

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: P934701

Luminaire Tested: SQ4-FA-075U-050D-B40-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

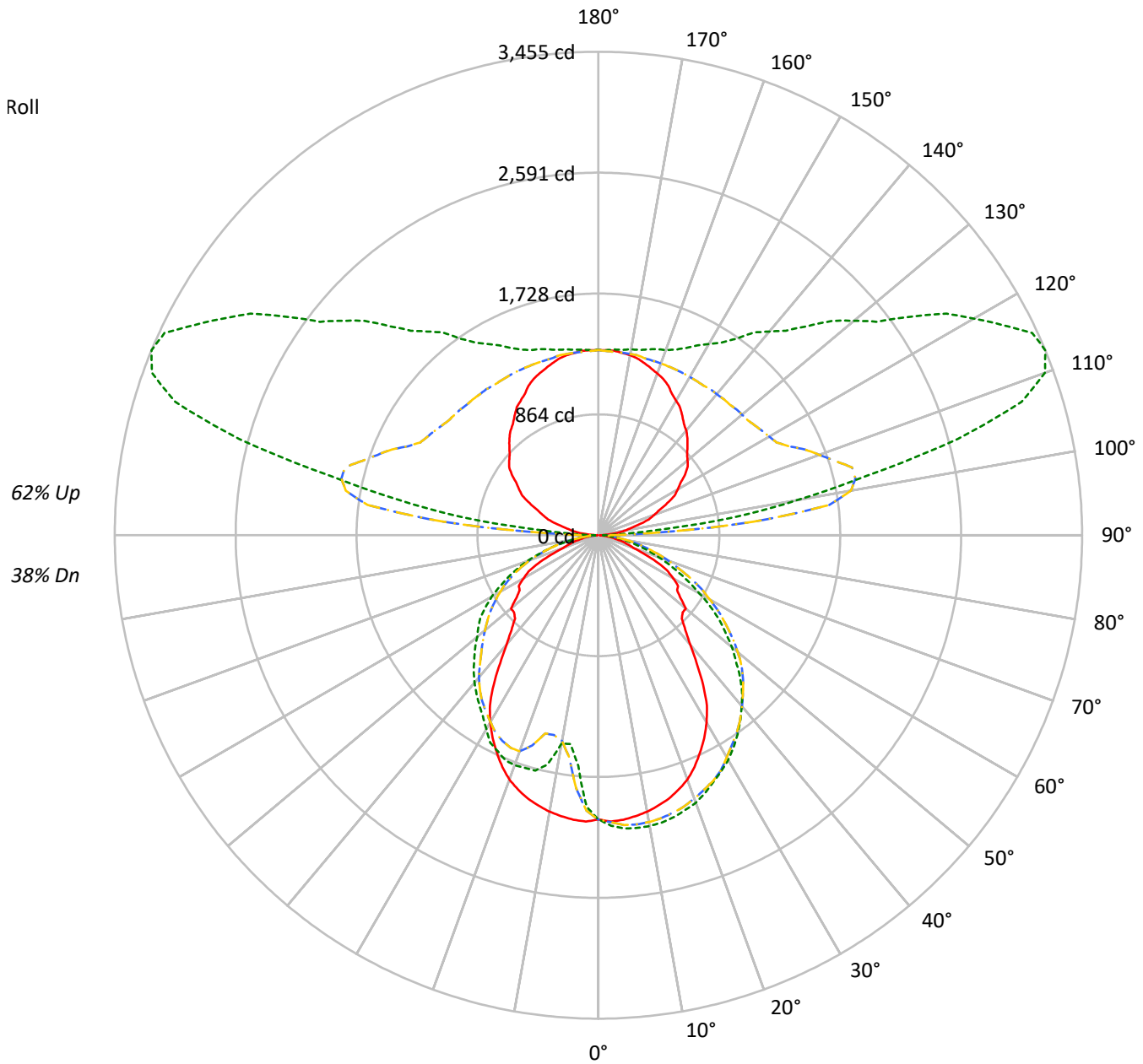
Test Method: LM-79-2019  
Report Number: P934701  
REPORT IS A COMBINATION OF REPORTS P933705 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-050D-B40-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13849.4 lumens  
Efficiency: N/A  
Efficacy: 134.2 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°  | 6282 | 6282 | 6282 | 6282 |
| 5°  | 6331 | 6341 | 6331 | 4986 |
| 10° | 6291 | 6246 | 6291 | 4466 |
| 15° | 6225 | 6111 | 6225 | 5103 |
| 20° | 6097 | 5951 | 6097 | 5114 |
| 25° | 5833 | 5717 | 5833 | 5005 |
| 30° | 5491 | 5523 | 5491 | 4768 |
| 35° | 4898 | 5277 | 4898 | 4506 |
| 40° | 4083 | 4988 | 4083 | 4308 |
| 45° | 3651 | 4650 | 3651 | 4081 |
| 50° | 3882 | 4246 | 3882 | 3853 |
| 55° | 3656 | 3812 | 3656 | 3721 |
| 60° | 3773 | 3237 | 3773 | 3408 |
| 65° | 3426 | 2676 | 3426 | 2991 |
| 70° | 2378 | 2133 | 2378 | 2508 |
| 75° | 2093 | 1577 | 2093 | 1888 |
| 80° | 1699 | 1043 | 1699 | 1135 |
| 85° | 998  | 552  | 998  | 469  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5592 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 183.3   | 1.3       |
| 10°-20°   | 520.5   | 3.8       |
| 20°-30°   | 804.6   | 5.8       |
| 30°-40°   | 960.6   | 6.9       |
| 40°-50°   | 966.2   | 7.0       |
| 50°-60°   | 840.7   | 6.1       |
| 60°-70°   | 596.1   | 4.3       |
| 70°-80°   | 315.4   | 2.3       |
| 80°-90°   | 83.6    | 0.6       |
| 90°-100°  | 645.1   | 4.7       |
| 100°-110° | 1695.9  | 12.2      |
| 110°-120° | 1758.4  | 12.7      |
| 120°-130° | 1410.5  | 10.2      |
| 130°-140° | 1106.7  | 8.0       |
| 140°-150° | 849.4   | 6.1       |
| 150°-160° | 611.7   | 4.4       |
| 160°-170° | 374.3   | 2.7       |
| 170°-180° | 126.5   | 0.9       |
| 0°-30°    | 1508.5  | 10.9      |
| 0°-40°    | 2469.0  | 17.8      |
| 0°-60°    | 4275.9  | 30.9      |
| 0°-90°    | 5270.9  | 38.1      |
| 90°-120°  | 4099.3  | 29.6      |
| 90°-150°  | 7466.0  | 53.9      |
| 90°-180°  | 8578.0  | 61.9      |
| 0°-180°   | 13849.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 2031 | 2031 | 2031 | 2031 | 2031 |      |
| 5°   | 2040 | 2104 | 2040 | 1654 | 2040 | 194  |
| 15°  | 1948 | 2085 | 1948 | 1741 | 1948 | 548  |
| 25°  | 1716 | 1944 | 1716 | 1702 | 1716 | 788  |
| 35°  | 1305 | 1735 | 1305 | 1481 | 1305 | 807  |
| 45°  | 842  | 1430 | 842  | 1255 | 842  | 674  |
| 55°  | 686  | 1055 | 686  | 1030 | 686  | 630  |
| 65°  | 476  | 636  | 476  | 711  | 476  | 455  |
| 75°  | 181  | 302  | 181  | 361  | 181  | 190  |
| 85°  | 31   | 77   | 31   | 65   | 31   | 42   |
| 90°  | 9    | 34   | 9    | 34   | 9    | 9    |
| 95°  | 85   | 390  | 85   | 390  | 85   | 95   |
| 105° | 306  | 2656 | 306  | 2656 | 306  | 324  |
| 115° | 543  | 3419 | 543  | 3419 | 543  | 536  |
| 125° | 755  | 2723 | 755  | 2723 | 755  | 670  |
| 135° | 900  | 2113 | 900  | 2113 | 900  | 696  |
| 145° | 1044 | 1714 | 1044 | 1714 | 1044 | 654  |
| 155° | 1179 | 1476 | 1179 | 1476 | 1179 | 542  |
| 165° | 1273 | 1375 | 1273 | 1375 | 1273 | 359  |
| 175° | 1323 | 1332 | 1323 | 1332 | 1323 | 126  |
| 180° | 1323 | 1323 | 1323 | 1323 | 1323 |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 |
| 2.5°   | 2048.2 | 2048.2 | 2059.7 | 2063.6 | 2063.6 | 2057.8 | 2052.1 | 2057.8 | 2075.1 | 2080.8 | 2078.9 |
| 5°     | 2040.5 | 2055.9 | 2077.0 | 2080.8 | 2084.8 | 2082.9 | 2078.9 | 2082.9 | 2102.1 | 2105.9 | 2107.8 |
| 7.5°   | 2025.2 | 2054.0 | 2080.8 | 2086.7 | 2092.4 | 2086.7 | 2084.8 | 2088.6 | 2107.8 | 2111.6 | 2111.6 |
| 10°    | 2006.0 | 2046.3 | 2077.0 | 2080.8 | 2086.7 | 2080.8 | 2080.8 | 2088.6 | 2107.8 | 2111.6 | 2113.6 |
| 12.5°  | 1979.0 | 2034.8 | 2063.6 | 2067.5 | 2075.1 | 2073.2 | 2071.3 | 2078.9 | 2098.2 | 2102.1 | 2102.1 |
| 15°    | 1948.3 | 2013.6 | 2040.5 | 2044.4 | 2057.8 | 2054.0 | 2054.0 | 2061.7 | 2082.9 | 2088.6 | 2086.7 |
| 17.5°  | 1906.1 | 1986.8 | 2017.5 | 2023.3 | 2032.9 | 2030.9 | 2032.9 | 2040.5 | 2059.7 | 2063.6 | 2065.6 |
| 20°    | 1858.0 | 1950.2 | 1986.8 | 1992.5 | 2002.2 | 2002.2 | 2002.2 | 2011.7 | 2030.9 | 2038.6 | 2038.6 |
| 22.5°  | 1792.7 | 1911.8 | 1950.2 | 1954.1 | 1965.6 | 1965.6 | 1969.5 | 1982.9 | 2000.2 | 2002.2 | 2002.2 |
| 25°    | 1715.8 | 1869.5 | 1902.2 | 1913.7 | 1925.3 | 1931.0 | 1936.8 | 1944.5 | 1950.2 | 1948.3 | 1950.2 |
| 27.5°  | 1635.2 | 1815.7 | 1858.0 | 1865.7 | 1881.1 | 1886.8 | 1894.5 | 1896.4 | 1898.3 | 1904.1 | 1900.3 |
| 30°    | 1544.8 | 1740.8 | 1804.2 | 1811.9 | 1836.8 | 1840.8 | 1833.0 | 1836.8 | 1846.5 | 1850.3 | 1854.1 |
| 32.5°  | 1443.0 | 1629.3 | 1748.5 | 1765.8 | 1788.8 | 1777.4 | 1775.3 | 1781.2 | 1796.5 | 1796.5 | 1800.4 |
| 35°    | 1304.6 | 1542.9 | 1696.7 | 1712.0 | 1729.3 | 1715.8 | 1723.5 | 1725.4 | 1735.0 | 1740.8 | 1738.9 |
| 37.5°  | 1152.9 | 1467.9 | 1642.8 | 1654.3 | 1667.8 | 1650.5 | 1662.0 | 1667.8 | 1675.5 | 1671.6 | 1671.6 |
| 40°    | 1018.3 | 1350.8 | 1579.4 | 1587.1 | 1598.6 | 1585.2 | 1596.7 | 1600.6 | 1604.4 | 1600.6 | 1598.6 |
| 42.5°  | 918.4  | 1222.0 | 1512.1 | 1521.8 | 1514.1 | 1523.7 | 1527.5 | 1535.3 | 1529.4 | 1521.8 | 1521.8 |
| 45°    | 841.5  | 1187.4 | 1439.2 | 1450.6 | 1439.2 | 1454.6 | 1460.3 | 1460.3 | 1443.0 | 1439.2 | 1437.2 |
