

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P934613

Luminaire Tested: SQ4-FA-075U-050D-835-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

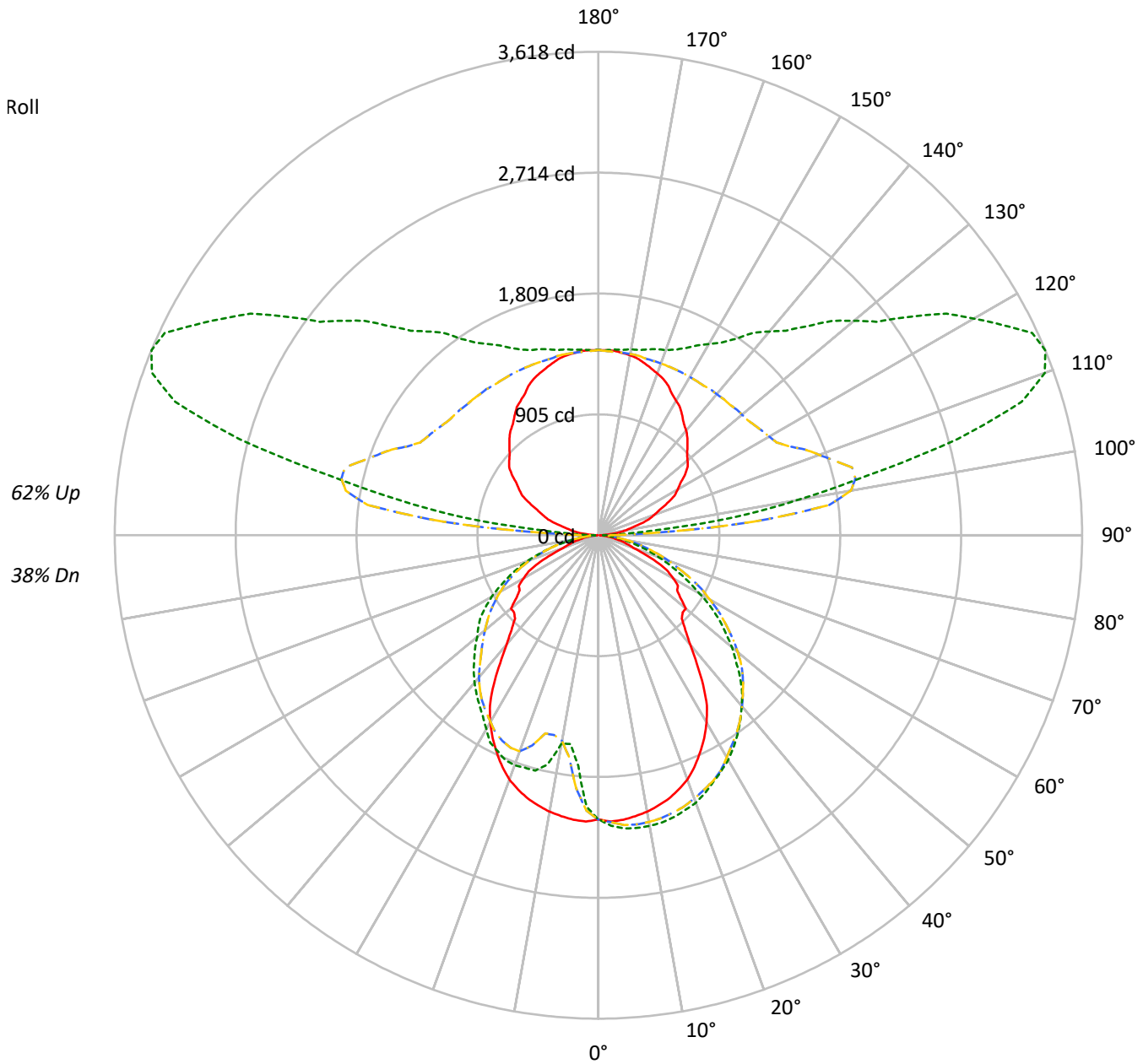
Test Method: LM-79-2019  
Report Number: P934613  
REPORT IS A COMBINATION OF REPORTS P933705 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-050D-835-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14502.0 lumens  
Efficiency: N/A  
Efficacy: 140.5 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 103.2  
Input Voltage (V): NR  
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

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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°    - - - 135°-315°



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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 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 | 50 | 30 | 10 | 0  |    |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 104 | 104 | 104 | 104 | 95 | 95 | 95 | 95 | 77 | 77 | 77 | 60 | 60 | 60 | 45 | 45 | 45 | 38 |    |    |    | 38 |
| 1   | 95  | 91  | 87  | 84  | 86 | 83 | 79 | 77 | 67 | 65 | 63 | 53 | 52 | 50 | 40 | 39 | 38 | 32 |    |    |    | 32 |
| 2   | 87  | 79  | 73  | 68  | 78 | 72 | 67 | 63 | 59 | 55 | 52 | 47 | 44 | 42 | 35 | 34 | 32 | 27 |    |    |    | 27 |
| 3   | 79  | 70  | 63  | 57  | 71 | 64 | 57 | 52 | 52 | 47 | 44 | 41 | 38 | 35 | 31 | 29 | 27 | 23 |    |    |    | 23 |
| 4   | 72  | 62  | 54  | 48  | 65 | 56 | 50 | 44 | 46 | 41 | 37 | 37 | 33 | 30 | 28 | 25 | 24 | 20 |    |    |    | 20 |
| 5   | 66  | 55  | 47  | 41  | 60 | 50 | 43 | 38 | 41 | 36 | 32 | 33 | 29 | 26 | 25 | 22 | 20 | 17 |    |    |    | 17 |
| 6   | 61  | 49  | 41  | 35  | 55 | 45 | 38 | 33 | 37 | 32 | 28 | 30 | 26 | 23 | 23 | 20 | 18 | 15 |    |    |    | 15 |
| 7   | 56  | 44  | 36  | 31  | 51 | 40 | 34 | 29 | 33 | 28 | 24 | 27 | 23 | 20 | 21 | 18 | 16 | 13 |    |    |    | 13 |
| 8   | 52  | 40  | 32  | 27  | 47 | 37 | 30 | 25 | 30 | 25 | 22 | 24 | 21 | 18 | 19 | 16 | 14 | 12 |    |    |    | 12 |
| 9   | 48  | 36  | 29  | 24  | 44 | 33 | 27 | 22 | 28 | 23 | 19 | 22 | 19 | 16 | 17 | 15 | 13 | 11 |    |    |    | 11 |
| 10  | 45  | 33  | 26  | 22  | 41 | 31 | 24 | 20 | 26 | 21 | 17 | 21 | 17 | 14 | 16 | 14 | 12 | 10 |    |    |    | 10 |

