

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: P935193

Luminaire Tested: SQ4-FA-100U-075D-B2750-1D-UNV-W2A-W-8-3000K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P935193  
REPORT IS A COMBINATION OF REPORTS P933744 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-075D-B2750-1D-UNV-W2A-W-8-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

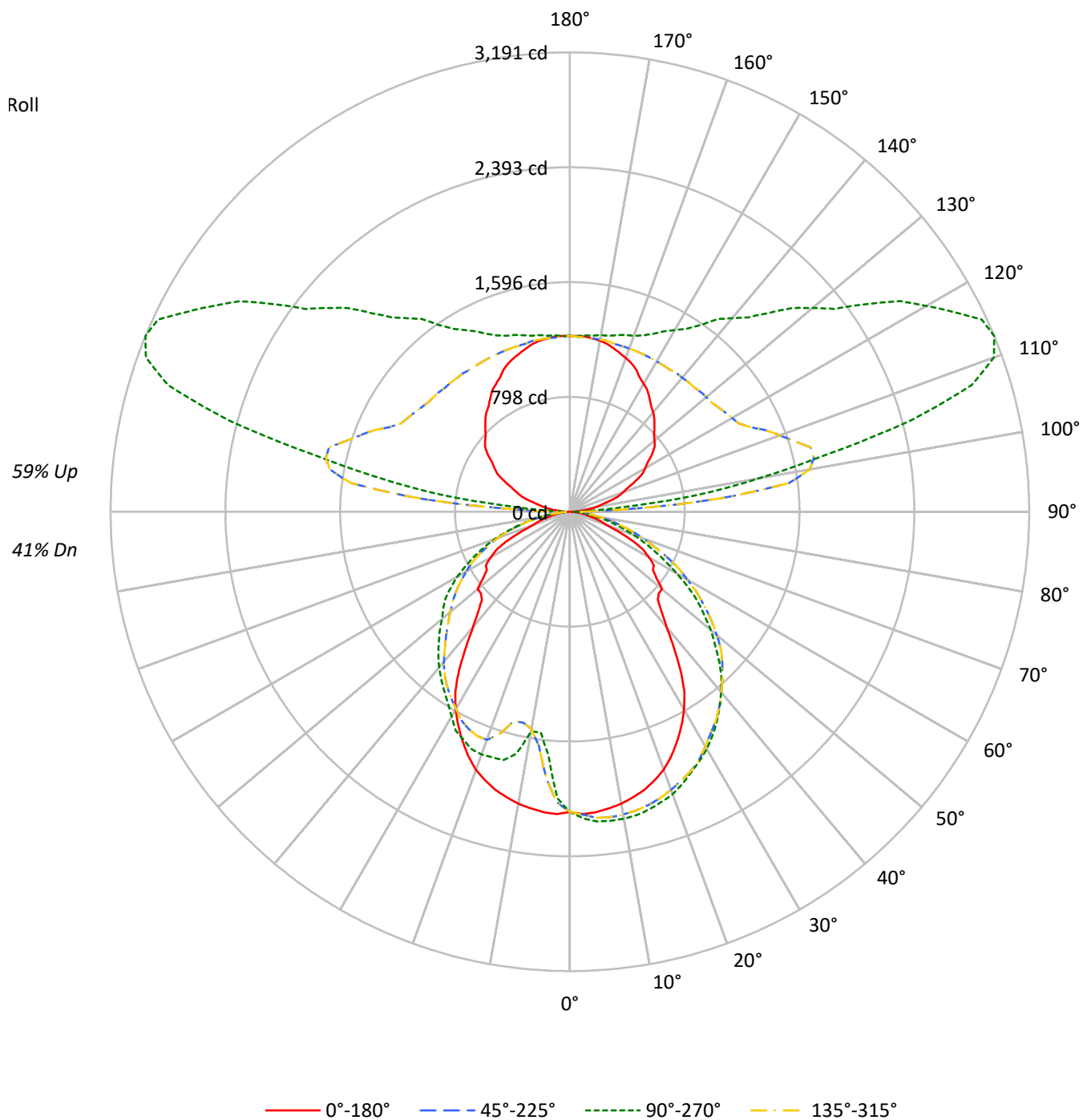
Lumens per Lamp: N/A  
Luminaire Lumens: 13331.7 lumens  
Efficiency: N/A  
Efficacy: 135.5 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 98.4  
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

TEST NUMBER: P935193

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-W2A-W-8-3000K

### Luminous Intensity Polar Plot



TEST NUMBER: P935193

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-W2A-W-8-3000K

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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    |    | 20 |    |    |    |    | 20 |    |    |    |    | 20 |
| RC  | 80  |     |     |     | 70 |    |    |    |    | 50 |    |    |    |    | 30 |    |    |    |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 105 | 105 | 105 | 105 | 96 | 96 | 96 | 96 | 78 | 78 | 78 | 62 | 62 | 62 | 47 | 47 | 47 |    |    | 41 |
| 1   | 96  | 91  | 88  | 84  | 87 | 83 | 80 | 77 | 68 | 66 | 64 | 55 | 53 | 52 | 42 | 41 | 40 |    |    | 34 |
| 2   | 87  | 80  | 74  | 69  | 79 | 73 | 68 | 63 | 60 | 56 | 53 | 48 | 45 | 43 | 37 | 35 | 34 |    |    | 29 |
| 3   | 79  | 70  | 63  | 57  | 72 | 64 | 58 | 53 | 53 | 48 | 45 | 42 | 39 | 37 | 33 | 31 | 29 |    |    | 24 |
| 4   | 73  | 62  | 54  | 48  | 66 | 57 | 50 | 45 | 47 | 42 | 38 | 38 | 34 | 31 | 29 | 27 | 25 |    |    | 21 |
| 5   | 67  | 55  | 47  | 41  | 60 | 51 | 44 | 38 | 42 | 37 | 33 | 34 | 30 | 27 | 26 | 24 | 22 |    |    | 18 |
| 6   | 61  | 49  | 41  | 36  | 56 | 45 | 38 | 33 | 38 | 32 | 28 | 31 | 27 | 24 | 24 | 21 | 19 |    |    | 16 |
| 7   | 57  | 45  | 37  | 31  | 51 | 41 | 34 | 29 | 34 | 29 | 25 | 28 | 24 | 21 | 22 | 19 | 17 |    |    | 14 |
| 8   | 52  | 40  | 33  | 27  | 48 | 37 | 30 | 26 | 31 | 26 | 22 | 25 | 21 | 18 | 20 | 17 | 15 |    |    | 13 |
| 9   | 49  | 37  | 29  | 24  | 44 | 34 | 27 | 23 | 28 | 23 | 20 | 23 | 19 | 17 | 18 | 16 | 13 |    |    | 11 |
| 10  | 46  | 34  | 26  | 22  | 41 | 31 | 25 | 20 | 26 | 21 | 18 | 21 | 18 | 15 | 17 | 14 | 12 |    |    | 10 |

