

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: P938599

Luminaire Tested: SQ4-FB-150U-125D-B35-1D-UNV-W2A-W-6

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P938599  
REPORT IS A COMBINATION OF REPORTS P933640 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-150U-125D-B35-1D-UNV-W2A-W-6  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

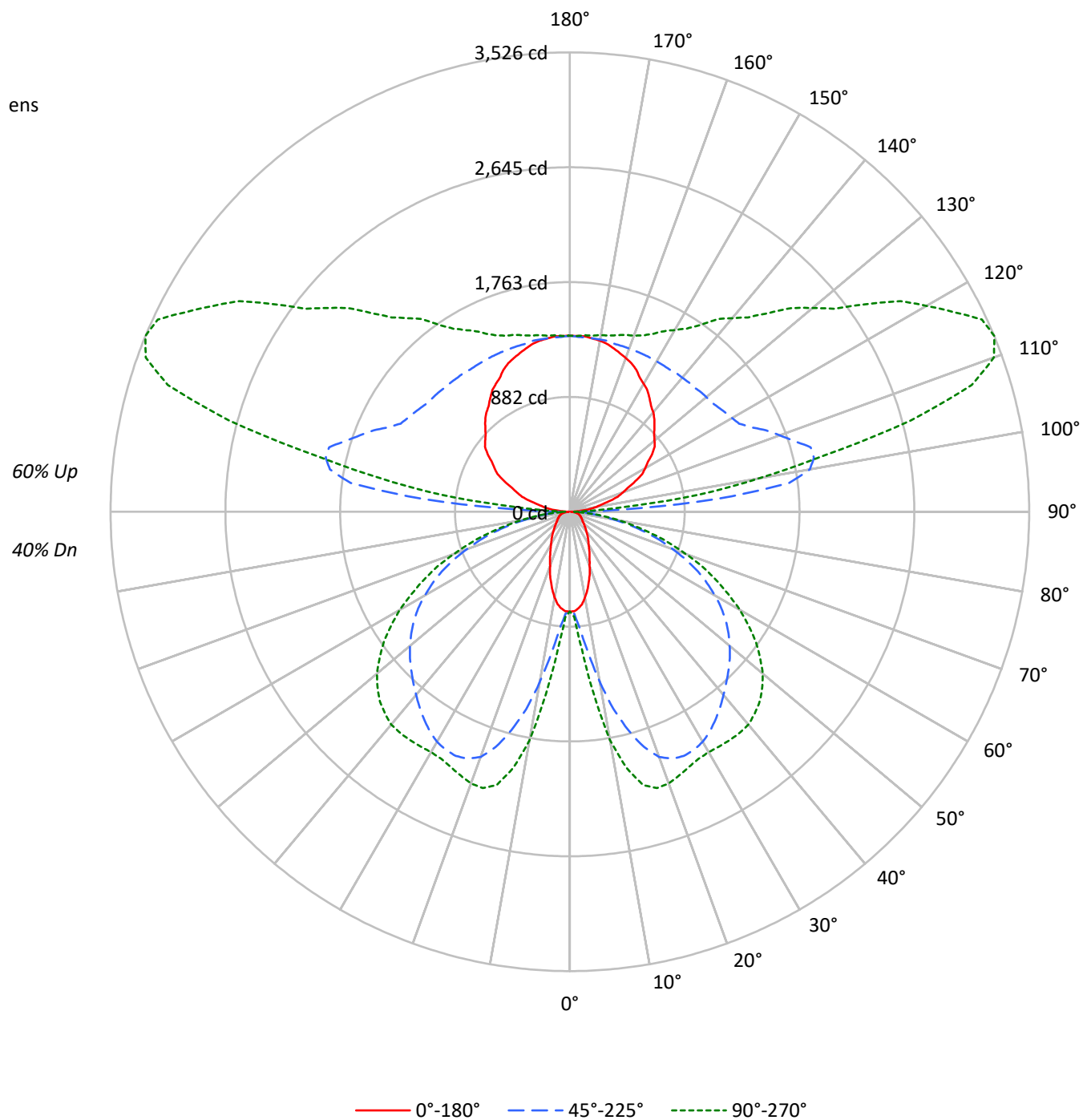
Lumens per Lamp: N/A  
Luminaire Lumens: 14679.4 lumens  
Efficiency: N/A  
Efficacy: 117.6 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 124.8  
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: P938599