| 47.5°  | 816.6  | 1118.3 | 1366.1 | 1366.1 | 1360.4 | 1379.6 | 1389.1 | 1375.8 | 1358.5 | 1352.7 | 1352.7 |
| 50°    | 814.7  | 1041.4 | 1266.2 | 1258.5 | 1285.4 | 1308.4 | 1298.9 | 1285.4 | 1272.0 | 1250.9 | 1250.9 |
| 52.5°  | 739.7  | 947.3  | 1137.5 | 1166.3 | 1208.6 | 1222.0 | 1206.6 | 1193.2 | 1170.2 | 1160.5 | 1152.9 |
| 55°    | 686.0  | 849.3  | 1020.2 | 1077.9 | 1122.1 | 1139.4 | 1110.6 | 1097.1 | 1062.5 | 1056.8 | 1053.0 |
| 57.5°  | 674.4  | 707.1  | 912.7  | 985.7  | 1039.5 | 1037.6 | 1020.2 | 995.3  | 966.5  | 960.7  | 958.8  |
| 60°    | 618.7  | 511.1  | 797.4  | 883.9  | 939.5  | 933.8  | 918.4  | 895.4  | 868.5  | 864.7  | 860.8  |
| 62.5°  | 561.1  | 370.8  | 666.7  | 764.8  | 843.5  | 841.5  | 828.2  | 793.5  | 774.3  | 764.8  | 757.0  |
| 65°    | 476.5  | 311.2  | 474.6  | 636.0  | 749.4  | 753.2  | 724.4  | 699.4  | 678.2  | 666.7  | 664.8  |
| 67.5°  | 363.2  | 253.6  | 320.9  | 530.3  | 659.0  | 655.2  | 618.7  | 607.2  | 580.3  | 574.5  | 563.0  |
| 70°    | 269.0  | 169.1  | 222.9  | 430.4  | 570.7  | 561.1  | 532.2  | 518.8  | 493.8  | 480.4  | 472.6  |
| 72.5°  | 222.9  | 136.4  | 163.3  | 334.3  | 480.4  | 468.8  | 443.9  | 428.5  | 407.3  | 395.8  | 388.1  |
| 75°    | 180.6  | 144.1  | 124.9  | 247.8  | 390.0  | 382.4  | 359.3  | 343.9  | 326.6  | 311.2  | 313.1  |
| 77.5°  | 132.6  | 134.5  | 99.9   | 182.5  | 309.3  | 297.9  | 284.4  | 265.2  | 257.5  | 242.1  | 242.1  |
| 80°    | 99.9   | 105.7  | 75.0   | 124.9  | 222.9  | 222.9  | 211.3  | 197.9  | 184.4  | 176.8  | 176.8  |
| 82.5°  | 67.2   | 67.2   | 55.7   | 78.8   | 151.7  | 146.0  | 138.4  | 134.5  | 126.8  | 123.0  | 123.0  |
| 85°    | 30.8   | 38.4   | 34.6   | 48.0   | 82.6   | 86.4   | 86.4   | 82.6   | 80.7   | 76.9   | 78.8   |
| 87.5°  | 9.6    | 17.3   | 21.1   | 26.9   | 42.3   | 44.2   | 46.1   | 46.1   | 46.1   | 48.0   | 48.0   |
| 90°    | 8.9    | 15.9   | 23.0   | 24.8   | 39.1   | 58.1   | 67.5   | 60.0   | 45.0   | 33.7   | 33.7   |
| 92.5°  | 35.5   | 95.9   | 156.3  | 171.4  | 240.9  | 333.7  | 380.1  | 333.1  | 239.2  | 168.7  | 162.1  |
| 95°    | 85.3   | 195.8  | 306.4  | 334.0  | 593.0  | 938.4  | 1111.0 | 991.5  | 752.3  | 572.8  | 552.5  |
| 97.5°  | 147.5  | 245.0  | 342.5  | 366.8  | 798.8  | 1374.6 | 1662.6 | 1586.9 | 1435.7 | 1322.4 | 1283.7 |
| 100°   | 195.4  | 283.8  | 372.3  | 394.3  | 873.6  | 1512.6 | 1832.2 | 1837.7 | 1848.8 | 1857.1 | 1811.0 |
| 102.5° | 236.3  | 318.8  | 401.2  | 421.8  | 907.9  | 1556.1 | 1880.2 | 1976.5 | 2169.1 | 2313.6 | 2274.1 |
| 105°   | 305.5  | 375.4  | 445.2  | 462.7  | 933.4  | 1561.0 | 1874.9 | 2090.8 | 2522.6 | 2846.5 | 2825.3 |
| 107.5° | 376.6  | 441.7  | 506.8  | 523.1  | 938.2  | 1491.6 | 1768.3 | 2069.5 | 2671.8 | 3123.5 | 3128.7 |
| 110°   | 424.5  | 483.3  | 542.2  | 556.9  | 931.0  | 1430.0 | 1679.5 | 2016.2 | 2689.6 | 3194.6 | 3216.6 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 471.6  | 527.6  | 583.7  | 597.7  | 931.4  | 1376.3 | 1598.7 | 1943.2 | 2632.5 | 3149.3 | 3183.2 |
| 115°   | 542.6  | 594.3  | 646.1  | 658.9  | 939.9  | 1314.6 | 1501.8 | 1833.8 | 2497.7 | 2995.6 | 3042.7 |
| 117.5° | 612.8  | 659.8  | 706.7  | 718.4  | 957.4  | 1275.9 | 1435.2 | 1734.8 | 2333.9 | 2783.3 | 2835.6 |
| 120°   | 653.7  | 697.9  | 742.0  | 753.1  | 971.6  | 1262.9 | 1408.5 | 1682.2 | 2229.7 | 2640.4 | 2691.1 |
| 122.5° | 693.6  | 738.2  | 782.8  | 794.0  | 992.1  | 1256.1 | 1388.1 | 1634.6 | 2127.6 | 2497.4 | 2547.5 |
| 125°   | 754.9  | 795.6  | 836.3  | 846.4  | 1019.6 | 1250.5 | 1365.9 | 1575.4 | 1994.1 | 2308.2 | 2354.4 |
| 127.5° | 804.7  | 845.7  | 886.8  | 897.0  | 1047.2 | 1247.2 | 1347.3 | 1527.1 | 1886.7 | 2156.4 | 2195.3 |
| 130°   | 831.3  | 875.5  | 919.7  | 930.7  | 1067.2 | 1249.1 | 1340.2 | 1500.2 | 1820.3 | 2060.4 | 2096.3 |
| 132.5° | 858.8  | 903.0  | 947.2  | 958.2  | 1083.4 | 1250.5 | 1333.9 | 1477.2 | 1763.8 | 1978.8 | 2010.9 |
| 135°   | 899.7  | 939.9  | 980.2  | 990.2  | 1101.3 | 1249.3 | 1323.3 | 1443.3 | 1683.3 | 1863.3 | 1891.0 |
| 137.5° | 941.4  | 981.3  | 1021.2 | 1031.1 | 1128.0 | 1257.0 | 1321.5 | 1423.0 | 1625.9 | 1778.0 | 1800.7 |
| 140°   | 976.0  | 1012.7 | 1049.4 | 1058.6 | 1144.2 | 1258.3 | 1315.3 | 1403.0 | 1578.2 | 1709.6 | 1730.8 |
| 142.5° | 1002.7 | 1036.7 | 1070.6 | 1079.1 | 1157.8 | 1262.8 | 1315.3 | 1392.3 | 1546.2 | 1661.7 | 1679.9 |
| 145°   | 1043.5 | 1073.1 | 1102.7 | 1110.2 | 1175.6 | 1262.8 | 1306.4 | 1369.4 | 1495.3 | 1589.8 | 1603.6 |
| 147.5° | 1084.4 | 1113.2 | 1142.1 | 1149.2 | 1201.7 | 1271.5 | 1306.4 | 1356.0 | 1455.0 | 1529.3 | 1540.8 |
| 150°   | 1111.0 | 1137.1 | 1163.2 | 1169.7 | 1215.2 | 1276.1 | 1306.4 | 1348.3 | 1431.9 | 1494.7 | 1503.9 |
| 152.5° | 1138.6 | 1158.3 | 1178.0 | 1183.0 | 1224.1 | 1279.0 | 1306.4 | 1342.2 | 1413.6 | 1467.2 | 1474.1 |
| 155°   | 1179.4 | 1194.0 | 1208.6 | 1212.3 | 1243.7 | 1285.5 | 1306.4 | 1334.9 | 1391.7 | 1434.3 | 1439.0 |
| 157.5° | 1209.6 | 1223.8 | 1238.1 | 1241.6 | 1263.2 | 1292.0 | 1306.4 | 1328.5 | 1372.7 | 1405.9 | 1409.1 |
| 160°   | 1230.0 | 1241.1 | 1252.2 | 1255.0 | 1272.2 | 1295.0 | 1306.4 | 1325.3 | 1363.3 | 1391.7 | 1393.6 |
| 162.5° | 1250.5 | 1258.8 | 1267.0 | 1269.1 | 1281.5 | 1298.1 | 1306.4 | 1322.4 | 1354.4 | 1378.4 | 1380.2 |
| 165°   | 1272.7 | 1280.2 | 1287.6 | 1289.5 | 1295.2 | 1302.7 | 1306.4 | 1317.9 | 1340.7 | 1357.9 | 1359.8 |