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

|     | 0°   | 90°  | 180° | 270° |
|-----|------|------|------|------|
| 0°  | 6578 | 6578 | 6578 | 6578 |
| 5°  | 6629 | 6640 | 6629 | 5221 |
| 10° | 6588 | 6541 | 6588 | 4676 |
| 15° | 6518 | 6399 | 6518 | 5343 |
| 20° | 6385 | 6231 | 6385 | 5355 |
| 25° | 6108 | 5986 | 6108 | 5241 |
| 30° | 5750 | 5783 | 5750 | 4992 |
| 35° | 5128 | 5526 | 5128 | 4718 |
| 40° | 4276 | 5223 | 4276 | 4511 |
| 45° | 3823 | 4869 | 3823 | 4273 |
| 50° | 4065 | 4446 | 4065 | 4035 |
| 55° | 3828 | 3991 | 3828 | 3897 |
| 60° | 3951 | 3390 | 3951 | 3569 |
| 65° | 3588 | 2802 | 3588 | 3132 |
| 70° | 2491 | 2233 | 2491 | 2626 |
| 75° | 2192 | 1651 | 2192 | 1976 |
| 80° | 1779 | 1091 | 1779 | 1188 |
| 85° | 1043 | 578  | 1043 | 491  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5856 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 192.0   | 1.3       |
| 10°-20°   | 545.0   | 3.8       |
| 20°-30°   | 842.5   | 5.8       |
| 30°-40°   | 1005.8  | 6.9       |
| 40°-50°   | 1011.7  | 7.0       |
| 50°-60°   | 880.3   | 6.1       |
| 60°-70°   | 624.2   | 4.3       |
| 70°-80°   | 330.2   | 2.3       |
| 80°-90°   | 87.5    | 0.6       |
| 90°-100°  | 675.4   | 4.7       |
| 100°-110° | 1775.8  | 12.2      |
| 110°-120° | 1841.3  | 12.7      |
| 120°-130° | 1476.9  | 10.2      |
| 130°-140° | 1158.9  | 8.0       |
| 140°-150° | 889.5   | 6.1       |
| 150°-160° | 640.6   | 4.4       |
| 160°-170° | 391.9   | 2.7       |
| 170°-180° | 132.4   | 0.9       |
| 0°-30°    | 1579.6  | 10.9      |
| 0°-40°    | 2585.4  | 17.8      |
| 0°-60°    | 4477.4  | 30.9      |
| 0°-90°    | 5519.3  | 38.1      |
| 90°-120°  | 4292.5  | 29.6      |
| 90°-150°  | 7817.8  | 53.9      |
| 90°-180°  | 8983.0  | 61.9      |
| 0°-180°   | 14502.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 2127 | 2127 | 2127 | 2127 | 2127 |      |
| 5°   | 2137 | 2203 | 2137 | 1732 | 2137 | 203  |
| 15°  | 2040 | 2183 | 2040 | 1823 | 2040 | 574  |
| 25°  | 1797 | 2036 | 1797 | 1783 | 1797 | 825  |
| 35°  | 1366 | 1817 | 1366 | 1551 | 1366 | 845  |
| 45°  | 881  | 1497 | 881  | 1314 | 881  | 706  |
| 55°  | 718  | 1105 | 718  | 1078 | 718  | 660  |
| 65°  | 499  | 666  | 499  | 744  | 499  | 477  |
| 75°  | 189  | 316  | 189  | 378  | 189  | 199  |
| 85°  | 32   | 80   | 32   | 68   | 32   | 43   |
| 90°  | 9    | 35   | 9    | 35   | 9    | 9    |
| 95°  | 89   | 408  | 89   | 408  | 89   | 99   |
| 105° | 320  | 2781 | 320  | 2781 | 320  | 339  |
| 115° | 568  | 3580 | 568  | 3580 | 568  | 561  |
| 125° | 790  | 2851 | 790  | 2851 | 790  | 702  |
| 135° | 942  | 2212 | 942  | 2212 | 942  | 729  |
| 145° | 1093 | 1795 | 1093 | 1795 | 1093 | 685  |
| 155° | 1235 | 1546 | 1235 | 1546 | 1235 | 567  |
| 165° | 1333 | 1440 | 1333 | 1440 | 1333 | 376  |
| 175° | 1386 | 1395 | 1386 | 1395 | 1386 | 132  |
| 180° | 1386 | 1386 | 1386 | 1386 | 1386 |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 |
| 2.5°   | 2144.7 | 2144.7 | 2156.8 | 2160.8 | 2160.8 | 2154.8 | 2148.8 | 2154.8 | 2172.9 | 2178.9 | 2176.9 |
| 5°     | 2136.7 | 2152.8 | 2174.9 | 2178.9 | 2183.0 | 2181.0 | 2176.9 | 2181.0 | 2201.1 | 2205.1 | 2207.1 |
| 7.5°   | 2120.6 | 2150.8 | 2178.9 | 2185.0 | 2191.0 | 2185.0 | 2183.0 | 2187.0 | 2207.1 | 2211.1 | 2211.1 |
| 10°    | 2100.5 | 2142.7 | 2174.9 | 2178.9 | 2185.0 | 2178.9 | 2178.9 | 2187.0 | 2207.1 | 2211.1 | 2213.2 |
| 12.5°  | 2072.3 | 2130.7 | 2160.8 | 2164.9 | 2172.9 | 2170.9 | 2168.9 | 2176.9 | 2197.1 | 2201.1 | 2201.1 |
| 15°    | 2040.1 | 2108.5 | 2136.7 | 2140.7 | 2154.8 | 2150.8 | 2150.8 | 2158.8 | 2181.0 | 2187.0 | 2185.0 |
| 17.5°  | 1995.9 | 2080.4 | 2112.6 | 2118.6 | 2128.7 | 2126.6 | 2128.7 | 2136.7 | 2156.8 | 2160.8 | 2162.9 |
| 20°    | 1945.6 | 2042.1 | 2080.4 | 2086.4 | 2096.5 | 2096.5 | 2096.5 | 2106.5 | 2126.6 | 2134.7 | 2134.7 |
| 22.5°  | 1877.2 | 2001.9 | 2042.1 | 2046.2 | 2058.2 | 2058.2 | 2062.3 | 2076.3 | 2094.4 | 2096.5 | 2096.5 |
| 25°    | 1796.7 | 1957.6 | 1991.8 | 2003.9 | 2016.0 | 2022.0 | 2028.1 | 2036.1 | 2042.1 | 2040.1 | 2042.1 |
| 27.5°  | 1712.2 | 1901.3 | 1945.6 | 1953.6 | 1969.7 | 1975.7 | 1983.8 | 1985.8 | 1987.8 | 1993.8 | 1989.8 |
| 30°    | 1617.6 | 1822.8 | 1889.2 | 1897.3 | 1923.4 | 1927.5 | 1919.4 | 1923.4 | 1933.5 | 1937.5 | 1941.5 |
| 32.5°  | 1511.0 | 1706.1 | 1830.9 | 1849.0 | 1873.1 | 1861.1 | 1859.0 | 1865.1 | 1881.2 | 1881.2 | 1885.2 |
| 35°    | 1366.1 | 1615.6 | 1776.6 | 1792.7 | 1810.8 | 1796.7 | 1804.7 | 1806.7 | 1816.8 | 1822.8 | 1820.8 |
| 37.5°  | 1207.2 | 1537.1 | 1720.2 | 1732.3 | 1746.4 | 1728.3 | 1740.3 | 1746.4 | 1754.4 | 1750.4 | 1750.4 |
| 40°    | 1066.3 | 1414.4 | 1653.8 | 1661.9 | 1673.9 | 1659.9 | 1671.9 | 1676.0 | 1680.0 | 1676.0 | 1673.9 |
| 42.5°  | 961.7  | 1279.6 | 1583.4 | 1593.5 | 1585.4 | 1595.5 | 1599.5 | 1607.6 | 1601.5 | 1593.5 | 1593.5 |
| 45°    | 881.2  | 1243.4 | 1507.0 | 1519.0 | 1507.0 | 1523.1 | 1529.1 | 1529.1 | 1511.0 | 1507.0 | 1504.9 |
| 47.5°  | 855.1  | 1171.0 | 1430.5 | 1430.5 | 1424.5 | 1444.6 | 1454.6 | 1440.6 | 1422.5 | 1416.4 | 1416.4 |
| 50°    | 853.1  | 1090.5 | 1325.9 | 1317.8 | 1346.0 | 1370.1 | 1360.1 | 1346.0 | 1331.9 | 1309.8 | 1309.8 |
| 52.5°  | 774.6  | 991.9  | 1191.1 | 1221.3 | 1265.5 | 1279.6 | 1263.5 | 1249.4 | 1225.3 | 1215.2 | 1207.2 |
| 55°    | 718.3  | 889.3  | 1068.3 | 1128.7 | 1175.0 | 1193.1 | 1162.9 | 1148.8 | 1112.6 | 1106.6 | 1102.6 |
| 57.5°  | 706.2  | 740.4  | 955.7  | 1032.1 | 1088.5 | 1086.5 | 1068.3 | 1042.2 | 1012.0 | 1006.0 | 1004.0 |
| 60°    | 647.9  | 535.2  | 835.0  | 925.5  | 983.8  | 977.8  | 961.7  | 937.6  | 909.4  | 905.4  | 901.4  |
| 62.5°  | 587.5  | 388.3  | 698.1  | 800.8  | 883.2  | 881.2  | 867.2  | 830.9  | 810.8  | 800.8  | 792.7  |
| 65°    | 499.0  | 325.9  | 497.0  | 666.0  | 784.7  | 788.7  | 758.5  | 732.4  | 710.2  | 698.1  | 696.1  |
| 67.5°  | 380.3  | 265.6  | 336.0  | 555.3  | 690.1  | 686.1  | 647.9  | 635.8  | 607.6  | 601.6  | 589.5  |
| 70°    | 281.7  | 177.1  | 233.4  | 450.7  | 597.6  | 587.5  | 557.3  | 543.2  | 517.1  | 503.0  | 494.9  |
| 72.5°  | 233.4  | 142.8  | 171.0  | 350.1  | 503.0  | 490.9  | 464.8  | 448.7  | 426.5  | 414.5  | 406.4  |
| 75°    | 189.1  | 150.9  | 130.8  | 259.5  | 408.4  | 400.4  | 376.2  | 360.1  | 342.0  | 325.9  | 327.9  |
| 77.5°  | 138.8  | 140.8  | 104.6  | 191.1  | 323.9  | 311.9  | 297.8  | 277.7  | 269.6  | 253.5  | 253.5  |
| 80°    | 104.6  | 110.7  | 78.5   | 130.8  | 233.4  | 233.4  | 221.3  | 207.2  | 193.1  | 185.1  | 185.1  |
| 82.5°  | 70.4   | 70.4   | 58.3   | 82.5   | 158.9  | 152.9  | 144.9  | 140.8  | 132.8  | 128.8  | 128.8  |
| 85°    | 32.2   | 40.2   | 36.2   | 50.3   | 86.5   | 90.5   | 90.5   | 86.5   | 84.5   | 80.5   | 82.5   |
| 87.5°  | 10.1   | 18.1   | 22.1   | 28.2   | 44.3   | 46.3   | 48.3   | 48.3   | 48.3   | 50.3   | 50.3   |
| 90°    | 9.3    | 16.7   | 24.1   | 26.0   | 40.9   | 60.8   | 70.7   | 62.8   | 47.1   | 35.3   | 35.3   |
| 92.5°  | 37.2   | 100.4  | 163.7  | 179.5  | 252.3  | 349.4  | 398.0  | 348.8  | 250.5  | 176.7  | 169.7  |
| 95°    | 89.3   | 205.0  | 320.8  | 349.7  | 620.9  | 982.6  | 1163.4 | 1038.2 | 787.7  | 599.8  | 578.5  |
| 97.5°  | 154.4  | 256.5  | 358.6  | 384.1  | 836.4  | 1439.4 | 1740.9 | 1661.7 | 1503.4 | 1384.7 | 1344.2 |
| 100°   | 204.6  | 297.2  | 389.8  | 412.9  | 914.8  | 1583.9 | 1918.5 | 1924.3 | 1935.9 | 1944.6 | 1896.3 |
| 102.5° | 247.4  | 333.8  | 420.1  | 441.7  | 950.7  | 1629.4 | 1968.8 | 2069.6 | 2271.3 | 2422.6 | 2381.3 |
| 105°   | 319.9  | 393.1  | 466.2  | 484.5  | 977.4  | 1634.6 | 1963.2 | 2189.3 | 2641.5 | 2980.6 | 2958.4 |
| 107.5° | 394.3  | 462.5  | 530.7  | 547.8  | 982.4  | 1561.9 | 1851.6 | 2167.0 | 2797.7 | 3270.7 | 3276.1 |
| 110°   | 444.5  | 506.1  | 567.7  | 583.1  | 974.9  | 1497.4 | 1758.6 | 2111.2 | 2816.3 | 3345.1 | 3368.2 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 493.8  | 552.5  | 611.2  | 625.9  | 975.3  | 1441.1 | 1674.0 | 2034.8 | 2756.5 | 3297.7 | 3333.2 |
| 115°   | 568.2  | 622.3  | 676.5  | 690.0  | 984.2  | 1376.5 | 1572.6 | 1920.2 | 2615.4 | 3136.8 | 3186.1 |
| 117.5° | 641.7  | 690.9  | 740.0  | 752.3  | 1002.5 | 1336.0 | 1502.8 | 1816.5 | 2443.9 | 2914.5 | 2969.2 |
| 120°   | 684.5  | 730.8  | 777.0  | 788.6  | 1017.4 | 1322.4 | 1474.9 | 1761.5 | 2334.8 | 2764.8 | 2817.9 |
| 122.5° | 726.3  | 773.0  | 819.7  | 831.4  | 1038.8 | 1315.3 | 1453.5 | 1711.6 | 2227.9 | 2615.1 | 2667.5 |
| 125°   | 790.5  | 833.1  | 875.7  | 886.3  | 1067.6 | 1309.4 | 1430.3 | 1649.6 | 2088.1 | 2417.0 | 2465.3 |
| 127.5° | 842.6  | 885.6  | 928.6  | 939.3  | 1096.5 | 1306.0 | 1410.8 | 1599.1 | 1975.6 | 2258.0 | 2298.7 |
| 130°   | 870.5  | 916.8  | 963.0  | 974.6  | 1117.5 | 1308.0 | 1403.3 | 1570.9 | 1906.1 | 2157.5 | 2195.1 |
| 132.5° | 899.3  | 945.6  | 991.8  | 1003.4 | 1134.5 | 1309.4 | 1396.8 | 1546.8 | 1846.9 | 2072.0 | 2105.7 |
| 135°   | 942.1  | 984.2  | 1026.4 | 1036.9 | 1153.2 | 1308.2 | 1385.7 | 1511.3 | 1762.6 | 1951.1 | 1980.1 |
| 137.5° | 985.8  | 1027.5 | 1069.3 | 1079.7 | 1181.1 | 1316.2 | 1383.8 | 1490.0 | 1702.5 | 1861.8 | 1885.6 |
| 140°   | 1022.0 | 1060.4 | 1098.9 | 1108.5 | 1198.1 | 1317.6 | 1377.3 | 1469.1 | 1652.6 | 1790.2 | 1812.4 |
| 142.5° | 1049.9 | 1085.5 | 1121.0 | 1129.9 | 1212.4 | 1322.3 | 1377.3 | 1457.9 | 1619.1 | 1740.0 | 1759.1 |
| 145°   | 1092.7 | 1123.7 | 1154.7 | 1162.5 | 1231.0 | 1322.3 | 1368.0 | 1433.9 | 1565.8 | 1664.7 | 1679.2 |
| 147.5° | 1135.5 | 1165.7 | 1195.9 | 1203.4 | 1258.3 | 1331.4 | 1368.0 | 1419.9 | 1523.6 | 1601.4 | 1613.4 |
| 150°   | 1163.4 | 1190.7 | 1218.0 | 1224.8 | 1272.5 | 1336.2 | 1368.0 | 1411.8 | 1499.4 | 1565.1 | 1574.8 |
| 152.5° | 1192.2 | 1212.9 | 1233.5 | 1238.7 | 1281.8 | 1339.3 | 1368.0 | 1405.4 | 1480.2 | 1536.3 | 1543.6 |
| 155°   | 1235.0 | 1250.3 | 1265.6 | 1269.4 | 1302.3 | 1346.1 | 1368.0 | 1397.8 | 1457.3 | 1501.9 | 1506.8 |
| 157.5° | 1266.6 | 1281.5 | 1296.4 | 1300.1 | 1322.7 | 1352.9 | 1368.0 | 1391.1 | 1437.4 | 1472.1 | 1475.5 |
| 160°   | 1288.0 | 1299.6 | 1311.2 | 1314.1 | 1332.1 | 1356.0 | 1368.0 | 1387.8 | 1427.5 | 1457.3 | 1459.3 |
| 162.5° | 1309.4 | 1318.1 | 1326.7 | 1328.9 | 1341.9 | 1359.3 | 1368.0 | 1384.7 | 1418.2 | 1443.3 | 1445.2 |
| 165°   | 1332.7 | 1340.5 | 1348.3 | 1350.3 | 1356.2 | 1364.1 | 1368.0 | 1380.0 | 1403.9 | 1421.9 | 1423.9 |
| 167.5° | 1354.0 | 1357.7 | 1361.5 | 1362.4 | 1367.4 | 1374.0 | 1377.3 | 1385.1 | 1400.8 | 1412.6 | 1413.4 |
| 170°   | 1368.0 | 1371.7 | 1375.5 | 1376.4 | 1376.7 | 1377.1 | 1377.3 | 1385.1 | 1400.8 | 1412.6 | 1412.6 |
| 172.5° | 1375.4 | 1376.2 | 1377.1 | 1377.3 | 1377.3 | 1377.3 | 1377.3 | 1383.5 | 1395.9 | 1405.2 | 1404.5 |
| 175°   | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1382.9 | 1379.2 | 1377.3 | 1381.2 | 1389.1 | 1395.0 | 1395.0 |
| 177.5° | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1383.5 | 1380.6 | 1379.2 | 1382.3 | 1388.5 | 1393.1 | 1392.3 |
| 180°   | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 |