CATALOG NUMBER: SQ4-FB-150U-125D-B35-1D-UNV-W2A-W-6

### Luminous Intensity Polar Plot



TEST NUMBER: P938599

CATALOG NUMBER: SQ4-FB-150U-125D-B35-1D-UNV-W2A-W-6

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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    |    | 20 |    |    |    |    | 20 |    |    |    |    | 20 |
| RC  | 80  |     |     |     | 70 |    |    |    |    | 50 |    |    |    |    | 30 |    |    |    |    | 0  |
| 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 | 95 | 95 | 95 | 95 | 78 | 78 | 78 | 62 | 62 | 62 | 47 | 47 | 47 | 47 | 47 | 40 |
| 1   | 95  | 91  | 87  | 83  | 86 | 83 | 79 | 76 | 68 | 65 | 63 | 54 | 52 | 51 | 41 | 40 | 39 | 39 | 39 | 33 |
| 2   | 86  | 79  | 72  | 67  | 78 | 72 | 66 | 62 | 59 | 55 | 51 | 47 | 44 | 42 | 36 | 34 | 32 | 32 | 32 | 27 |
| 3   | 78  | 69  | 61  | 55  | 71 | 63 | 56 | 51 | 51 | 47 | 43 | 41 | 37 | 35 | 31 | 29 | 27 | 27 | 27 | 22 |
| 4   | 71  | 60  | 52  | 46  | 65 | 55 | 48 | 43 | 45 | 40 | 36 | 36 | 32 | 29 | 27 | 25 | 23 | 23 | 23 | 19 |
| 5   | 65  | 53  | 45  | 39  | 59 | 49 | 42 | 36 | 40 | 35 | 30 | 32 | 28 | 25 | 24 | 22 | 19 | 19 | 19 | 16 |
| 6   | 60  | 48  | 39  | 34  | 54 | 44 | 36 | 31 | 36 | 30 | 26 | 29 | 25 | 21 | 22 | 19 | 17 | 17 | 17 | 14 |
| 7   | 55  | 43  | 35  | 29  | 50 | 39 | 32 | 27 | 32 | 27 | 23 | 26 | 22 | 19 | 20 | 17 | 15 | 15 | 15 | 12 |
| 8   | 51  | 39  | 31  | 25  | 46 | 35 | 28 | 24 | 29 | 24 | 20 | 23 | 19 | 16 | 18 | 15 | 13 | 13 | 13 | 10 |
| 9   | 47  | 35  | 27  | 22  | 43 | 32 | 25 | 21 | 27 | 21 | 18 | 21 | 17 | 15 | 17 | 14 | 11 | 11 | 11 | 9  |
| 10  | 44  | 32  | 25  | 20  | 40 | 29 | 23 | 18 | 24 | 19 | 16 | 20 | 16 | 13 | 15 | 12 | 10 | 10 | 10 | 8  |