| 167.5° | 1293.1 | 1296.6 | 1300.2 | 1301.1 | 1305.9 | 1312.2 | 1315.3 | 1322.8 | 1337.8 | 1349.0 | 1349.8 |
| 170°   | 1306.4 | 1310.0 | 1313.6 | 1314.5 | 1314.7 | 1315.1 | 1315.3 | 1322.8 | 1337.8 | 1349.0 | 1349.0 |
| 172.5° | 1313.5 | 1314.3 | 1315.1 | 1315.3 | 1315.3 | 1315.3 | 1315.3 | 1321.2 | 1333.1 | 1342.0 | 1341.3 |
| 175°   | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1320.7 | 1317.1 | 1315.3 | 1319.0 | 1326.6 | 1332.2 | 1332.2 |
| 177.5° | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1321.2 | 1318.5 | 1317.1 | 1320.1 | 1326.0 | 1330.4 | 1329.6 |
| 180°   | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 |



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CATALOG NUMBER: SQ4-FA-075U-050D-B40-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 |
| 2.5°   | 2082.9 | 2077.0 | 2082.9 | 2078.9 | 2080.8 | 2075.1 | 2057.8 | 2052.1 | 2057.8 | 2063.6 | 2063.6 |
| 5°     | 2107.8 | 2104.0 | 2107.8 | 2107.8 | 2105.9 | 2102.1 | 2082.9 | 2078.9 | 2082.9 | 2084.8 | 2080.8 |
| 7.5°   | 2115.5 | 2109.7 | 2115.5 | 2111.6 | 2111.6 | 2107.8 | 2088.6 | 2084.8 | 2086.7 | 2092.4 | 2086.7 |
| 10°    | 2115.5 | 2109.7 | 2115.5 | 2113.6 | 2111.6 | 2107.8 | 2088.6 | 2080.8 | 2080.8 | 2086.7 | 2080.8 |
| 12.5°  | 2105.9 | 2102.1 | 2105.9 | 2102.1 | 2102.1 | 2098.2 | 2078.9 | 2071.3 | 2073.2 | 2075.1 | 2067.5 |
| 15°    | 2090.5 | 2084.8 | 2090.5 | 2086.7 | 2088.6 | 2082.9 | 2061.7 | 2054.0 | 2054.0 | 2057.8 | 2044.4 |
| 17.5°  | 2067.5 | 2059.7 | 2067.5 | 2065.6 | 2063.6 | 2059.7 | 2040.5 | 2032.9 | 2030.9 | 2032.9 | 2023.3 |
| 20°    | 2040.5 | 2034.8 | 2040.5 | 2038.6 | 2038.6 | 2030.9 | 2011.7 | 2002.2 | 2002.2 | 2002.2 | 1992.5 |
| 22.5°  | 1998.2 | 1992.5 | 1998.2 | 2002.2 | 2002.2 | 2000.2 | 1982.9 | 1969.5 | 1965.6 | 1965.6 | 1954.1 |
| 25°    | 1950.2 | 1944.5 | 1950.2 | 1950.2 | 1948.3 | 1950.2 | 1944.5 | 1936.8 | 1931.0 | 1925.3 | 1913.7 |
| 27.5°  | 1904.1 | 1900.3 | 1904.1 | 1900.3 | 1904.1 | 1898.3 | 1896.4 | 1894.5 | 1886.8 | 1881.1 | 1865.7 |
| 30°    | 1858.0 | 1854.1 | 1858.0 | 1854.1 | 1850.3 | 1846.5 | 1836.8 | 1833.0 | 1840.8 | 1836.8 | 1811.9 |
| 32.5°  | 1800.4 | 1796.5 | 1800.4 | 1800.4 | 1796.5 | 1796.5 | 1781.2 | 1775.3 | 1777.4 | 1788.8 | 1765.8 |
| 35°    | 1740.8 | 1735.0 | 1740.8 | 1738.9 | 1740.8 | 1735.0 | 1725.4 | 1723.5 | 1715.8 | 1729.3 | 1712.0 |
| 37.5°  | 1671.6 | 1665.9 | 1671.6 | 1671.6 | 1671.6 | 1675.5 | 1667.8 | 1662.0 | 1650.5 | 1667.8 | 1654.3 |
| 40°    | 1600.6 | 1592.8 | 1600.6 | 1598.6 | 1600.6 | 1604.4 | 1600.6 | 1596.7 | 1585.2 | 1598.6 | 1587.1 |
| 42.5°  | 1519.9 | 1517.9 | 1519.9 | 1521.8 | 1521.8 | 1529.4 | 1535.3 | 1527.5 | 1523.7 | 1514.1 | 1521.8 |
| 45°    | 1433.4 | 1429.5 | 1433.4 | 1437.2 | 1439.2 | 1443.0 | 1460.3 | 1460.3 | 1454.6 | 1439.2 | 1450.6 |
| 47.5°  | 1341.1 | 1331.6 | 1341.1 | 1352.7 | 1352.7 | 1358.5 | 1375.8 | 1389.1 | 1379.6 | 1360.4 | 1366.1 |
| 50°    | 1243.1 | 1245.0 | 1243.1 | 1250.9 | 1250.9 | 1272.0 | 1285.4 | 1298.9 | 1308.4 | 1285.4 | 1258.5 |
| 52.5°  | 1147.1 | 1145.1 | 1147.1 | 1152.9 | 1160.5 | 1170.2 | 1193.2 | 1206.6 | 1222.0 | 1208.6 | 1166.3 |
| 55°    | 1051.0 | 1054.9 | 1051.0 | 1053.0 | 1056.8 | 1062.5 | 1097.1 | 1110.6 | 1139.4 | 1122.1 | 1077.9 |
| 57.5°  | 954.9  | 949.2  | 954.9  | 958.8  | 960.7  | 966.5  | 995.3  | 1020.2 | 1037.6 | 1039.5 | 985.7  |
| 60°    | 843.5  | 835.8  | 843.5  | 860.8  | 864.7  | 868.5  | 895.4  | 918.4  | 933.8  | 939.5  | 883.9  |
| 62.5°  | 745.5  | 732.1  | 745.5  | 757.0  | 764.8  | 774.3  | 793.5  | 828.2  | 841.5  | 843.5  | 764.8  |
| 65°    | 641.8  | 636.0  | 641.8  | 664.8  | 666.7  | 678.2  | 699.4  | 724.4  | 753.2  | 749.4  | 636.0  |
| 67.5°  | 547.6  | 547.6  | 547.6  | 563.0  | 574.5  | 580.3  | 607.2  | 618.7  | 655.2  | 659.0  | 530.3  |
| 70°    | 461.2  | 459.3  | 461.2  | 472.6  | 480.4  | 493.8  | 518.8  | 532.2  | 561.1  | 570.7  | 430.4  |
| 72.5°  | 378.6  | 376.6  | 378.6  | 388.1  | 395.8  | 407.3  | 428.5  | 443.9  | 468.8  | 480.4  | 334.3  |
| 75°    | 305.5  | 301.7  | 305.5  | 313.1  | 311.2  | 326.6  | 343.9  | 359.3  | 382.4  | 390.0  | 247.8  |
| 77.5°  | 234.5  | 234.5  | 234.5  | 242.1  | 242.1  | 257.5  | 265.2  | 284.4  | 297.9  | 309.3  | 182.5  |
| 80°    | 174.9  | 173.0  | 174.9  | 176.8  | 176.8  | 184.4  | 197.9  | 211.3  | 222.9  | 222.9  | 124.9  |
| 82.5°  | 123.0  | 119.1  | 123.0  | 123.0  | 123.0  | 126.8  | 134.5  | 138.4  | 146.0  | 151.7  | 78.8   |
| 85°    | 76.9   | 76.9   | 76.9   | 78.8   | 76.9   | 80.7   | 82.6   | 86.4   | 86.4   | 82.6   | 48.0   |
| 87.5°  | 49.9   | 48.0   | 49.9   | 48.0   | 48.0   | 46.1   | 46.1   | 46.1   | 44.2   | 42.3   | 26.9   |
| 90°    | 33.7   | 33.7   | 33.7   | 33.7   | 33.7   | 45.0   | 60.0   | 67.5   | 58.1   | 39.1   | 24.8   |
| 92.5°  | 135.2  | 108.4  | 135.2  | 162.1  | 168.7  | 239.2  | 333.1  | 380.1  | 333.7  | 240.9  | 171.4  |
| 95°    | 471.2  | 389.9  | 471.2  | 552.5  | 572.8  | 752.3  | 991.5  | 1111.0 | 938.4  | 593.0  | 334.0  |
| 97.5°  | 1129.0 | 974.3  | 1129.0 | 1283.7 | 1322.4 | 1435.7 | 1586.9 | 1662.6 | 1374.6 | 798.8  | 366.8  |
| 100°   | 1626.7 | 1442.3 | 1626.7 | 1811.0 | 1857.1 | 1848.8 | 1837.7 | 1832.2 | 1512.6 | 873.6  | 394.3  |
| 102.5° | 2116.2 | 1958.3 | 2116.2 | 2274.1 | 2313.6 | 2169.1 | 1976.5 | 1880.2 | 1556.1 | 907.9  | 421.8  |