TEST NUMBER: P934613

CATALOG NUMBER: SQ4-FA-075U-050D-835-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 |
| 2.5°   | 2181.0 | 2174.9 | 2181.0 | 2176.9 | 2178.9 | 2172.9 | 2154.8 | 2148.8 | 2154.8 | 2160.8 | 2160.8 |
| 5°     | 2207.1 | 2203.1 | 2207.1 | 2207.1 | 2205.1 | 2201.1 | 2181.0 | 2176.9 | 2181.0 | 2183.0 | 2178.9 |
| 7.5°   | 2215.2 | 2209.1 | 2215.2 | 2211.1 | 2211.1 | 2207.1 | 2187.0 | 2183.0 | 2185.0 | 2191.0 | 2185.0 |
| 10°    | 2215.2 | 2209.1 | 2215.2 | 2213.2 | 2211.1 | 2207.1 | 2187.0 | 2178.9 | 2178.9 | 2185.0 | 2178.9 |
| 12.5°  | 2205.1 | 2201.1 | 2205.1 | 2201.1 | 2201.1 | 2197.1 | 2176.9 | 2168.9 | 2170.9 | 2172.9 | 2164.9 |
| 15°    | 2189.0 | 2183.0 | 2189.0 | 2185.0 | 2187.0 | 2181.0 | 2158.8 | 2150.8 | 2150.8 | 2154.8 | 2140.7 |
| 17.5°  | 2164.9 | 2156.8 | 2164.9 | 2162.9 | 2160.8 | 2156.8 | 2136.7 | 2128.7 | 2126.6 | 2128.7 | 2118.6 |
| 20°    | 2136.7 | 2130.7 | 2136.7 | 2134.7 | 2134.7 | 2126.6 | 2106.5 | 2096.5 | 2096.5 | 2096.5 | 2086.4 |
| 22.5°  | 2092.4 | 2086.4 | 2092.4 | 2096.5 | 2096.5 | 2094.4 | 2076.3 | 2062.3 | 2058.2 | 2058.2 | 2046.2 |
| 25°    | 2042.1 | 2036.1 | 2042.1 | 2042.1 | 2040.1 | 2042.1 | 2036.1 | 2028.1 | 2022.0 | 2016.0 | 2003.9 |
| 27.5°  | 1993.8 | 1989.8 | 1993.8 | 1989.8 | 1993.8 | 1987.8 | 1985.8 | 1983.8 | 1975.7 | 1969.7 | 1953.6 |
| 30°    | 1945.6 | 1941.5 | 1945.6 | 1941.5 | 1937.5 | 1933.5 | 1923.4 | 1919.4 | 1927.5 | 1923.4 | 1897.3 |
| 32.5°  | 1885.2 | 1881.2 | 1885.2 | 1885.2 | 1881.2 | 1881.2 | 1865.1 | 1859.0 | 1861.1 | 1873.1 | 1849.0 |
| 35°    | 1822.8 | 1816.8 | 1822.8 | 1820.8 | 1822.8 | 1816.8 | 1806.7 | 1804.7 | 1796.7 | 1810.8 | 1792.7 |
| 37.5°  | 1750.4 | 1744.4 | 1750.4 | 1750.4 | 1750.4 | 1754.4 | 1746.4 | 1740.3 | 1728.3 | 1746.4 | 1732.3 |
| 40°    | 1676.0 | 1667.9 | 1676.0 | 1673.9 | 1676.0 | 1680.0 | 1676.0 | 1671.9 | 1659.9 | 1673.9 | 1661.9 |
| 42.5°  | 1591.5 | 1589.4 | 1591.5 | 1593.5 | 1593.5 | 1601.5 | 1607.6 | 1599.5 | 1595.5 | 1585.4 | 1593.5 |
| 45°    | 1500.9 | 1496.9 | 1500.9 | 1504.9 | 1507.0 | 1511.0 | 1529.1 | 1529.1 | 1523.1 | 1507.0 | 1519.0 |
| 47.5°  | 1404.3 | 1394.3 | 1404.3 | 1416.4 | 1416.4 | 1422.5 | 1440.6 | 1454.6 | 1444.6 | 1424.5 | 1430.5 |
| 50°    | 1301.7 | 1303.7 | 1301.7 | 1309.8 | 1309.8 | 1331.9 | 1346.0 | 1360.1 | 1370.1 | 1346.0 | 1317.8 |
| 52.5°  | 1201.1 | 1199.1 | 1201.1 | 1207.2 | 1215.2 | 1225.3 | 1249.4 | 1263.5 | 1279.6 | 1265.5 | 1221.3 |
| 55°    | 1100.5 | 1104.6 | 1100.5 | 1102.6 | 1106.6 | 1112.6 | 1148.8 | 1162.9 | 1193.1 | 1175.0 | 1128.7 |
| 57.5°  | 999.9  | 993.9  | 999.9  | 1004.0 | 1006.0 | 1012.0 | 1042.2 | 1068.3 | 1086.5 | 1088.5 | 1032.1 |
| 60°    | 883.2  | 875.2  | 883.2  | 901.4  | 905.4  | 909.4  | 937.6  | 961.7  | 977.8  | 983.8  | 925.5  |
| 62.5°  | 780.6  | 766.6  | 780.6  | 792.7  | 800.8  | 810.8  | 830.9  | 867.2  | 881.2  | 883.2  | 800.8  |
| 65°    | 672.0  | 666.0  | 672.0  | 696.1  | 698.1  | 710.2  | 732.4  | 758.5  | 788.7  | 784.7  | 666.0  |
| 67.5°  | 573.4  | 573.4  | 573.4  | 589.5  | 601.6  | 607.6  | 635.8  | 647.9  | 686.1  | 690.1  | 555.3  |
| 70°    | 482.9  | 480.9  | 482.9  | 494.9  | 503.0  | 517.1  | 543.2  | 557.3  | 587.5  | 597.6  | 450.7  |
| 72.5°  | 396.4  | 394.3  | 396.4  | 406.4  | 414.5  | 426.5  | 448.7  | 464.8  | 490.9  | 503.0  | 350.1  |
| 75°    | 319.9  | 315.9  | 319.9  | 327.9  | 325.9  | 342.0  | 360.1  | 376.2  | 400.4  | 408.4  | 259.5  |
| 77.5°  | 245.5  | 245.5  | 245.5  | 253.5  | 253.5  | 269.6  | 277.7  | 297.8  | 311.9  | 323.9  | 191.1  |
| 80°    | 183.1  | 181.1  | 183.1  | 185.1  | 185.1  | 193.1  | 207.2  | 221.3  | 233.4  | 233.4  | 130.8  |
| 82.5°  | 128.8  | 124.7  | 128.8  | 128.8  | 128.8  | 132.8  | 140.8  | 144.9  | 152.9  | 158.9  | 82.5   |
| 85°    | 80.5   | 80.5   | 80.5   | 82.5   | 80.5   | 84.5   | 86.5   | 90.5   | 90.5   | 86.5   | 50.3   |
| 87.5°  | 52.3   | 50.3   | 52.3   | 50.3   | 50.3   | 48.3   | 48.3   | 48.3   | 46.3   | 44.3   | 28.2   |
| 90°    | 35.3   | 35.3   | 35.3   | 35.3   | 35.3   | 47.1   | 62.8   | 70.7   | 60.8   | 40.9   | 26.0   |
| 92.5°  | 141.6  | 113.5  | 141.6  | 169.7  | 176.7  | 250.5  | 348.8  | 398.0  | 349.4  | 252.3  | 179.5  |
| 95°    | 493.4  | 408.3  | 493.4  | 578.5  | 599.8  | 787.7  | 1038.2 | 1163.4 | 982.6  | 620.9  | 349.7  |
| 97.5°  | 1182.2 | 1020.2 | 1182.2 | 1344.2 | 1384.7 | 1503.4 | 1661.7 | 1740.9 | 1439.4 | 836.4  | 384.1  |
| 100°   | 1703.3 | 1510.3 | 1703.3 | 1896.3 | 1944.6 | 1935.9 | 1924.3 | 1918.5 | 1583.9 | 914.8  | 412.9  |
| 102.5° | 2215.9 | 2050.6 | 2215.9 | 2381.3 | 2422.6 | 2271.3 | 2069.6 | 1968.8 | 1629.4 | 950.7  | 441.7  |
| 105°   | 2869.5 | 2780.6 | 2869.5 | 2958.4 | 2980.6 | 2641.5 | 2189.3 | 1963.2 | 1634.6 | 977.4  | 484.5  |
| 107.5° | 3297.6 | 3319.1 | 3297.6 | 3276.1 | 3270.7 | 2797.7 | 2167.0 | 1851.6 | 1561.9 | 982.4  | 547.8  |
| 110°   | 3460.8 | 3553.4 | 3460.8 | 3368.2 | 3345.1 | 2816.3 | 2111.2 | 1758.6 | 1497.4 | 974.9  | 583.1  |