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

|     | 0°   | 90°  | 180° | 270° |
|-----|------|------|------|------|
| 0°  | 9670 | 9670 | 9670 | 9670 |
| 5°  | 9743 | 9762 | 9743 | 7676 |
| 10° | 9678 | 9616 | 9678 | 6874 |
| 15° | 9572 | 9407 | 9572 | 7855 |
| 20° | 9372 | 9161 | 9372 | 7872 |
| 25° | 8962 | 8801 | 8962 | 7705 |
| 30° | 8433 | 8502 | 8433 | 7339 |
| 35° | 7518 | 8124 | 7518 | 6936 |
| 40° | 6265 | 7679 | 6265 | 6632 |
| 45° | 5597 | 7158 | 5597 | 6282 |
| 50° | 5946 | 6537 | 5946 | 5932 |
| 55° | 5595 | 5868 | 5595 | 5729 |
| 60° | 5767 | 4983 | 5767 | 5247 |
| 65° | 5229 | 4119 | 5229 | 4605 |
| 70° | 3621 | 3283 | 3621 | 3860 |
| 75° | 3175 | 2427 | 3175 | 2906 |
| 80° | 2557 | 1605 | 2557 | 1747 |
| 85° | 1472 | 850  | 1472 | 722  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 8578 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 188.1   | 1.4       |
| 10°-20°   | 534.2   | 4.0       |
| 20°-30°   | 825.8   | 6.2       |
| 30°-40°   | 985.8   | 7.4       |
| 40°-50°   | 991.6   | 7.4       |
| 50°-60°   | 862.8   | 6.5       |
| 60°-70°   | 611.8   | 4.6       |
| 70°-80°   | 323.7   | 2.4       |
| 80°-90°   | 85.3    | 0.6       |
| 90°-100°  | 595.8   | 4.5       |
| 100°-110° | 1566.2  | 11.7      |
| 110°-120° | 1624.0  | 12.2      |
| 120°-130° | 1302.7  | 9.8       |
| 130°-140° | 1022.1  | 7.7       |
| 140°-150° | 784.5   | 5.9       |
| 150°-160° | 565.0   | 4.2       |
| 160°-170° | 345.7   | 2.6       |
| 170°-180° | 116.8   | 0.9       |
| 0°-30°    | 1548.1  | 11.6      |
| 0°-40°    | 2533.9  | 19.0      |
| 0°-60°    | 4388.3  | 32.9      |
| 0°-90°    | 5408.9  | 40.6      |
| 90°-120°  | 3786.0  | 28.4      |
| 90°-150°  | 6895.3  | 51.7      |
| 90°-180°  | 7923.0  | 59.4      |
| 0°-180°   | 13331.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 2084 | 2084 | 2084 | 2084 | 2084 |      |
| 5°   | 2094 | 2159 | 2094 | 1698 | 2094 | 199  |
| 15°  | 2000 | 2140 | 2000 | 1786 | 2000 | 563  |
| 25°  | 1761 | 1996 | 1761 | 1747 | 1761 | 809  |
| 35°  | 1339 | 1781 | 1339 | 1520 | 1339 | 828  |
| 45°  | 864  | 1467 | 864  | 1288 | 864  | 692  |
| 55°  | 704  | 1083 | 704  | 1057 | 704  | 647  |
| 65°  | 489  | 653  | 489  | 730  | 489  | 467  |
| 75°  | 185  | 310  | 185  | 371  | 185  | 195  |
| 85°  | 32   | 79   | 32   | 67   | 32   | 43   |
| 90°  | 8    | 31   | 8    | 31   | 8    | 8    |
| 95°  | 79   | 360  | 79   | 360  | 79   | 87   |
| 105° | 282  | 2452 | 282  | 2452 | 282  | 299  |
| 115° | 501  | 3158 | 501  | 3158 | 501  | 495  |
| 125° | 697  | 2515 | 697  | 2515 | 697  | 619  |
| 135° | 831  | 1951 | 831  | 1951 | 831  | 643  |
| 145° | 964  | 1583 | 964  | 1583 | 964  | 604  |
| 155° | 1089 | 1363 | 1089 | 1363 | 1089 | 500  |
| 165° | 1175 | 1270 | 1175 | 1270 | 1175 | 332  |
| 175° | 1222 | 1230 | 1222 | 1230 | 1222 | 116  |
| 180° | 1222 | 1222 | 1222 | 1222 | 1222 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 |
| 2.5°   | 2102.1 | 2102.1 | 2113.9 | 2117.8 | 2117.8 | 2111.9 | 2106.0 | 2111.9 | 2129.7 | 2135.6 | 2133.6 |
| 5°     | 2094.2 | 2109.9 | 2131.6 | 2135.6 | 2139.5 | 2137.5 | 2133.6 | 2137.5 | 2157.3 | 2161.2 | 2163.2 |
| 7.5°   | 2078.4 | 2108.0 | 2135.6 | 2141.5 | 2147.4 | 2141.5 | 2139.5 | 2143.5 | 2163.2 | 2167.1 | 2167.1 |
| 10°    | 2058.7 | 2100.1 | 2131.6 | 2135.6 | 2141.5 | 2135.6 | 2135.6 | 2143.5 | 2163.2 | 2167.1 | 2169.1 |
| 12.5°  | 2031.1 | 2088.2 | 2117.8 | 2121.8 | 2129.7 | 2127.7 | 2125.7 | 2133.6 | 2153.3 | 2157.3 | 2157.3 |
| 15°    | 1999.5 | 2066.6 | 2094.2 | 2098.1 | 2111.9 | 2108.0 | 2108.0 | 2115.9 | 2137.5 | 2143.5 | 2141.5 |
| 17.5°  | 1956.1 | 2038.9 | 2070.5 | 2076.4 | 2086.3 | 2084.3 | 2086.3 | 2094.2 | 2113.9 | 2117.8 | 2119.8 |
| 20°    | 1906.8 | 2001.5 | 2038.9 | 2044.9 | 2054.7 | 2054.7 | 2054.7 | 2064.6 | 2084.3 | 2092.2 | 2092.2 |
| 22.5°  | 1839.8 | 1962.0 | 2001.5 | 2005.4 | 2017.3 | 2017.3 | 2021.2 | 2035.0 | 2052.8 | 2054.7 | 2054.7 |
| 25°    | 1760.9 | 1918.7 | 1952.2 | 1964.0 | 1975.8 | 1981.8 | 1987.7 | 1995.6 | 2001.5 | 1999.5 | 2001.5 |
| 27.5°  | 1678.1 | 1863.4 | 1906.8 | 1914.7 | 1930.5 | 1936.4 | 1944.3 | 1946.3 | 1948.2 | 1954.2 | 1950.2 |
| 30°    | 1585.4 | 1786.5 | 1851.6 | 1859.5 | 1885.1 | 1889.1 | 1881.2 | 1885.1 | 1895.0 | 1898.9 | 1902.9 |
| 32.5°  | 1480.9 | 1672.2 | 1794.4 | 1812.2 | 1835.8 | 1824.0 | 1822.0 | 1827.9 | 1843.7 | 1843.7 | 1847.7 |
| 35°    | 1338.9 | 1583.4 | 1741.2 | 1757.0 | 1774.7 | 1760.9 | 1768.8 | 1770.8 | 1780.6 | 1786.5 | 1784.6 |
| 37.5°  | 1183.1 | 1506.5 | 1686.0 | 1697.8 | 1711.6 | 1693.8 | 1705.7 | 1711.6 | 1719.5 | 1715.5 | 1715.5 |
| 40°    | 1045.2 | 1386.2 | 1620.9 | 1628.8 | 1640.6 | 1626.8 | 1638.6 | 1642.6 | 1646.5 | 1642.6 | 1640.6 |
| 42.5°  | 942.6  | 1254.1 | 1551.9 | 1561.7 | 1553.8 | 1563.7 | 1567.6 | 1575.5 | 1569.6 | 1561.7 | 1561.7 |
| 45°    | 863.7  | 1218.6 | 1476.9 | 1488.8 | 1476.9 | 1492.7 | 1498.6 | 1498.6 | 1480.9 | 1476.9 | 1475.0 |
| 47.5°  | 838.1  | 1147.7 | 1402.0 | 1402.0 | 1396.1 | 1415.8 | 1425.7 | 1411.9 | 1394.1 | 1388.2 | 1388.2 |
| 50°    | 836.1  | 1068.8 | 1299.4 | 1291.6 | 1319.2 | 1342.8 | 1333.0 | 1319.2 | 1305.4 | 1283.7 | 1283.7 |
| 52.5°  | 759.2  | 972.2  | 1167.4 | 1196.9 | 1240.3 | 1254.1 | 1238.3 | 1224.5 | 1200.8 | 1191.0 | 1183.1 |
| 55°    | 704.0  | 871.6  | 1047.1 | 1106.3 | 1151.6 | 1169.4 | 1139.8 | 1126.0 | 1090.5 | 1084.6 | 1080.7 |
| 57.5°  | 692.2  | 725.7  | 936.7  | 1011.6 | 1066.9 | 1064.9 | 1047.1 | 1021.5 | 991.9  | 986.0  | 984.0  |
| 60°    | 635.0  | 524.6  | 818.4  | 907.1  | 964.3  | 958.4  | 942.6  | 919.0  | 891.3  | 887.4  | 883.5  |
| 62.5°  | 575.8  | 380.6  | 684.3  | 784.9  | 865.7  | 863.7  | 849.9  | 814.4  | 794.7  | 784.9  | 777.0  |
| 65°    | 489.1  | 319.5  | 487.1  | 652.7  | 769.1  | 773.0  | 743.4  | 717.8  | 696.1  | 684.3  | 682.3  |
| 67.5°  | 372.7  | 260.3  | 329.3  | 544.3  | 676.4  | 672.5  | 635.0  | 623.2  | 595.5  | 589.6  | 577.8  |
| 70°    | 276.1  | 173.5  | 228.8  | 441.7  | 585.7  | 575.8  | 546.2  | 532.4  | 506.8  | 493.0  | 485.1  |
| 72.5°  | 228.8  | 140.0  | 167.6  | 343.1  | 493.0  | 481.2  | 455.5  | 439.8  | 418.1  | 406.2  | 398.3  |
| 75°    | 185.4  | 147.9  | 128.2  | 254.4  | 400.3  | 392.4  | 368.8  | 353.0  | 335.2  | 319.5  | 321.4  |
| 77.5°  | 136.1  | 138.0  | 102.5  | 187.3  | 317.5  | 305.7  | 291.9  | 272.1  | 264.2  | 248.5  | 248.5  |
| 80°    | 102.5  | 108.5  | 76.9   | 128.2  | 228.8  | 228.8  | 216.9  | 203.1  | 189.3  | 181.4  | 181.4  |
| 82.5°  | 69.0   | 69.0   | 57.2   | 80.9   | 155.8  | 149.9  | 142.0  | 138.0  | 130.2  | 126.2  | 126.2  |
| 85°    | 31.6   | 39.4   | 35.5   | 49.3   | 84.8   | 88.7   | 88.7   | 84.8   | 82.8   | 78.9   | 80.9   |
| 87.5°  | 9.9    | 17.7   | 21.7   | 27.6   | 43.4   | 45.4   | 47.3   | 47.3   | 47.3   | 49.3   | 49.3   |
| 90°    | 8.2    | 14.8   | 21.3   | 23.0   | 36.1   | 53.5   | 62.3   | 55.4   | 41.5   | 31.2   | 31.2   |
| 92.5°  | 32.8   | 88.6   | 144.4  | 158.4  | 222.5  | 308.2  | 351.0  | 307.6  | 221.0  | 155.9  | 149.7  |
| 95°    | 78.8   | 180.8  | 282.9  | 308.4  | 547.6  | 866.6  | 1026.1 | 915.7  | 694.7  | 529.1  | 510.4  |
| 97.5°  | 136.2  | 226.2  | 316.3  | 338.8  | 737.7  | 1269.6 | 1535.5 | 1465.7 | 1326.1 | 1221.4 | 1185.7 |
| 100°   | 180.4  | 262.1  | 343.8  | 364.2  | 806.8  | 1397.1 | 1692.2 | 1697.3 | 1707.5 | 1715.1 | 1672.6 |
| 102.5° | 218.2  | 294.3  | 370.5  | 389.6  | 838.5  | 1437.1 | 1736.4 | 1825.4 | 2003.4 | 2136.8 | 2100.3 |
| 105°   | 282.2  | 346.7  | 411.2  | 427.3  | 862.1  | 1441.7 | 1731.5 | 1930.9 | 2329.7 | 2628.9 | 2609.3 |
| 107.5° | 347.8  | 407.9  | 468.1  | 483.1  | 866.5  | 1377.5 | 1633.1 | 1911.3 | 2467.6 | 2884.7 | 2889.5 |
| 110°   | 392.0  | 446.4  | 500.7  | 514.3  | 859.9  | 1320.6 | 1551.1 | 1862.1 | 2483.9 | 2950.4 | 2970.8 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 435.5  | 487.3  | 539.1  | 552.1  | 860.2  | 1271.1 | 1476.4 | 1794.7 | 2431.2 | 2908.6 | 2940.0 |
| 115°   | 501.2  | 548.9  | 596.7  | 608.7  | 868.1  | 1214.1 | 1387.0 | 1693.7 | 2306.8 | 2766.7 | 2810.2 |
| 117.5° | 566.0  | 609.3  | 652.7  | 663.6  | 884.2  | 1178.4 | 1325.5 | 1602.2 | 2155.6 | 2570.6 | 2618.8 |
| 120°   | 603.7  | 644.5  | 685.4  | 695.5  | 897.4  | 1166.4 | 1300.9 | 1553.7 | 2059.4 | 2438.6 | 2485.4 |
| 122.5° | 640.6  | 681.8  | 723.0  | 733.3  | 916.2  | 1160.0 | 1282.0 | 1509.7 | 1965.0 | 2306.5 | 2352.8 |
| 125°   | 697.2  | 734.8  | 772.3  | 781.7  | 941.6  | 1154.9 | 1261.5 | 1454.9 | 1841.7 | 2131.8 | 2174.4 |
| 127.5° | 743.1  | 781.0  | 819.0  | 828.4  | 967.1  | 1151.9 | 1244.3 | 1410.4 | 1742.5 | 1991.5 | 2027.4 |
| 130°   | 767.7  | 808.5  | 849.3  | 859.6  | 985.6  | 1153.7 | 1237.7 | 1385.5 | 1681.2 | 1903.0 | 1936.1 |
| 132.5° | 793.1  | 834.0  | 874.8  | 885.0  | 1000.7 | 1154.9 | 1232.0 | 1364.3 | 1629.0 | 1827.5 | 1857.1 |
| 135°   | 830.9  | 868.1  | 905.3  | 914.6  | 1017.2 | 1153.8 | 1222.1 | 1333.0 | 1554.6 | 1720.9 | 1746.5 |
| 137.5° | 869.5  | 906.2  | 943.1  | 952.3  | 1041.7 | 1160.9 | 1220.5 | 1314.1 | 1501.6 | 1642.1 | 1663.1 |
| 140°   | 901.4  | 935.3  | 969.2  | 977.7  | 1056.7 | 1162.1 | 1214.8 | 1295.7 | 1457.6 | 1579.0 | 1598.6 |
| 142.5° | 926.1  | 957.4  | 988.8  | 996.6  | 1069.3 | 1166.2 | 1214.8 | 1285.8 | 1428.0 | 1534.7 | 1551.6 |
| 145°   | 963.8  | 991.1  | 1018.5 | 1025.3 | 1085.8 | 1166.3 | 1206.6 | 1264.7 | 1381.0 | 1468.3 | 1481.0 |
| 147.5° | 1001.5 | 1028.1 | 1054.7 | 1061.4 | 1109.8 | 1174.3 | 1206.6 | 1252.3 | 1343.8 | 1412.4 | 1423.0 |
| 150°   | 1026.1 | 1050.2 | 1074.2 | 1080.3 | 1122.4 | 1178.5 | 1206.6 | 1245.2 | 1322.5 | 1380.5 | 1389.1 |
| 152.5° | 1051.6 | 1069.8 | 1088.1 | 1092.6 | 1130.5 | 1181.2 | 1206.6 | 1239.6 | 1305.6 | 1355.1 | 1361.6 |
| 155°   | 1089.2 | 1102.7 | 1116.3 | 1119.6 | 1148.6 | 1187.2 | 1206.6 | 1232.8 | 1285.3 | 1324.7 | 1328.9 |
| 157.5° | 1117.1 | 1130.3 | 1143.5 | 1146.7 | 1166.6 | 1193.3 | 1206.6 | 1227.0 | 1267.8 | 1298.5 | 1301.4 |
| 160°   | 1136.1 | 1146.3 | 1156.5 | 1159.0 | 1174.9 | 1196.0 | 1206.6 | 1224.1 | 1259.1 | 1285.3 | 1287.1 |
| 162.5° | 1154.9 | 1162.6 | 1170.3 | 1172.2 | 1183.6 | 1198.9 | 1206.6 | 1221.4 | 1250.8 | 1273.0 | 1274.7 |
| 165°   | 1175.4 | 1182.3 | 1189.2 | 1191.0 | 1196.2 | 1203.1 | 1206.6 | 1217.1 | 1238.3 | 1254.2 | 1256.0 |
| 167.5° | 1194.2 | 1197.5 | 1200.8 | 1201.6 | 1206.0 | 1211.8 | 1214.8 | 1221.7 | 1235.6 | 1245.9 | 1246.6 |
| 170°   | 1206.6 | 1209.8 | 1213.2 | 1214.0 | 1214.3 | 1214.6 | 1214.8 | 1221.7 | 1235.6 | 1245.9 | 1245.9 |
| 172.5° | 1213.2 | 1213.9 | 1214.6 | 1214.8 | 1214.8 | 1214.8 | 1214.8 | 1220.3 | 1231.2 | 1239.4 | 1238.8 |
| 175°   | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1219.7 | 1216.4 | 1214.8 | 1218.2 | 1225.1 | 1230.3 | 1230.3 |
| 177.5° | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1220.3 | 1217.7 | 1216.4 | 1219.2 | 1224.6 | 1228.8 | 1228.1 |
| 180°   | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 |