| 105°   | 2740.4 | 2655.5 | 2740.4 | 2825.3 | 2846.5 | 2522.6 | 2090.8 | 1874.9 | 1561.0 | 933.4  | 462.7  |
| 107.5° | 3149.2 | 3169.7 | 3149.2 | 3128.7 | 3123.5 | 2671.8 | 2069.5 | 1768.3 | 1491.6 | 938.2  | 523.1  |
| 110°   | 3305.1 | 3393.5 | 3305.1 | 3216.6 | 3194.6 | 2689.6 | 2016.2 | 1679.5 | 1430.0 | 931.0  | 556.9  |





TEST NUMBER: P934701

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**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 3319.0 | 3454.8 | 3319.0 | 3183.2 | 3149.3 | 2632.5 | 1943.2 | 1598.7 | 1376.3 | 931.4  | 597.7  |
| 115°   | 3231.0 | 3419.3 | 3231.0 | 3042.7 | 2995.6 | 2497.7 | 1833.8 | 1501.8 | 1314.6 | 939.9  | 658.9  |
| 117.5° | 3044.3 | 3253.2 | 3044.3 | 2835.6 | 2783.3 | 2333.9 | 1734.8 | 1435.2 | 1275.9 | 957.4  | 718.4  |
| 120°   | 2894.0 | 3096.9 | 2894.0 | 2691.1 | 2640.4 | 2229.7 | 1682.2 | 1408.5 | 1262.9 | 971.6  | 753.1  |
| 122.5° | 2747.5 | 2947.7 | 2747.5 | 2547.5 | 2497.4 | 2127.6 | 1634.6 | 1388.1 | 1256.1 | 992.1  | 794.0  |
| 125°   | 2538.7 | 2723.0 | 2538.7 | 2354.4 | 2308.2 | 1994.1 | 1575.4 | 1365.9 | 1250.5 | 1019.6 | 846.4  |
| 127.5° | 2350.8 | 2506.3 | 2350.8 | 2195.3 | 2156.4 | 1886.7 | 1527.1 | 1347.3 | 1247.2 | 1047.2 | 897.0  |
| 130°   | 2240.0 | 2383.8 | 2240.0 | 2096.3 | 2060.4 | 1820.3 | 1500.2 | 1340.2 | 1249.1 | 1067.2 | 930.7  |
| 132.5° | 2139.6 | 2268.3 | 2139.6 | 2010.9 | 1978.8 | 1763.8 | 1477.2 | 1333.9 | 1250.5 | 1083.4 | 958.2  |
| 135°   | 2002.0 | 2112.8 | 2002.0 | 1891.0 | 1863.3 | 1683.3 | 1443.3 | 1323.3 | 1249.3 | 1101.3 | 990.2  |
| 137.5° | 1891.5 | 1982.3 | 1891.5 | 1800.7 | 1778.0 | 1625.9 | 1423.0 | 1321.5 | 1257.0 | 1128.0 | 1031.1 |
| 140°   | 1815.7 | 1900.5 | 1815.7 | 1730.8 | 1709.6 | 1578.2 | 1403.0 | 1315.3 | 1258.3 | 1144.2 | 1058.6 |
| 142.5° | 1753.0 | 1826.0 | 1753.0 | 1679.9 | 1661.7 | 1546.2 | 1392.3 | 1315.3 | 1262.8 | 1157.8 | 1079.1 |
| 145°   | 1658.8 | 1714.0 | 1658.8 | 1603.6 | 1589.8 | 1495.3 | 1369.4 | 1306.4 | 1262.8 | 1175.6 | 1110.2 |
| 147.5° | 1586.5 | 1632.4 | 1586.5 | 1540.8 | 1529.3 | 1455.0 | 1356.0 | 1306.4 | 1271.5 | 1201.7 | 1149.2 |
| 150°   | 1541.1 | 1578.2 | 1541.1 | 1503.9 | 1494.7 | 1431.9 | 1348.3 | 1306.4 | 1276.1 | 1215.2 | 1169.7 |
| 152.5° | 1502.2 | 1530.2 | 1502.2 | 1474.1 | 1467.2 | 1413.6 | 1342.2 | 1306.4 | 1279.0 | 1224.1 | 1183.0 |
| 155°   | 1457.5 | 1476.0 | 1457.5 | 1439.0 | 1434.3 | 1391.7 | 1334.9 | 1306.4 | 1285.5 | 1243.7 | 1212.3 |
| 157.5° | 1422.2 | 1435.2 | 1422.2 | 1409.1 | 1405.9 | 1372.7 | 1328.5 | 1306.4 | 1292.0 | 1263.2 | 1241.6 |
| 160°   | 1401.1 | 1408.5 | 1401.1 | 1393.6 | 1391.7 | 1363.3 | 1325.3 | 1306.4 | 1295.0 | 1272.2 | 1255.0 |
| 162.5° | 1387.2 | 1394.4 | 1387.2 | 1380.2 | 1378.4 | 1354.4 | 1322.4 | 1306.4 | 1298.1 | 1281.5 | 1269.1 |
| 165°   | 1367.3 | 1374.8 | 1367.3 | 1359.8 | 1357.9 | 1340.7 | 1317.9 | 1306.4 | 1302.7 | 1295.2 | 1289.5 |
| 167.5° | 1353.0 | 1356.2 | 1353.0 | 1349.8 | 1349.0 | 1337.8 | 1322.8 | 1315.3 | 1312.2 | 1305.9 | 1301.1 |
| 170°   | 1349.0 | 1349.0 | 1349.0 | 1349.0 | 1349.0 | 1337.8 | 1322.8 | 1315.3 | 1315.1 | 1314.7 | 1314.5 |
| 172.5° | 1338.5 | 1335.8 | 1338.5 | 1341.3 | 1342.0 | 1333.1 | 1321.2 | 1315.3 | 1315.3 | 1315.3 | 1315.3 |
| 175°   | 1332.2 | 1332.2 | 1332.2 | 1332.2 | 1332.2 | 1326.6 | 1319.0 | 1315.3 | 1317.1 | 1320.7 | 1323.3 |
| 177.5° | 1326.5 | 1323.3 | 1326.5 | 1329.6 | 1330.4 | 1326.0 | 1320.1 | 1317.1 | 1318.5 | 1321.2 | 1323.3 |
| 180°   | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 |



TEST NUMBER: P934701

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**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 |
| 2.5°   | 2059.7 | 2048.2 | 2048.2 | 2029.0 | 2021.4 | 2015.5 | 2006.0 | 1977.1 | 1969.5 | 1961.8 | 1973.3 |
| 5°     | 2077.0 | 2055.9 | 2040.5 | 2006.0 | 1977.1 | 1965.6 | 1929.1 | 1860.0 | 1813.8 | 1779.3 | 1760.1 |
| 7.5°   | 2080.8 | 2054.0 | 2025.2 | 1971.4 | 1902.2 | 1871.4 | 1760.1 | 1633.2 | 1598.6 | 1567.9 | 1548.6 |
| 10°    | 2077.0 | 2046.3 | 2006.0 | 1925.3 | 1762.0 | 1708.1 | 1596.7 | 1514.1 | 1493.0 | 1487.2 | 1493.0 |
| 12.5°  | 2063.6 | 2034.8 | 1979.0 | 1844.6 | 1616.0 | 1579.4 | 1514.1 | 1466.0 | 1462.2 | 1471.8 | 1523.7 |
| 15°    | 2040.5 | 2013.6 | 1948.3 | 1737.0 | 1535.3 | 1508.3 | 1462.2 | 1444.9 | 1466.0 | 1533.3 | 1688.9 |
| 17.5°  | 2017.5 | 1986.8 | 1906.1 | 1631.3 | 1473.8 | 1454.6 | 1421.8 | 1456.5 | 1575.6 | 1665.9 | 1717.8 |
| 20°    | 1986.8 | 1950.2 | 1858.0 | 1554.5 | 1429.5 | 1412.3 | 1396.9 | 1552.5 | 1642.8 | 1675.5 | 1704.3 |
| 22.5°  | 1950.2 | 1911.8 | 1792.7 | 1500.6 | 1383.4 | 1369.9 | 1379.6 | 1606.3 | 1642.8 | 1665.9 | 1690.8 |
| 25°    | 1902.2 | 1869.5 | 1715.8 | 1458.4 | 1346.9 | 1331.6 | 1368.0 | 1600.6 | 1621.7 | 1627.4 | 1677.4 |
| 27.5°  | 1858.0 | 1815.7 | 1635.2 | 1419.9 | 1302.7 | 1297.0 | 1377.7 | 1575.6 | 1590.9 | 1596.7 | 1650.5 |
| 30°    | 1804.2 | 1740.8 | 1544.8 | 1379.6 | 1256.6 | 1254.7 | 1379.6 | 1544.8 | 1541.0 | 1556.4 | 1610.1 |
| 32.5°  | 1748.5 | 1629.3 | 1443.0 | 1329.6 | 1212.4 | 1210.5 | 1366.1 | 1498.7 | 1494.9 | 1516.0 | 1556.4 |
| 35°    | 1696.7 | 1542.9 | 1304.6 | 1272.0 | 1156.7 | 1158.6 | 1333.5 | 1444.9 | 1446.8 | 1466.0 | 1491.0 |
| 37.5°  | 1642.8 | 1467.9 | 1152.9 | 1208.6 | 1102.9 | 1102.9 | 1289.2 | 1395.0 | 1391.1 | 1396.9 | 1431.4 |