TEST NUMBER: P934613

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**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 3475.4 | 3617.6 | 3475.4 | 3333.2 | 3297.7 | 2756.5 | 2034.8 | 1674.0 | 1441.1 | 975.3  | 625.9  |
| 115°   | 3383.2 | 3580.4 | 3383.2 | 3186.1 | 3136.8 | 2615.4 | 1920.2 | 1572.6 | 1376.5 | 984.2  | 690.0  |
| 117.5° | 3187.8 | 3406.5 | 3187.8 | 2969.2 | 2914.5 | 2443.9 | 1816.5 | 1502.8 | 1336.0 | 1002.5 | 752.3  |
| 120°   | 3030.4 | 3242.8 | 3030.4 | 2817.9 | 2764.8 | 2334.8 | 1761.5 | 1474.9 | 1322.4 | 1017.4 | 788.6  |
| 122.5° | 2877.0 | 3086.6 | 2877.0 | 2667.5 | 2615.1 | 2227.9 | 1711.6 | 1453.5 | 1315.3 | 1038.8 | 831.4  |
| 125°   | 2658.3 | 2851.3 | 2658.3 | 2465.3 | 2417.0 | 2088.1 | 1649.6 | 1430.3 | 1309.4 | 1067.6 | 886.3  |
| 127.5° | 2461.6 | 2624.4 | 2461.6 | 2298.7 | 2258.0 | 1975.6 | 1599.1 | 1410.8 | 1306.0 | 1096.5 | 939.3  |
| 130°   | 2345.6 | 2496.1 | 2345.6 | 2195.1 | 2157.5 | 1906.1 | 1570.9 | 1403.3 | 1308.0 | 1117.5 | 974.6  |
| 132.5° | 2240.4 | 2375.2 | 2240.4 | 2105.7 | 2072.0 | 1846.9 | 1546.8 | 1396.8 | 1309.4 | 1134.5 | 1003.4 |
| 135°   | 2096.3 | 2212.4 | 2096.3 | 1980.1 | 1951.1 | 1762.6 | 1511.3 | 1385.7 | 1308.2 | 1153.2 | 1036.9 |
| 137.5° | 1980.6 | 2075.7 | 1980.6 | 1885.6 | 1861.8 | 1702.5 | 1490.0 | 1383.8 | 1316.2 | 1181.1 | 1079.7 |
| 140°   | 1901.3 | 1990.1 | 1901.3 | 1812.4 | 1790.2 | 1652.6 | 1469.1 | 1377.3 | 1317.6 | 1198.1 | 1108.5 |
| 142.5° | 1835.6 | 1912.0 | 1835.6 | 1759.1 | 1740.0 | 1619.1 | 1457.9 | 1377.3 | 1322.3 | 1212.4 | 1129.9 |
| 145°   | 1737.0 | 1794.8 | 1737.0 | 1679.2 | 1664.7 | 1565.8 | 1433.9 | 1368.0 | 1322.3 | 1231.0 | 1162.5 |
| 147.5° | 1661.3 | 1709.3 | 1661.3 | 1613.4 | 1601.4 | 1523.6 | 1419.9 | 1368.0 | 1331.4 | 1258.3 | 1203.4 |
| 150°   | 1613.7 | 1652.6 | 1613.7 | 1574.8 | 1565.1 | 1499.4 | 1411.8 | 1368.0 | 1336.2 | 1272.5 | 1224.8 |
| 152.5° | 1573.0 | 1602.3 | 1573.0 | 1543.6 | 1536.3 | 1480.2 | 1405.4 | 1368.0 | 1339.3 | 1281.8 | 1238.7 |
| 155°   | 1526.2 | 1545.6 | 1526.2 | 1506.8 | 1501.9 | 1457.3 | 1397.8 | 1368.0 | 1346.1 | 1302.3 | 1269.4 |
| 157.5° | 1489.2 | 1502.8 | 1489.2 | 1475.5 | 1472.1 | 1437.4 | 1391.1 | 1368.0 | 1352.9 | 1322.7 | 1300.1 |
| 160°   | 1467.1 | 1474.9 | 1467.1 | 1459.3 | 1457.3 | 1427.5 | 1387.8 | 1368.0 | 1356.0 | 1332.1 | 1314.1 |
| 162.5° | 1452.6 | 1460.1 | 1452.6 | 1445.2 | 1443.3 | 1418.2 | 1384.7 | 1368.0 | 1359.3 | 1341.9 | 1328.9 |
| 165°   | 1431.7 | 1439.6 | 1431.7 | 1423.9 | 1421.9 | 1403.9 | 1380.0 | 1368.0 | 1364.1 | 1356.2 | 1350.3 |
| 167.5° | 1416.8 | 1420.1 | 1416.8 | 1413.4 | 1412.6 | 1400.8 | 1385.1 | 1377.3 | 1374.0 | 1367.4 | 1362.4 |
| 170°   | 1412.6 | 1412.6 | 1412.6 | 1412.6 | 1412.6 | 1400.8 | 1385.1 | 1377.3 | 1377.1 | 1376.7 | 1376.4 |
| 172.5° | 1401.6 | 1398.7 | 1401.6 | 1404.5 | 1405.2 | 1395.9 | 1383.5 | 1377.3 | 1377.3 | 1377.3 | 1377.3 |
| 175°   | 1395.0 | 1395.0 | 1395.0 | 1395.0 | 1395.0 | 1389.1 | 1381.2 | 1377.3 | 1379.2 | 1382.9 | 1385.7 |
| 177.5° | 1389.0 | 1385.7 | 1389.0 | 1392.3 | 1393.1 | 1388.5 | 1382.3 | 1379.2 | 1380.6 | 1383.5 | 1385.7 |
| 180°   | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 |



