 1361.8 | 1397.2 | 1414.1 | 1438.7 |
| 22.5° | 1152.5 | 1152.5 | 1167.9 | 1191.0 | 1201.8 | 1234.1 | 1258.7 | 1301.8 | 1340.2 | 1361.8 | 1384.9 |
| 25°   | 1091.0 | 1100.2 | 1112.5 | 1132.5 | 1147.9 | 1174.1 | 1209.5 | 1246.4 | 1287.9 | 1306.4 | 1335.6 |
| 27.5° | 1040.2 | 1051.0 | 1067.9 | 1072.5 | 1087.9 | 1111.0 | 1147.9 | 1187.9 | 1231.0 | 1251.0 | 1275.6 |
| 30°   | 1001.7 | 1007.9 | 1014.0 | 1023.3 | 1037.1 | 1057.1 | 1087.9 | 1123.3 | 1175.6 | 1191.0 | 1221.8 |
| 32.5° | 967.9  | 971.0  | 974.0  | 981.7  | 989.4  | 1009.4 | 1034.0 | 1072.5 | 1115.6 | 1138.7 | 1166.4 |
| 35°   | 937.1  | 934.0  | 935.6  | 940.2  | 947.9  | 955.6  | 981.7  | 1014.0 | 1054.0 | 1081.7 | 1103.3 |
| 37.5° | 907.9  | 901.7  | 900.2  | 900.2  | 903.2  | 912.5  | 932.5  | 960.2  | 1003.3 | 1026.3 | 1047.9 |
| 40°   | 875.5  | 869.4  | 866.3  | 864.8  | 863.2  | 869.4  | 884.8  | 912.5  | 946.3  | 967.9  | 992.5  |
| 42.5° | 844.8  | 838.6  | 830.9  | 829.4  | 826.3  | 829.4  | 840.2  | 866.3  | 895.6  | 917.1  | 937.1  |
| 45°   | 814.0  | 803.2  | 794.0  | 787.8  | 789.4  | 784.8  | 792.5  | 812.5  | 846.3  | 860.2  | 880.2  |
| 47.5° | 780.1  | 767.8  | 755.5  | 749.4  | 743.2  | 746.3  | 749.4  | 766.3  | 795.5  | 809.4  | 829.4  |
| 50°   | 747.8  | 730.9  | 717.1  | 709.4  | 704.7  | 701.7  | 704.7  | 721.7  | 743.2  | 755.5  | 772.5  |
| 52.5° | 710.9  | 694.0  | 680.1  | 667.8  | 661.7  | 657.0  | 658.6  | 674.0  | 694.0  | 706.3  | 723.2  |
| 55°   | 677.0  | 655.5  | 637.0  | 621.7  | 617.0  | 615.5  | 614.0  | 624.7  | 641.7  | 654.0  | 667.8  |
| 57.5° | 638.6  | 617.0  | 597.0  | 578.6  | 569.3  | 567.8  | 567.8  | 570.9  | 592.4  | 601.7  | 609.3  |
| 60°   | 600.1  | 577.0  | 555.5  | 538.6  | 524.7  | 520.1  | 518.6  | 524.7  | 535.5  | 544.7  | 555.5  |
| 62.5° | 557.0  | 533.9  | 507.8  | 492.4  | 478.6  | 466.2  | 470.9  | 472.4  | 487.8  | 492.4  | 501.6  |
| 65°   | 515.5  | 489.3  | 467.8  | 443.2  | 427.8  | 420.1  | 417.0  | 420.1  | 432.4  | 433.9  | 440.1  |
| 67.5° | 467.8  | 443.2  | 417.0  | 400.1  | 386.2  | 372.4  | 369.3  | 369.3  | 375.5  | 380.1  | 387.8  |
| 70°   | 421.6  | 397.0  | 367.8  | 349.3  | 335.4  | 323.1  | 318.5  | 317.0  | 321.6  | 324.7  | 332.4  |
| 72.5° | 367.8  | 343.1  | 321.6  | 301.6  | 284.7  | 275.4  | 270.8  | 267.7  | 272.4  | 275.4  | 277.0  |
| 75°   | 310.8  | 290.8  | 269.3  | 249.3  | 238.5  | 229.3  | 223.1  | 218.5  | 221.6  | 221.6  | 221.6  |