| 40°    | 1579.4 | 1350.8 | 1018.3 | 1125.9 | 1053.0 | 1047.2 | 1235.5 | 1341.1 | 1327.7 | 1325.8 | 1373.8 |
| 42.5°  | 1512.1 | 1222.0 | 918.4  | 1016.4 | 995.3  | 987.6  | 1170.2 | 1275.8 | 1250.9 | 1256.6 | 1318.1 |
| 45°    | 1439.2 | 1187.4 | 841.5  | 858.8  | 935.7  | 930.0  | 1099.0 | 1200.9 | 1183.6 | 1199.0 | 1262.4 |
| 47.5°  | 1366.1 | 1118.3 | 816.6  | 712.8  | 872.3  | 870.4  | 1020.2 | 1127.9 | 1118.3 | 1133.7 | 1200.9 |
| 50°    | 1266.2 | 1041.4 | 814.7  | 611.0  | 801.2  | 808.9  | 926.2  | 1056.8 | 1056.8 | 1070.3 | 1141.3 |
| 52.5°  | 1137.5 | 947.3  | 739.7  | 553.3  | 718.6  | 741.7  | 843.5  | 995.3  | 999.1  | 1012.6 | 1076.0 |
| 55°    | 1020.2 | 849.3  | 686.0  | 509.2  | 620.7  | 670.6  | 762.8  | 931.9  | 939.5  | 953.0  | 1010.7 |
| 57.5°  | 912.7  | 707.1  | 674.4  | 457.3  | 530.3  | 578.3  | 691.7  | 870.4  | 874.2  | 885.8  | 941.5  |
| 60°    | 797.4  | 511.1  | 618.7  | 401.6  | 451.5  | 488.0  | 626.4  | 797.4  | 810.8  | 818.5  | 866.6  |
| 62.5°  | 666.7  | 370.8  | 561.1  | 363.2  | 413.1  | 420.8  | 572.6  | 728.2  | 745.5  | 751.3  | 780.1  |
| 65°    | 474.6  | 311.2  | 476.5  | 330.5  | 372.7  | 374.6  | 514.9  | 657.1  | 672.5  | 682.1  | 703.3  |
| 67.5°  | 320.9  | 253.6  | 363.2  | 299.8  | 342.0  | 343.9  | 459.3  | 574.5  | 595.6  | 603.4  | 616.7  |
| 70°    | 222.9  | 169.1  | 269.0  | 267.1  | 307.4  | 311.2  | 399.7  | 499.6  | 518.8  | 524.6  | 532.2  |
| 72.5°  | 163.3  | 136.4  | 222.9  | 240.2  | 270.9  | 274.8  | 338.2  | 415.0  | 434.2  | 440.0  | 443.9  |
| 75°    | 124.9  | 144.1  | 180.6  | 209.4  | 230.5  | 232.4  | 276.7  | 338.2  | 351.6  | 355.5  | 357.4  |
| 77.5°  | 99.9   | 134.5  | 132.6  | 169.1  | 188.3  | 184.4  | 217.2  | 261.3  | 272.8  | 272.8  | 272.8  |
| 80°    | 75.0   | 105.7  | 99.9   | 121.1  | 138.4  | 134.5  | 155.7  | 186.4  | 190.2  | 194.1  | 192.1  |
| 82.5°  | 55.7   | 67.2   | 67.2   | 76.9   | 92.3   | 88.4   | 103.7  | 121.1  | 121.1  | 121.1  | 124.9  |
| 85°    | 34.6   | 38.4   | 30.8   | 40.4   | 51.9   | 49.9   | 57.7   | 65.3   | 67.2   | 67.2   | 63.4   |
| 87.5°  | 21.1   | 17.3   | 9.6    | 15.4   | 23.0   | 23.0   | 26.9   | 28.8   | 26.9   | 26.9   | 26.9   |
| 90°    | 23.0   | 15.9   | 8.9    | 15.9   | 23.0   | 24.8   | 39.1   | 58.1   | 67.5   | 60.0   | 45.0   |
| 92.5°  | 156.3  | 95.9   | 35.5   | 95.9   | 156.3  | 171.4  | 240.9  | 333.7  | 380.1  | 333.1  | 239.2  |
| 95°    | 306.4  | 195.8  | 85.3   | 195.8  | 306.4  | 334.0  | 593.0  | 938.4  | 1111.0 | 991.5  | 752.3  |
| 97.5°  | 342.5  | 245.0  | 147.5  | 245.0  | 342.5  | 366.8  | 798.8  | 1374.6 | 1662.6 | 1586.9 | 1435.7 |
| 100°   | 372.3  | 283.8  | 195.4  | 283.8  | 372.3  | 394.3  | 873.6  | 1512.6 | 1832.2 | 1837.7 | 1848.8 |
| 102.5° | 401.2  | 318.8  | 236.3  | 318.8  | 401.2  | 421.8  | 907.9  | 1556.1 | 1880.2 | 1976.5 | 2169.1 |
| 105°   | 445.2  | 375.4  | 305.5  | 375.4  | 445.2  | 462.7  | 933.4  | 1561.0 | 1874.9 | 2090.8 | 2522.6 |
| 107.5° | 506.8  | 441.7  | 376.6  | 441.7  | 506.8  | 523.1  | 938.2  | 1491.6 | 1768.3 | 2069.5 | 2671.8 |
| 110°   | 542.2  | 483.3  | 424.5  | 483.3  | 542.2  | 556.9  | 931.0  | 1430.0 | 1679.5 | 2016.2 | 2689.6 |



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**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 583.7  | 527.6  | 471.6  | 527.6  | 583.7  | 597.7  | 931.4  | 1376.3 | 1598.7 | 1943.2 | 2632.5 |
| 115°   | 646.1  | 594.3  | 542.6  | 594.3  | 646.1  | 658.9  | 939.9  | 1314.6 | 1501.8 | 1833.8 | 2497.7 |
| 117.5° | 706.7  | 659.8  | 612.8  | 659.8  | 706.7  | 718.4  | 957.4  | 1275.9 | 1435.2 | 1734.8 | 2333.9 |
| 120°   | 742.0  | 697.9  | 653.7  | 697.9  | 742.0  | 753.1  | 971.6  | 1262.9 | 1408.5 | 1682.2 | 2229.7 |
| 122.5° | 782.8  | 738.2  | 693.6  | 738.2  | 782.8  | 794.0  | 992.1  | 1256.1 | 1388.1 | 1634.6 | 2127.6 |
| 125°   | 836.3  | 795.6  | 754.9  | 795.6  | 836.3  | 846.4  | 1019.6 | 1250.5 | 1365.9 | 1575.4 | 1994.1 |
| 127.5° | 886.8  | 845.7  | 804.7  | 845.7  | 886.8  | 897.0  | 1047.2 | 1247.2 | 1347.3 | 1527.1 | 1886.7 |
| 130°   | 919.7  | 875.5  | 831.3  | 875.5  | 919.7  | 930.7  | 1067.2 | 1249.1 | 1340.2 | 1500.2 | 1820.3 |
| 132.5° | 947.2  | 903.0  | 858.8  | 903.0  | 947.2  | 958.2  | 1083.4 | 1250.5 | 1333.9 | 1477.2 | 1763.8 |
| 135°   | 980.2  | 939.9  | 899.7  | 939.9  | 980.2  | 990.2  | 1101.3 | 1249.3 | 1323.3 | 1443.3 | 1683.3 |
| 137.5° | 1021.2 | 981.3  | 941.4  | 981.3  | 1021.2 | 1031.1 | 1128.0 | 1257.0 | 1321.5 | 1423.0 | 1625.9 |
| 140°   | 1049.4 | 1012.7 | 976.0  | 1012.7 | 1049.4 | 1058.6 | 1144.2 | 1258.3 | 1315.3 | 1403.0 | 1578.2 |
| 142.5° | 1070.6 | 1036.7 | 1002.7 | 1036.7 | 1070.6 | 1079.1 | 1157.8 | 1262.8 | 1315.3 | 1392.3 | 1546.2 |
| 145°   | 1102.7 | 1073.1 | 1043.5 | 1073.1 | 1102.7 | 1110.2 | 1175.6 | 1262.8 | 1306.4 | 1369.4 | 1495.3 |
| 147.5° | 1142.1 | 1113.2 | 1084.4 | 1113.2 | 1142.1 | 1149.2 | 1201.7 | 1271.5 | 1306.4 | 1356.0 | 1455.0 |
| 150°   | 1163.2 | 1137.1 | 1111.0 | 1137.1 | 1163.2 | 1169.7 | 1215.2 | 1276.1 | 1306.4 | 1348.3 | 1431.9 |
| 152.5° | 1178.0 | 1158.3 | 1138.6 | 1158.3 | 1178.0 | 1183.0 | 1224.1 | 1279.0 | 1306.4 | 1342.2 | 1413.6 |
| 155°   | 1208.6 | 1194.0 | 1179.4 | 1194.0 | 1208.6 | 1212.3 | 1243.7 | 1285.5 | 1306.4 | 1334.9 | 1391.7 |
| 157.5° | 1238.1 | 1223.8 | 1209.6 | 1223.8 | 1238.1 | 1241.6 | 1263.2 | 1292.0 | 1306.4 | 1328.5 | 1372.7 |