TEST NUMBER: P934613

CATALOG NUMBER: SQ4-FA-075U-050D-835-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 |
| 2.5°   | 2156.8 | 2144.7 | 2144.7 | 2124.6 | 2116.6 | 2110.5 | 2100.5 | 2070.3 | 2062.3 | 2054.2 | 2066.3 |
| 5°     | 2174.9 | 2152.8 | 2136.7 | 2100.5 | 2070.3 | 2058.2 | 2020.0 | 1947.6 | 1899.3 | 1863.1 | 1843.0 |
| 7.5°   | 2178.9 | 2150.8 | 2120.6 | 2064.3 | 1991.8 | 1959.6 | 1843.0 | 1710.2 | 1673.9 | 1641.8 | 1621.6 |
| 10°    | 2174.9 | 2142.7 | 2100.5 | 2016.0 | 1845.0 | 1788.6 | 1671.9 | 1585.4 | 1563.3 | 1557.3 | 1563.3 |
| 12.5°  | 2160.8 | 2130.7 | 2072.3 | 1931.5 | 1692.1 | 1653.8 | 1585.4 | 1535.1 | 1531.1 | 1541.2 | 1595.5 |
| 15°    | 2136.7 | 2108.5 | 2040.1 | 1818.8 | 1607.6 | 1579.4 | 1531.1 | 1513.0 | 1535.1 | 1605.5 | 1768.5 |
| 17.5°  | 2112.6 | 2080.4 | 1995.9 | 1708.2 | 1543.2 | 1523.1 | 1488.8 | 1525.1 | 1649.8 | 1744.4 | 1798.7 |
| 20°    | 2080.4 | 2042.1 | 1945.6 | 1627.7 | 1496.9 | 1478.8 | 1462.7 | 1625.7 | 1720.2 | 1754.4 | 1784.6 |
| 22.5°  | 2042.1 | 2001.9 | 1877.2 | 1571.3 | 1448.6 | 1434.5 | 1444.6 | 1682.0 | 1720.2 | 1744.4 | 1770.5 |
| 25°    | 1991.8 | 1957.6 | 1796.7 | 1527.1 | 1410.4 | 1394.3 | 1432.5 | 1676.0 | 1698.1 | 1704.1 | 1756.4 |
| 27.5°  | 1945.6 | 1901.3 | 1712.2 | 1486.8 | 1364.1 | 1358.1 | 1442.6 | 1649.8 | 1665.9 | 1671.9 | 1728.3 |
| 30°    | 1889.2 | 1822.8 | 1617.6 | 1444.6 | 1315.8 | 1313.8 | 1444.6 | 1617.6 | 1613.6 | 1629.7 | 1686.0 |
| 32.5°  | 1830.9 | 1706.1 | 1511.0 | 1392.3 | 1269.5 | 1267.5 | 1430.5 | 1569.3 | 1565.3 | 1587.4 | 1629.7 |
| 35°    | 1776.6 | 1615.6 | 1366.1 | 1331.9 | 1211.2 | 1213.2 | 1396.3 | 1513.0 | 1515.0 | 1535.1 | 1561.3 |
| 37.5°  | 1720.2 | 1537.1 | 1207.2 | 1265.5 | 1154.9 | 1154.9 | 1350.0 | 1460.7 | 1456.7 | 1462.7 | 1498.9 |
| 40°    | 1653.8 | 1414.4 | 1066.3 | 1179.0 | 1102.6 | 1096.5 | 1293.7 | 1404.3 | 1390.3 | 1388.3 | 1438.5 |
| 42.5°  | 1583.4 | 1279.6 | 961.7  | 1064.3 | 1042.2 | 1034.1 | 1225.3 | 1335.9 | 1309.8 | 1315.8 | 1380.2 |
| 45°    | 1507.0 | 1243.4 | 881.2  | 899.3  | 979.8  | 973.8  | 1150.8 | 1257.5 | 1239.4 | 1255.5 | 1321.9 |
| 47.5°  | 1430.5 | 1171.0 | 855.1  | 746.4  | 913.4  | 911.4  | 1068.3 | 1181.0 | 1171.0 | 1187.1 | 1257.5 |
| 50°    | 1325.9 | 1090.5 | 853.1  | 639.8  | 839.0  | 847.0  | 969.8  | 1106.6 | 1106.6 | 1120.7 | 1195.1 |
| 52.5°  | 1191.1 | 991.9  | 774.6  | 579.4  | 752.5  | 776.6  | 883.2  | 1042.2 | 1046.2 | 1060.3 | 1126.7 |
| 55°    | 1068.3 | 889.3  | 718.3  | 533.2  | 649.9  | 702.2  | 798.7  | 975.8  | 983.8  | 997.9  | 1058.3 |
| 57.5°  | 955.7  | 740.4  | 706.2  | 478.8  | 555.3  | 605.6  | 724.3  | 911.4  | 915.4  | 927.5  | 985.9  |
| 60°    | 835.0  | 535.2  | 647.9  | 420.5  | 472.8  | 511.0  | 655.9  | 835.0  | 849.0  | 857.1  | 907.4  |
| 62.5°  | 698.1  | 388.3  | 587.5  | 380.3  | 432.6  | 440.6  | 599.6  | 762.5  | 780.6  | 786.7  | 816.9  |
| 65°    | 497.0  | 325.9  | 499.0  | 346.1  | 390.3  | 392.3  | 539.2  | 688.1  | 704.2  | 714.2  | 736.4  |
| 67.5°  | 336.0  | 265.6  | 380.3  | 313.9  | 358.1  | 360.1  | 480.9  | 601.6  | 623.7  | 631.8  | 645.8  |
| 70°    | 233.4  | 177.1  | 281.7  | 279.7  | 321.9  | 325.9  | 418.5  | 523.1  | 543.2  | 549.3  | 557.3  |
| 72.5°  | 171.0  | 142.8  | 233.4  | 251.5  | 283.7  | 287.7  | 354.1  | 434.6  | 454.7  | 460.7  | 464.8  |
| 75°    | 130.8  | 150.9  | 189.1  | 219.3  | 241.4  | 243.4  | 289.7  | 354.1  | 368.2  | 372.2  | 374.2  |
| 77.5°  | 104.6  | 140.8  | 138.8  | 177.1  | 197.2  | 193.1  | 227.4  | 273.6  | 285.7  | 285.7  | 285.7  |
| 80°    | 78.5   | 110.7  | 104.6  | 126.8  | 144.9  | 140.8  | 163.0  | 195.2  | 199.2  | 203.2  | 201.2  |
| 82.5°  | 58.3   | 70.4   | 70.4   | 80.5   | 96.6   | 92.6   | 108.6  | 126.8  | 126.8  | 126.8  | 130.8  |
| 85°    | 36.2   | 40.2   | 32.2   | 42.3   | 54.3   | 52.3   | 60.4   | 68.4   | 70.4   | 70.4   | 66.4   |
| 87.5°  | 22.1   | 18.1   | 10.1   | 16.1   | 24.1   | 24.1   | 28.2   | 30.2   | 28.2   | 28.2   | 28.2   |
| 90°    | 24.1   | 16.7   | 9.3    | 16.7   | 24.1   | 26.0   | 40.9   | 60.8   | 70.7   | 62.8   | 47.1   |
| 92.5°  | 163.7  | 100.4  | 37.2   | 100.4  | 163.7  | 179.5  | 252.3  | 349.4  | 398.0  | 348.8  | 250.5  |
| 95°    | 320.8  | 205.0  | 89.3   | 205.0  | 320.8  | 349.7  | 620.9  | 982.6  | 1163.4 | 1038.2 | 787.7  |
| 97.5°  | 358.6  | 256.5  | 154.4  | 256.5  | 358.6  | 384.1  | 836.4  | 1439.4 | 1740.9 | 1661.7 | 1503.4 |
| 100°   | 389.8  | 297.2  | 204.6  | 297.2  | 389.8  | 412.9  | 914.8  | 1583.9 | 1918.5 | 1924.3 | 1935.9 |
| 102.5° | 420.1  | 333.8  | 247.4  | 333.8  | 420.1  | 441.7  | 950.7  | 1629.4 | 1968.8 | 2069.6 | 2271.3 |
| 105°   | 466.2  | 393.1  | 319.9  | 393.1  | 466.2  | 484.5  | 977.4  | 1634.6 | 1963.2 | 2189.3 | 2641.5 |
| 107.5° | 530.7  | 462.5  | 394.3  | 462.5  | 530.7  | 547.8  | 982.4  | 1561.9 | 1851.6 | 2167.0 | 2797.7 |
| 110°   | 567.7  | 506.1  | 444.5  | 506.1  | 567.7  | 583.1  | 974.9  | 1497.4 | 1758.6 | 2111.2 | 2816.3 |



