

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: P936124

Luminaire Tested: SQ4-FA-150U-125D-927-1D-UNV-STD-W-8

Issue Date: 12/17/2024

**Test Information**

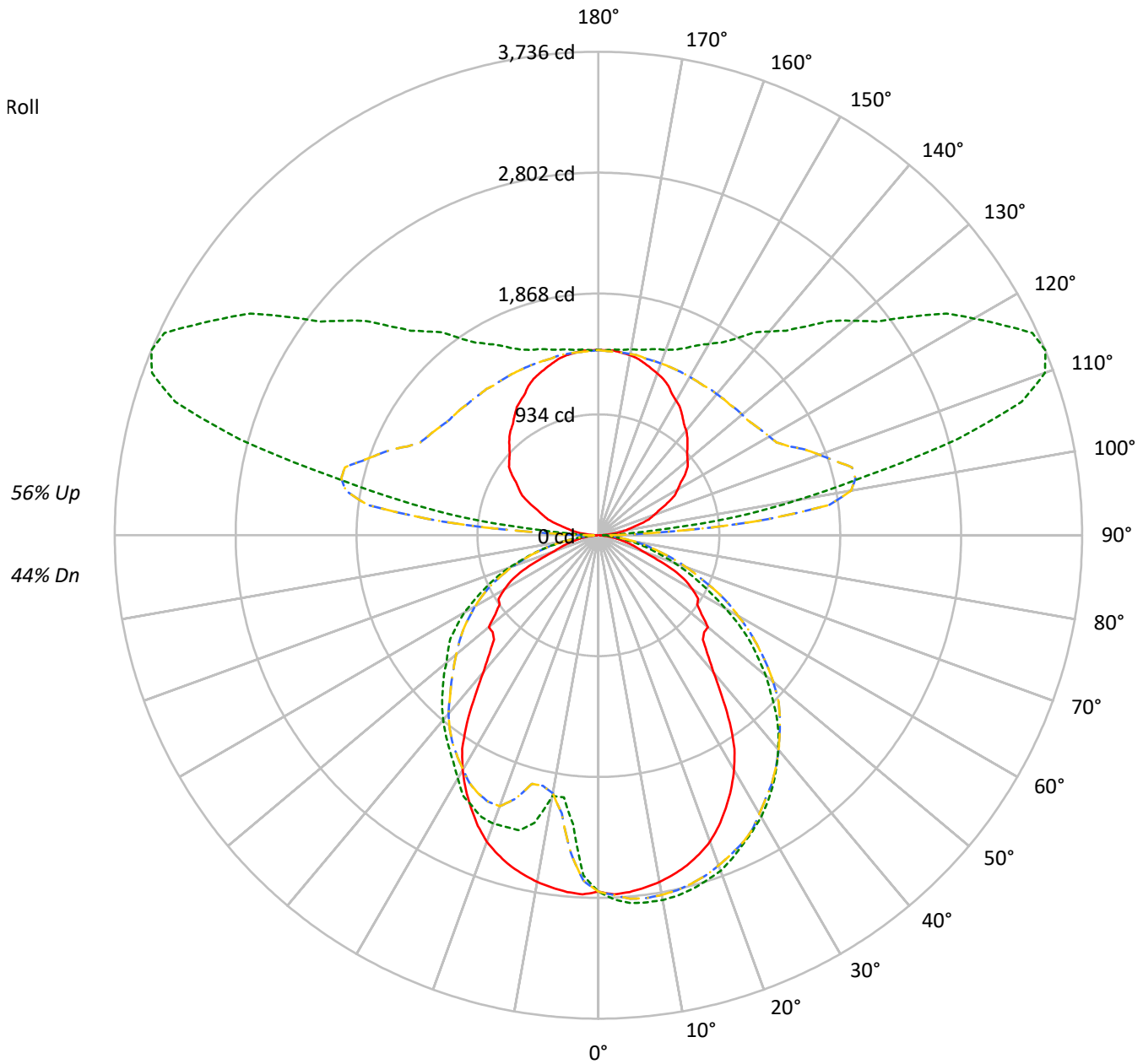
Test Method: LM-79-2019  
Report Number: P936124  
REPORT IS A COMBINATION OF REPORTS P933784 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-125D-927-1D-UNV-STD-W-8  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16424.9 lumens  
Efficiency: N/A  
Efficacy: 98.7 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 166.4  
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   | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 64 | 64 | 64 | 50 | 50 | 50 | 44 | 44 | 44 | 44 |
| 1   | 96  | 92  | 88  | 85  | 88 | 84 | 81 | 78 | 70 | 68 | 66 | 57 | 55 | 54 | 44 | 43 | 42 | 37 | 37 | 37 | 37 |
| 2   | 88  | 80  | 74  | 69  | 80 | 74 | 69 | 64 | 61 | 58 | 54 | 50 | 47 | 45 | 39 | 37 | 36 | 31 | 31 | 31 | 31 |
| 3   | 80  | 71  | 63  | 58  | 73 | 65 | 59 | 54 | 54 | 49 | 46 | 44 | 41 | 38 | 35 | 32 | 30 | 26 | 26 | 26 | 26 |
| 4   | 73  | 63  | 55  | 49  | 67 | 57 | 51 | 45 | 48 | 43 | 39 | 39 | 35 | 32 | 31 | 28 | 26 | 22 | 22 | 22 | 22 |
| 5   | 67  | 56  | 48  | 42  | 61 | 51 | 44 | 39 | 43 | 37 | 33 | 35 | 31 | 28 | 28 | 25 | 23 | 19 | 19 | 19 | 19 |
| 6   | 62  | 50  | 42  | 36  | 56 | 46 | 39 | 34 | 39 | 33 | 29 | 32 | 28 | 24 | 25 | 22 | 20 | 17 | 17 | 17 | 17 |
| 7   | 57  | 45  | 37  | 31  | 52 | 41 | 34 | 29 | 35 | 29 | 25 | 29 | 25 | 22 | 23 | 20 | 18 | 15 | 15 | 15 | 15 |
| 8   | 53  | 41  | 33  | 28  | 48 | 38 | 31 | 26 | 32 | 26 | 23 | 26 | 22 | 19 | 21 | 18 | 16 | 13 | 13 | 13 | 13 |
| 9   | 49  | 37  | 30  | 25  | 45 | 34 | 28 | 23 | 29 | 24 | 20 | 24 | 20 | 17 | 19 | 16 | 14 | 12 | 12 | 12 | 12 |
| 10  | 46  | 34  | 27  | 22  | 42 | 31 | 25 | 21 | 27 | 22 | 18 | 22 | 18 | 16 | 18 | 15 | 13 | 11 | 11 | 11 | 11 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 12779 | 12779 | 12779 | 12779 |
| 5°  | 12875 | 12901 | 12875 | 10144 |
| 10° | 12789 | 12707 | 12789 | 9085  |
| 15° | 12650 | 12432 | 12650 | 10381 |
| 20° | 12385 | 12106 | 12385 | 10403 |
| 25° | 11844 | 11630 | 11844 | 10182 |
| 30° | 11144 | 11235 | 11144 | 9698  |
| 35° | 9935  | 10736 | 9935  | 9167  |
| 40° | 8278  | 10148 | 8278  | 8764  |
| 45° | 7397  | 9459  | 7397  | 8302  |
| 50° | 7858  | 8638  | 7858  | 7839  |
| 55° | 7393  | 7754  | 7393  | 7570  |
| 60° | 7621  | 6586  | 7621  | 6934  |
| 65° | 6910  | 5444  | 6910  | 6085  |
| 70° | 4784  | 4338  | 4784  | 5101  |
| 75° | 4194  | 3207  | 4194  | 3840  |
| 80° | 3381  | 2120  | 3381  | 2309  |
| 85° | 1942  | 1124  | 1942  | 954   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 11336 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 248.6   | 1.5       |
| 10°-20°   | 705.9   | 4.3       |
| 20°-30°   | 1091.3  | 6.6       |
| 30°-40°   | 1302.7  | 7.9       |
| 40°-50°   | 1310.4  | 8.0       |
| 50°-60°   | 1140.2  | 6.9       |
| 60°-70°   | 808.4   | 4.9       |
| 70°-80°   | 427.7   | 2.6       |
| 80°-90°   | 112.0   | 0.7       |
| 90°-100°  | 697.6   | 4.2       |
| 100°-110° | 1834.1  | 11.2      |
| 110°-120° | 1901.7  | 11.6      |
| 120°-130° | 1525.4  | 9.3       |
| 130°-140° | 1196.9  | 7.3       |
| 140°-150° | 918.7   | 5.6       |
| 150°-160° | 661.6   | 4.0       |
| 160°-170° | 404.8   | 2.5       |
| 170°-180° | 136.8   | 0.8       |
| 0°-30°    | 2045.8  | 12.5      |
| 0°-40°    | 3348.6  | 20.4      |
| 0°-60°    | 5799.1  | 35.3      |
| 0°-90°    | 7147.2  | 43.5      |
| 90°-120°  | 4433.5  | 27.0      |
| 90°-150°  | 8074.5  | 49.2      |
| 90°-180°  | 9278.0  | 56.5      |
| 0°-180°   | 16424.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 2754 | 2754 | 2754 | 2754 | 2754 |      |
| 5°   | 2768 | 2854 | 2768 | 2244 | 2768 | 263  |
| 15°  | 2642 | 2827 | 2642 | 2361 | 2642 | 743  |
| 25°  | 2327 | 2637 | 2327 | 2309 | 2327 | 1068 |
| 35°  | 1769 | 2353 | 1769 | 2009 | 1769 | 1095 |
| 45°  | 1141 | 1939 | 1141 | 1702 | 1141 | 914  |
| 55°  | 930  | 1431 | 930  | 1397 | 930  | 855  |
| 65°  | 646  | 863  | 646  | 964  | 646  | 618  |
| 75°  | 245  | 409  | 245  | 490  | 245  | 258  |
| 85°  | 42   | 104  | 42   | 89   | 42   | 56   |
| 90°  | 10   | 36   | 10   | 36   | 10   | 10   |
| 95°  | 92   | 422  | 92   | 422  | 92   | 102  |
| 105° | 330  | 2872 | 330  | 2872 | 330  | 350  |
| 115° | 587  | 3698 | 587  | 3698 | 587  | 580  |
| 125° | 816  | 2945 | 816  | 2945 | 816  | 725  |
| 135° | 973  | 2285 | 973  | 2285 | 973  | 753  |
| 145° | 1129 | 1854 | 1129 | 1854 | 1129 | 707  |
| 155° | 1276 | 1596 | 1276 | 1596 | 1276 | 586  |
| 165° | 1376 | 1487 | 1376 | 1487 | 1376 | 388  |
| 175° | 1431 | 1441 | 1431 | 1441 | 1431 | 136  |
| 180° | 1431 | 1431 | 1431 | 1431 | 1431 |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 |
| 2.5°   | 2777.9 | 2777.9 | 2793.5 | 2798.7 | 2798.7 | 2790.9 | 2783.1 | 2790.9 | 2814.4 | 2822.2 | 2819.6 |
| 5°     | 2767.5 | 2788.3 | 2817.0 | 2822.2 | 2827.4 | 2824.8 | 2819.6 | 2824.8 | 2850.8 | 2856.1 | 2858.7 |
| 7.5°   | 2746.6 | 2785.7 | 2822.2 | 2830.0 | 2837.8 | 2830.0 | 2827.4 | 2832.6 | 2858.7 | 2863.9 | 2863.9 |
| 10°    | 2720.6 | 2775.3 | 2817.0 | 2822.2 | 2830.0 | 2822.2 | 2822.2 | 2832.6 | 2858.7 | 2863.9 | 2866.5 |
| 12.5°  | 2684.1 | 2759.6 | 2798.7 | 2804.0 | 2814.4 | 2811.7 | 2809.2 | 2819.6 | 2845.6 | 2850.8 | 2850.8 |
| 15°    | 2642.4 | 2731.0 | 2767.5 | 2772.7 | 2790.9 | 2785.7 | 2785.7 | 2796.1 | 2824.8 | 2832.6 | 2830.0 |
| 17.5°  | 2585.0 | 2694.5 | 2736.2 | 2744.0 | 2757.1 | 2754.4 | 2757.1 | 2767.5 | 2793.5 | 2798.7 | 2801.3 |
| 20°    | 2519.9 | 2645.0 | 2694.5 | 2702.3 | 2715.3 | 2715.3 | 2715.3 | 2728.3 | 2754.4 | 2764.8 | 2764.8 |
| 22.5°  | 2431.3 | 2592.9 | 2645.0 | 2650.2 | 2665.8 | 2665.8 | 2671.1 | 2689.3 | 2712.7 | 2715.3 | 2715.3 |
| 25°    | 2327.1 | 2535.5 | 2579.8 | 2595.4 | 2611.1 | 2618.9 | 2626.8 | 2637.2 | 2645.0 | 2642.4 | 2645.0 |
| 27.5°  | 2217.6 | 2462.5 | 2519.9 | 2530.3 | 2551.2 | 2559.0 | 2569.4 | 2572.0 | 2574.6 | 2582.4 | 2577.2 |
| 30°    | 2095.2 | 2361.0 | 2446.9 | 2457.4 | 2491.3 | 2496.4 | 2486.0 | 2491.3 | 2504.3 | 2509.5 | 2514.7 |
| 32.5°  | 1957.0 | 2209.8 | 2371.4 | 2394.9 | 2426.1 | 2410.5 | 2407.9 | 2415.6 | 2436.5 | 2436.5 | 2441.7 |
| 35°    | 1769.4 | 2092.6 | 2301.0 | 2321.9 | 2345.3 | 2327.1 | 2337.5 | 2340.1 | 2353.1 | 2361.0 | 2358.4 |