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CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-W2A-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 |
| 2.5°   | 2137.5 | 2131.6 | 2137.5 | 2133.6 | 2135.6 | 2129.7 | 2111.9 | 2106.0 | 2111.9 | 2117.8 | 2117.8 |
| 5°     | 2163.2 | 2159.2 | 2163.2 | 2163.2 | 2161.2 | 2157.3 | 2137.5 | 2133.6 | 2137.5 | 2139.5 | 2135.6 |
| 7.5°   | 2171.1 | 2165.2 | 2171.1 | 2167.1 | 2167.1 | 2163.2 | 2143.5 | 2139.5 | 2141.5 | 2147.4 | 2141.5 |
| 10°    | 2171.1 | 2165.2 | 2171.1 | 2169.1 | 2167.1 | 2163.2 | 2143.5 | 2135.6 | 2135.6 | 2141.5 | 2135.6 |
| 12.5°  | 2161.2 | 2157.3 | 2161.2 | 2157.3 | 2157.3 | 2153.3 | 2133.6 | 2125.7 | 2127.7 | 2129.7 | 2121.8 |
| 15°    | 2145.4 | 2139.5 | 2145.4 | 2141.5 | 2143.5 | 2137.5 | 2115.9 | 2108.0 | 2108.0 | 2111.9 | 2098.1 |
| 17.5°  | 2121.8 | 2113.9 | 2121.8 | 2119.8 | 2117.8 | 2113.9 | 2094.2 | 2086.3 | 2084.3 | 2086.3 | 2076.4 |
| 20°    | 2094.2 | 2088.2 | 2094.2 | 2092.2 | 2092.2 | 2084.3 | 2064.6 | 2054.7 | 2054.7 | 2054.7 | 2044.9 |
| 22.5°  | 2050.8 | 2044.9 | 2050.8 | 2054.7 | 2054.7 | 2052.8 | 2035.0 | 2021.2 | 2017.3 | 2017.3 | 2005.4 |
| 25°    | 2001.5 | 1995.6 | 2001.5 | 2001.5 | 1999.5 | 2001.5 | 1995.6 | 1987.7 | 1981.8 | 1975.8 | 1964.0 |
| 27.5°  | 1954.2 | 1950.2 | 1954.2 | 1950.2 | 1954.2 | 1948.2 | 1946.3 | 1944.3 | 1936.4 | 1930.5 | 1914.7 |
| 30°    | 1906.8 | 1902.9 | 1906.8 | 1902.9 | 1898.9 | 1895.0 | 1885.1 | 1881.2 | 1889.1 | 1885.1 | 1859.5 |
| 32.5°  | 1847.7 | 1843.7 | 1847.7 | 1847.7 | 1843.7 | 1843.7 | 1827.9 | 1822.0 | 1824.0 | 1835.8 | 1812.2 |
| 35°    | 1786.5 | 1780.6 | 1786.5 | 1784.6 | 1786.5 | 1780.6 | 1770.8 | 1768.8 | 1760.9 | 1774.7 | 1757.0 |
| 37.5°  | 1715.5 | 1709.6 | 1715.5 | 1715.5 | 1715.5 | 1719.5 | 1711.6 | 1705.7 | 1693.8 | 1711.6 | 1697.8 |
| 40°    | 1642.6 | 1634.7 | 1642.6 | 1640.6 | 1642.6 | 1646.5 | 1642.6 | 1638.6 | 1626.8 | 1640.6 | 1628.8 |
| 42.5°  | 1559.8 | 1557.8 | 1559.8 | 1561.7 | 1561.7 | 1569.6 | 1575.5 | 1567.6 | 1563.7 | 1553.8 | 1561.7 |
| 45°    | 1471.0 | 1467.1 | 1471.0 | 1475.0 | 1476.9 | 1480.9 | 1498.6 | 1498.6 | 1492.7 | 1476.9 | 1488.8 |
| 47.5°  | 1376.4 | 1366.5 | 1376.4 | 1388.2 | 1388.2 | 1394.1 | 1411.9 | 1425.7 | 1415.8 | 1396.1 | 1402.0 |
| 50°    | 1275.8 | 1277.8 | 1275.8 | 1283.7 | 1283.7 | 1305.4 | 1319.2 | 1333.0 | 1342.8 | 1319.2 | 1291.6 |
| 52.5°  | 1177.2 | 1175.3 | 1177.2 | 1183.1 | 1191.0 | 1200.8 | 1224.5 | 1238.3 | 1254.1 | 1240.3 | 1196.9 |
| 55°    | 1078.7 | 1082.6 | 1078.7 | 1080.7 | 1084.6 | 1090.5 | 1126.0 | 1139.8 | 1169.4 | 1151.6 | 1106.3 |
| 57.5°  | 980.1  | 974.2  | 980.1  | 984.0  | 986.0  | 991.9  | 1021.5 | 1047.1 | 1064.9 | 1066.9 | 1011.6 |
| 60°    | 865.7  | 857.8  | 865.7  | 883.5  | 887.4  | 891.3  | 919.0  | 942.6  | 958.4  | 964.3  | 907.1  |
| 62.5°  | 765.1  | 751.3  | 765.1  | 777.0  | 784.9  | 794.7  | 814.4  | 849.9  | 863.7  | 865.7  | 784.9  |
| 65°    | 658.6  | 652.7  | 658.6  | 682.3  | 684.3  | 696.1  | 717.8  | 743.4  | 773.0  | 769.1  | 652.7  |
| 67.5°  | 562.0  | 562.0  | 562.0  | 577.8  | 589.6  | 595.5  | 623.2  | 635.0  | 672.5  | 676.4  | 544.3  |
| 70°    | 473.3  | 471.3  | 473.3  | 485.1  | 493.0  | 506.8  | 532.4  | 546.2  | 575.8  | 585.7  | 441.7  |
| 72.5°  | 388.5  | 386.5  | 388.5  | 398.3  | 406.2  | 418.1  | 439.8  | 455.5  | 481.2  | 493.0  | 343.1  |
| 75°    | 313.5  | 309.6  | 313.5  | 321.4  | 319.5  | 335.2  | 353.0  | 368.8  | 392.4  | 400.3  | 254.4  |
| 77.5°  | 240.6  | 240.6  | 240.6  | 248.5  | 248.5  | 264.2  | 272.1  | 291.9  | 305.7  | 317.5  | 187.3  |
| 80°    | 179.5  | 177.5  | 179.5  | 181.4  | 181.4  | 189.3  | 203.1  | 216.9  | 228.8  | 228.8  | 128.2  |
| 82.5°  | 126.2  | 122.3  | 126.2  | 126.2  | 126.2  | 130.2  | 138.0  | 142.0  | 149.9  | 155.8  | 80.9   |
| 85°    | 78.9   | 78.9   | 78.9   | 80.9   | 78.9   | 82.8   | 84.8   | 88.7   | 88.7   | 84.8   | 49.3   |
| 87.5°  | 51.3   | 49.3   | 51.3   | 49.3   | 49.3   | 47.3   | 47.3   | 47.3   | 45.4   | 43.4   | 27.6   |
| 90°    | 31.2   | 31.2   | 31.2   | 31.2   | 31.2   | 41.5   | 55.4   | 62.3   | 53.5   | 36.1   | 23.0   |
| 92.5°  | 124.9  | 100.1  | 124.9  | 149.7  | 155.9  | 221.0  | 307.6  | 351.0  | 308.2  | 222.5  | 158.4  |
| 95°    | 435.2  | 360.1  | 435.2  | 510.4  | 529.1  | 694.7  | 915.7  | 1026.1 | 866.6  | 547.6  | 308.4  |
| 97.5°  | 1042.7 | 899.8  | 1042.7 | 1185.7 | 1221.4 | 1326.1 | 1465.7 | 1535.5 | 1269.6 | 737.7  | 338.8  |
| 100°   | 1502.4 | 1332.1 | 1502.4 | 1672.6 | 1715.1 | 1707.5 | 1697.3 | 1692.2 | 1397.1 | 806.8  | 364.2  |
| 102.5° | 1954.4 | 1808.6 | 1954.4 | 2100.3 | 2136.8 | 2003.4 | 1825.4 | 1736.4 | 1437.1 | 838.5  | 389.6  |
| 105°   | 2530.9 | 2452.5 | 2530.9 | 2609.3 | 2628.9 | 2329.7 | 1930.9 | 1731.5 | 1441.7 | 862.1  | 427.3  |
| 107.5° | 2908.5 | 2927.4 | 2908.5 | 2889.5 | 2884.7 | 2467.6 | 1911.3 | 1633.1 | 1377.5 | 866.5  | 483.1  |
| 110°   | 3052.5 | 3134.1 | 3052.5 | 2970.8 | 2950.4 | 2483.9 | 1862.1 | 1551.1 | 1320.6 | 859.9  | 514.3  |