| 160°   | 1252.2 | 1241.1 | 1230.0 | 1241.1 | 1252.2 | 1255.0 | 1272.2 | 1295.0 | 1306.4 | 1325.3 | 1363.3 |
| 162.5° | 1267.0 | 1258.8 | 1250.5 | 1258.8 | 1267.0 | 1269.1 | 1281.5 | 1298.1 | 1306.4 | 1322.4 | 1354.4 |
| 165°   | 1287.6 | 1280.2 | 1272.7 | 1280.2 | 1287.6 | 1289.5 | 1295.2 | 1302.7 | 1306.4 | 1317.9 | 1340.7 |
| 167.5° | 1300.2 | 1296.6 | 1293.1 | 1296.6 | 1300.2 | 1301.1 | 1305.9 | 1312.2 | 1315.3 | 1322.8 | 1337.8 |
| 170°   | 1313.6 | 1310.0 | 1306.4 | 1310.0 | 1313.6 | 1314.5 | 1314.7 | 1315.1 | 1315.3 | 1322.8 | 1337.8 |
| 172.5° | 1315.1 | 1314.3 | 1313.5 | 1314.3 | 1315.1 | 1315.3 | 1315.3 | 1315.3 | 1315.3 | 1321.2 | 1333.1 |
| 175°   | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1320.7 | 1317.1 | 1315.3 | 1319.0 | 1326.6 |
| 177.5° | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1321.2 | 1318.5 | 1317.1 | 1320.1 | 1326.0 |
| 180°   | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 |



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**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 |
| 2.5°   | 1959.9 | 1954.1 | 1961.8 | 1940.7 | 1961.8 | 1954.1 | 1959.9 | 1973.3 | 1961.8 | 1969.5 | 1977.1 |
| 5°     | 1719.7 | 1710.0 | 1679.4 | 1654.3 | 1679.4 | 1710.0 | 1719.7 | 1760.1 | 1779.3 | 1813.8 | 1860.0 |
| 7.5°   | 1537.2 | 1529.4 | 1521.8 | 1506.4 | 1521.8 | 1529.4 | 1537.2 | 1548.6 | 1567.9 | 1598.6 | 1633.2 |
| 10°    | 1496.8 | 1498.7 | 1510.2 | 1508.3 | 1510.2 | 1498.7 | 1496.8 | 1493.0 | 1487.2 | 1493.0 | 1514.1 |
| 12.5°  | 1600.6 | 1617.9 | 1681.3 | 1677.4 | 1681.3 | 1617.9 | 1600.6 | 1523.7 | 1471.8 | 1462.2 | 1466.0 |
| 15°    | 1719.7 | 1725.4 | 1738.9 | 1740.8 | 1738.9 | 1725.4 | 1719.7 | 1688.9 | 1533.3 | 1466.0 | 1444.9 |
| 17.5°  | 1731.2 | 1733.1 | 1742.7 | 1742.7 | 1742.7 | 1733.1 | 1731.2 | 1717.8 | 1665.9 | 1575.6 | 1456.5 |
| 20°    | 1721.6 | 1725.4 | 1744.7 | 1748.5 | 1744.7 | 1725.4 | 1721.6 | 1704.3 | 1675.5 | 1642.8 | 1552.5 |
| 22.5°  | 1717.8 | 1725.4 | 1740.8 | 1738.9 | 1740.8 | 1725.4 | 1717.8 | 1690.8 | 1665.9 | 1642.8 | 1606.3 |
| 25°    | 1698.6 | 1698.6 | 1700.5 | 1702.4 | 1700.5 | 1698.6 | 1698.6 | 1677.4 | 1627.4 | 1621.7 | 1600.6 |
| 27.5°  | 1658.2 | 1662.0 | 1673.5 | 1671.6 | 1673.5 | 1662.0 | 1658.2 | 1650.5 | 1596.7 | 1590.9 | 1575.6 |
| 30°    | 1621.7 | 1617.9 | 1608.2 | 1600.6 | 1608.2 | 1617.9 | 1621.7 | 1610.1 | 1556.4 | 1541.0 | 1544.8 |
| 32.5°  | 1560.2 | 1550.5 | 1541.0 | 1535.3 | 1541.0 | 1550.5 | 1560.2 | 1556.4 | 1516.0 | 1494.9 | 1498.7 |
| 35°    | 1487.2 | 1489.1 | 1487.2 | 1481.4 | 1487.2 | 1489.1 | 1487.2 | 1491.0 | 1466.0 | 1446.8 | 1444.9 |
| 37.5°  | 1435.3 | 1439.2 | 1437.2 | 1429.5 | 1437.2 | 1439.2 | 1435.3 | 1431.4 | 1396.9 | 1391.1 | 1395.0 |
| 40°    | 1381.5 | 1383.4 | 1381.5 | 1375.8 | 1381.5 | 1383.4 | 1381.5 | 1373.8 | 1325.8 | 1327.7 | 1341.1 |
| 42.5°  | 1329.6 | 1327.7 | 1321.9 | 1318.1 | 1321.9 | 1327.7 | 1329.6 | 1318.1 | 1256.6 | 1250.9 | 1275.8 |
| 45°    | 1270.1 | 1272.0 | 1260.4 | 1254.7 | 1260.4 | 1272.0 | 1270.1 | 1262.4 | 1199.0 | 1183.6 | 1200.9 |
| 47.5°  | 1210.5 | 1210.5 | 1200.9 | 1195.1 | 1200.9 | 1210.5 | 1210.5 | 1200.9 | 1133.7 | 1118.3 | 1127.9 |
| 50°    | 1147.1 | 1145.1 | 1131.7 | 1129.8 | 1131.7 | 1145.1 | 1147.1 | 1141.3 | 1070.3 | 1056.8 | 1056.8 |
| 52.5°  | 1074.1 | 1074.1 | 1076.0 | 1079.8 | 1076.0 | 1074.1 | 1074.1 | 1076.0 | 1012.6 | 999.1  | 995.3  |
| 55°    | 1010.7 | 1012.6 | 1026.1 | 1029.9 | 1026.1 | 1012.6 | 1010.7 | 1010.7 | 953.0  | 939.5  | 931.9  |
| 57.5°  | 945.4  | 945.4  | 954.9  | 954.9  | 954.9  | 945.4  | 945.4  | 941.5  | 885.8  | 874.2  | 870.4  |
| 60°    | 870.4  | 874.2  | 881.9  | 880.0  | 881.9  | 874.2  | 870.4  | 866.6  | 818.5  | 810.8  | 797.4  |
| 62.5°  | 791.6  | 795.5  | 797.4  | 793.5  | 797.4  | 795.5  | 791.6  | 780.1  | 751.3  | 745.5  | 728.2  |
| 65°    | 709.0  | 712.8  | 714.7  | 710.9  | 714.7  | 712.8  | 709.0  | 703.3  | 682.1  | 672.5  | 657.1  |
| 67.5°  | 624.5  | 622.6  | 620.7  | 628.3  | 620.7  | 622.6  | 624.5  | 616.7  | 603.4  | 595.6  | 574.5  |
| 70°    | 538.0  | 538.0  | 536.0  | 540.0  | 536.0  | 538.0  | 538.0  | 532.2  | 524.6  | 518.8  | 499.6  |
| 72.5°  | 445.8  | 443.9  | 451.5  | 445.8  | 451.5  | 443.9  | 445.8  | 443.9  | 440.0  | 434.2  | 415.0  |
| 75°    | 355.5  | 359.3  | 355.5  | 361.2  | 355.5  | 359.3  | 355.5  | 357.4  | 355.5  | 351.6  | 338.2  |
| 77.5°  | 270.9  | 274.8  | 270.9  | 270.9  | 270.9  | 274.8  | 270.9  | 272.8  | 272.8  | 272.8  | 261.3  |
| 80°    | 192.1  | 190.2  | 190.2  | 188.3  | 190.2  | 190.2  | 192.1  | 192.1  | 194.1  | 190.2  | 186.4  |
| 82.5°  | 123.0  | 121.1  | 121.1  | 124.9  | 121.1  | 121.1  | 123.0  | 124.9  | 121.1  | 121.1  | 121.1  |
| 85°    | 67.2   | 69.1   | 65.3   | 65.3   | 65.3   | 69.1   | 67.2   | 63.4   | 67.2   | 67.2   | 65.3   |
| 87.5°  | 25.0   | 23.0   | 23.0   | 23.0   | 23.0   | 23.0   | 25.0   | 26.9   | 26.9   | 26.9   | 28.8   |
| 90°    | 33.7   | 33.7   | 33.7   | 33.7   | 33.7   | 33.7   | 33.7   | 45.0   | 60.0   | 67.5   | 58.1   |
| 92.5°  | 168.7  | 162.1  | 135.2  | 108.4  | 135.2  | 162.1  | 168.7  | 239.2  | 333.1  | 380.1  | 333.7  |
| 95°    | 572.8  | 552.5  | 471.2  | 389.9  | 471.2  | 552.5  | 572.8  | 752.3  | 991.5  | 1111.0 | 938.4  |