| 37.5°  | 1563.6 | 1990.9 | 2228.1 | 2243.7 | 2262.0 | 2238.5 | 2254.1 | 2262.0 | 2272.3 | 2267.1 | 2267.1 |
| 40°    | 1381.1 | 1831.9 | 2142.1 | 2152.5 | 2168.1 | 2149.8 | 2165.5 | 2170.7 | 2175.9 | 2170.7 | 2168.1 |
| 42.5°  | 1245.6 | 1657.3 | 2050.8 | 2063.8 | 2053.4 | 2066.4 | 2071.7 | 2082.1 | 2074.3 | 2063.8 | 2063.8 |
| 45°    | 1141.4 | 1610.5 | 1951.8 | 1967.4 | 1951.8 | 1972.7 | 1980.5 | 1980.5 | 1957.0 | 1951.8 | 1949.2 |
| 47.5°  | 1107.5 | 1516.6 | 1852.8 | 1852.8 | 1845.0 | 1871.0 | 1884.0 | 1865.8 | 1842.4 | 1834.5 | 1834.5 |
| 50°    | 1104.9 | 1412.4 | 1717.3 | 1706.9 | 1743.4 | 1774.6 | 1761.6 | 1743.4 | 1725.1 | 1696.5 | 1696.5 |
| 52.5°  | 1003.2 | 1284.7 | 1542.7 | 1581.8 | 1639.1 | 1657.3 | 1636.5 | 1618.2 | 1587.0 | 1574.0 | 1563.6 |
| 55°    | 930.3  | 1151.8 | 1383.8 | 1461.9 | 1521.8 | 1545.3 | 1506.2 | 1487.9 | 1441.1 | 1433.3 | 1428.0 |
| 57.5°  | 914.7  | 959.0  | 1237.8 | 1336.8 | 1409.8 | 1407.2 | 1383.8 | 1349.9 | 1310.8 | 1302.9 | 1300.4 |
| 60°    | 839.1  | 693.2  | 1081.5 | 1198.7 | 1274.3 | 1266.5 | 1245.6 | 1214.4 | 1177.9 | 1172.6 | 1167.5 |
| 62.5°  | 760.9  | 503.0  | 904.2  | 1037.1 | 1144.0 | 1141.4 | 1123.1 | 1076.2 | 1050.2 | 1037.1 | 1026.7 |
| 65°    | 646.3  | 422.2  | 643.6  | 862.6  | 1016.3 | 1021.5 | 982.4  | 948.6  | 919.8  | 904.2  | 901.7  |
| 67.5°  | 492.5  | 344.0  | 435.2  | 719.3  | 893.8  | 888.6  | 839.1  | 823.4  | 787.0  | 779.2  | 763.5  |
| 70°    | 364.8  | 229.3  | 302.3  | 583.7  | 773.9  | 760.9  | 721.8  | 703.6  | 669.7  | 651.5  | 641.0  |
| 72.5°  | 302.3  | 185.0  | 221.5  | 453.5  | 651.5  | 635.9  | 602.0  | 581.1  | 552.5  | 536.8  | 526.4  |
| 75°    | 244.9  | 195.4  | 169.4  | 336.2  | 529.0  | 518.6  | 487.3  | 466.5  | 443.0  | 422.2  | 424.7  |
| 77.5°  | 179.8  | 182.4  | 135.5  | 247.6  | 419.6  | 403.9  | 385.7  | 359.6  | 349.2  | 328.3  | 328.3  |
| 80°    | 135.5  | 143.3  | 101.6  | 169.4  | 302.3  | 302.3  | 286.7  | 268.4  | 250.2  | 239.8  | 239.8  |
| 82.5°  | 91.2   | 91.2   | 75.5   | 106.9  | 205.9  | 198.0  | 187.6  | 182.4  | 172.0  | 166.8  | 166.8  |
| 85°    | 41.7   | 52.1   | 46.9   | 65.1   | 112.0  | 117.3  | 117.3  | 112.0  | 109.4  | 104.3  | 106.9  |
| 87.5°  | 13.0   | 23.5   | 28.6   | 36.5   | 57.4   | 59.9   | 62.5   | 62.5   | 62.5   | 65.1   | 65.1   |
| 90°    | 9.6    | 17.3   | 24.9   | 26.9   | 42.3   | 62.8   | 73.0   | 64.9   | 48.7   | 36.5   | 36.5   |
| 92.5°  | 38.4   | 103.7  | 169.1  | 185.4  | 260.6  | 361.0  | 411.1  | 360.3  | 258.7  | 182.5  | 175.3  |
| 95°    | 92.2   | 211.8  | 331.3  | 361.1  | 641.3  | 1014.8 | 1201.6 | 1072.2 | 813.6  | 619.5  | 597.5  |
| 97.5°  | 159.5  | 264.9  | 370.4  | 396.7  | 863.9  | 1486.7 | 1798.1 | 1716.3 | 1552.9 | 1430.2 | 1388.4 |
| 100°   | 211.3  | 306.9  | 402.6  | 426.5  | 944.9  | 1635.9 | 1981.5 | 1987.5 | 1999.5 | 2008.4 | 1958.6 |
| 102.5° | 255.5  | 344.7  | 433.9  | 456.2  | 982.0  | 1682.9 | 2033.4 | 2137.6 | 2345.9 | 2502.1 | 2459.5 |
| 105°   | 330.4  | 405.9  | 481.6  | 500.4  | 1009.5 | 1688.2 | 2027.6 | 2261.2 | 2728.2 | 3078.5 | 3055.5 |
| 107.5° | 407.3  | 477.7  | 548.1  | 565.7  | 1014.6 | 1613.2 | 1912.4 | 2238.1 | 2889.6 | 3378.1 | 3383.7 |
| 110°   | 459.2  | 522.8  | 586.4  | 602.2  | 1006.9 | 1546.5 | 1816.4 | 2180.5 | 2908.8 | 3455.0 | 3478.9 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 510.0  | 570.6  | 631.2  | 646.4  | 1007.2 | 1488.3 | 1728.9 | 2101.6 | 2846.9 | 3405.9 | 3442.7 |
| 115°   | 586.9  | 642.8  | 698.7  | 712.7  | 1016.6 | 1421.7 | 1624.2 | 1983.2 | 2701.2 | 3239.8 | 3290.7 |
| 117.5° | 662.7  | 713.6  | 764.4  | 777.1  | 1035.4 | 1379.9 | 1552.2 | 1876.2 | 2524.2 | 3010.2 | 3066.7 |
| 120°   | 706.9  | 754.8  | 802.6  | 814.5  | 1050.8 | 1365.8 | 1523.4 | 1819.4 | 2411.6 | 2855.6 | 2910.4 |
| 122.5° | 750.1  | 798.4  | 846.6  | 858.7  | 1072.9 | 1358.5 | 1501.3 | 1767.8 | 2301.1 | 2700.9 | 2755.1 |
| 125°   | 816.4  | 860.4  | 904.4  | 915.4  | 1102.6 | 1352.4 | 1477.2 | 1703.7 | 2156.6 | 2496.3 | 2546.2 |
| 127.5° | 870.3  | 914.6  | 959.0  | 970.1  | 1132.4 | 1348.9 | 1457.1 | 1651.5 | 2040.4 | 2332.1 | 2374.1 |
| 130°   | 899.1  | 946.9  | 994.7  | 1006.6 | 1154.2 | 1351.0 | 1449.4 | 1622.5 | 1968.7 | 2228.4 | 2267.3 |
| 132.5° | 928.9  | 976.7  | 1024.5 | 1036.4 | 1171.9 | 1352.4 | 1442.7 | 1597.6 | 1907.5 | 2140.0 | 2174.8 |
| 135°   | 973.0  | 1016.6 | 1060.1 | 1071.0 | 1191.0 | 1351.1 | 1431.1 | 1560.9 | 1820.5 | 2015.2 | 2045.1 |
| 137.5° | 1018.2 | 1061.3 | 1104.3 | 1115.1 | 1219.8 | 1359.4 | 1429.3 | 1539.0 | 1758.4 | 1922.9 | 1947.5 |
| 140°   | 1055.6 | 1095.3 | 1135.0 | 1144.9 | 1237.5 | 1360.8 | 1422.5 | 1517.3 | 1706.9 | 1849.0 | 1871.9 |
| 142.5° | 1084.4 | 1121.1 | 1157.8 | 1167.0 | 1252.2 | 1365.7 | 1422.5 | 1505.7 | 1672.2 | 1797.1 | 1816.8 |
| 145°   | 1128.6 | 1160.6 | 1192.7 | 1200.7 | 1271.4 | 1365.7 | 1412.9 | 1480.9 | 1617.2 | 1719.3 | 1734.3 |
| 147.5° | 1172.8 | 1204.0 | 1235.2 | 1242.9 | 1299.6 | 1375.1 | 1412.9 | 1466.5 | 1573.6 | 1654.0 | 1666.4 |
| 150°   | 1201.6 | 1229.8 | 1257.9 | 1265.0 | 1314.2 | 1380.0 | 1412.9 | 1458.1 | 1548.6 | 1616.5 | 1626.5 |
| 152.5° | 1231.4 | 1252.7 | 1274.1 | 1279.4 | 1323.9 | 1383.2 | 1412.9 | 1451.5 | 1528.8 | 1586.7 | 1594.3 |
| 155°   | 1275.6 | 1291.4 | 1307.2 | 1311.1 | 1345.0 | 1390.2 | 1412.9 | 1443.6 | 1505.1 | 1551.2 | 1556.2 |
| 157.5° | 1308.2 | 1323.6 | 1339.0 | 1342.8 | 1366.1 | 1397.3 | 1412.9 | 1436.8 | 1484.6 | 1520.5 | 1524.1 |
| 160°   | 1330.3 | 1342.3 | 1354.2 | 1357.2 | 1375.8 | 1400.5 | 1412.9 | 1433.4 | 1474.4 | 1505.1 | 1507.1 |
| 162.5° | 1352.4 | 1361.4 | 1370.4 | 1372.6 | 1386.0 | 1403.9 | 1412.9 | 1430.2 | 1464.8 | 1490.7 | 1492.6 |
| 165°   | 1376.4 | 1384.5 | 1392.6 | 1394.6 | 1400.7 | 1408.8 | 1412.9 | 1425.3 | 1450.1 | 1468.6 | 1470.6 |
| 167.5° | 1398.5 | 1402.3 | 1406.2 | 1407.2 | 1412.3 | 1419.1 | 1422.5 | 1430.6 | 1446.8 | 1459.0 | 1459.8 |
| 170°   | 1412.9 | 1416.7 | 1420.6 | 1421.6 | 1421.9 | 1422.3 | 1422.5 | 1430.6 | 1446.8 | 1459.0 | 1459.0 |
| 172.5° | 1420.6 | 1421.4 | 1422.3 | 1422.5 | 1422.5 | 1422.5 | 1422.5 | 1428.9 | 1441.7 | 1451.3 | 1450.5 |
| 175°   | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1428.3 | 1424.4 | 1422.5 | 1426.6 | 1434.7 | 1440.7 | 1440.7 |
| 177.5° | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1428.9 | 1425.9 | 1424.4 | 1427.7 | 1434.0 | 1438.8 | 1438.0 |
| 180°   | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 |