TEST NUMBER: P935193

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-W2A-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 3065.3 | 3190.7 | 3065.3 | 2940.0 | 2908.6 | 2431.2 | 1794.7 | 1476.4 | 1271.1 | 860.2  | 552.1  |
| 115°   | 2984.0 | 3158.0 | 2984.0 | 2810.2 | 2766.7 | 2306.8 | 1693.7 | 1387.0 | 1214.1 | 868.1  | 608.7  |
| 117.5° | 2811.7 | 3004.5 | 2811.7 | 2618.8 | 2570.6 | 2155.6 | 1602.2 | 1325.5 | 1178.4 | 884.2  | 663.6  |
| 120°   | 2672.8 | 2860.2 | 2672.8 | 2485.4 | 2438.6 | 2059.4 | 1553.7 | 1300.9 | 1166.4 | 897.4  | 695.5  |
| 122.5° | 2537.6 | 2722.3 | 2537.6 | 2352.8 | 2306.5 | 1965.0 | 1509.7 | 1282.0 | 1160.0 | 916.2  | 733.3  |
| 125°   | 2344.6 | 2514.9 | 2344.6 | 2174.4 | 2131.8 | 1841.7 | 1454.9 | 1261.5 | 1154.9 | 941.6  | 781.7  |
| 127.5° | 2171.1 | 2314.7 | 2171.1 | 2027.4 | 1991.5 | 1742.5 | 1410.4 | 1244.3 | 1151.9 | 967.1  | 828.4  |
| 130°   | 2068.8 | 2201.5 | 2068.8 | 1936.1 | 1903.0 | 1681.2 | 1385.5 | 1237.7 | 1153.7 | 985.6  | 859.6  |
| 132.5° | 1976.0 | 2094.9 | 1976.0 | 1857.1 | 1827.5 | 1629.0 | 1364.3 | 1232.0 | 1154.9 | 1000.7 | 885.0  |
| 135°   | 1848.9 | 1951.4 | 1848.9 | 1746.5 | 1720.9 | 1554.6 | 1333.0 | 1222.1 | 1153.8 | 1017.2 | 914.6  |
| 137.5° | 1746.9 | 1830.8 | 1746.9 | 1663.1 | 1642.1 | 1501.6 | 1314.1 | 1220.5 | 1160.9 | 1041.7 | 952.3  |
| 140°   | 1676.9 | 1755.3 | 1676.9 | 1598.6 | 1579.0 | 1457.6 | 1295.7 | 1214.8 | 1162.1 | 1056.7 | 977.7  |
| 142.5° | 1619.0 | 1686.5 | 1619.0 | 1551.6 | 1534.7 | 1428.0 | 1285.8 | 1214.8 | 1166.2 | 1069.3 | 996.6  |
| 145°   | 1532.0 | 1583.0 | 1532.0 | 1481.0 | 1468.3 | 1381.0 | 1264.7 | 1206.6 | 1166.3 | 1085.8 | 1025.3 |
| 147.5° | 1465.3 | 1507.6 | 1465.3 | 1423.0 | 1412.4 | 1343.8 | 1252.3 | 1206.6 | 1174.3 | 1109.8 | 1061.4 |
| 150°   | 1423.3 | 1457.6 | 1423.3 | 1389.1 | 1380.5 | 1322.5 | 1245.2 | 1206.6 | 1178.5 | 1122.4 | 1080.3 |
| 152.5° | 1387.4 | 1413.2 | 1387.4 | 1361.6 | 1355.1 | 1305.6 | 1239.6 | 1206.6 | 1181.2 | 1130.5 | 1092.6 |
| 155°   | 1346.1 | 1363.2 | 1346.1 | 1328.9 | 1324.7 | 1285.3 | 1232.8 | 1206.6 | 1187.2 | 1148.6 | 1119.6 |
| 157.5° | 1313.5 | 1325.5 | 1313.5 | 1301.4 | 1298.5 | 1267.8 | 1227.0 | 1206.6 | 1193.3 | 1166.6 | 1146.7 |
| 160°   | 1294.0 | 1300.9 | 1294.0 | 1287.1 | 1285.3 | 1259.1 | 1224.1 | 1206.6 | 1196.0 | 1174.9 | 1159.0 |
| 162.5° | 1281.2 | 1287.8 | 1281.2 | 1274.7 | 1273.0 | 1250.8 | 1221.4 | 1206.6 | 1198.9 | 1183.6 | 1172.2 |
| 165°   | 1262.9 | 1269.8 | 1262.9 | 1256.0 | 1254.2 | 1238.3 | 1217.1 | 1206.6 | 1203.1 | 1196.2 | 1191.0 |
| 167.5° | 1249.6 | 1252.5 | 1249.6 | 1246.6 | 1245.9 | 1235.6 | 1221.7 | 1214.8 | 1211.8 | 1206.0 | 1201.6 |
| 170°   | 1245.9 | 1245.9 | 1245.9 | 1245.9 | 1245.9 | 1235.6 | 1221.7 | 1214.8 | 1214.6 | 1214.3 | 1214.0 |
| 172.5° | 1236.2 | 1233.7 | 1236.2 | 1238.8 | 1239.4 | 1231.2 | 1220.3 | 1214.8 | 1214.8 | 1214.8 | 1214.8 |
| 175°   | 1230.3 | 1230.3 | 1230.3 | 1230.3 | 1230.3 | 1225.1 | 1218.2 | 1214.8 | 1216.4 | 1219.7 | 1222.1 |
| 177.5° | 1225.1 | 1222.1 | 1225.1 | 1228.1 | 1228.8 | 1224.6 | 1219.2 | 1216.4 | 1217.7 | 1220.3 | 1222.1 |
| 180°   | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 |