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**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 611.2  | 552.5  | 493.8  | 552.5  | 611.2  | 625.9  | 975.3  | 1441.1 | 1674.0 | 2034.8 | 2756.5 |
| 115°   | 676.5  | 622.3  | 568.2  | 622.3  | 676.5  | 690.0  | 984.2  | 1376.5 | 1572.6 | 1920.2 | 2615.4 |
| 117.5° | 740.0  | 690.9  | 641.7  | 690.9  | 740.0  | 752.3  | 1002.5 | 1336.0 | 1502.8 | 1816.5 | 2443.9 |
| 120°   | 777.0  | 730.8  | 684.5  | 730.8  | 777.0  | 788.6  | 1017.4 | 1322.4 | 1474.9 | 1761.5 | 2334.8 |
| 122.5° | 819.7  | 773.0  | 726.3  | 773.0  | 819.7  | 831.4  | 1038.8 | 1315.3 | 1453.5 | 1711.6 | 2227.9 |
| 125°   | 875.7  | 833.1  | 790.5  | 833.1  | 875.7  | 886.3  | 1067.6 | 1309.4 | 1430.3 | 1649.6 | 2088.1 |
| 127.5° | 928.6  | 885.6  | 842.6  | 885.6  | 928.6  | 939.3  | 1096.5 | 1306.0 | 1410.8 | 1599.1 | 1975.6 |
| 130°   | 963.0  | 916.8  | 870.5  | 916.8  | 963.0  | 974.6  | 1117.5 | 1308.0 | 1403.3 | 1570.9 | 1906.1 |
| 132.5° | 991.8  | 945.6  | 899.3  | 945.6  | 991.8  | 1003.4 | 1134.5 | 1309.4 | 1396.8 | 1546.8 | 1846.9 |
| 135°   | 1026.4 | 984.2  | 942.1  | 984.2  | 1026.4 | 1036.9 | 1153.2 | 1308.2 | 1385.7 | 1511.3 | 1762.6 |
| 137.5° | 1069.3 | 1027.5 | 985.8  | 1027.5 | 1069.3 | 1079.7 | 1181.1 | 1316.2 | 1383.8 | 1490.0 | 1702.5 |
| 140°   | 1098.9 | 1060.4 | 1022.0 | 1060.4 | 1098.9 | 1108.5 | 1198.1 | 1317.6 | 1377.3 | 1469.1 | 1652.6 |
| 142.5° | 1121.0 | 1085.5 | 1049.9 | 1085.5 | 1121.0 | 1129.9 | 1212.4 | 1322.3 | 1377.3 | 1457.9 | 1619.1 |
| 145°   | 1154.7 | 1123.7 | 1092.7 | 1123.7 | 1154.7 | 1162.5 | 1231.0 | 1322.3 | 1368.0 | 1433.9 | 1565.8 |
| 147.5° | 1195.9 | 1165.7 | 1135.5 | 1165.7 | 1195.9 | 1203.4 | 1258.3 | 1331.4 | 1368.0 | 1419.9 | 1523.6 |
| 150°   | 1218.0 | 1190.7 | 1163.4 | 1190.7 | 1218.0 | 1224.8 | 1272.5 | 1336.2 | 1368.0 | 1411.8 | 1499.4 |
| 152.5° | 1233.5 | 1212.9 | 1192.2 | 1212.9 | 1233.5 | 1238.7 | 1281.8 | 1339.3 | 1368.0 | 1405.4 | 1480.2 |
| 155°   | 1265.6 | 1250.3 | 1235.0 | 1250.3 | 1265.6 | 1269.4 | 1302.3 | 1346.1 | 1368.0 | 1397.8 | 1457.3 |
| 157.5° | 1296.4 | 1281.5 | 1266.6 | 1281.5 | 1296.4 | 1300.1 | 1322.7 | 1352.9 | 1368.0 | 1391.1 | 1437.4 |
| 160°   | 1311.2 | 1299.6 | 1288.0 | 1299.6 | 1311.2 | 1314.1 | 1332.1 | 1356.0 | 1368.0 | 1387.8 | 1427.5 |
| 162.5° | 1326.7 | 1318.1 | 1309.4 | 1318.1 | 1326.7 | 1328.9 | 1341.9 | 1359.3 | 1368.0 | 1384.7 | 1418.2 |
| 165°   | 1348.3 | 1340.5 | 1332.7 | 1340.5 | 1348.3 | 1350.3 | 1356.2 | 1364.1 | 1368.0 | 1380.0 | 1403.9 |
| 167.5° | 1361.5 | 1357.7 | 1354.0 | 1357.7 | 1361.5 | 1362.4 | 1367.4 | 1374.0 | 1377.3 | 1385.1 | 1400.8 |
| 170°   | 1375.5 | 1371.7 | 1368.0 | 1371.7 | 1375.5 | 1376.4 | 1376.7 | 1377.1 | 1377.3 | 1385.1 | 1400.8 |
| 172.5° | 1377.1 | 1376.2 | 1375.4 | 1376.2 | 1377.1 | 1377.3 | 1377.3 | 1377.3 | 1377.3 | 1383.5 | 1395.9 |
| 175°   | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1382.9 | 1379.2 | 1377.3 | 1381.2 | 1389.1 |
| 177.5° | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1383.5 | 1380.6 | 1379.2 | 1382.3 | 1388.5 |
| 180°   | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 |



TEST NUMBER: P934613

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**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 |
| 2.5°   | 2052.2 | 2046.2 | 2054.2 | 2032.1 | 2054.2 | 2046.2 | 2052.2 | 2066.3 | 2054.2 | 2062.3 | 2070.3 |
| 5°     | 1800.7 | 1790.6 | 1758.5 | 1732.3 | 1758.5 | 1790.6 | 1800.7 | 1843.0 | 1863.1 | 1899.3 | 1947.6 |
| 7.5°   | 1609.6 | 1601.5 | 1593.5 | 1577.4 | 1593.5 | 1601.5 | 1609.6 | 1621.6 | 1641.8 | 1673.9 | 1710.2 |
| 10°    | 1567.3 | 1569.3 | 1581.4 | 1579.4 | 1581.4 | 1569.3 | 1567.3 | 1563.3 | 1557.3 | 1563.3 | 1585.4 |
| 12.5°  | 1676.0 | 1694.1 | 1760.5 | 1756.4 | 1760.5 | 1694.1 | 1676.0 | 1595.5 | 1541.2 | 1531.1 | 1535.1 |
| 15°    | 1800.7 | 1806.7 | 1820.8 | 1822.8 | 1820.8 | 1806.7 | 1800.7 | 1768.5 | 1605.5 | 1535.1 | 1513.0 |
| 17.5°  | 1812.8 | 1814.8 | 1824.8 | 1824.8 | 1824.8 | 1814.8 | 1812.8 | 1798.7 | 1744.4 | 1649.8 | 1525.1 |
| 20°    | 1802.7 | 1806.7 | 1826.9 | 1830.9 | 1826.9 | 1806.7 | 1802.7 | 1784.6 | 1754.4 | 1720.2 | 1625.7 |
| 22.5°  | 1798.7 | 1806.7 | 1822.8 | 1820.8 | 1822.8 | 1806.7 | 1798.7 | 1770.5 | 1744.4 | 1720.2 | 1682.0 |
| 25°    | 1778.6 | 1778.6 | 1780.6 | 1782.6 | 1780.6 | 1778.6 | 1778.6 | 1756.4 | 1704.1 | 1698.1 | 1676.0 |
| 27.5°  | 1736.3 | 1740.3 | 1752.4 | 1750.4 | 1752.4 | 1740.3 | 1736.3 | 1728.3 | 1671.9 | 1665.9 | 1649.8 |
| 30°    | 1698.1 | 1694.1 | 1684.0 | 1676.0 | 1684.0 | 1694.1 | 1698.1 | 1686.0 | 1629.7 | 1613.6 | 1617.6 |
| 32.5°  | 1633.7 | 1623.6 | 1613.6 | 1607.6 | 1613.6 | 1623.6 | 1633.7 | 1629.7 | 1587.4 | 1565.3 | 1569.3 |
| 35°    | 1557.3 | 1559.3 | 1557.3 | 1551.2 | 1557.3 | 1559.3 | 1557.3 | 1561.3 | 1535.1 | 1515.0 | 1513.0 |
| 37.5°  | 1502.9 | 1507.0 | 1504.9 | 1496.9 | 1504.9 | 1507.0 | 1502.9 | 1498.9 | 1462.7 | 1456.7 | 1460.7 |
| 40°    | 1446.6 | 1448.6 | 1446.6 | 1440.6 | 1446.6 | 1448.6 | 1446.6 | 1438.5 | 1388.3 | 1390.3 | 1404.3 |
| 42.5°  | 1392.3 | 1390.3 | 1384.2 | 1380.2 | 1384.2 | 1390.3 | 1392.3 | 1380.2 | 1315.8 | 1309.8 | 1335.9 |
| 45°    | 1329.9 | 1331.9 | 1319.8 | 1313.8 | 1319.8 | 1331.9 | 1329.9 | 1321.9 | 1255.5 | 1239.4 | 1257.5 |
| 47.5°  | 1267.5 | 1267.5 | 1257.5 | 1251.4 | 1257.5 | 1267.5 | 1267.5 | 1257.5 | 1187.1 | 1171.0 | 1181.0 |
| 50°    | 1201.1 | 1199.1 | 1185.0 | 1183.0 | 1185.0 | 1199.1 | 1201.1 | 1195.1 | 1120.7 | 1106.6 | 1106.6 |
| 52.5°  | 1124.7 | 1124.7 | 1126.7 | 1130.7 | 1126.7 | 1124.7 | 1124.7 | 1126.7 | 1060.3 | 1046.2 | 1042.2 |
| 55°    | 1058.3 | 1060.3 | 1074.4 | 1078.4 | 1074.4 | 1060.3 | 1058.3 | 1058.3 | 997.9  | 983.8  | 975.8  |
| 57.5°  | 989.9  | 989.9  | 999.9  | 999.9  | 999.9  | 989.9  | 989.9  | 985.9  | 927.5  | 915.4  | 911.4  |
| 60°    | 911.4  | 915.4  | 923.5  | 921.5  | 923.5  | 915.4  | 911.4  | 907.4  | 857.1  | 849.0  | 835.0  |
| 62.5°  | 828.9  | 833.0  | 835.0  | 830.9  | 835.0  | 833.0  | 828.9  | 816.9  | 786.7  | 780.6  | 762.5  |
| 65°    | 742.4  | 746.4  | 748.4  | 744.4  | 748.4  | 746.4  | 742.4  | 736.4  | 714.2  | 704.2  | 688.1  |
| 67.5°  | 653.9  | 651.9  | 649.9  | 657.9  | 649.9  | 651.9  | 653.9  | 645.8  | 631.8  | 623.7  | 601.6  |
| 70°    | 563.3  | 563.3  | 561.3  | 565.4  | 561.3  | 563.3  | 563.3  | 557.3  | 549.3  | 543.2  | 523.1  |
| 72.5°  | 466.8  | 464.8  | 472.8  | 466.8  | 472.8  | 464.8  | 466.8  | 464.8  | 460.7  | 454.7  | 434.6  |
| 75°    | 372.2  | 376.2  | 372.2  | 378.2  | 372.2  | 376.2  | 372.2  | 374.2  | 372.2  | 368.2  | 354.1  |
| 77.5°  | 283.7  | 287.7  | 283.7  | 283.7  | 283.7  | 287.7  | 283.7  | 285.7  | 285.7  | 285.7  | 273.6  |
| 80°    | 201.2  | 199.2  | 199.2  | 197.2  | 199.2  | 199.2  | 201.2  | 201.2  | 203.2  | 199.2  | 195.2  |
| 82.5°  | 128.8  | 126.8  | 126.8  | 130.8  | 126.8  | 126.8  | 128.8  | 130.8  | 126.8  | 126.8  | 126.8  |
| 85°    | 70.4   | 72.4   | 68.4   | 68.4   | 68.4   | 72.4   | 70.4   | 66.4   | 70.4   | 70.4   | 68.4   |
| 87.5°  | 26.2   | 24.1   | 24.1   | 24.1   | 24.1   | 24.1   | 26.2   | 28.2   | 28.2   | 28.2   | 30.2   |
| 90°    | 35.3   | 35.3   | 35.3   | 35.3   | 35.3   | 35.3   | 35.3   | 47.1   | 62.8   | 70.7   | 60.8   |
| 92.5°  | 176.7  | 169.7  | 141.6  | 113.5  | 141.6  | 169.7  | 176.7  | 250.5  | 348.8  | 398.0  | 349.4  |
| 95°    | 599.8  | 578.5  | 493.4  | 408.3  | 493.4  | 578.5  | 599.8  | 787.7  | 1038.2 | 1163.4 | 982.6  |
| 97.5°  | 1384.7 | 1344.2 | 1182.2 | 1020.2 | 1182.2 | 1344.2 | 1384.7 | 1503.4 | 1661.7 | 1740.9 | 1439.4 |
| 100°   | 1944.6 | 1896.3 | 1703.3 | 1510.3 | 1703.3 | 1896.3 | 1944.6 | 1935.9 | 1924.3 | 1918.5 | 1583.9 |
| 102.5° | 2422.6 | 2381.3 | 2215.9 | 2050.6 | 2215.9 | 2381.3 | 2422.6 | 2271.3 | 2069.6 | 1968.8 | 1629.4 |
| 105°   | 2980.6 | 2958.4 | 2869.5 | 2780.6 | 2869.5 | 2958.4 | 2980.6 | 2641.5 | 2189.3 | 1963.2 | 1634.6 |
| 107.5° | 3270.7 | 3276.1 | 3297.6 | 3319.1 | 3297.6 | 3276.1 | 3270.7 | 2797.7 | 2167.0 | 1851.6 | 1561.9 |
| 110°   | 3345.1 | 3368.2 | 3460.8 | 3553.4 | 3460.8 | 3368.2 | 3345.1 | 2816.3 | 2111.2 | 1758.6 | 1497.4 |