TEST NUMBER: P936124

CATALOG NUMBER: SQ4-FA-150U-125D-927-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 |
| 2.5°   | 2824.8 | 2817.0 | 2824.8 | 2819.6 | 2822.2 | 2814.4 | 2790.9 | 2783.1 | 2790.9 | 2798.7 | 2798.7 |
| 5°     | 2858.7 | 2853.5 | 2858.7 | 2858.7 | 2856.1 | 2850.8 | 2824.8 | 2819.6 | 2824.8 | 2827.4 | 2822.2 |
| 7.5°   | 2869.1 | 2861.2 | 2869.1 | 2863.9 | 2863.9 | 2858.7 | 2832.6 | 2827.4 | 2830.0 | 2837.8 | 2830.0 |
| 10°    | 2869.1 | 2861.2 | 2869.1 | 2866.5 | 2863.9 | 2858.7 | 2832.6 | 2822.2 | 2822.2 | 2830.0 | 2822.2 |
| 12.5°  | 2856.1 | 2850.8 | 2856.1 | 2850.8 | 2850.8 | 2845.6 | 2819.6 | 2809.2 | 2811.7 | 2814.4 | 2804.0 |
| 15°    | 2835.2 | 2827.4 | 2835.2 | 2830.0 | 2832.6 | 2824.8 | 2796.1 | 2785.7 | 2785.7 | 2790.9 | 2772.7 |
| 17.5°  | 2804.0 | 2793.5 | 2804.0 | 2801.3 | 2798.7 | 2793.5 | 2767.5 | 2757.1 | 2754.4 | 2757.1 | 2744.0 |
| 20°    | 2767.5 | 2759.6 | 2767.5 | 2764.8 | 2764.8 | 2754.4 | 2728.3 | 2715.3 | 2715.3 | 2715.3 | 2702.3 |
| 22.5°  | 2710.1 | 2702.3 | 2710.1 | 2715.3 | 2715.3 | 2712.7 | 2689.3 | 2671.1 | 2665.8 | 2665.8 | 2650.2 |
| 25°    | 2645.0 | 2637.2 | 2645.0 | 2645.0 | 2642.4 | 2645.0 | 2637.2 | 2626.8 | 2618.9 | 2611.1 | 2595.4 |
| 27.5°  | 2582.4 | 2577.2 | 2582.4 | 2577.2 | 2582.4 | 2574.6 | 2572.0 | 2569.4 | 2559.0 | 2551.2 | 2530.3 |
| 30°    | 2519.9 | 2514.7 | 2519.9 | 2514.7 | 2509.5 | 2504.3 | 2491.3 | 2486.0 | 2496.4 | 2491.3 | 2457.4 |
| 32.5°  | 2441.7 | 2436.5 | 2441.7 | 2441.7 | 2436.5 | 2436.5 | 2415.6 | 2407.9 | 2410.5 | 2426.1 | 2394.9 |
| 35°    | 2361.0 | 2353.1 | 2361.0 | 2358.4 | 2361.0 | 2353.1 | 2340.1 | 2337.5 | 2327.1 | 2345.3 | 2321.9 |
| 37.5°  | 2267.1 | 2259.3 | 2267.1 | 2267.1 | 2267.1 | 2272.3 | 2262.0 | 2254.1 | 2238.5 | 2262.0 | 2243.7 |
| 40°    | 2170.7 | 2160.3 | 2170.7 | 2168.1 | 2170.7 | 2175.9 | 2170.7 | 2165.5 | 2149.8 | 2168.1 | 2152.5 |
| 42.5°  | 2061.3 | 2058.7 | 2061.3 | 2063.8 | 2063.8 | 2074.3 | 2082.1 | 2071.7 | 2066.4 | 2053.4 | 2063.8 |
| 45°    | 1944.0 | 1938.8 | 1944.0 | 1949.2 | 1951.8 | 1957.0 | 1980.5 | 1980.5 | 1972.7 | 1951.8 | 1967.4 |
| 47.5°  | 1818.9 | 1805.9 | 1818.9 | 1834.5 | 1834.5 | 1842.4 | 1865.8 | 1884.0 | 1871.0 | 1845.0 | 1852.8 |
| 50°    | 1686.0 | 1688.6 | 1686.0 | 1696.5 | 1696.5 | 1725.1 | 1743.4 | 1761.6 | 1774.6 | 1743.4 | 1706.9 |
| 52.5°  | 1555.7 | 1553.1 | 1555.7 | 1563.6 | 1574.0 | 1587.0 | 1618.2 | 1636.5 | 1657.3 | 1639.1 | 1581.8 |
| 55°    | 1425.4 | 1430.7 | 1425.4 | 1428.0 | 1433.3 | 1441.1 | 1487.9 | 1506.2 | 1545.3 | 1521.8 | 1461.9 |
| 57.5°  | 1295.1 | 1287.3 | 1295.1 | 1300.4 | 1302.9 | 1310.8 | 1349.9 | 1383.8 | 1407.2 | 1409.8 | 1336.8 |
| 60°    | 1144.0 | 1133.6 | 1144.0 | 1167.5 | 1172.6 | 1177.9 | 1214.4 | 1245.6 | 1266.5 | 1274.3 | 1198.7 |
| 62.5°  | 1011.1 | 992.8  | 1011.1 | 1026.7 | 1037.1 | 1050.2 | 1076.2 | 1123.1 | 1141.4 | 1144.0 | 1037.1 |
| 65°    | 870.3  | 862.6  | 870.3  | 901.7  | 904.2  | 919.8  | 948.6  | 982.4  | 1021.5 | 1016.3 | 862.6  |
| 67.5°  | 742.7  | 742.7  | 742.7  | 763.5  | 779.2  | 787.0  | 823.4  | 839.1  | 888.6  | 893.8  | 719.3  |
| 70°    | 625.4  | 622.8  | 625.4  | 641.0  | 651.5  | 669.7  | 703.6  | 721.8  | 760.9  | 773.9  | 583.7  |
| 72.5°  | 513.4  | 510.7  | 513.4  | 526.4  | 536.8  | 552.5  | 581.1  | 602.0  | 635.9  | 651.5  | 453.5  |
| 75°    | 414.3  | 409.1  | 414.3  | 424.7  | 422.2  | 443.0  | 466.5  | 487.3  | 518.6  | 529.0  | 336.2  |
| 77.5°  | 317.9  | 317.9  | 317.9  | 328.3  | 328.3  | 349.2  | 359.6  | 385.7  | 403.9  | 419.6  | 247.6  |
| 80°    | 237.2  | 234.5  | 237.2  | 239.8  | 239.8  | 250.2  | 268.4  | 286.7  | 302.3  | 302.3  | 169.4  |
| 82.5°  | 166.8  | 161.5  | 166.8  | 166.8  | 166.8  | 172.0  | 182.4  | 187.6  | 198.0  | 205.9  | 106.9  |
| 85°    | 104.3  | 104.3  | 104.3  | 106.9  | 104.3  | 109.4  | 112.0  | 117.3  | 117.3  | 112.0  | 65.1   |
| 87.5°  | 67.8   | 65.1   | 67.8   | 65.1   | 65.1   | 62.5   | 62.5   | 62.5   | 59.9   | 57.4   | 36.5   |
| 90°    | 36.5   | 36.5   | 36.5   | 36.5   | 36.5   | 48.7   | 64.9   | 73.0   | 62.8   | 42.3   | 26.9   |
| 92.5°  | 146.2  | 117.2  | 146.2  | 175.3  | 182.5  | 258.7  | 360.3  | 411.1  | 361.0  | 260.6  | 185.4  |
| 95°    | 509.6  | 421.7  | 509.6  | 597.5  | 619.5  | 813.6  | 1072.2 | 1201.6 | 1014.8 | 641.3  | 361.1  |
| 97.5°  | 1221.0 | 1053.7 | 1221.0 | 1388.4 | 1430.2 | 1552.9 | 1716.3 | 1798.1 | 1486.7 | 863.9  | 396.7  |
| 100°   | 1759.2 | 1559.9 | 1759.2 | 1958.6 | 2008.4 | 1999.5 | 1987.5 | 1981.5 | 1635.9 | 944.9  | 426.5  |
| 102.5° | 2288.7 | 2118.0 | 2288.7 | 2459.5 | 2502.1 | 2345.9 | 2137.6 | 2033.4 | 1682.9 | 982.0  | 456.2  |
| 105°   | 2963.7 | 2871.9 | 2963.7 | 3055.5 | 3078.5 | 2728.2 | 2261.2 | 2027.6 | 1688.2 | 1009.5 | 500.4  |
| 107.5° | 3405.9 | 3428.0 | 3405.9 | 3383.7 | 3378.1 | 2889.6 | 2238.1 | 1912.4 | 1613.2 | 1014.6 | 565.7  |
| 110°   | 3574.5 | 3670.1 | 3574.5 | 3478.9 | 3455.0 | 2908.8 | 2180.5 | 1816.4 | 1546.5 | 1006.9 | 602.2  |