| 77.5° | 257.0  | 237.0  | 220.0  | 206.2  | 192.3  | 181.6  | 177.0  | 172.3  | 173.9  | 173.9  | 177.0  |
| 80°   | 200.0  | 186.2  | 172.3  | 160.0  | 147.7  | 138.5  | 135.4  | 130.8  | 127.7  | 126.2  | 126.2  |
| 82.5° | 147.7  | 136.9  | 124.6  | 113.9  | 107.7  | 98.5   | 95.4   | 89.2   | 89.2   | 87.7   | 87.7   |
| 85°   | 98.5   | 92.3   | 80.0   | 72.3   | 67.7   | 63.1   | 60.0   | 56.9   | 52.3   | 52.3   | 50.8   |
| 87.5° | 52.3   | 49.2   | 46.2   | 36.9   | 36.9   | 32.3   | 30.8   | 29.2   | 24.6   | 26.2   | 26.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P1000316

CATALOG NUMBER: SA4XXDP-B1195DB50-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|       | 345°   | 350°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|
| 0°    | 1857.3 | 1857.3 | 1857.3 | 1857.3 |
| 2.5°  | 1806.5 | 1821.9 | 1835.7 | 1857.3 |
| 5°    | 1766.5 | 1788.0 | 1817.3 | 1849.6 |
| 7.5°  | 1720.3 | 1754.2 | 1792.6 | 1837.3 |
| 10°   | 1677.2 | 1715.7 | 1764.9 | 1818.8 |
| 12.5° | 1632.6 | 1678.8 | 1732.6 | 1791.1 |
| 15°   | 1581.8 | 1628.0 | 1688.0 | 1766.5 |
| 17.5° | 1535.7 | 1591.1 | 1655.7 | 1738.8 |
| 20°   | 1481.8 | 1534.1 | 1604.9 | 1700.3 |
| 22.5° | 1434.1 | 1494.1 | 1572.6 | 1655.7 |
| 25°   | 1381.8 | 1434.1 | 1512.6 | 1612.6 |
| 27.5° | 1329.5 | 1394.1 | 1469.5 | 1566.4 |
| 30°   | 1278.7 | 1332.6 | 1414.1 | 1515.7 |
| 32.5° | 1223.3 | 1287.9 | 1363.3 | 1458.7 |
| 35°   | 1163.3 | 1224.8 | 1295.6 | 1398.7 |
| 37.5° | 1109.4 | 1169.4 | 1241.8 | 1332.6 |
| 40°   | 1049.4 | 1112.5 | 1178.7 | 1269.5 |
| 42.5° | 991.0  | 1047.9 | 1114.1 | 1197.1 |
| 45°   | 934.0  | 983.3  | 1043.3 | 1115.6 |
| 47.5° | 875.5  | 917.1  | 972.5  | 1037.1 |
| 50°   | 812.5  | 857.1  | 898.6  | 952.5  |
| 52.5° | 754.0  | 792.5  | 826.3  | 870.9  |
| 55°   | 697.1  | 723.2  | 750.9  | 784.8  |
| 57.5° | 637.0  | 657.0  | 677.0  | 712.4  |
| 60°   | 577.0  | 595.5  | 606.3  | 629.3  |
| 62.5° | 518.6  | 526.3  | 540.1  | 553.9  |
| 65°   | 453.9  | 464.7  | 472.4  | 489.3  |
| 67.5° | 395.5  | 400.1  | 407.8  | 418.5  |
| 70°   | 333.9  | 344.7  | 347.8  | 355.5  |
| 72.5° | 281.6  | 286.2  | 289.3  | 290.8  |
| 75°   | 223.1  | 227.7  | 230.8  | 240.0  |
| 77.5° | 175.4  | 173.9  | 180.0  | 181.6  |
| 80°   | 129.3  | 124.6  | 126.2  | 132.3  |
| 82.5° | 84.6   | 86.2   | 84.6   | 84.6   |
| 85°   | 52.3   | 50.8   | 47.7   | 49.2   |
| 87.5° | 23.1   | 23.1   | 21.5   | 21.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)