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

|     | 0°   | 45°   | 90°   |
|-----|------|-------|-------|
| 0°  | 4732 | 4732  | 4732  |
| 5°  | 4621 | 5468  | 6361  |
| 10° | 4190 | 7969  | 10545 |
| 15° | 3560 | 10408 | 12733 |
| 20° | 2897 | 12058 | 12977 |
| 25° | 2416 | 12616 | 12713 |
| 30° | 2036 | 12692 | 12689 |
| 35° | 1800 | 12478 | 13017 |
| 40° | 1567 | 12201 | 13356 |
| 45° | 1418 | 11996 | 13409 |
| 50° | 1299 | 11812 | 13187 |
| 55° | 1243 | 11544 | 12602 |
| 60° | 1271 | 11032 | 11679 |
| 65° | 1321 | 10256 | 10411 |
| 70° | 1404 | 8938  | 8796  |
| 75° | 1550 | 7282  | 6863  |
| 80° | 1679 | 5043  | 4625  |
| 85° | 1467 | 2671  | 2367  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 13409 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 99.0    | 0.7       |
| 10°-20°   | 438.5   | 3.0       |
| 20°-30°   | 767.1   | 5.2       |
| 30°-40°   | 987.5   | 6.7       |
| 40°-50°   | 1103.0  | 7.5       |
| 50°-60°   | 1056.4  | 7.2       |
| 60°-70°   | 837.2   | 5.7       |
| 70°-80°   | 492.3   | 3.4       |
| 80°-90°   | 141.9   | 1.0       |
| 90°-100°  | 658.4   | 4.5       |
| 100°-110° | 1731.1  | 11.8      |
| 110°-120° | 1794.9  | 12.2      |
| 120°-130° | 1439.7  | 9.8       |
| 130°-140° | 1129.7  | 7.7       |
| 140°-150° | 867.1   | 5.9       |
| 150°-160° | 624.4   | 4.3       |
| 160°-170° | 382.1   | 2.6       |
| 170°-180° | 129.1   | 0.9       |
| 0°-30°    | 1304.6  | 8.9       |
| 0°-40°    | 2292.1  | 15.6      |
| 0°-60°    | 4451.4  | 30.3      |
| 0°-90°    | 5922.8  | 40.3      |
| 90°-120°  | 4184.4  | 28.5      |
| 90°-150°  | 7621.0  | 51.9      |
| 90°-180°  | 8757.0  | 59.7      |
| 0°-180°   | 14679.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 765  | 765   | 765  | 765   | 765  |      |
| 5°   | 745  | 799   | 900  | 1018  | 1055 | 69   |
| 15°  | 558  | 1031  | 1736 | 2105  | 2172 | 155  |
| 25°  | 357  | 1168  | 2069 | 2160  | 2162 | 164  |
| 35°  | 241  | 1117  | 1948 | 2059  | 2140 | 151  |
| 45°  | 165  | 890   | 1722 | 1973  | 2061 | 127  |
| 55°  | 118  | 566   | 1461 | 1697  | 1744 | 108  |
| 65°  | 94   | 300   | 1085 | 1220  | 1237 | 93   |
| 75°  | 69   | 184   | 595  | 654   | 657  | 72   |
| 85°  | 25   | 57    | 148  | 162   | 165  | 26   |
| 90°  | 9    | 25    | 69   | 34    | 34   | 9    |
| 95°  | 87   | 341   | 1134 | 585   | 398  | 97   |
| 105° | 312  | 472   | 1914 | 2906  | 2711 | 331  |
| 115° | 554  | 673   | 1533 | 3058  | 3490 | 547  |
| 125° | 770  | 864   | 1394 | 2356  | 2780 | 684  |
| 135° | 918  | 1011  | 1351 | 1902  | 2157 | 711  |
| 145° | 1065 | 1133  | 1334 | 1623  | 1750 | 667  |
| 155° | 1204 | 1237  | 1334 | 1464  | 1507 | 553  |