TEST NUMBER: P936124

CATALOG NUMBER: SQ4-FA-150U-125D-927-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 3589.5 | 3736.3 | 3589.5 | 3442.7 | 3405.9 | 2846.9 | 2101.6 | 1728.9 | 1488.3 | 1007.2 | 646.4  |
| 115°   | 3494.3 | 3697.9 | 3494.3 | 3290.7 | 3239.8 | 2701.2 | 1983.2 | 1624.2 | 1421.7 | 1016.6 | 712.7  |
| 117.5° | 3292.5 | 3518.4 | 3292.5 | 3066.7 | 3010.2 | 2524.2 | 1876.2 | 1552.2 | 1379.9 | 1035.4 | 777.1  |
| 120°   | 3129.9 | 3349.3 | 3129.9 | 2910.4 | 2855.6 | 2411.6 | 1819.4 | 1523.4 | 1365.8 | 1050.8 | 814.5  |
| 122.5° | 2971.5 | 3188.0 | 2971.5 | 2755.1 | 2700.9 | 2301.1 | 1767.8 | 1501.3 | 1358.5 | 1072.9 | 858.7  |
| 125°   | 2745.6 | 2944.9 | 2745.6 | 2546.2 | 2496.3 | 2156.6 | 1703.7 | 1477.2 | 1352.4 | 1102.6 | 915.4  |
| 127.5° | 2542.4 | 2710.6 | 2542.4 | 2374.1 | 2332.1 | 2040.4 | 1651.5 | 1457.1 | 1348.9 | 1132.4 | 970.1  |
| 130°   | 2422.7 | 2578.0 | 2422.7 | 2267.3 | 2228.4 | 1968.7 | 1622.5 | 1449.4 | 1351.0 | 1154.2 | 1006.6 |
| 132.5° | 2313.9 | 2453.1 | 2313.9 | 2174.8 | 2140.0 | 1907.5 | 1597.6 | 1442.7 | 1352.4 | 1171.9 | 1036.4 |
| 135°   | 2165.1 | 2285.1 | 2165.1 | 2045.1 | 2015.2 | 1820.5 | 1560.9 | 1431.1 | 1351.1 | 1191.0 | 1071.0 |
| 137.5° | 2045.7 | 2143.8 | 2045.7 | 1947.5 | 1922.9 | 1758.4 | 1539.0 | 1429.3 | 1359.4 | 1219.8 | 1115.1 |
| 140°   | 1963.7 | 2055.5 | 1963.7 | 1871.9 | 1849.0 | 1706.9 | 1517.3 | 1422.5 | 1360.8 | 1237.5 | 1144.9 |
| 142.5° | 1895.8 | 1974.8 | 1895.8 | 1816.8 | 1797.1 | 1672.2 | 1505.7 | 1422.5 | 1365.7 | 1252.2 | 1167.0 |
| 145°   | 1794.0 | 1853.8 | 1794.0 | 1734.3 | 1719.3 | 1617.2 | 1480.9 | 1412.9 | 1365.7 | 1271.4 | 1200.7 |
| 147.5° | 1715.9 | 1765.4 | 1715.9 | 1666.4 | 1654.0 | 1573.6 | 1466.5 | 1412.9 | 1375.1 | 1299.6 | 1242.9 |
| 150°   | 1666.7 | 1706.9 | 1666.7 | 1626.5 | 1616.5 | 1548.6 | 1458.1 | 1412.9 | 1380.0 | 1314.2 | 1265.0 |
| 152.5° | 1624.6 | 1655.0 | 1624.6 | 1594.3 | 1586.7 | 1528.8 | 1451.5 | 1412.9 | 1383.2 | 1323.9 | 1279.4 |
| 155°   | 1576.3 | 1596.4 | 1576.3 | 1556.2 | 1551.2 | 1505.1 | 1443.6 | 1412.9 | 1390.2 | 1345.0 | 1311.1 |
| 157.5° | 1538.1 | 1552.2 | 1538.1 | 1524.1 | 1520.5 | 1484.6 | 1436.8 | 1412.9 | 1397.3 | 1366.1 | 1342.8 |
| 160°   | 1515.3 | 1523.4 | 1515.3 | 1507.1 | 1505.1 | 1474.4 | 1433.4 | 1412.9 | 1400.5 | 1375.8 | 1357.2 |
| 162.5° | 1500.3 | 1508.0 | 1500.3 | 1492.6 | 1490.7 | 1464.8 | 1430.2 | 1412.9 | 1403.9 | 1386.0 | 1372.6 |
| 165°   | 1478.8 | 1486.9 | 1478.8 | 1470.6 | 1468.6 | 1450.1 | 1425.3 | 1412.9 | 1408.8 | 1400.7 | 1394.6 |
| 167.5° | 1463.3 | 1466.7 | 1463.3 | 1459.8 | 1459.0 | 1446.8 | 1430.6 | 1422.5 | 1419.1 | 1412.3 | 1407.2 |
| 170°   | 1459.0 | 1459.0 | 1459.0 | 1459.0 | 1459.0 | 1446.8 | 1430.6 | 1422.5 | 1422.3 | 1421.9 | 1421.6 |
| 172.5° | 1447.6 | 1444.6 | 1447.6 | 1450.5 | 1451.3 | 1441.7 | 1428.9 | 1422.5 | 1422.5 | 1422.5 | 1422.5 |
| 175°   | 1440.7 | 1440.7 | 1440.7 | 1440.7 | 1440.7 | 1434.7 | 1426.6 | 1422.5 | 1424.4 | 1428.3 | 1431.1 |
| 177.5° | 1434.5 | 1431.1 | 1434.5 | 1438.0 | 1438.8 | 1434.0 | 1427.7 | 1424.4 | 1425.9 | 1428.9 | 1431.1 |
| 180°   | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 |