TEST NUMBER: P935193

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-W2A-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 |
| 2.5°   | 2113.9 | 2102.1 | 2102.1 | 2082.3 | 2074.4 | 2068.5 | 2058.7 | 2029.1 | 2021.2 | 2013.3 | 2025.1 |
| 5°     | 2131.6 | 2109.9 | 2094.2 | 2058.7 | 2029.1 | 2017.3 | 1979.8 | 1908.8 | 1861.5 | 1826.0 | 1806.3 |
| 7.5°   | 2135.6 | 2108.0 | 2078.4 | 2023.2 | 1952.2 | 1920.6 | 1806.3 | 1676.1 | 1640.6 | 1609.1 | 1589.3 |
| 10°    | 2131.6 | 2100.1 | 2058.7 | 1975.8 | 1808.2 | 1753.0 | 1638.6 | 1553.8 | 1532.1 | 1526.2 | 1532.1 |
| 12.5°  | 2117.8 | 2088.2 | 2031.1 | 1893.0 | 1658.4 | 1620.9 | 1553.8 | 1504.5 | 1500.6 | 1510.5 | 1563.7 |
| 15°    | 2094.2 | 2066.6 | 1999.5 | 1782.6 | 1575.5 | 1547.9 | 1500.6 | 1482.8 | 1504.5 | 1573.6 | 1733.3 |
| 17.5°  | 2070.5 | 2038.9 | 1956.1 | 1674.1 | 1512.4 | 1492.7 | 1459.2 | 1494.7 | 1616.9 | 1709.6 | 1762.9 |
| 20°    | 2038.9 | 2001.5 | 1906.8 | 1595.2 | 1467.1 | 1449.3 | 1433.5 | 1593.3 | 1686.0 | 1719.5 | 1749.1 |
| 22.5°  | 2001.5 | 1962.0 | 1839.8 | 1540.0 | 1419.7 | 1405.9 | 1415.8 | 1648.5 | 1686.0 | 1709.6 | 1735.3 |
| 25°    | 1952.2 | 1918.7 | 1760.9 | 1496.6 | 1382.3 | 1366.5 | 1404.0 | 1642.6 | 1664.3 | 1670.2 | 1721.5 |
| 27.5°  | 1906.8 | 1863.4 | 1678.1 | 1457.2 | 1336.9 | 1331.0 | 1413.8 | 1616.9 | 1632.7 | 1638.6 | 1693.8 |
| 30°    | 1851.6 | 1786.5 | 1585.4 | 1415.8 | 1289.6 | 1287.6 | 1415.8 | 1585.4 | 1581.4 | 1597.2 | 1652.4 |
| 32.5°  | 1794.4 | 1672.2 | 1480.9 | 1364.5 | 1244.2 | 1242.3 | 1402.0 | 1538.1 | 1534.1 | 1555.8 | 1597.2 |
| 35°    | 1741.2 | 1583.4 | 1338.9 | 1305.4 | 1187.0 | 1189.0 | 1368.5 | 1482.8 | 1484.8 | 1504.5 | 1530.2 |
| 37.5°  | 1686.0 | 1506.5 | 1183.1 | 1240.3 | 1131.9 | 1131.9 | 1323.1 | 1431.6 | 1427.6 | 1433.5 | 1469.0 |
| 40°    | 1620.9 | 1386.2 | 1045.2 | 1155.6 | 1080.7 | 1074.7 | 1267.9 | 1376.4 | 1362.6 | 1360.6 | 1409.9 |
| 42.5°  | 1551.9 | 1254.1 | 942.6  | 1043.2 | 1021.5 | 1013.6 | 1200.8 | 1309.3 | 1283.7 | 1289.6 | 1352.7 |
| 45°    | 1476.9 | 1218.6 | 863.7  | 881.5  | 960.4  | 954.4  | 1128.0 | 1232.4 | 1214.7 | 1230.4 | 1295.5 |
| 47.5°  | 1402.0 | 1147.7 | 838.1  | 731.6  | 895.3  | 893.3  | 1047.1 | 1157.6 | 1147.7 | 1163.5 | 1232.4 |
| 50°    | 1299.4 | 1068.8 | 836.1  | 627.1  | 822.3  | 830.2  | 950.5  | 1084.6 | 1084.6 | 1098.4 | 1171.4 |
| 52.5°  | 1167.4 | 972.2  | 759.2  | 567.9  | 737.5  | 761.2  | 865.7  | 1021.5 | 1025.4 | 1039.2 | 1104.3 |
| 55°    | 1047.1 | 871.6  | 704.0  | 522.6  | 637.0  | 688.2  | 782.9  | 956.4  | 964.3  | 978.1  | 1037.3 |
| 57.5°  | 936.7  | 725.7  | 692.2  | 469.3  | 544.3  | 593.6  | 709.9  | 893.3  | 897.3  | 909.1  | 966.3  |
| 60°    | 818.4  | 524.6  | 635.0  | 412.1  | 463.4  | 500.9  | 642.9  | 818.4  | 832.2  | 840.1  | 889.4  |
| 62.5°  | 684.3  | 380.6  | 575.8  | 372.7  | 424.0  | 431.9  | 587.7  | 747.4  | 765.1  | 771.1  | 800.6  |
| 65°    | 487.1  | 319.5  | 489.1  | 339.2  | 382.6  | 384.5  | 528.5  | 674.4  | 690.2  | 700.1  | 721.8  |
| 67.5°  | 329.3  | 260.3  | 372.7  | 307.6  | 351.0  | 353.0  | 471.3  | 589.6  | 611.3  | 619.2  | 633.0  |
| 70°    | 228.8  | 173.5  | 276.1  | 274.1  | 315.5  | 319.5  | 410.2  | 512.7  | 532.4  | 538.4  | 546.2  |
| 72.5°  | 167.6  | 140.0  | 228.8  | 246.5  | 278.1  | 282.0  | 347.1  | 426.0  | 445.7  | 451.6  | 455.5  |
| 75°    | 128.2  | 147.9  | 185.4  | 214.9  | 236.6  | 238.6  | 284.0  | 347.1  | 360.9  | 364.8  | 366.8  |
| 77.5°  | 102.5  | 138.0  | 136.1  | 173.5  | 193.3  | 189.3  | 222.8  | 268.2  | 280.0  | 280.0  | 280.0  |
| 80°    | 76.9   | 108.5  | 102.5  | 124.2  | 142.0  | 138.0  | 159.7  | 191.3  | 195.2  | 199.2  | 197.2  |
| 82.5°  | 57.2   | 69.0   | 69.0   | 78.9   | 94.7   | 90.7   | 106.5  | 124.2  | 124.2  | 124.2  | 128.2  |
| 85°    | 35.5   | 39.4   | 31.6   | 41.4   | 53.2   | 51.3   | 59.2   | 67.0   | 69.0   | 69.0   | 65.1   |
| 87.5°  | 21.7   | 17.7   | 9.9    | 15.8   | 23.7   | 23.7   | 27.6   | 29.6   | 27.6   | 27.6   | 27.6   |
| 90°    | 21.3   | 14.8   | 8.2    | 14.8   | 21.3   | 23.0   | 36.1   | 53.5   | 62.3   | 55.4   | 41.5   |
| 92.5°  | 144.4  | 88.6   | 32.8   | 88.6   | 144.4  | 158.4  | 222.5  | 308.2  | 351.0  | 307.6  | 221.0  |
| 95°    | 282.9  | 180.8  | 78.8   | 180.8  | 282.9  | 308.4  | 547.6  | 866.6  | 1026.1 | 915.7  | 694.7  |
| 97.5°  | 316.3  | 226.2  | 136.2  | 226.2  | 316.3  | 338.8  | 737.7  | 1269.6 | 1535.5 | 1465.7 | 1326.1 |
| 100°   | 343.8  | 262.1  | 180.4  | 262.1  | 343.8  | 364.2  | 806.8  | 1397.1 | 1692.2 | 1697.3 | 1707.5 |
| 102.5° | 370.5  | 294.3  | 218.2  | 294.3  | 370.5  | 389.6  | 838.5  | 1437.1 | 1736.4 | 1825.4 | 2003.4 |
| 105°   | 411.2  | 346.7  | 282.2  | 346.7  | 411.2  | 427.3  | 862.1  | 1441.7 | 1731.5 | 1930.9 | 2329.7 |
| 107.5° | 468.1  | 407.9  | 347.8  | 407.9  | 468.1  | 483.1  | 866.5  | 1377.5 | 1633.1 | 1911.3 | 2467.6 |
| 110°   | 500.7  | 446.4  | 392.0  | 446.4  | 500.7  | 514.3  | 859.9  | 1320.6 | 1551.1 | 1862.1 | 2483.9 |