| 97.5°  | 1322.4 | 1283.7 | 1129.0 | 974.3  | 1129.0 | 1283.7 | 1322.4 | 1435.7 | 1586.9 | 1662.6 | 1374.6 |
| 100°   | 1857.1 | 1811.0 | 1626.7 | 1442.3 | 1626.7 | 1811.0 | 1857.1 | 1848.8 | 1837.7 | 1832.2 | 1512.6 |
| 102.5° | 2313.6 | 2274.1 | 2116.2 | 1958.3 | 2116.2 | 2274.1 | 2313.6 | 2169.1 | 1976.5 | 1880.2 | 1556.1 |
| 105°   | 2846.5 | 2825.3 | 2740.4 | 2655.5 | 2740.4 | 2825.3 | 2846.5 | 2522.6 | 2090.8 | 1874.9 | 1561.0 |
| 107.5° | 3123.5 | 3128.7 | 3149.2 | 3169.7 | 3149.2 | 3128.7 | 3123.5 | 2671.8 | 2069.5 | 1768.3 | 1491.6 |
| 110°   | 3194.6 | 3216.6 | 3305.1 | 3393.5 | 3305.1 | 3216.6 | 3194.6 | 2689.6 | 2016.2 | 1679.5 | 1430.0 |



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**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 3149.3 | 3183.2 | 3319.0 | 3454.8 | 3319.0 | 3183.2 | 3149.3 | 2632.5 | 1943.2 | 1598.7 | 1376.3 |
| 115°   | 2995.6 | 3042.7 | 3231.0 | 3419.3 | 3231.0 | 3042.7 | 2995.6 | 2497.7 | 1833.8 | 1501.8 | 1314.6 |
| 117.5° | 2783.3 | 2835.6 | 3044.3 | 3253.2 | 3044.3 | 2835.6 | 2783.3 | 2333.9 | 1734.8 | 1435.2 | 1275.9 |
| 120°   | 2640.4 | 2691.1 | 2894.0 | 3096.9 | 2894.0 | 2691.1 | 2640.4 | 2229.7 | 1682.2 | 1408.5 | 1262.9 |
| 122.5° | 2497.4 | 2547.5 | 2747.5 | 2947.7 | 2747.5 | 2547.5 | 2497.4 | 2127.6 | 1634.6 | 1388.1 | 1256.1 |
| 125°   | 2308.2 | 2354.4 | 2538.7 | 2723.0 | 2538.7 | 2354.4 | 2308.2 | 1994.1 | 1575.4 | 1365.9 | 1250.5 |
| 127.5° | 2156.4 | 2195.3 | 2350.8 | 2506.3 | 2350.8 | 2195.3 | 2156.4 | 1886.7 | 1527.1 | 1347.3 | 1247.2 |
| 130°   | 2060.4 | 2096.3 | 2240.0 | 2383.8 | 2240.0 | 2096.3 | 2060.4 | 1820.3 | 1500.2 | 1340.2 | 1249.1 |
| 132.5° | 1978.8 | 2010.9 | 2139.6 | 2268.3 | 2139.6 | 2010.9 | 1978.8 | 1763.8 | 1477.2 | 1333.9 | 1250.5 |
| 135°   | 1863.3 | 1891.0 | 2002.0 | 2112.8 | 2002.0 | 1891.0 | 1863.3 | 1683.3 | 1443.3 | 1323.3 | 1249.3 |
| 137.5° | 1778.0 | 1800.7 | 1891.5 | 1982.3 | 1891.5 | 1800.7 | 1778.0 | 1625.9 | 1423.0 | 1321.5 | 1257.0 |
| 140°   | 1709.6 | 1730.8 | 1815.7 | 1900.5 | 1815.7 | 1730.8 | 1709.6 | 1578.2 | 1403.0 | 1315.3 | 1258.3 |
| 142.5° | 1661.7 | 1679.9 | 1753.0 | 1826.0 | 1753.0 | 1679.9 | 1661.7 | 1546.2 | 1392.3 | 1315.3 | 1262.8 |
| 145°   | 1589.8 | 1603.6 | 1658.8 | 1714.0 | 1658.8 | 1603.6 | 1589.8 | 1495.3 | 1369.4 | 1306.4 | 1262.8 |
| 147.5° | 1529.3 | 1540.8 | 1586.5 | 1632.4 | 1586.5 | 1540.8 | 1529.3 | 1455.0 | 1356.0 | 1306.4 | 1271.5 |
| 150°   | 1494.7 | 1503.9 | 1541.1 | 1578.2 | 1541.1 | 1503.9 | 1494.7 | 1431.9 | 1348.3 | 1306.4 | 1276.1 |
| 152.5° | 1467.2 | 1474.1 | 1502.2 | 1530.2 | 1502.2 | 1474.1 | 1467.2 | 1413.6 | 1342.2 | 1306.4 | 1279.0 |
| 155°   | 1434.3 | 1439.0 | 1457.5 | 1476.0 | 1457.5 | 1439.0 | 1434.3 | 1391.7 | 1334.9 | 1306.4 | 1285.5 |
| 157.5° | 1405.9 | 1409.1 | 1422.2 | 1435.2 | 1422.2 | 1409.1 | 1405.9 | 1372.7 | 1328.5 | 1306.4 | 1292.0 |
| 160°   | 1391.7 | 1393.6 | 1401.1 | 1408.5 | 1401.1 | 1393.6 | 1391.7 | 1363.3 | 1325.3 | 1306.4 | 1295.0 |
| 162.5° | 1378.4 | 1380.2 | 1387.2 | 1394.4 | 1387.2 | 1380.2 | 1378.4 | 1354.4 | 1322.4 | 1306.4 | 1298.1 |
| 165°   | 1357.9 | 1359.8 | 1367.3 | 1374.8 | 1367.3 | 1359.8 | 1357.9 | 1340.7 | 1317.9 | 1306.4 | 1302.7 |
| 167.5° | 1349.0 | 1349.8 | 1353.0 | 1356.2 | 1353.0 | 1349.8 | 1349.0 | 1337.8 | 1322.8 | 1315.3 | 1312.2 |
| 170°   | 1349.0 | 1349.0 | 1349.0 | 1349.0 | 1349.0 | 1349.0 | 1349.0 | 1337.8 | 1322.8 | 1315.3 | 1315.1 |
| 172.5° | 1342.0 | 1341.3 | 1338.5 | 1335.8 | 1338.5 | 1341.3 | 1342.0 | 1333.1 | 1321.2 | 1315.3 | 1315.3 |
| 175°   | 1332.2 | 1332.2 | 1332.2 | 1332.2 | 1332.2 | 1332.2 | 1332.2 | 1326.6 | 1319.0 | 1315.3 | 1317.1 |
| 177.5° | 1330.4 | 1329.6 | 1326.5 | 1323.3 | 1326.5 | 1329.6 | 1330.4 | 1326.0 | 1320.1 | 1317.1 | 1318.5 |
| 180°   | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 |



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**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 0°     | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 |
| 2.5°   | 2006.0 | 2015.5 | 2021.4 | 2029.0 | 2048.2 |
| 5°     | 1929.1 | 1965.6 | 1977.1 | 2006.0 | 2040.5 |
| 7.5°   | 1760.1 | 1871.4 | 1902.2 | 1971.4 | 2025.2 |
| 10°    | 1596.7 | 1708.1 | 1762.0 | 1925.3 | 2006.0 |
| 12.5°  | 1514.1 | 1579.4 | 1616.0 | 1844.6 | 1979.0 |
| 15°    | 1462.2 | 1508.3 | 1535.3 | 1737.0 | 1948.3 |
| 17.5°  | 1421.8 | 1454.6 | 1473.8 | 1631.3 | 1906.1 |
| 20°    | 1396.9 | 1412.3 | 1429.5 | 1554.5 | 1858.0 |
| 22.5°  | 1379.6 | 1369.9 | 1383.4 | 1500.6 | 1792.7 |
| 25°    | 1368.0 | 1331.6 | 1346.9 | 1458.4 | 1715.8 |
| 27.5°  | 1377.7 | 1297.0 | 1302.7 | 1419.9 | 1635.2 |
| 30°    | 1379.6 | 1254.7 | 1256.6 | 1379.6 | 1544.8 |
| 32.5°  | 1366.1 | 1210.5 | 1212.4 | 1329.6 | 1443.0 |
| 35°    | 1333.5 | 1158.6 | 1156.7 | 1272.0 | 1304.6 |
| 37.5°  | 1289.2 | 1102.9 | 1102.9 | 1208.6 | 1152.9 |
| 40°    | 1235.5 | 1047.2 | 1053.0 | 1125.9 | 1018.3 |
| 42.5°  | 1170.2 | 987.6  | 995.3  | 1016.4 | 918.4  |
| 45°    | 1099.0 | 930.0  | 935.7  | 858.8  | 841.5  |
| 47.5°  | 1020.2 | 870.4  | 872.3  | 712.8  | 816.6  |
| 50°    | 926.2  | 808.9  | 801.2  | 611.0  | 814.7  |
| 52.5°  | 843.5  | 741.7  | 718.6  | 553.3  | 739.7  |
| 55°    | 762.8  | 670.6  | 620.7  | 509.2  | 686.0  |
| 57.5°  | 691.7  | 578.3  | 530.3  | 457.3  | 674.4  |
| 60°    | 626.4  | 488.0  | 451.5  | 401.6  | 618.7  |