TEST NUMBER: P936124

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**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 |
| 2.5°   | 2793.5 | 2777.9 | 2777.9 | 2751.8 | 2741.4 | 2733.6 | 2720.6 | 2681.4 | 2671.1 | 2660.6 | 2676.3 |
| 5°     | 2817.0 | 2788.3 | 2767.5 | 2720.6 | 2681.4 | 2665.8 | 2616.3 | 2522.5 | 2460.0 | 2413.0 | 2387.0 |
| 7.5°   | 2822.2 | 2785.7 | 2746.6 | 2673.7 | 2579.8 | 2538.2 | 2387.0 | 2215.0 | 2168.1 | 2126.4 | 2100.3 |
| 10°    | 2817.0 | 2775.3 | 2720.6 | 2611.1 | 2389.6 | 2316.6 | 2165.5 | 2053.4 | 2024.8 | 2016.9 | 2024.8 |
| 12.5°  | 2798.7 | 2759.6 | 2684.1 | 2501.7 | 2191.6 | 2142.1 | 2053.4 | 1988.3 | 1983.1 | 1996.1 | 2066.4 |
| 15°    | 2767.5 | 2731.0 | 2642.4 | 2355.7 | 2082.1 | 2045.7 | 1983.1 | 1959.6 | 1988.3 | 2079.5 | 2290.6 |
| 17.5°  | 2736.2 | 2694.5 | 2585.0 | 2212.4 | 1998.7 | 1972.7 | 1928.4 | 1975.3 | 2136.8 | 2259.3 | 2329.6 |
| 20°    | 2694.5 | 2645.0 | 2519.9 | 2108.2 | 1938.8 | 1915.3 | 1894.5 | 2105.6 | 2228.1 | 2272.3 | 2311.5 |
| 22.5°  | 2645.0 | 2592.9 | 2431.3 | 2035.2 | 1876.3 | 1858.0 | 1871.0 | 2178.6 | 2228.1 | 2259.3 | 2293.2 |
| 25°    | 2579.8 | 2535.5 | 2327.1 | 1977.9 | 1826.7 | 1805.9 | 1855.4 | 2170.7 | 2199.4 | 2207.2 | 2275.0 |
| 27.5°  | 2519.9 | 2462.5 | 2217.6 | 1925.8 | 1766.8 | 1759.0 | 1868.4 | 2136.8 | 2157.7 | 2165.5 | 2238.5 |
| 30°    | 2446.9 | 2361.0 | 2095.2 | 1871.0 | 1704.2 | 1701.6 | 1871.0 | 2095.2 | 2089.9 | 2110.8 | 2183.7 |
| 32.5°  | 2371.4 | 2209.8 | 1957.0 | 1803.3 | 1644.3 | 1641.7 | 1852.8 | 2032.6 | 2027.4 | 2056.1 | 2110.8 |
| 35°    | 2301.0 | 2092.6 | 1769.4 | 1725.1 | 1568.7 | 1571.3 | 1808.5 | 1959.6 | 1962.3 | 1988.3 | 2022.2 |
| 37.5°  | 2228.1 | 1990.9 | 1563.6 | 1639.1 | 1495.8 | 1495.8 | 1748.5 | 1891.9 | 1886.7 | 1894.5 | 1941.4 |
| 40°    | 2142.1 | 1831.9 | 1381.1 | 1527.1 | 1428.0 | 1420.2 | 1675.6 | 1818.9 | 1800.6 | 1798.1 | 1863.2 |
| 42.5°  | 2050.8 | 1657.3 | 1245.6 | 1378.5 | 1349.9 | 1339.4 | 1587.0 | 1730.3 | 1696.5 | 1704.2 | 1787.6 |
| 45°    | 1951.8 | 1610.5 | 1141.4 | 1164.9 | 1269.0 | 1261.3 | 1490.6 | 1628.7 | 1605.2 | 1626.1 | 1712.1 |
| 47.5°  | 1852.8 | 1516.6 | 1107.5 | 966.8  | 1183.1 | 1180.5 | 1383.8 | 1529.7 | 1516.6 | 1537.5 | 1628.7 |
| 50°    | 1717.3 | 1412.4 | 1104.9 | 828.7  | 1086.6 | 1097.1 | 1256.0 | 1433.3 | 1433.3 | 1451.4 | 1547.9 |
| 52.5°  | 1542.7 | 1284.7 | 1003.2 | 750.5  | 974.6  | 1005.9 | 1144.0 | 1349.9 | 1355.0 | 1373.3 | 1459.3 |
| 55°    | 1383.8 | 1151.8 | 930.3  | 690.5  | 841.7  | 909.4  | 1034.6 | 1263.9 | 1274.3 | 1292.5 | 1370.7 |
| 57.5°  | 1237.8 | 959.0  | 914.7  | 620.2  | 719.3  | 784.4  | 938.1  | 1180.5 | 1185.6 | 1201.4 | 1276.9 |
| 60°    | 1081.5 | 693.2  | 839.1  | 544.6  | 612.4  | 661.9  | 849.5  | 1081.5 | 1099.7 | 1110.1 | 1175.3 |
| 62.5°  | 904.2  | 503.0  | 760.9  | 492.5  | 560.3  | 570.7  | 776.5  | 987.6  | 1011.1 | 1018.9 | 1058.0 |
| 65°    | 643.6  | 422.2  | 646.3  | 448.2  | 505.5  | 508.1  | 698.4  | 891.2  | 912.1  | 925.1  | 953.7  |
| 67.5°  | 435.2  | 344.0  | 492.5  | 406.5  | 463.8  | 466.5  | 622.8  | 779.2  | 807.8  | 818.3  | 836.5  |
| 70°    | 302.3  | 229.3  | 364.8  | 362.2  | 417.0  | 422.2  | 542.0  | 677.5  | 703.6  | 711.4  | 721.8  |
| 72.5°  | 221.5  | 185.0  | 302.3  | 325.7  | 367.4  | 372.7  | 458.6  | 562.9  | 588.9  | 596.8  | 602.0  |
| 75°    | 169.4  | 195.4  | 244.9  | 284.1  | 312.7  | 315.3  | 375.2  | 458.6  | 476.9  | 482.1  | 484.7  |
| 77.5°  | 135.5  | 182.4  | 179.8  | 229.3  | 255.4  | 250.2  | 294.4  | 354.4  | 370.1  | 370.1  | 370.1  |
| 80°    | 101.6  | 143.3  | 135.5  | 164.2  | 187.6  | 182.4  | 211.1  | 252.8  | 258.0  | 263.2  | 260.6  |
| 82.5°  | 75.5   | 91.2   | 91.2   | 104.3  | 125.0  | 119.9  | 140.8  | 164.2  | 164.2  | 164.2  | 169.4  |
| 85°    | 46.9   | 52.1   | 41.7   | 54.7   | 70.4   | 67.8   | 78.2   | 88.6   | 91.2   | 91.2   | 86.0   |
| 87.5°  | 28.6   | 23.5   | 13.0   | 20.9   | 31.3   | 31.3   | 36.5   | 39.1   | 36.5   | 36.5   | 36.5   |
| 90°    | 24.9   | 17.3   | 9.6    | 17.3   | 24.9   | 26.9   | 42.3   | 62.8   | 73.0   | 64.9   | 48.7   |
| 92.5°  | 169.1  | 103.7  | 38.4   | 103.7  | 169.1  | 185.4  | 260.6  | 361.0  | 411.1  | 360.3  | 258.7  |
| 95°    | 331.3  | 211.8  | 92.2   | 211.8  | 331.3  | 361.1  | 641.3  | 1014.8 | 1201.6 | 1072.2 | 813.6  |
| 97.5°  | 370.4  | 264.9  | 159.5  | 264.9  | 370.4  | 396.7  | 863.9  | 1486.7 | 1798.1 | 1716.3 | 1552.9 |
| 100°   | 402.6  | 306.9  | 211.3  | 306.9  | 402.6  | 426.5  | 944.9  | 1635.9 | 1981.5 | 1987.5 | 1999.5 |
| 102.5° | 433.9  | 344.7  | 255.5  | 344.7  | 433.9  | 456.2  | 982.0  | 1682.9 | 2033.4 | 2137.6 | 2345.9 |
| 105°   | 481.6  | 405.9  | 330.4  | 405.9  | 481.6  | 500.4  | 1009.5 | 1688.2 | 2027.6 | 2261.2 | 2728.2 |
| 107.5° | 548.1  | 477.7  | 407.3  | 477.7  | 548.1  | 565.7  | 1014.6 | 1613.2 | 1912.4 | 2238.1 | 2889.6 |
| 110°   | 586.4  | 522.8  | 459.2  | 522.8  | 586.4  | 602.2  | 1006.9 | 1546.5 | 1816.4 | 2180.5 | 2908.8 |