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**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 3297.7 | 3333.2 | 3475.4 | 3617.6 | 3475.4 | 3333.2 | 3297.7 | 2756.5 | 2034.8 | 1674.0 | 1441.1 |
| 115°   | 3136.8 | 3186.1 | 3383.2 | 3580.4 | 3383.2 | 3186.1 | 3136.8 | 2615.4 | 1920.2 | 1572.6 | 1376.5 |
| 117.5° | 2914.5 | 2969.2 | 3187.8 | 3406.5 | 3187.8 | 2969.2 | 2914.5 | 2443.9 | 1816.5 | 1502.8 | 1336.0 |
| 120°   | 2764.8 | 2817.9 | 3030.4 | 3242.8 | 3030.4 | 2817.9 | 2764.8 | 2334.8 | 1761.5 | 1474.9 | 1322.4 |
| 122.5° | 2615.1 | 2667.5 | 2877.0 | 3086.6 | 2877.0 | 2667.5 | 2615.1 | 2227.9 | 1711.6 | 1453.5 | 1315.3 |
| 125°   | 2417.0 | 2465.3 | 2658.3 | 2851.3 | 2658.3 | 2465.3 | 2417.0 | 2088.1 | 1649.6 | 1430.3 | 1309.4 |
| 127.5° | 2258.0 | 2298.7 | 2461.6 | 2624.4 | 2461.6 | 2298.7 | 2258.0 | 1975.6 | 1599.1 | 1410.8 | 1306.0 |
| 130°   | 2157.5 | 2195.1 | 2345.6 | 2496.1 | 2345.6 | 2195.1 | 2157.5 | 1906.1 | 1570.9 | 1403.3 | 1308.0 |
| 132.5° | 2072.0 | 2105.7 | 2240.4 | 2375.2 | 2240.4 | 2105.7 | 2072.0 | 1846.9 | 1546.8 | 1396.8 | 1309.4 |
| 135°   | 1951.1 | 1980.1 | 2096.3 | 2212.4 | 2096.3 | 1980.1 | 1951.1 | 1762.6 | 1511.3 | 1385.7 | 1308.2 |
| 137.5° | 1861.8 | 1885.6 | 1980.6 | 2075.7 | 1980.6 | 1885.6 | 1861.8 | 1702.5 | 1490.0 | 1383.8 | 1316.2 |
| 140°   | 1790.2 | 1812.4 | 1901.3 | 1990.1 | 1901.3 | 1812.4 | 1790.2 | 1652.6 | 1469.1 | 1377.3 | 1317.6 |
| 142.5° | 1740.0 | 1759.1 | 1835.6 | 1912.0 | 1835.6 | 1759.1 | 1740.0 | 1619.1 | 1457.9 | 1377.3 | 1322.3 |
| 145°   | 1664.7 | 1679.2 | 1737.0 | 1794.8 | 1737.0 | 1679.2 | 1664.7 | 1565.8 | 1433.9 | 1368.0 | 1322.3 |
| 147.5° | 1601.4 | 1613.4 | 1661.3 | 1709.3 | 1661.3 | 1613.4 | 1601.4 | 1523.6 | 1419.9 | 1368.0 | 1331.4 |
| 150°   | 1565.1 | 1574.8 | 1613.7 | 1652.6 | 1613.7 | 1574.8 | 1565.1 | 1499.4 | 1411.8 | 1368.0 | 1336.2 |
| 152.5° | 1536.3 | 1543.6 | 1573.0 | 1602.3 | 1573.0 | 1543.6 | 1536.3 | 1480.2 | 1405.4 | 1368.0 | 1339.3 |
| 155°   | 1501.9 | 1506.8 | 1526.2 | 1545.6 | 1526.2 | 1506.8 | 1501.9 | 1457.3 | 1397.8 | 1368.0 | 1346.1 |
| 157.5° | 1472.1 | 1475.5 | 1489.2 | 1502.8 | 1489.2 | 1475.5 | 1472.1 | 1437.4 | 1391.1 | 1368.0 | 1352.9 |
| 160°   | 1457.3 | 1459.3 | 1467.1 | 1474.9 | 1467.1 | 1459.3 | 1457.3 | 1427.5 | 1387.8 | 1368.0 | 1356.0 |
| 162.5° | 1443.3 | 1445.2 | 1452.6 | 1460.1 | 1452.6 | 1445.2 | 1443.3 | 1418.2 | 1384.7 | 1368.0 | 1359.3 |
| 165°   | 1421.9 | 1423.9 | 1431.7 | 1439.6 | 1431.7 | 1423.9 | 1421.9 | 1403.9 | 1380.0 | 1368.0 | 1364.1 |
| 167.5° | 1412.6 | 1413.4 | 1416.8 | 1420.1 | 1416.8 | 1413.4 | 1412.6 | 1400.8 | 1385.1 | 1377.3 | 1374.0 |
| 170°   | 1412.6 | 1412.6 | 1412.6 | 1412.6 | 1412.6 | 1412.6 | 1412.6 | 1400.8 | 1385.1 | 1377.3 | 1377.1 |
| 172.5° | 1405.2 | 1404.5 | 1401.6 | 1398.7 | 1401.6 | 1404.5 | 1405.2 | 1395.9 | 1383.5 | 1377.3 | 1377.3 |
| 175°   | 1395.0 | 1395.0 | 1395.0 | 1395.0 | 1395.0 | 1395.0 | 1395.0 | 1389.1 | 1381.2 | 1377.3 | 1379.2 |
| 177.5° | 1393.1 | 1392.3 | 1389.0 | 1385.7 | 1389.0 | 1392.3 | 1393.1 | 1388.5 | 1382.3 | 1379.2 | 1380.6 |
| 180°   | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 |