| 62.5°  | 572.6  | 420.8  | 413.1  | 363.2  | 561.1  |
| 65°    | 514.9  | 374.6  | 372.7  | 330.5  | 476.5  |
| 67.5°  | 459.3  | 343.9  | 342.0  | 299.8  | 363.2  |
| 70°    | 399.7  | 311.2  | 307.4  | 267.1  | 269.0  |
| 72.5°  | 338.2  | 274.8  | 270.9  | 240.2  | 222.9  |
| 75°    | 276.7  | 232.4  | 230.5  | 209.4  | 180.6  |
| 77.5°  | 217.2  | 184.4  | 188.3  | 169.1  | 132.6  |
| 80°    | 155.7  | 134.5  | 138.4  | 121.1  | 99.9   |
| 82.5°  | 103.7  | 88.4   | 92.3   | 76.9   | 67.2   |
| 85°    | 57.7   | 49.9   | 51.9   | 40.4   | 30.8   |
| 87.5°  | 26.9   | 23.0   | 23.0   | 15.4   | 9.6    |
| 90°    | 39.1   | 24.8   | 23.0   | 15.9   | 8.9    |
| 92.5°  | 240.9  | 171.4  | 156.3  | 95.9   | 35.5   |
| 95°    | 593.0  | 334.0  | 306.4  | 195.8  | 85.3   |
| 97.5°  | 798.8  | 366.8  | 342.5  | 245.0  | 147.5  |
| 100°   | 873.6  | 394.3  | 372.3  | 283.8  | 195.4  |
| 102.5° | 907.9  | 421.8  | 401.2  | 318.8  | 236.3  |
| 105°   | 933.4  | 462.7  | 445.2  | 375.4  | 305.5  |
| 107.5° | 938.2  | 523.1  | 506.8  | 441.7  | 376.6  |
| 110°   | 931.0  | 556.9  | 542.2  | 483.3  | 424.5  |



TEST NUMBER: P934701  
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**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 931.4  | 597.7  | 583.7  | 527.6  | 471.6  |
| 115°   | 939.9  | 658.9  | 646.1  | 594.3  | 542.6  |
| 117.5° | 957.4  | 718.4  | 706.7  | 659.8  | 612.8  |
| 120°   | 971.6  | 753.1  | 742.0  | 697.9  | 653.7  |
| 122.5° | 992.1  | 794.0  | 782.8  | 738.2  | 693.6  |
| 125°   | 1019.6 | 846.4  | 836.3  | 795.6  | 754.9  |
| 127.5° | 1047.2 | 897.0  | 886.8  | 845.7  | 804.7  |
| 130°   | 1067.2 | 930.7  | 919.7  | 875.5  | 831.3  |
| 132.5° | 1083.4 | 958.2  | 947.2  | 903.0  | 858.8  |
| 135°   | 1101.3 | 990.2  | 980.2  | 939.9  | 899.7  |
| 137.5° | 1128.0 | 1031.1 | 1021.2 | 981.3  | 941.4  |
| 140°   | 1144.2 | 1058.6 | 1049.4 | 1012.7 | 976.0  |
| 142.5° | 1157.8 | 1079.1 | 1070.6 | 1036.7 | 1002.7 |
| 145°   | 1175.6 | 1110.2 | 1102.7 | 1073.1 | 1043.5 |
| 147.5° | 1201.7 | 1149.2 | 1142.1 | 1113.2 | 1084.4 |
| 150°   | 1215.2 | 1169.7 | 1163.2 | 1137.1 | 1111.0 |
| 152.5° | 1224.1 | 1183.0 | 1178.0 | 1158.3 | 1138.6 |
| 155°   | 1243.7 | 1212.3 | 1208.6 | 1194.0 | 1179.4 |
| 157.5° | 1263.2 | 1241.6 | 1238.1 | 1223.8 | 1209.6 |
| 160°   | 1272.2 | 1255.0 | 1252.2 | 1241.1 | 1230.0 |
| 162.5° | 1281.5 | 1269.1 | 1267.0 | 1258.8 | 1250.5 |
| 165°   | 1295.2 | 1289.5 | 1287.6 | 1280.2 | 1272.7 |
| 167.5° | 1305.9 | 1301.1 | 1300.2 | 1296.6 | 1293.1 |
| 170°   | 1314.7 | 1314.5 | 1313.6 | 1310.0 | 1306.4 |
| 172.5° | 1315.3 | 1315.3 | 1315.1 | 1314.3 | 1313.5 |
| 175°   | 1320.7 | 1323.3 | 1323.3 | 1323.3 | 1323.3 |
| 177.5° | 1321.2 | 1323.3 | 1323.3 | 1323.3 | 1323.3 |
| 180°   | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 |



TEST NUMBER: P934701  
 CATALOG NUMBER: SQ4-FA-075U-050D-B40-1D-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 | 9.98             | 10.74 | 11.03 | 11.80 | 13.23 | 12.83          | 13.60 | 13.89 | 14.65 | 16.08 |
|                 | 3H   | 10.45            | 11.13 | 11.51 | 12.20 | 13.65 | 14.18          | 14.86 | 15.24 | 15.93 | 17.38 |
|                 | 4H   | 10.64            | 11.28 | 11.71 | 12.35 | 13.81 | 14.62          | 15.27 | 15.69 | 16.34 | 17.79 |
|                 | 6H   | 10.75            | 11.35 | 11.83 | 12.42 | 13.89 | 14.91          | 15.50 | 15.99 | 16.57 | 18.04 |
|                 | 8H   | 10.75            | 11.32 | 11.84 | 12.40 | 13.87 | 14.98          | 15.55 | 16.07 | 16.64 | 18.10 |
|                 | 12H  | 10.72            | 11.25 | 11.81 | 12.34 | 13.82 | 15.02          | 15.56 | 16.11 | 16.64 | 18.13 |
| 4H              | 2H   | 11.01            | 11.65 | 12.09 | 12.72 | 14.18 | 13.23          | 13.88 | 14.31 | 14.94 | 16.40 |
|                 | 3H   | 12.02            | 12.56 | 13.11 | 13.66 | 15.13 | 14.73          | 15.27 | 15.82 | 16.37 | 17.84 |
|                 | 4H   | 12.30            | 12.79 | 13.39 | 13.88 | 15.37 | 15.26          | 15.75 | 16.35 | 16.84 | 18.33 |
|                 | 6H   | 12.42            | 12.84 | 13.52 | 13.95 | 15.43 | 15.62          | 16.05 | 16.73 | 17.16 | 18.64 |
|                 | 8H   | 12.42            | 12.82 | 13.52 | 13.92 | 15.42 | 15.73          | 16.13 | 16.83 | 17.23 | 18.73 |
|                 | 12H  | 12.38            | 12.74 | 13.50 | 13.85 | 15.36 | 15.79          | 16.15 | 16.91 | 17.26 | 18.77 |
| 8H              | 4H   | 12.74            | 13.14 | 13.85 | 14.24 | 15.74 | 15.38          | 15.77 | 16.48 | 16.87 | 18.37 |
|                 | 6H   | 13.00            | 13.33 | 14.13 | 14.47 | 15.97 | 15.81          | 16.14 | 16.94 | 17.28 | 18.78 |
|                 | 8H   | 13.04            | 13.33 | 14.17 | 14.45 | 15.97 | 15.97          | 16.25 | 17.10 | 17.38 | 18.90 |
|                 | 12H  | 13.02            | 13.28 | 14.16 | 14.40 | 15.95 | 16.07          | 16.32 | 17.20 | 17.44 | 18.99 |
| 12H             | 4H   | 12.75            | 13.11 | 13.87 | 14.22 | 15.73 | 15.33          | 15.69 | 16.45 | 16.81 | 18.31 |
|                 | 6H   | 13.06            | 13.35 | 14.19 | 14.47 | 15.99 | 15.81          | 16.10 | 16.94 | 17.22 | 18.74 |
|                 | 8H   | 13.13            | 13.38 | 14.26 | 14.50 | 16.05 | 15.97          | 16.22 | 17.10 | 17.34 | 18.90 |