TEST NUMBER: P936124

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**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 631.2  | 570.6  | 510.0  | 570.6  | 631.2  | 646.4  | 1007.2 | 1488.3 | 1728.9 | 2101.6 | 2846.9 |
| 115°   | 698.7  | 642.8  | 586.9  | 642.8  | 698.7  | 712.7  | 1016.6 | 1421.7 | 1624.2 | 1983.2 | 2701.2 |
| 117.5° | 764.4  | 713.6  | 662.7  | 713.6  | 764.4  | 777.1  | 1035.4 | 1379.9 | 1552.2 | 1876.2 | 2524.2 |
| 120°   | 802.6  | 754.8  | 706.9  | 754.8  | 802.6  | 814.5  | 1050.8 | 1365.8 | 1523.4 | 1819.4 | 2411.6 |
| 122.5° | 846.6  | 798.4  | 750.1  | 798.4  | 846.6  | 858.7  | 1072.9 | 1358.5 | 1501.3 | 1767.8 | 2301.1 |
| 125°   | 904.4  | 860.4  | 816.4  | 860.4  | 904.4  | 915.4  | 1102.6 | 1352.4 | 1477.2 | 1703.7 | 2156.6 |
| 127.5° | 959.0  | 914.6  | 870.3  | 914.6  | 959.0  | 970.1  | 1132.4 | 1348.9 | 1457.1 | 1651.5 | 2040.4 |
| 130°   | 994.7  | 946.9  | 899.1  | 946.9  | 994.7  | 1006.6 | 1154.2 | 1351.0 | 1449.4 | 1622.5 | 1968.7 |
| 132.5° | 1024.5 | 976.7  | 928.9  | 976.7  | 1024.5 | 1036.4 | 1171.9 | 1352.4 | 1442.7 | 1597.6 | 1907.5 |
| 135°   | 1060.1 | 1016.6 | 973.0  | 1016.6 | 1060.1 | 1071.0 | 1191.0 | 1351.1 | 1431.1 | 1560.9 | 1820.5 |
| 137.5° | 1104.3 | 1061.3 | 1018.2 | 1061.3 | 1104.3 | 1115.1 | 1219.8 | 1359.4 | 1429.3 | 1539.0 | 1758.4 |
| 140°   | 1135.0 | 1095.3 | 1055.6 | 1095.3 | 1135.0 | 1144.9 | 1237.5 | 1360.8 | 1422.5 | 1517.3 | 1706.9 |
| 142.5° | 1157.8 | 1121.1 | 1084.4 | 1121.1 | 1157.8 | 1167.0 | 1252.2 | 1365.7 | 1422.5 | 1505.7 | 1672.2 |
| 145°   | 1192.7 | 1160.6 | 1128.6 | 1160.6 | 1192.7 | 1200.7 | 1271.4 | 1365.7 | 1412.9 | 1480.9 | 1617.2 |
| 147.5° | 1235.2 | 1204.0 | 1172.8 | 1204.0 | 1235.2 | 1242.9 | 1299.6 | 1375.1 | 1412.9 | 1466.5 | 1573.6 |
| 150°   | 1257.9 | 1229.8 | 1201.6 | 1229.8 | 1257.9 | 1265.0 | 1314.2 | 1380.0 | 1412.9 | 1458.1 | 1548.6 |
| 152.5° | 1274.1 | 1252.7 | 1231.4 | 1252.7 | 1274.1 | 1279.4 | 1323.9 | 1383.2 | 1412.9 | 1451.5 | 1528.8 |
| 155°   | 1307.2 | 1291.4 | 1275.6 | 1291.4 | 1307.2 | 1311.1 | 1345.0 | 1390.2 | 1412.9 | 1443.6 | 1505.1 |
| 157.5° | 1339.0 | 1323.6 | 1308.2 | 1323.6 | 1339.0 | 1342.8 | 1366.1 | 1397.3 | 1412.9 | 1436.8 | 1484.6 |
| 160°   | 1354.2 | 1342.3 | 1330.3 | 1342.3 | 1354.2 | 1357.2 | 1375.8 | 1400.5 | 1412.9 | 1433.4 | 1474.4 |
| 162.5° | 1370.4 | 1361.4 | 1352.4 | 1361.4 | 1370.4 | 1372.6 | 1386.0 | 1403.9 | 1412.9 | 1430.2 | 1464.8 |
| 165°   | 1392.6 | 1384.5 | 1376.4 | 1384.5 | 1392.6 | 1394.6 | 1400.7 | 1408.8 | 1412.9 | 1425.3 | 1450.1 |
| 167.5° | 1406.2 | 1402.3 | 1398.5 | 1402.3 | 1406.2 | 1407.2 | 1412.3 | 1419.1 | 1422.5 | 1430.6 | 1446.8 |
| 170°   | 1420.6 | 1416.7 | 1412.9 | 1416.7 | 1420.6 | 1421.6 | 1421.9 | 1422.3 | 1422.5 | 1430.6 | 1446.8 |
| 172.5° | 1422.3 | 1421.4 | 1420.6 | 1421.4 | 1422.3 | 1422.5 | 1422.5 | 1422.5 | 1422.5 | 1428.9 | 1441.7 |
| 175°   | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1428.3 | 1424.4 | 1422.5 | 1426.6 | 1434.7 |
| 177.5° | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1428.9 | 1425.9 | 1424.4 | 1427.7 | 1434.0 |
| 180°   | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 |



TEST NUMBER: P936124

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**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 |
| 2.5°   | 2658.0 | 2650.2 | 2660.6 | 2631.9 | 2660.6 | 2650.2 | 2658.0 | 2676.3 | 2660.6 | 2671.1 | 2681.4 |
| 5°     | 2332.3 | 2319.2 | 2277.6 | 2243.7 | 2277.6 | 2319.2 | 2332.3 | 2387.0 | 2413.0 | 2460.0 | 2522.5 |
| 7.5°   | 2084.7 | 2074.3 | 2063.8 | 2043.0 | 2063.8 | 2074.3 | 2084.7 | 2100.3 | 2126.4 | 2168.1 | 2215.0 |
| 10°    | 2030.0 | 2032.6 | 2048.2 | 2045.7 | 2048.2 | 2032.6 | 2030.0 | 2024.8 | 2016.9 | 2024.8 | 2053.4 |
| 12.5°  | 2170.7 | 2194.2 | 2280.1 | 2275.0 | 2280.1 | 2194.2 | 2170.7 | 2066.4 | 1996.1 | 1983.1 | 1988.3 |
| 15°    | 2332.3 | 2340.1 | 2358.4 | 2361.0 | 2358.4 | 2340.1 | 2332.3 | 2290.6 | 2079.5 | 1988.3 | 1959.6 |
| 17.5°  | 2347.9 | 2350.5 | 2363.5 | 2363.5 | 2363.5 | 2350.5 | 2347.9 | 2329.6 | 2259.3 | 2136.8 | 1975.3 |
| 20°    | 2334.9 | 2340.1 | 2366.1 | 2371.4 | 2366.1 | 2340.1 | 2334.9 | 2311.5 | 2272.3 | 2228.1 | 2105.6 |
| 22.5°  | 2329.6 | 2340.1 | 2361.0 | 2358.4 | 2361.0 | 2340.1 | 2329.6 | 2293.2 | 2259.3 | 2228.1 | 2178.6 |
| 25°    | 2303.6 | 2303.6 | 2306.2 | 2308.8 | 2306.2 | 2303.6 | 2303.6 | 2275.0 | 2207.2 | 2199.4 | 2170.7 |
| 27.5°  | 2248.9 | 2254.1 | 2269.7 | 2267.1 | 2269.7 | 2254.1 | 2248.9 | 2238.5 | 2165.5 | 2157.7 | 2136.8 |
| 30°    | 2199.4 | 2194.2 | 2181.1 | 2170.7 | 2181.1 | 2194.2 | 2199.4 | 2183.7 | 2110.8 | 2089.9 | 2095.2 |
| 32.5°  | 2116.0 | 2102.9 | 2089.9 | 2082.1 | 2089.9 | 2102.9 | 2116.0 | 2110.8 | 2056.1 | 2027.4 | 2032.6 |
| 35°    | 2016.9 | 2019.6 | 2016.9 | 2009.2 | 2016.9 | 2019.6 | 2016.9 | 2022.2 | 1988.3 | 1962.3 | 1959.6 |
| 37.5°  | 1946.6 | 1951.8 | 1949.2 | 1938.8 | 1949.2 | 1951.8 | 1946.6 | 1941.4 | 1894.5 | 1886.7 | 1891.9 |
| 40°    | 1873.6 | 1876.3 | 1873.6 | 1865.8 | 1873.6 | 1876.3 | 1873.6 | 1863.2 | 1798.1 | 1800.6 | 1818.9 |
| 42.5°  | 1803.3 | 1800.6 | 1792.9 | 1787.6 | 1792.9 | 1800.6 | 1803.3 | 1787.6 | 1704.2 | 1696.5 | 1730.3 |
| 45°    | 1722.5 | 1725.1 | 1709.5 | 1701.6 | 1709.5 | 1725.1 | 1722.5 | 1712.1 | 1626.1 | 1605.2 | 1628.7 |
| 47.5°  | 1641.7 | 1641.7 | 1628.7 | 1620.9 | 1628.7 | 1641.7 | 1641.7 | 1628.7 | 1537.5 | 1516.6 | 1529.7 |
| 50°    | 1555.7 | 1553.1 | 1534.8 | 1532.3 | 1534.8 | 1553.1 | 1555.7 | 1547.9 | 1451.4 | 1433.3 | 1433.3 |
| 52.5°  | 1456.7 | 1456.7 | 1459.3 | 1464.5 | 1459.3 | 1456.7 | 1456.7 | 1459.3 | 1373.3 | 1355.0 | 1349.9 |
| 55°    | 1370.7 | 1373.3 | 1391.5 | 1396.8 | 1391.5 | 1373.3 | 1370.7 | 1370.7 | 1292.5 | 1274.3 | 1263.9 |
| 57.5°  | 1282.1 | 1282.1 | 1295.1 | 1295.1 | 1295.1 | 1282.1 | 1282.1 | 1276.9 | 1201.4 | 1185.6 | 1180.5 |
| 60°    | 1180.5 | 1185.6 | 1196.1 | 1193.5 | 1196.1 | 1185.6 | 1180.5 | 1175.3 | 1110.1 | 1099.7 | 1081.5 |
| 62.5°  | 1073.6 | 1078.8 | 1081.5 | 1076.2 | 1081.5 | 1078.8 | 1073.6 | 1058.0 | 1018.9 | 1011.1 | 987.6  |
| 65°    | 961.6  | 966.8  | 969.4  | 964.2  | 969.4  | 966.8  | 961.6  | 953.7  | 925.1  | 912.1  | 891.2  |
| 67.5°  | 846.9  | 844.3  | 841.7  | 852.2  | 841.7  | 844.3  | 846.9  | 836.5  | 818.3  | 807.8  | 779.2  |
| 70°    | 729.7  | 729.7  | 727.0  | 732.3  | 727.0  | 729.7  | 729.7  | 721.8  | 711.4  | 703.6  | 677.5  |
| 72.5°  | 604.6  | 602.0  | 612.4  | 604.6  | 612.4  | 602.0  | 604.6  | 602.0  | 596.8  | 588.9  | 562.9  |
| 75°    | 482.1  | 487.3  | 482.1  | 489.9  | 482.1  | 487.3  | 482.1  | 484.7  | 482.1  | 476.9  | 458.6  |
| 77.5°  | 367.4  | 372.7  | 367.4  | 367.4  | 367.4  | 372.7  | 367.4  | 370.1  | 370.1  | 370.1  | 354.4  |
| 80°    | 260.6  | 258.0  | 258.0  | 255.4  | 258.0  | 258.0  | 260.6  | 260.6  | 263.2  | 258.0  | 252.8  |
| 82.5°  | 166.8  | 164.2  | 164.2  | 169.4  | 164.2  | 164.2  | 166.8  | 169.4  | 164.2  | 164.2  | 164.2  |
| 85°    | 91.2   | 93.8   | 88.6   | 88.6   | 88.6   | 93.8   | 91.2   | 86.0   | 91.2   | 91.2   | 88.6   |
| 87.5°  | 33.9   | 31.3   | 31.3   | 31.3   | 31.3   | 31.3   | 33.9   | 36.5   | 36.5   | 36.5   | 39.1   |
| 90°    | 36.5   | 36.5   | 36.5   | 36.5   | 36.5   | 36.5   | 36.5   | 48.7   | 64.9   | 73.0   | 62.8   |
| 92.5°  | 182.5  | 175.3  | 146.2  | 117.2  | 146.2  | 175.3  | 182.5  | 258.7  | 360.3  | 411.1  | 361.0  |
| 95°    | 619.5  | 597.5  | 509.6  | 421.7  | 509.6  | 597.5  | 619.5  | 813.6  | 1072.2 | 1201.6 | 1014.8 |
| 97.5°  | 1430.2 | 1388.4 | 1221.0 | 1053.7 | 1221.0 | 1388.4 | 1430.2 | 1552.9 | 1716.3 | 1798.1 | 1486.7 |
| 100°   | 2008.4 | 1958.6 | 1759.2 | 1559.9 | 1759.2 | 1958.6 | 2008.4 | 1999.5 | 1987.5 | 1981.5 | 1635.9 |
| 102.5° | 2502.1 | 2459.5 | 2288.7 | 2118.0 | 2288.7 | 2459.5 | 2502.1 | 2345.9 | 2137.6 | 2033.4 | 1682.9 |
| 105°   | 3078.5 | 3055.5 | 2963.7 | 2871.9 | 2963.7 | 3055.5 | 3078.5 | 2728.2 | 2261.2 | 2027.6 | 1688.2 |
| 107.5° | 3378.1 | 3383.7 | 3405.9 | 3428.0 | 3405.9 | 3383.7 | 3378.1 | 2889.6 | 2238.1 | 1912.4 | 1613.2 |
| 110°   | 3455.0 | 3478.9 | 3574.5 | 3670.1 | 3574.5 | 3478.9 | 3455.0 | 2908.8 | 2180.5 | 1816.4 | 1546.5 |