| 165° | 1299 | 1316  | 1334 | 1386  | 1403 | 367  |
| 175° | 1351 | 1351  | 1343 | 1360  | 1360 | 128  |
| 180° | 1351 | 1351  | 1351 | 1351  | 1351 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 764.9 | 764.9 | 764.9  | 764.9  | 764.9  | 764.9  | 764.9  | 764.9  | 764.9  | 764.9  | 764.9  |
| 2.5°   | 764.9 | 764.9 | 769.9  | 772.3  | 777.2  | 779.8  | 784.6  | 789.5  | 804.3  | 806.8  | 811.7  |
| 5°     | 745.3 | 755.1 | 787.1  | 799.4  | 833.8  | 880.5  | 900.2  | 932.2  | 998.7  | 1018.3 | 1030.6 |
| 7.5°   | 715.8 | 737.9 | 816.6  | 836.2  | 922.4  | 1045.4 | 1097.0 | 1165.9 | 1271.6 | 1323.3 | 1365.1 |
| 10°    | 669.0 | 715.8 | 855.9  | 902.7  | 1042.9 | 1229.9 | 1325.8 | 1421.7 | 1581.6 | 1652.9 | 1680.0 |
| 12.5°  | 617.3 | 693.6 | 897.8  | 961.7  | 1163.4 | 1436.4 | 1552.0 | 1657.8 | 1839.8 | 1935.8 | 1950.5 |
| 15°    | 558.3 | 661.6 | 937.1  | 1030.6 | 1291.3 | 1608.6 | 1736.5 | 1866.9 | 2036.6 | 2105.4 | 2122.7 |
| 17.5°  | 506.7 | 637.0 | 974.0  | 1072.4 | 1389.7 | 1763.6 | 1893.9 | 2002.1 | 2139.9 | 2186.6 | 2199.0 |
| 20°    | 442.7 | 597.7 | 998.7  | 1126.6 | 1493.0 | 1876.8 | 2002.1 | 2085.8 | 2179.3 | 2208.7 | 2213.7 |
| 22.5°  | 396.0 | 555.9 | 1013.4 | 1146.2 | 1561.9 | 1945.6 | 2051.4 | 2117.7 | 2181.7 | 2191.6 | 2194.0 |
| 25°    | 356.7 | 509.1 | 1011.0 | 1168.3 | 1620.9 | 1987.4 | 2068.6 | 2117.7 | 2154.7 | 2159.6 | 2159.6 |
| 27.5°  | 319.8 | 457.5 | 1001.1 | 1173.3 | 1665.2 | 1997.2 | 2061.2 | 2095.7 | 2112.8 | 2122.7 | 2122.7 |
| 30°    | 287.8 | 408.3 | 976.5  | 1163.4 | 1684.9 | 1987.4 | 2039.1 | 2056.3 | 2073.5 | 2088.3 | 2095.7 |
| 32.5°  | 263.2 | 361.5 | 939.5  | 1143.7 | 1687.3 | 1962.8 | 1999.7 | 2009.5 | 2034.1 | 2068.6 | 2080.8 |
| 35°    | 241.1 | 314.8 | 897.8  | 1116.7 | 1672.6 | 1923.5 | 1948.1 | 1957.9 | 2007.1 | 2058.7 | 2076.0 |
| 37.5°  | 218.9 | 280.4 | 843.7  | 1070.0 | 1650.4 | 1876.8 | 1893.9 | 1911.2 | 1987.4 | 2048.9 | 2068.6 |
| 40°    | 196.8 | 250.9 | 779.8  | 1018.3 | 1616.0 | 1820.2 | 1834.9 | 1861.9 | 1962.8 | 2034.1 | 2053.8 |
| 42.5°  | 179.6 | 226.3 | 710.9  | 964.2  | 1571.7 | 1756.2 | 1778.3 | 1817.7 | 1933.3 | 2009.5 | 2031.7 |
| 45°    | 164.8 | 201.6 | 637.0  | 890.4  | 1515.1 | 1689.7 | 1721.7 | 1775.9 | 1898.9 | 1972.7 | 1992.4 |
| 47.5°  | 150.0 | 184.5 | 560.8  | 814.2  | 1453.7 | 1623.4 | 1665.2 | 1726.7 | 1852.1 | 1923.5 | 1940.7 |
| 50°    | 137.7 | 167.2 | 484.6  | 733.0  | 1387.2 | 1552.0 | 1601.3 | 1665.2 | 1793.1 | 1859.5 | 1881.6 |
| 52.5°  | 127.9 | 152.5 | 413.2  | 651.8  | 1311.0 | 1478.2 | 1534.8 | 1601.3 | 1721.7 | 1785.7 | 1800.5 |
| 55°    | 118.0 | 140.2 | 351.7  | 565.7  | 1232.3 | 1399.5 | 1461.1 | 1525.0 | 1643.0 | 1697.2 | 1707.0 |