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**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 539.1  | 487.3  | 435.5  | 487.3  | 539.1  | 552.1  | 860.2  | 1271.1 | 1476.4 | 1794.7 | 2431.2 |
| 115°   | 596.7  | 548.9  | 501.2  | 548.9  | 596.7  | 608.7  | 868.1  | 1214.1 | 1387.0 | 1693.7 | 2306.8 |
| 117.5° | 652.7  | 609.3  | 566.0  | 609.3  | 652.7  | 663.6  | 884.2  | 1178.4 | 1325.5 | 1602.2 | 2155.6 |
| 120°   | 685.4  | 644.5  | 603.7  | 644.5  | 685.4  | 695.5  | 897.4  | 1166.4 | 1300.9 | 1553.7 | 2059.4 |
| 122.5° | 723.0  | 681.8  | 640.6  | 681.8  | 723.0  | 733.3  | 916.2  | 1160.0 | 1282.0 | 1509.7 | 1965.0 |
| 125°   | 772.3  | 734.8  | 697.2  | 734.8  | 772.3  | 781.7  | 941.6  | 1154.9 | 1261.5 | 1454.9 | 1841.7 |
| 127.5° | 819.0  | 781.0  | 743.1  | 781.0  | 819.0  | 828.4  | 967.1  | 1151.9 | 1244.3 | 1410.4 | 1742.5 |
| 130°   | 849.3  | 808.5  | 767.7  | 808.5  | 849.3  | 859.6  | 985.6  | 1153.7 | 1237.7 | 1385.5 | 1681.2 |
| 132.5° | 874.8  | 834.0  | 793.1  | 834.0  | 874.8  | 885.0  | 1000.7 | 1154.9 | 1232.0 | 1364.3 | 1629.0 |
| 135°   | 905.3  | 868.1  | 830.9  | 868.1  | 905.3  | 914.6  | 1017.2 | 1153.8 | 1222.1 | 1333.0 | 1554.6 |
| 137.5° | 943.1  | 906.2  | 869.5  | 906.2  | 943.1  | 952.3  | 1041.7 | 1160.9 | 1220.5 | 1314.1 | 1501.6 |
| 140°   | 969.2  | 935.3  | 901.4  | 935.3  | 969.2  | 977.7  | 1056.7 | 1162.1 | 1214.8 | 1295.7 | 1457.6 |
| 142.5° | 988.8  | 957.4  | 926.1  | 957.4  | 988.8  | 996.6  | 1069.3 | 1166.2 | 1214.8 | 1285.8 | 1428.0 |
| 145°   | 1018.5 | 991.1  | 963.8  | 991.1  | 1018.5 | 1025.3 | 1085.8 | 1166.3 | 1206.6 | 1264.7 | 1381.0 |
| 147.5° | 1054.7 | 1028.1 | 1001.5 | 1028.1 | 1054.7 | 1061.4 | 1109.8 | 1174.3 | 1206.6 | 1252.3 | 1343.8 |
| 150°   | 1074.2 | 1050.2 | 1026.1 | 1050.2 | 1074.2 | 1080.3 | 1122.4 | 1178.5 | 1206.6 | 1245.2 | 1322.5 |
| 152.5° | 1088.1 | 1069.8 | 1051.6 | 1069.8 | 1088.1 | 1092.6 | 1130.5 | 1181.2 | 1206.6 | 1239.6 | 1305.6 |
| 155°   | 1116.3 | 1102.7 | 1089.2 | 1102.7 | 1116.3 | 1119.6 | 1148.6 | 1187.2 | 1206.6 | 1232.8 | 1285.3 |
| 157.5° | 1143.5 | 1130.3 | 1117.1 | 1130.3 | 1143.5 | 1146.7 | 1166.6 | 1193.3 | 1206.6 | 1227.0 | 1267.8 |
| 160°   | 1156.5 | 1146.3 | 1136.1 | 1146.3 | 1156.5 | 1159.0 | 1174.9 | 1196.0 | 1206.6 | 1224.1 | 1259.1 |
| 162.5° | 1170.3 | 1162.6 | 1154.9 | 1162.6 | 1170.3 | 1172.2 | 1183.6 | 1198.9 | 1206.6 | 1221.4 | 1250.8 |
| 165°   | 1189.2 | 1182.3 | 1175.4 | 1182.3 | 1189.2 | 1191.0 | 1196.2 | 1203.1 | 1206.6 | 1217.1 | 1238.3 |
| 167.5° | 1200.8 | 1197.5 | 1194.2 | 1197.5 | 1200.8 | 1201.6 | 1206.0 | 1211.8 | 1214.8 | 1221.7 | 1235.6 |
| 170°   | 1213.2 | 1209.8 | 1206.6 | 1209.8 | 1213.2 | 1214.0 | 1214.3 | 1214.6 | 1214.8 | 1221.7 | 1235.6 |
| 172.5° | 1214.6 | 1213.9 | 1213.2 | 1213.9 | 1214.6 | 1214.8 | 1214.8 | 1214.8 | 1214.8 | 1220.3 | 1231.2 |
| 175°   | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1219.7 | 1216.4 | 1214.8 | 1218.2 | 1225.1 |
| 177.5° | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1220.3 | 1217.7 | 1216.4 | 1219.2 | 1224.6 |
| 180°   | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 |

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CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-W2A-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 |
| 2.5°   | 2011.3 | 2005.4 | 2013.3 | 1991.6 | 2013.3 | 2005.4 | 2011.3 | 2025.1 | 2013.3 | 2021.2 | 2029.1 |
| 5°     | 1764.8 | 1755.0 | 1723.4 | 1697.8 | 1723.4 | 1755.0 | 1764.8 | 1806.3 | 1826.0 | 1861.5 | 1908.8 |
| 7.5°   | 1577.5 | 1569.6 | 1561.7 | 1545.9 | 1561.7 | 1569.6 | 1577.5 | 1589.3 | 1609.1 | 1640.6 | 1676.1 |
| 10°    | 1536.1 | 1538.1 | 1549.9 | 1547.9 | 1549.9 | 1538.1 | 1536.1 | 1532.1 | 1526.2 | 1532.1 | 1553.8 |
| 12.5°  | 1642.6 | 1660.3 | 1725.4 | 1721.5 | 1725.4 | 1660.3 | 1642.6 | 1563.7 | 1510.5 | 1500.6 | 1504.5 |
| 15°    | 1764.8 | 1770.8 | 1784.6 | 1786.5 | 1784.6 | 1770.8 | 1764.8 | 1733.3 | 1573.6 | 1504.5 | 1482.8 |
| 17.5°  | 1776.7 | 1778.6 | 1788.5 | 1788.5 | 1788.5 | 1778.6 | 1776.7 | 1762.9 | 1709.6 | 1616.9 | 1494.7 |
| 20°    | 1766.8 | 1770.8 | 1790.5 | 1794.4 | 1790.5 | 1770.8 | 1766.8 | 1749.1 | 1719.5 | 1686.0 | 1593.3 |
| 22.5°  | 1762.9 | 1770.8 | 1786.5 | 1784.6 | 1786.5 | 1770.8 | 1762.9 | 1735.3 | 1709.6 | 1686.0 | 1648.5 |
| 25°    | 1743.1 | 1743.1 | 1745.1 | 1747.1 | 1745.1 | 1743.1 | 1743.1 | 1721.5 | 1670.2 | 1664.3 | 1642.6 |
| 27.5°  | 1701.7 | 1705.7 | 1717.5 | 1715.5 | 1717.5 | 1705.7 | 1701.7 | 1693.8 | 1638.6 | 1632.7 | 1616.9 |
| 30°    | 1664.3 | 1660.3 | 1650.5 | 1642.6 | 1650.5 | 1660.3 | 1664.3 | 1652.4 | 1597.2 | 1581.4 | 1585.4 |
| 32.5°  | 1601.2 | 1591.3 | 1581.4 | 1575.5 | 1581.4 | 1591.3 | 1601.2 | 1597.2 | 1555.8 | 1534.1 | 1538.1 |
| 35°    | 1526.2 | 1528.2 | 1526.2 | 1520.3 | 1526.2 | 1528.2 | 1526.2 | 1530.2 | 1504.5 | 1484.8 | 1482.8 |
| 37.5°  | 1473.0 | 1476.9 | 1475.0 | 1467.1 | 1475.0 | 1476.9 | 1473.0 | 1469.0 | 1433.5 | 1427.6 | 1431.6 |
| 40°    | 1417.8 | 1419.7 | 1417.8 | 1411.9 | 1417.8 | 1419.7 | 1417.8 | 1409.9 | 1360.6 | 1362.6 | 1376.4 |
| 42.5°  | 1364.5 | 1362.6 | 1356.6 | 1352.7 | 1356.6 | 1362.6 | 1364.5 | 1352.7 | 1289.6 | 1283.7 | 1309.3 |
| 45°    | 1303.4 | 1305.4 | 1293.5 | 1287.6 | 1293.5 | 1305.4 | 1303.4 | 1295.5 | 1230.4 | 1214.7 | 1232.4 |
| 47.5°  | 1242.3 | 1242.3 | 1232.4 | 1226.5 | 1232.4 | 1242.3 | 1242.3 | 1232.4 | 1163.5 | 1147.7 | 1157.6 |
| 50°    | 1177.2 | 1175.3 | 1161.5 | 1159.5 | 1161.5 | 1175.3 | 1177.2 | 1171.4 | 1098.4 | 1084.6 | 1084.6 |
| 52.5°  | 1102.3 | 1102.3 | 1104.3 | 1108.3 | 1104.3 | 1102.3 | 1102.3 | 1104.3 | 1039.2 | 1025.4 | 1021.5 |
| 55°    | 1037.3 | 1039.2 | 1053.0 | 1057.0 | 1053.0 | 1039.2 | 1037.3 | 1037.3 | 978.1  | 964.3  | 956.4  |
| 57.5°  | 970.2  | 970.2  | 980.1  | 980.1  | 980.1  | 970.2  | 970.2  | 966.3  | 909.1  | 897.3  | 893.3  |
| 60°    | 893.3  | 897.3  | 905.1  | 903.2  | 905.1  | 897.3  | 893.3  | 889.4  | 840.1  | 832.2  | 818.4  |
| 62.5°  | 812.5  | 816.4  | 818.4  | 814.4  | 818.4  | 816.4  | 812.5  | 800.6  | 771.1  | 765.1  | 747.4  |
| 65°    | 727.7  | 731.6  | 733.6  | 729.6  | 733.6  | 731.6  | 727.7  | 721.8  | 700.1  | 690.2  | 674.4  |
| 67.5°  | 640.9  | 638.9  | 637.0  | 644.8  | 637.0  | 638.9  | 640.9  | 633.0  | 619.2  | 611.3  | 589.6  |
| 70°    | 552.2  | 552.2  | 550.2  | 554.1  | 550.2  | 552.2  | 552.2  | 546.2  | 538.4  | 532.4  | 512.7  |
| 72.5°  | 457.5  | 455.5  | 463.4  | 457.5  | 463.4  | 455.5  | 457.5  | 455.5  | 451.6  | 445.7  | 426.0  |
| 75°    | 364.8  | 368.8  | 364.8  | 370.7  | 364.8  | 368.8  | 364.8  | 366.8  | 364.8  | 360.9  | 347.1  |
| 77.5°  | 278.1  | 282.0  | 278.1  | 278.1  | 278.1  | 282.0  | 278.1  | 280.0  | 280.0  | 280.0  | 268.2  |
| 80°    | 197.2  | 195.2  | 195.2  | 193.3  | 195.2  | 195.2  | 197.2  | 197.2  | 199.2  | 195.2  | 191.3  |
| 82.5°  | 126.2  | 124.2  | 124.2  | 128.2  | 124.2  | 124.2  | 126.2  | 128.2  | 124.2  | 124.2  | 124.2  |
| 85°    | 69.0   | 71.0   | 67.0   | 67.0   | 67.0   | 71.0   | 69.0   | 65.1   | 69.0   | 69.0   | 67.0   |
| 87.5°  | 25.6   | 23.7   | 23.7   | 23.7   | 23.7   | 23.7   | 25.6   | 27.6   | 27.6   | 27.6   | 29.6   |
| 90°    | 31.2   | 31.2   | 31.2   | 31.2   | 31.2   | 31.2   | 31.2   | 41.5   | 55.4   | 62.3   | 53.5   |
| 92.5°  | 155.9  | 149.7  | 124.9  | 100.1  | 124.9  | 149.7  | 155.9  | 221.0  | 307.6  | 351.0  | 308.2  |
| 95°    | 529.1  | 510.4  | 435.2  | 360.1  | 435.2  | 510.4  | 529.1  | 694.7  | 915.7  | 1026.1 | 866.6  |
| 97.5°  | 1221.4 | 1185.7 | 1042.7 | 899.8  | 1042.7 | 1185.7 | 1221.4 | 1326.1 | 1465.7 | 1535.5 | 1269.6 |
| 100°   | 1715.1 | 1672.6 | 1502.4 | 1332.1 | 1502.4 | 1672.6 | 1715.1 | 1707.5 | 1697.3 | 1692.2 | 1397.1 |
| 102.5° | 2136.8 | 2100.3 | 1954.4 | 1808.6 | 1954.4 | 2100.3 | 2136.8 | 2003.4 | 1825.4 | 1736.4 | 1437.1 |
| 105°   | 2628.9 | 2609.3 | 2530.9 | 2452.5 | 2530.9 | 2609.3 | 2628.9 | 2329.7 | 1930.9 | 1731.5 | 1441.7 |
| 107.5° | 2884.7 | 2889.5 | 2908.5 | 2927.4 | 2908.5 | 2889.5 | 2884.7 | 2467.6 | 1911.3 | 1633.1 | 1377.5 |
| 110°   | 2950.4 | 2970.8 | 3052.5 | 3134.1 | 3052.5 | 2970.8 | 2950.4 | 2483.9 | 1862.1 | 1551.1 | 1320.6 |