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**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 3405.9 | 3442.7 | 3589.5 | 3736.3 | 3589.5 | 3442.7 | 3405.9 | 2846.9 | 2101.6 | 1728.9 | 1488.3 |
| 115°   | 3239.8 | 3290.7 | 3494.3 | 3697.9 | 3494.3 | 3290.7 | 3239.8 | 2701.2 | 1983.2 | 1624.2 | 1421.7 |
| 117.5° | 3010.2 | 3066.7 | 3292.5 | 3518.4 | 3292.5 | 3066.7 | 3010.2 | 2524.2 | 1876.2 | 1552.2 | 1379.9 |
| 120°   | 2855.6 | 2910.4 | 3129.9 | 3349.3 | 3129.9 | 2910.4 | 2855.6 | 2411.6 | 1819.4 | 1523.4 | 1365.8 |
| 122.5° | 2700.9 | 2755.1 | 2971.5 | 3188.0 | 2971.5 | 2755.1 | 2700.9 | 2301.1 | 1767.8 | 1501.3 | 1358.5 |
| 125°   | 2496.3 | 2546.2 | 2745.6 | 2944.9 | 2745.6 | 2546.2 | 2496.3 | 2156.6 | 1703.7 | 1477.2 | 1352.4 |
| 127.5° | 2332.1 | 2374.1 | 2542.4 | 2710.6 | 2542.4 | 2374.1 | 2332.1 | 2040.4 | 1651.5 | 1457.1 | 1348.9 |
| 130°   | 2228.4 | 2267.3 | 2422.7 | 2578.0 | 2422.7 | 2267.3 | 2228.4 | 1968.7 | 1622.5 | 1449.4 | 1351.0 |
| 132.5° | 2140.0 | 2174.8 | 2313.9 | 2453.1 | 2313.9 | 2174.8 | 2140.0 | 1907.5 | 1597.6 | 1442.7 | 1352.4 |
| 135°   | 2015.2 | 2045.1 | 2165.1 | 2285.1 | 2165.1 | 2045.1 | 2015.2 | 1820.5 | 1560.9 | 1431.1 | 1351.1 |
| 137.5° | 1922.9 | 1947.5 | 2045.7 | 2143.8 | 2045.7 | 1947.5 | 1922.9 | 1758.4 | 1539.0 | 1429.3 | 1359.4 |
| 140°   | 1849.0 | 1871.9 | 1963.7 | 2055.5 | 1963.7 | 1871.9 | 1849.0 | 1706.9 | 1517.3 | 1422.5 | 1360.8 |
| 142.5° | 1797.1 | 1816.8 | 1895.8 | 1974.8 | 1895.8 | 1816.8 | 1797.1 | 1672.2 | 1505.7 | 1422.5 | 1365.7 |
| 145°   | 1719.3 | 1734.3 | 1794.0 | 1853.8 | 1794.0 | 1734.3 | 1719.3 | 1617.2 | 1480.9 | 1412.9 | 1365.7 |
| 147.5° | 1654.0 | 1666.4 | 1715.9 | 1765.4 | 1715.9 | 1666.4 | 1654.0 | 1573.6 | 1466.5 | 1412.9 | 1375.1 |
| 150°   | 1616.5 | 1626.5 | 1666.7 | 1706.9 | 1666.7 | 1626.5 | 1616.5 | 1548.6 | 1458.1 | 1412.9 | 1380.0 |
| 152.5° | 1586.7 | 1594.3 | 1624.6 | 1655.0 | 1624.6 | 1594.3 | 1586.7 | 1528.8 | 1451.5 | 1412.9 | 1383.2 |
| 155°   | 1551.2 | 1556.2 | 1576.3 | 1596.4 | 1576.3 | 1556.2 | 1551.2 | 1505.1 | 1443.6 | 1412.9 | 1390.2 |
| 157.5° | 1520.5 | 1524.1 | 1538.1 | 1552.2 | 1538.1 | 1524.1 | 1520.5 | 1484.6 | 1436.8 | 1412.9 | 1397.3 |
| 160°   | 1505.1 | 1507.1 | 1515.3 | 1523.4 | 1515.3 | 1507.1 | 1505.1 | 1474.4 | 1433.4 | 1412.9 | 1400.5 |
| 162.5° | 1490.7 | 1492.6 | 1500.3 | 1508.0 | 1500.3 | 1492.6 | 1490.7 | 1464.8 | 1430.2 | 1412.9 | 1403.9 |
| 165°   | 1468.6 | 1470.6 | 1478.8 | 1486.9 | 1478.8 | 1470.6 | 1468.6 | 1450.1 | 1425.3 | 1412.9 | 1408.8 |
| 167.5° | 1459.0 | 1459.8 | 1463.3 | 1466.7 | 1463.3 | 1459.8 | 1459.0 | 1446.8 | 1430.6 | 1422.5 | 1419.1 |
| 170°   | 1459.0 | 1459.0 | 1459.0 | 1459.0 | 1459.0 | 1459.0 | 1459.0 | 1446.8 | 1430.6 | 1422.5 | 1422.3 |
| 172.5° | 1451.3 | 1450.5 | 1447.6 | 1444.6 | 1447.6 | 1450.5 | 1451.3 | 1441.7 | 1428.9 | 1422.5 | 1422.5 |
| 175°   | 1440.7 | 1440.7 | 1440.7 | 1440.7 | 1440.7 | 1440.7 | 1440.7 | 1434.7 | 1426.6 | 1422.5 | 1424.4 |
| 177.5° | 1438.8 | 1438.0 | 1434.5 | 1431.1 | 1434.5 | 1438.0 | 1438.8 | 1434.0 | 1427.7 | 1424.4 | 1425.9 |
| 180°   | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 |