| 57.5°  | 113.2 | 130.3 | 300.1  | 484.6  | 1148.7 | 1311.0 | 1379.9 | 1438.9 | 1549.6 | 1591.4 | 1601.3 |
| 60°    | 105.7 | 123.0 | 260.8  | 415.7  | 1057.7 | 1227.3 | 1286.4 | 1345.5 | 1438.9 | 1473.4 | 1480.7 |
| 62.5°  | 98.4  | 118.0 | 231.2  | 349.2  | 964.2  | 1129.0 | 1188.0 | 1242.2 | 1320.8 | 1345.5 | 1355.2 |
| 65°    | 93.5  | 113.2 | 209.1  | 300.1  | 868.2  | 1025.7 | 1084.7 | 1131.4 | 1195.4 | 1220.0 | 1224.9 |
| 67.5°  | 88.6  | 108.2 | 191.9  | 258.2  | 772.3  | 922.4  | 966.7  | 1011.0 | 1060.1 | 1084.7 | 1087.2 |
| 70°    | 81.2  | 103.3 | 177.1  | 228.8  | 673.9  | 804.3  | 841.2  | 887.9  | 927.3  | 939.5  | 947.0  |
| 72.5°  | 76.3  | 95.9  | 167.2  | 206.6  | 573.1  | 691.2  | 725.6  | 752.6  | 787.1  | 799.4  | 799.4  |
| 75°    | 68.9  | 86.0  | 157.5  | 184.5  | 469.8  | 565.7  | 595.3  | 622.3  | 649.3  | 654.3  | 646.9  |
| 77.5°  | 61.5  | 76.3  | 135.3  | 154.9  | 366.5  | 447.7  | 472.3  | 487.0  | 509.1  | 514.1  | 516.6  |
| 80°    | 51.6  | 66.4  | 105.7  | 120.5  | 265.6  | 329.6  | 346.8  | 359.1  | 378.8  | 378.8  | 383.7  |
| 82.5°  | 39.3  | 51.6  | 76.3   | 86.0   | 179.6  | 226.3  | 241.1  | 248.5  | 260.8  | 260.8  | 260.8  |
| 85°    | 24.6  | 32.0  | 49.2   | 56.6   | 108.2  | 137.7  | 147.6  | 150.0  | 159.9  | 162.3  | 162.3  |
| 87.5°  | 12.3  | 17.2  | 32.0   | 34.4   | 56.6   | 71.3   | 71.3   | 76.3   | 76.3   | 73.8   | 71.3   |
| 90°    | 9.1   | 16.4  | 23.5   | 25.4   | 39.9   | 59.2   | 68.9   | 61.2   | 45.9   | 34.5   | 34.5   |
| 92.5°  | 36.2  | 97.9  | 159.6  | 175.0  | 246.0  | 340.7  | 388.0  | 340.0  | 244.2  | 172.3  | 165.4  |
| 95°    | 87.0  | 199.8 | 312.7  | 340.9  | 605.3  | 957.9  | 1134.1 | 1012.0 | 767.8  | 584.7  | 564.0  |
| 97.5°  | 150.5 | 250.0 | 349.5  | 374.4  | 815.3  | 1403.2 | 1697.1 | 1620.0 | 1465.6 | 1349.9 | 1310.4 |
| 100°   | 199.4 | 289.7 | 379.9  | 402.5  | 891.8  | 1544.1 | 1870.3 | 1875.9 | 1887.2 | 1895.7 | 1848.7 |
| 102.5° | 241.2 | 325.4 | 409.6  | 430.6  | 926.8  | 1588.4 | 1919.2 | 2017.5 | 2214.1 | 2361.5 | 2321.2 |
| 105°   | 311.8 | 383.1 | 454.5  | 472.3  | 952.8  | 1593.4 | 1913.8 | 2134.1 | 2574.9 | 2905.5 | 2883.8 |
| 107.5° | 384.4 | 450.9 | 517.3  | 533.9  | 957.6  | 1522.5 | 1805.0 | 2112.4 | 2727.3 | 3188.4 | 3193.6 |
| 110°   | 433.3 | 493.4 | 553.4  | 568.4  | 950.4  | 1459.6 | 1714.3 | 2058.0 | 2745.4 | 3260.9 | 3283.5 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 481.4  | 538.6  | 595.7  | 610.1  | 950.7  | 1404.8 | 1631.8 | 1983.5 | 2687.0 | 3214.7 | 3249.3 |
| 115°   | 553.9  | 606.7  | 659.5  | 672.7  | 959.4  | 1341.8 | 1533.0 | 1871.8 | 2549.5 | 3057.8 | 3105.8 |