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CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-W2A-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 2908.6 | 2940.0 | 3065.3 | 3190.7 | 3065.3 | 2940.0 | 2908.6 | 2431.2 | 1794.7 | 1476.4 | 1271.1 |
| 115°   | 2766.7 | 2810.2 | 2984.0 | 3158.0 | 2984.0 | 2810.2 | 2766.7 | 2306.8 | 1693.7 | 1387.0 | 1214.1 |
| 117.5° | 2570.6 | 2618.8 | 2811.7 | 3004.5 | 2811.7 | 2618.8 | 2570.6 | 2155.6 | 1602.2 | 1325.5 | 1178.4 |
| 120°   | 2438.6 | 2485.4 | 2672.8 | 2860.2 | 2672.8 | 2485.4 | 2438.6 | 2059.4 | 1553.7 | 1300.9 | 1166.4 |
| 122.5° | 2306.5 | 2352.8 | 2537.6 | 2722.3 | 2537.6 | 2352.8 | 2306.5 | 1965.0 | 1509.7 | 1282.0 | 1160.0 |
| 125°   | 2131.8 | 2174.4 | 2344.6 | 2514.9 | 2344.6 | 2174.4 | 2131.8 | 1841.7 | 1454.9 | 1261.5 | 1154.9 |
| 127.5° | 1991.5 | 2027.4 | 2171.1 | 2314.7 | 2171.1 | 2027.4 | 1991.5 | 1742.5 | 1410.4 | 1244.3 | 1151.9 |
| 130°   | 1903.0 | 1936.1 | 2068.8 | 2201.5 | 2068.8 | 1936.1 | 1903.0 | 1681.2 | 1385.5 | 1237.7 | 1153.7 |
| 132.5° | 1827.5 | 1857.1 | 1976.0 | 2094.9 | 1976.0 | 1857.1 | 1827.5 | 1629.0 | 1364.3 | 1232.0 | 1154.9 |
| 135°   | 1720.9 | 1746.5 | 1848.9 | 1951.4 | 1848.9 | 1746.5 | 1720.9 | 1554.6 | 1333.0 | 1222.1 | 1153.8 |
| 137.5° | 1642.1 | 1663.1 | 1746.9 | 1830.8 | 1746.9 | 1663.1 | 1642.1 | 1501.6 | 1314.1 | 1220.5 | 1160.9 |
| 140°   | 1579.0 | 1598.6 | 1676.9 | 1755.3 | 1676.9 | 1598.6 | 1579.0 | 1457.6 | 1295.7 | 1214.8 | 1162.1 |
| 142.5° | 1534.7 | 1551.6 | 1619.0 | 1686.5 | 1619.0 | 1551.6 | 1534.7 | 1428.0 | 1285.8 | 1214.8 | 1166.2 |
| 145°   | 1468.3 | 1481.0 | 1532.0 | 1583.0 | 1532.0 | 1481.0 | 1468.3 | 1381.0 | 1264.7 | 1206.6 | 1166.3 |
| 147.5° | 1412.4 | 1423.0 | 1465.3 | 1507.6 | 1465.3 | 1423.0 | 1412.4 | 1343.8 | 1252.3 | 1206.6 | 1174.3 |
| 150°   | 1380.5 | 1389.1 | 1423.3 | 1457.6 | 1423.3 | 1389.1 | 1380.5 | 1322.5 | 1245.2 | 1206.6 | 1178.5 |
| 152.5° | 1355.1 | 1361.6 | 1387.4 | 1413.2 | 1387.4 | 1361.6 | 1355.1 | 1305.6 | 1239.6 | 1206.6 | 1181.2 |
| 155°   | 1324.7 | 1328.9 | 1346.1 | 1363.2 | 1346.1 | 1328.9 | 1324.7 | 1285.3 | 1232.8 | 1206.6 | 1187.2 |
| 157.5° | 1298.5 | 1301.4 | 1313.5 | 1325.5 | 1313.5 | 1301.4 | 1298.5 | 1267.8 | 1227.0 | 1206.6 | 1193.3 |
| 160°   | 1285.3 | 1287.1 | 1294.0 | 1300.9 | 1294.0 | 1287.1 | 1285.3 | 1259.1 | 1224.1 | 1206.6 | 1196.0 |
| 162.5° | 1273.0 | 1274.7 | 1281.2 | 1287.8 | 1281.2 | 1274.7 | 1273.0 | 1250.8 | 1221.4 | 1206.6 | 1198.9 |
| 165°   | 1254.2 | 1256.0 | 1262.9 | 1269.8 | 1262.9 | 1256.0 | 1254.2 | 1238.3 | 1217.1 | 1206.6 | 1203.1 |
| 167.5° | 1245.9 | 1246.6 | 1249.6 | 1252.5 | 1249.6 | 1246.6 | 1245.9 | 1235.6 | 1221.7 | 1214.8 | 1211.8 |
| 170°   | 1245.9 | 1245.9 | 1245.9 | 1245.9 | 1245.9 | 1245.9 | 1245.9 | 1235.6 | 1221.7 | 1214.8 | 1214.6 |
| 172.5° | 1239.4 | 1238.8 | 1236.2 | 1233.7 | 1236.2 | 1238.8 | 1239.4 | 1231.2 | 1220.3 | 1214.8 | 1214.8 |
| 175°   | 1230.3 | 1230.3 | 1230.3 | 1230.3 | 1230.3 | 1230.3 | 1230.3 | 1225.1 | 1218.2 | 1214.8 | 1216.4 |
| 177.5° | 1228.8 | 1228.1 | 1225.1 | 1222.1 | 1225.1 | 1228.1 | 1228.8 | 1224.6 | 1219.2 | 1216.4 | 1217.7 |
| 180°   | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 |