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**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 0°     | 2754.4 | 2754.4 | 2754.4 | 2754.4 | 2754.4 |
| 2.5°   | 2720.6 | 2733.6 | 2741.4 | 2751.8 | 2777.9 |
| 5°     | 2616.3 | 2665.8 | 2681.4 | 2720.6 | 2767.5 |
| 7.5°   | 2387.0 | 2538.2 | 2579.8 | 2673.7 | 2746.6 |
| 10°    | 2165.5 | 2316.6 | 2389.6 | 2611.1 | 2720.6 |
| 12.5°  | 2053.4 | 2142.1 | 2191.6 | 2501.7 | 2684.1 |
| 15°    | 1983.1 | 2045.7 | 2082.1 | 2355.7 | 2642.4 |
| 17.5°  | 1928.4 | 1972.7 | 1998.7 | 2212.4 | 2585.0 |
| 20°    | 1894.5 | 1915.3 | 1938.8 | 2108.2 | 2519.9 |
| 22.5°  | 1871.0 | 1858.0 | 1876.3 | 2035.2 | 2431.3 |
| 25°    | 1855.4 | 1805.9 | 1826.7 | 1977.9 | 2327.1 |
| 27.5°  | 1868.4 | 1759.0 | 1766.8 | 1925.8 | 2217.6 |
| 30°    | 1871.0 | 1701.6 | 1704.2 | 1871.0 | 2095.2 |
| 32.5°  | 1852.8 | 1641.7 | 1644.3 | 1803.3 | 1957.0 |
| 35°    | 1808.5 | 1571.3 | 1568.7 | 1725.1 | 1769.4 |
| 37.5°  | 1748.5 | 1495.8 | 1495.8 | 1639.1 | 1563.6 |
| 40°    | 1675.6 | 1420.2 | 1428.0 | 1527.1 | 1381.1 |
| 42.5°  | 1587.0 | 1339.4 | 1349.9 | 1378.5 | 1245.6 |
| 45°    | 1490.6 | 1261.3 | 1269.0 | 1164.9 | 1141.4 |
| 47.5°  | 1383.8 | 1180.5 | 1183.1 | 966.8  | 1107.5 |
| 50°    | 1256.0 | 1097.1 | 1086.6 | 828.7  | 1104.9 |
| 52.5°  | 1144.0 | 1005.9 | 974.6  | 750.5  | 1003.2 |
| 55°    | 1034.6 | 909.4  | 841.7  | 690.5  | 930.3  |
| 57.5°  | 938.1  | 784.4  | 719.3  | 620.2  | 914.7  |
| 60°    | 849.5  | 661.9  | 612.4  | 544.6  | 839.1  |
| 62.5°  | 776.5  | 570.7  | 560.3  | 492.5  | 760.9  |
| 65°    | 698.4  | 508.1  | 505.5  | 448.2  | 646.3  |
| 67.5°  | 622.8  | 466.5  | 463.8  | 406.5  | 492.5  |
| 70°    | 542.0  | 422.2  | 417.0  | 362.2  | 364.8  |
| 72.5°  | 458.6  | 372.7  | 367.4  | 325.7  | 302.3  |
| 75°    | 375.2  | 315.3  | 312.7  | 284.1  | 244.9  |
| 77.5°  | 294.4  | 250.2  | 255.4  | 229.3  | 179.8  |
| 80°    | 211.1  | 182.4  | 187.6  | 164.2  | 135.5  |
| 82.5°  | 140.8  | 119.9  | 125.0  | 104.3  | 91.2   |
| 85°    | 78.2   | 67.8   | 70.4   | 54.7   | 41.7   |
| 87.5°  | 36.5   | 31.3   | 31.3   | 20.9   | 13.0   |
| 90°    | 42.3   | 26.9   | 24.9   | 17.3   | 9.6    |
| 92.5°  | 260.6  | 185.4  | 169.1  | 103.7  | 38.4   |
| 95°    | 641.3  | 361.1  | 331.3  | 211.8  | 92.2   |
| 97.5°  | 863.9  | 396.7  | 370.4  | 264.9  | 159.5  |
| 100°   | 944.9  | 426.5  | 402.6  | 306.9  | 211.3  |
| 102.5° | 982.0  | 456.2  | 433.9  | 344.7  | 255.5  |
| 105°   | 1009.5 | 500.4  | 481.6  | 405.9  | 330.4  |
| 107.5° | 1014.6 | 565.7  | 548.1  | 477.7  | 407.3  |
| 110°   | 1006.9 | 602.2  | 586.4  | 522.8  | 459.2  |



TEST NUMBER: P936124

CATALOG NUMBER: SQ4-FA-150U-125D-927-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 1007.2 | 646.4  | 631.2  | 570.6  | 510.0  |
| 115°   | 1016.6 | 712.7  | 698.7  | 642.8  | 586.9  |
| 117.5° | 1035.4 | 777.1  | 764.4  | 713.6  | 662.7  |
| 120°   | 1050.8 | 814.5  | 802.6  | 754.8  | 706.9  |
| 122.5° | 1072.9 | 858.7  | 846.6  | 798.4  | 750.1  |
| 125°   | 1102.6 | 915.4  | 904.4  | 860.4  | 816.4  |
| 127.5° | 1132.4 | 970.1  | 959.0  | 914.6  | 870.3  |
| 130°   | 1154.2 | 1006.6 | 994.7  | 946.9  | 899.1  |
| 132.5° | 1171.9 | 1036.4 | 1024.5 | 976.7  | 928.9  |
| 135°   | 1191.0 | 1071.0 | 1060.1 | 1016.6 | 973.0  |
| 137.5° | 1219.8 | 1115.1 | 1104.3 | 1061.3 | 1018.2 |
| 140°   | 1237.5 | 1144.9 | 1135.0 | 1095.3 | 1055.6 |
| 142.5° | 1252.2 | 1167.0 | 1157.8 | 1121.1 | 1084.4 |
| 145°   | 1271.4 | 1200.7 | 1192.7 | 1160.6 | 1128.6 |
| 147.5° | 1299.6 | 1242.9 | 1235.2 | 1204.0 | 1172.8 |
| 150°   | 1314.2 | 1265.0 | 1257.9 | 1229.8 | 1201.6 |
| 152.5° | 1323.9 | 1279.4 | 1274.1 | 1252.7 | 1231.4 |
| 155°   | 1345.0 | 1311.1 | 1307.2 | 1291.4 | 1275.6 |
| 157.5° | 1366.1 | 1342.8 | 1339.0 | 1323.6 | 1308.2 |
| 160°   | 1375.8 | 1357.2 | 1354.2 | 1342.3 | 1330.3 |
| 162.5° | 1386.0 | 1372.6 | 1370.4 | 1361.4 | 1352.4 |
| 165°   | 1400.7 | 1394.6 | 1392.6 | 1384.5 | 1376.4 |
| 167.5° | 1412.3 | 1407.2 | 1406.2 | 1402.3 | 1398.5 |
| 170°   | 1421.9 | 1421.6 | 1420.6 | 1416.7 | 1412.9 |
| 172.5° | 1422.5 | 1422.5 | 1422.3 | 1421.4 | 1420.6 |
| 175°   | 1428.3 | 1431.1 | 1431.1 | 1431.1 | 1431.1 |
| 177.5° | 1428.9 | 1431.1 | 1431.1 | 1431.1 | 1431.1 |
| 180°   | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 |



TEST NUMBER: P936124  
 CATALOG NUMBER: SQ4-FA-150U-125D-927-1D-UNV-STD-W-8

**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 | 13.03            | 13.84 | 14.04 | 14.86 | 16.22 | 15.87          | 16.67 | 16.88 | 17.69 | 19.05 |
|                 | 3H   | 13.50            | 14.22 | 14.52 | 15.25 | 16.63 | 17.21          | 17.93 | 18.23 | 18.96 | 20.34 |
|                 | 4H   | 13.69            | 14.37 | 14.72 | 15.41 | 16.79 | 17.65          | 18.34 | 18.69 | 19.37 | 20.76 |
|                 | 6H   | 13.81            | 14.44 | 14.85 | 15.47 | 16.87 | 17.94          | 18.57 | 18.98 | 19.60 | 21.00 |
|                 | 8H   | 13.81            | 14.40 | 14.85 | 15.46 | 16.85 | 18.01          | 18.61 | 19.06 | 19.66 | 21.06 |
|                 | 12H  | 13.77            | 14.34 | 14.83 | 15.39 | 16.81 | 18.05          | 18.62 | 19.10 | 19.67 | 21.09 |
| 4H              | 2H   | 14.06            | 14.74 | 15.10 | 15.77 | 17.16 | 16.27          | 16.95 | 17.31 | 17.98 | 19.37 |
|                 | 3H   | 15.08            | 15.65 | 16.13 | 16.71 | 18.11 | 17.77          | 18.34 | 18.82 | 19.40 | 20.80 |
|                 | 4H   | 15.35            | 15.87 | 16.41 | 16.93 | 18.35 | 18.30          | 18.82 | 19.35 | 19.87 | 21.30 |
|                 | 6H   | 15.47            | 15.92 | 16.54 | 17.00 | 18.42 | 18.66          | 19.11 | 19.73 | 20.19 | 21.61 |
|                 | 8H   | 15.48            | 15.90 | 16.54 | 16.96 | 18.40 | 18.77          | 19.19 | 19.83 | 20.26 | 21.69 |
|                 | 12H  | 15.44            | 15.82 | 16.53 | 16.90 | 18.34 | 18.82          | 19.20 | 19.91 | 20.28 | 21.72 |
| 8H              | 4H   | 15.80            | 16.22 | 16.87 | 17.29 | 18.72 | 18.42          | 18.84 | 19.48 | 19.90 | 21.34 |
|                 | 6H   | 16.06            | 16.41 | 17.15 | 17.52 | 18.95 | 18.85          | 19.20 | 19.94 | 20.31 | 21.74 |
|                 | 8H   | 16.10            | 16.41 | 17.20 | 17.50 | 18.95 | 19.01          | 19.31 | 20.10 | 20.40 | 21.85 |
|                 | 12H  | 16.09            | 16.35 | 17.18 | 17.44 | 18.93 | 19.10          | 19.37 | 20.20 | 20.46 | 21.95 |
| 12H             | 4H   | 15.81            | 16.18 | 16.89 | 17.27 | 18.71 | 18.38          | 18.76 | 19.46 | 19.84 | 21.28 |
|                 | 6H   | 16.12            | 16.43 | 17.22 | 17.52 | 18.97 | 18.85          | 19.16 | 19.95 | 20.25 | 21.70 |
|                 | 8H   | 16.19            | 16.45 | 17.29 | 17.54 | 19.03 | 19.01          | 19.28 | 20.11 | 20.37 | 21.86 |