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CATALOG NUMBER: SQ4-FA-075U-050D-835-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 0°     | 2126.6 | 2126.6 | 2126.6 | 2126.6 | 2126.6 |
| 2.5°   | 2100.5 | 2110.5 | 2116.6 | 2124.6 | 2144.7 |
| 5°     | 2020.0 | 2058.2 | 2070.3 | 2100.5 | 2136.7 |
| 7.5°   | 1843.0 | 1959.6 | 1991.8 | 2064.3 | 2120.6 |
| 10°    | 1671.9 | 1788.6 | 1845.0 | 2016.0 | 2100.5 |
| 12.5°  | 1585.4 | 1653.8 | 1692.1 | 1931.5 | 2072.3 |
| 15°    | 1531.1 | 1579.4 | 1607.6 | 1818.8 | 2040.1 |
| 17.5°  | 1488.8 | 1523.1 | 1543.2 | 1708.2 | 1995.9 |
| 20°    | 1462.7 | 1478.8 | 1496.9 | 1627.7 | 1945.6 |
| 22.5°  | 1444.6 | 1434.5 | 1448.6 | 1571.3 | 1877.2 |
| 25°    | 1432.5 | 1394.3 | 1410.4 | 1527.1 | 1796.7 |
| 27.5°  | 1442.6 | 1358.1 | 1364.1 | 1486.8 | 1712.2 |
| 30°    | 1444.6 | 1313.8 | 1315.8 | 1444.6 | 1617.6 |
| 32.5°  | 1430.5 | 1267.5 | 1269.5 | 1392.3 | 1511.0 |
| 35°    | 1396.3 | 1213.2 | 1211.2 | 1331.9 | 1366.1 |
| 37.5°  | 1350.0 | 1154.9 | 1154.9 | 1265.5 | 1207.2 |
| 40°    | 1293.7 | 1096.5 | 1102.6 | 1179.0 | 1066.3 |
| 42.5°  | 1225.3 | 1034.1 | 1042.2 | 1064.3 | 961.7  |
| 45°    | 1150.8 | 973.8  | 979.8  | 899.3  | 881.2  |
| 47.5°  | 1068.3 | 911.4  | 913.4  | 746.4  | 855.1  |
| 50°    | 969.8  | 847.0  | 839.0  | 639.8  | 853.1  |
| 52.5°  | 883.2  | 776.6  | 752.5  | 579.4  | 774.6  |
| 55°    | 798.7  | 702.2  | 649.9  | 533.2  | 718.3  |
| 57.5°  | 724.3  | 605.6  | 555.3  | 478.8  | 706.2  |
| 60°    | 655.9  | 511.0  | 472.8  | 420.5  | 647.9  |
| 62.5°  | 599.6  | 440.6  | 432.6  | 380.3  | 587.5  |
| 65°    | 539.2  | 392.3  | 390.3  | 346.1  | 499.0  |
| 67.5°  | 480.9  | 360.1  | 358.1  | 313.9  | 380.3  |
| 70°    | 418.5  | 325.9  | 321.9  | 279.7  | 281.7  |
| 72.5°  | 354.1  | 287.7  | 283.7  | 251.5  | 233.4  |
| 75°    | 289.7  | 243.4  | 241.4  | 219.3  | 189.1  |
| 77.5°  | 227.4  | 193.1  | 197.2  | 177.1  | 138.8  |
| 80°    | 163.0  | 140.8  | 144.9  | 126.8  | 104.6  |
| 82.5°  | 108.6  | 92.6   | 96.6   | 80.5   | 70.4   |
| 85°    | 60.4   | 52.3   | 54.3   | 42.3   | 32.2   |
| 87.5°  | 28.2   | 24.1   | 24.1   | 16.1   | 10.1   |
| 90°    | 40.9   | 26.0   | 24.1   | 16.7   | 9.3    |
| 92.5°  | 252.3  | 179.5  | 163.7  | 100.4  | 37.2   |
| 95°    | 620.9  | 349.7  | 320.8  | 205.0  | 89.3   |
| 97.5°  | 836.4  | 384.1  | 358.6  | 256.5  | 154.4  |
| 100°   | 914.8  | 412.9  | 389.8  | 297.2  | 204.6  |
| 102.5° | 950.7  | 441.7  | 420.1  | 333.8  | 247.4  |
| 105°   | 977.4  | 484.5  | 466.2  | 393.1  | 319.9  |
| 107.5° | 982.4  | 547.8  | 530.7  | 462.5  | 394.3  |
| 110°   | 974.9  | 583.1  | 567.7  | 506.1  | 444.5  |



TEST NUMBER: P934613  
 CATALOG NUMBER: SQ4-FA-075U-050D-835-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 975.3  | 625.9  | 611.2  | 552.5  | 493.8  |
| 115°   | 984.2  | 690.0  | 676.5  | 622.3  | 568.2  |
| 117.5° | 1002.5 | 752.3  | 740.0  | 690.9  | 641.7  |
| 120°   | 1017.4 | 788.6  | 777.0  | 730.8  | 684.5  |
| 122.5° | 1038.8 | 831.4  | 819.7  | 773.0  | 726.3  |
| 125°   | 1067.6 | 886.3  | 875.7  | 833.1  | 790.5  |
| 127.5° | 1096.5 | 939.3  | 928.6  | 885.6  | 842.6  |
| 130°   | 1117.5 | 974.6  | 963.0  | 916.8  | 870.5  |
| 132.5° | 1134.5 | 1003.4 | 991.8  | 945.6  | 899.3  |
| 135°   | 1153.2 | 1036.9 | 1026.4 | 984.2  | 942.1  |
| 137.5° | 1181.1 | 1079.7 | 1069.3 | 1027.5 | 985.8  |
| 140°   | 1198.1 | 1108.5 | 1098.9 | 1060.4 | 1022.0 |
| 142.5° | 1212.4 | 1129.9 | 1121.0 | 1085.5 | 1049.9 |
| 145°   | 1231.0 | 1162.5 | 1154.7 | 1123.7 | 1092.7 |
| 147.5° | 1258.3 | 1203.4 | 1195.9 | 1165.7 | 1135.5 |
| 150°   | 1272.5 | 1224.8 | 1218.0 | 1190.7 | 1163.4 |
| 152.5° | 1281.8 | 1238.7 | 1233.5 | 1212.9 | 1192.2 |
| 155°   | 1302.3 | 1269.4 | 1265.6 | 1250.3 | 1235.0 |
| 157.5° | 1322.7 | 1300.1 | 1296.4 | 1281.5 | 1266.6 |
| 160°   | 1332.1 | 1314.1 | 1311.2 | 1299.6 | 1288.0 |
| 162.5° | 1341.9 | 1328.9 | 1326.7 | 1318.1 | 1309.4 |
| 165°   | 1356.2 | 1350.3 | 1348.3 | 1340.5 | 1332.7 |
| 167.5° | 1367.4 | 1362.4 | 1361.5 | 1357.7 | 1354.0 |
| 170°   | 1376.7 | 1376.4 | 1375.5 | 1371.7 | 1368.0 |
| 172.5° | 1377.3 | 1377.3 | 1377.1 | 1376.2 | 1375.4 |
| 175°   | 1382.9 | 1385.7 | 1385.7 | 1385.7 | 1385.7 |
| 177.5° | 1383.5 | 1385.7 | 1385.7 | 1385.7 | 1385.7 |
| 180°   | 1385.7 | 1385.7 | 1385.7 | 1385.7 | 1385.7 |



TEST NUMBER: P934613  
 CATALOG NUMBER: SQ4-FA-075U-050D-835-1D-UNV-STD-W-12

**CIE UGR TABLE:**

| Reflectances:   |      |                  |       |       |       |       |                |       |       |       |       |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling         |      | 0.7              | 0.7   | 0.5   | 0.5   | 0.3   | 0.7            | 0.7   | 0.5   | 0.5   | 0.3   |
| Wall            |      | 0.5              | 0.3   | 0.5   | 0.3   | 0.3   | 0.5            | 0.3   | 0.5   | 0.3   | 0.3   |
| Reference plane |      | 0.2              | 0.2   | 0.2   | 0.2   | 0.2   | 0.2            | 0.2   | 0.2   | 0.2   | 0.2   |
| Room dimensions |      | Viewed crosswise |       |       |       |       | Viewed endwise |       |       |       |       |
| X=2H            | Y=2H | 10.14            | 10.90 | 11.19 | 11.96 | 13.39 | 12.99          | 13.76 | 14.05 | 14.81 | 16.24 |
|                 | 3H   | 10.61            | 11.29 | 11.67 | 12.36 | 13.81 | 14.34          | 15.02 | 15.40 | 16.09 | 17.54 |
|                 | 4H   | 10.80            | 11.44 | 11.87 | 12.51 | 13.97 | 14.78          | 15.43 | 15.85 | 16.50 | 17.95 |
|                 | 6H   | 10.91            | 11.51 | 11.99 | 12.58 | 14.05 | 15.07          | 15.66 | 16.15 | 16.73 | 18.20 |
|                 | 8H   | 10.91            | 11.48 | 12.00 | 12.56 | 14.03 | 15.14          | 15.71 | 16.23 | 16.80 | 18.26 |
|                 | 12H  | 10.88            | 11.41 | 11.97 | 12.50 | 13.98 | 15.18          | 15.72 | 16.27 | 16.80 | 18.29 |
| 4H              | 2H   | 11.17            | 11.81 | 12.25 | 12.88 | 14.34 | 13.39          | 14.04 | 14.47 | 15.10 | 16.56 |
|                 | 3H   | 12.18            | 12.72 | 13.27 | 13.82 | 15.29 | 14.89          | 15.43 | 15.98 | 16.53 | 18.00 |
|                 | 4H   | 12.46            | 12.95 | 13.55 | 14.04 | 15.53 | 15.42          | 15.91 | 16.51 | 17.00 | 18.49 |
|                 | 6H   | 12.58            | 13.00 | 13.68 | 14.11 | 15.59 | 15.78          | 16.21 | 16.89 | 17.32 | 18.80 |
|                 | 8H   | 12.58            | 12.98 | 13.68 | 14.08 | 15.58 | 15.89          | 16.29 | 16.99 | 17.39 | 18.89 |
|                 | 12H  | 12.54            | 12.90 | 13.66 | 14.01 | 15.52 | 15.95          | 16.31 | 17.07 | 17.42 | 18.93 |
| 8H              | 4H   | 12.90            | 13.30 | 14.01 | 14.40 | 15.90 | 15.54          | 15.93 | 16.64 | 17.03 | 18.53 |
|                 | 6H   | 13.16            | 13.49 | 14.29 | 14.63 | 16.13 | 15.97          | 16.30 | 17.10 | 17.44 | 18.94 |
|                 | 8H   | 13.20            | 13.49 | 14.33 | 14.61 | 16.13 | 16.13          | 16.41 | 17.26 | 17.54 | 19.06 |
|                 | 12H  | 13.18            | 13.44 | 14.32 | 14.56 | 16.11 | 16.23          | 16.48 | 17.36 | 17.60 | 19.15 |
| 12H             | 4H   | 12.91            | 13.27 | 14.03 | 14.38 | 15.89 | 15.49          | 15.85 | 16.61 | 16.97 | 18.47 |
|                 | 6H   | 13.22            | 13.51 | 14.35 | 14.63 | 16.15 | 15.97          | 16.26 | 17.10 | 17.38 | 18.90 |
|                 | 8H   | 13.29            | 13.54 | 14.42 | 14.66 | 16.21 | 16.13          | 16.38 | 17.26 | 17.50 | 19.06 |