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**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 0°     | 2084.3 | 2084.3 | 2084.3 | 2084.3 | 2084.3 |
| 2.5°   | 2058.7 | 2068.5 | 2074.4 | 2082.3 | 2102.1 |
| 5°     | 1979.8 | 2017.3 | 2029.1 | 2058.7 | 2094.2 |
| 7.5°   | 1806.3 | 1920.6 | 1952.2 | 2023.2 | 2078.4 |
| 10°    | 1638.6 | 1753.0 | 1808.2 | 1975.8 | 2058.7 |
| 12.5°  | 1553.8 | 1620.9 | 1658.4 | 1893.0 | 2031.1 |
| 15°    | 1500.6 | 1547.9 | 1575.5 | 1782.6 | 1999.5 |
| 17.5°  | 1459.2 | 1492.7 | 1512.4 | 1674.1 | 1956.1 |
| 20°    | 1433.5 | 1449.3 | 1467.1 | 1595.2 | 1906.8 |
| 22.5°  | 1415.8 | 1405.9 | 1419.7 | 1540.0 | 1839.8 |
| 25°    | 1404.0 | 1366.5 | 1382.3 | 1496.6 | 1760.9 |
| 27.5°  | 1413.8 | 1331.0 | 1336.9 | 1457.2 | 1678.1 |
| 30°    | 1415.8 | 1287.6 | 1289.6 | 1415.8 | 1585.4 |
| 32.5°  | 1402.0 | 1242.3 | 1244.2 | 1364.5 | 1480.9 |
| 35°    | 1368.5 | 1189.0 | 1187.0 | 1305.4 | 1338.9 |
| 37.5°  | 1323.1 | 1131.9 | 1131.9 | 1240.3 | 1183.1 |
| 40°    | 1267.9 | 1074.7 | 1080.7 | 1155.6 | 1045.2 |
| 42.5°  | 1200.8 | 1013.6 | 1021.5 | 1043.2 | 942.6  |
| 45°    | 1128.0 | 954.4  | 960.4  | 881.5  | 863.7  |
| 47.5°  | 1047.1 | 893.3  | 895.3  | 731.6  | 838.1  |
| 50°    | 950.5  | 830.2  | 822.3  | 627.1  | 836.1  |
| 52.5°  | 865.7  | 761.2  | 737.5  | 567.9  | 759.2  |
| 55°    | 782.9  | 688.2  | 637.0  | 522.6  | 704.0  |
| 57.5°  | 709.9  | 593.6  | 544.3  | 469.3  | 692.2  |
| 60°    | 642.9  | 500.9  | 463.4  | 412.1  | 635.0  |
| 62.5°  | 587.7  | 431.9  | 424.0  | 372.7  | 575.8  |
| 65°    | 528.5  | 384.5  | 382.6  | 339.2  | 489.1  |
| 67.5°  | 471.3  | 353.0  | 351.0  | 307.6  | 372.7  |
| 70°    | 410.2  | 319.5  | 315.5  | 274.1  | 276.1  |
| 72.5°  | 347.1  | 282.0  | 278.1  | 246.5  | 228.8  |
| 75°    | 284.0  | 238.6  | 236.6  | 214.9  | 185.4  |
| 77.5°  | 222.8  | 189.3  | 193.3  | 173.5  | 136.1  |
| 80°    | 159.7  | 138.0  | 142.0  | 124.2  | 102.5  |
| 82.5°  | 106.5  | 90.7   | 94.7   | 78.9   | 69.0   |
| 85°    | 59.2   | 51.3   | 53.2   | 41.4   | 31.6   |
| 87.5°  | 27.6   | 23.7   | 23.7   | 15.8   | 9.9    |
| 90°    | 36.1   | 23.0   | 21.3   | 14.8   | 8.2    |
| 92.5°  | 222.5  | 158.4  | 144.4  | 88.6   | 32.8   |
| 95°    | 547.6  | 308.4  | 282.9  | 180.8  | 78.8   |
| 97.5°  | 737.7  | 338.8  | 316.3  | 226.2  | 136.2  |
| 100°   | 806.8  | 364.2  | 343.8  | 262.1  | 180.4  |
| 102.5° | 838.5  | 389.6  | 370.5  | 294.3  | 218.2  |
| 105°   | 862.1  | 427.3  | 411.2  | 346.7  | 282.2  |
| 107.5° | 866.5  | 483.1  | 468.1  | 407.9  | 347.8  |
| 110°   | 859.9  | 514.3  | 500.7  | 446.4  | 392.0  |



TEST NUMBER: P935193

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-W2A-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 860.2  | 552.1  | 539.1  | 487.3  | 435.5  |
| 115°   | 868.1  | 608.7  | 596.7  | 548.9  | 501.2  |
| 117.5° | 884.2  | 663.6  | 652.7  | 609.3  | 566.0  |
| 120°   | 897.4  | 695.5  | 685.4  | 644.5  | 603.7  |
| 122.5° | 916.2  | 733.3  | 723.0  | 681.8  | 640.6  |
| 125°   | 941.6  | 781.7  | 772.3  | 734.8  | 697.2  |
| 127.5° | 967.1  | 828.4  | 819.0  | 781.0  | 743.1  |
| 130°   | 985.6  | 859.6  | 849.3  | 808.5  | 767.7  |
| 132.5° | 1000.7 | 885.0  | 874.8  | 834.0  | 793.1  |
| 135°   | 1017.2 | 914.6  | 905.3  | 868.1  | 830.9  |
| 137.5° | 1041.7 | 952.3  | 943.1  | 906.2  | 869.5  |
| 140°   | 1056.7 | 977.7  | 969.2  | 935.3  | 901.4  |
| 142.5° | 1069.3 | 996.6  | 988.8  | 957.4  | 926.1  |
| 145°   | 1085.8 | 1025.3 | 1018.5 | 991.1  | 963.8  |
| 147.5° | 1109.8 | 1061.4 | 1054.7 | 1028.1 | 1001.5 |
| 150°   | 1122.4 | 1080.3 | 1074.2 | 1050.2 | 1026.1 |
| 152.5° | 1130.5 | 1092.6 | 1088.1 | 1069.8 | 1051.6 |
| 155°   | 1148.6 | 1119.6 | 1116.3 | 1102.7 | 1089.2 |
| 157.5° | 1166.6 | 1146.7 | 1143.5 | 1130.3 | 1117.1 |
| 160°   | 1174.9 | 1159.0 | 1156.5 | 1146.3 | 1136.1 |
| 162.5° | 1183.6 | 1172.2 | 1170.3 | 1162.6 | 1154.9 |
| 165°   | 1196.2 | 1191.0 | 1189.2 | 1182.3 | 1175.4 |
| 167.5° | 1206.0 | 1201.6 | 1200.8 | 1197.5 | 1194.2 |
| 170°   | 1214.3 | 1214.0 | 1213.2 | 1209.8 | 1206.6 |
| 172.5° | 1214.8 | 1214.8 | 1214.6 | 1213.9 | 1213.2 |
| 175°   | 1219.7 | 1222.1 | 1222.1 | 1222.1 | 1222.1 |
| 177.5° | 1220.3 | 1222.1 | 1222.1 | 1222.1 | 1222.1 |
| 180°   | 1222.1 | 1222.1 | 1222.1 | 1222.1 | 1222.1 |

TEST NUMBER: P935193

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-W2A-W-8-3000K

**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 | 11.75            | 12.53 | 12.79 | 13.58 | 14.98 | 14.59          | 15.37 | 15.62 | 16.41 | 17.81 |
|                 | 3H   | 12.22            | 12.92 | 13.27 | 13.97 | 15.39 | 15.93          | 16.63 | 16.98 | 17.68 | 19.10 |
|                 | 4H   | 12.41            | 13.07 | 13.47 | 14.13 | 15.55 | 16.37          | 17.04 | 17.43 | 18.09 | 19.52 |
|                 | 6H   | 12.52            | 13.14 | 13.59 | 14.19 | 15.63 | 16.66          | 17.27 | 17.72 | 18.32 | 19.76 |
|                 | 8H   | 12.52            | 13.11 | 13.59 | 14.18 | 15.61 | 16.73          | 17.31 | 17.80 | 18.38 | 19.82 |
|                 | 12H  | 12.49            | 13.04 | 13.57 | 14.11 | 15.57 | 16.77          | 17.32 | 17.84 | 18.39 | 19.84 |
| 4H              | 2H   | 12.78            | 13.44 | 13.84 | 14.49 | 15.92 | 14.99          | 15.65 | 16.05 | 16.70 | 18.13 |
|                 | 3H   | 13.80            | 14.35 | 14.87 | 15.43 | 16.87 | 16.49          | 17.04 | 17.56 | 18.12 | 19.56 |
|                 | 4H   | 14.07            | 14.58 | 15.15 | 15.65 | 17.11 | 17.02          | 17.52 | 18.09 | 18.59 | 20.05 |
|                 | 6H   | 14.19            | 14.62 | 15.27 | 15.72 | 17.17 | 17.38          | 17.81 | 18.46 | 18.91 | 20.36 |
|                 | 8H   | 14.19            | 14.60 | 15.28 | 15.69 | 17.16 | 17.48          | 17.89 | 18.57 | 18.98 | 20.45 |
|                 | 12H  | 14.16            | 14.52 | 15.26 | 15.62 | 17.10 | 17.54          | 17.91 | 18.64 | 19.01 | 20.48 |
| 8H              | 4H   | 14.52            | 14.92 | 15.60 | 16.01 | 17.48 | 17.13          | 17.54 | 18.22 | 18.63 | 20.10 |
|                 | 6H   | 14.78            | 15.11 | 15.88 | 16.24 | 17.71 | 17.57          | 17.90 | 18.68 | 19.03 | 20.50 |
|                 | 8H   | 14.82            | 15.11 | 15.93 | 16.22 | 17.71 | 17.72          | 18.02 | 18.84 | 19.13 | 20.61 |
|                 | 12H  | 14.80            | 15.06 | 15.92 | 16.16 | 17.69 | 17.82          | 18.08 | 18.94 | 19.18 | 20.71 |
| 12H             | 4H   | 14.52            | 14.89 | 15.62 | 15.99 | 17.46 | 17.09          | 17.46 | 18.20 | 18.56 | 20.04 |
|                 | 6H   | 14.84            | 15.13 | 15.95 | 16.24 | 17.73 | 17.57          | 17.86 | 18.68 | 18.97 | 20.46 |
|                 | 8H   | 14.90            | 15.16 | 16.02 | 16.26 | 17.79 | 17.72          | 17.98 | 18.84 | 19.09 | 20.61 |