| 117.5° | 625.5  | 673.5  | 721.4  | 733.4  | 977.3  | 1302.4 | 1465.0 | 1770.8 | 2382.4 | 2841.1 | 2894.4 |
| 120°   | 667.3  | 712.4  | 757.6  | 768.8  | 991.8  | 1289.2 | 1437.8 | 1717.3 | 2276.1 | 2695.2 | 2746.9 |
| 122.5° | 708.0  | 753.6  | 799.1  | 810.5  | 1012.6 | 1282.2 | 1417.0 | 1668.6 | 2171.8 | 2549.2 | 2600.3 |
| 125°   | 770.5  | 812.0  | 853.6  | 864.0  | 1040.7 | 1276.5 | 1394.3 | 1608.1 | 2035.5 | 2356.1 | 2403.1 |
| 127.5° | 821.3  | 863.2  | 905.1  | 915.6  | 1068.8 | 1273.1 | 1375.2 | 1558.7 | 1925.8 | 2201.1 | 2240.8 |
| 130°   | 848.6  | 893.7  | 938.9  | 950.1  | 1089.4 | 1275.2 | 1368.0 | 1531.4 | 1858.2 | 2103.2 | 2139.8 |
| 132.5° | 876.7  | 921.8  | 967.0  | 978.2  | 1106.0 | 1276.5 | 1361.6 | 1507.9 | 1800.4 | 2019.8 | 2052.6 |
| 135°   | 918.3  | 959.4  | 1000.6 | 1010.9 | 1124.1 | 1275.2 | 1350.8 | 1473.3 | 1718.2 | 1902.0 | 1930.2 |
| 137.5° | 961.0  | 1001.7 | 1042.4 | 1052.5 | 1151.4 | 1283.1 | 1348.9 | 1452.5 | 1659.6 | 1814.9 | 1838.1 |
| 140°   | 996.3  | 1033.8 | 1071.2 | 1080.6 | 1167.9 | 1284.4 | 1342.6 | 1432.1 | 1611.0 | 1745.2 | 1766.8 |
| 142.5° | 1023.5 | 1058.1 | 1092.8 | 1101.5 | 1181.9 | 1289.1 | 1342.6 | 1421.2 | 1578.3 | 1696.1 | 1714.7 |
| 145°   | 1065.2 | 1095.5 | 1125.7 | 1133.2 | 1200.0 | 1289.1 | 1333.5 | 1397.8 | 1526.4 | 1622.8 | 1636.8 |
| 147.5° | 1106.9 | 1136.3 | 1165.7 | 1173.1 | 1226.6 | 1297.9 | 1333.5 | 1384.1 | 1485.2 | 1561.1 | 1572.8 |
| 150°   | 1134.1 | 1160.7 | 1187.2 | 1193.9 | 1240.4 | 1302.5 | 1333.5 | 1376.3 | 1461.6 | 1525.7 | 1535.2 |
| 152.5° | 1162.2 | 1182.4 | 1202.5 | 1207.6 | 1249.5 | 1305.5 | 1333.5 | 1370.0 | 1442.9 | 1497.6 | 1504.8 |
| 155°   | 1203.9 | 1218.8 | 1233.7 | 1237.4 | 1269.5 | 1312.2 | 1333.5 | 1362.5 | 1420.6 | 1464.1 | 1468.8 |
| 157.5° | 1234.7 | 1249.2 | 1263.8 | 1267.4 | 1289.4 | 1318.8 | 1333.5 | 1356.1 | 1401.3 | 1435.1 | 1438.4 |
| 160°   | 1255.6 | 1266.9 | 1278.1 | 1280.9 | 1298.5 | 1321.8 | 1333.5 | 1352.9 | 1391.6 | 1420.6 | 1422.5 |
| 162.5° | 1276.5 | 1284.9 | 1293.3 | 1295.5 | 1308.1 | 1325.1 | 1333.5 | 1349.8 | 1382.5 | 1407.0 | 1408.8 |
| 165°   | 1299.1 | 1306.8 | 1314.4 | 1316.3 | 1322.0 | 1329.7 | 1333.5 | 1345.3 | 1368.6 | 1386.2 | 1388.1 |
| 167.5° | 1320.0 | 1323.6 | 1327.2 | 1328.1 | 1333.0 | 1339.4 | 1342.6 | 1350.3 | 1365.6 | 1377.0 | 1377.8 |
| 170°   | 1333.5 | 1337.1 | 1340.8 | 1341.7 | 1342.0 | 1342.5 | 1342.6 | 1350.3 | 1365.6 | 1377.0 | 1377.0 |
| 172.5° | 1340.8 | 1341.6 | 1342.5 | 1342.6 | 1342.6 | 1342.6 | 1342.6 | 1348.7 | 1360.8 | 1369.8 | 1369.1 |
| 175°   | 1350.8 | 1350.8 | 1350.8 | 1350.8 | 1348.1 | 1344.5 | 1342.6 | 1346.4 | 1354.1 | 1359.8 | 1359.8 |
| 177.5° | 1350.8 | 1350.8 | 1350.8 | 1350.8 | 1348.7 | 1345.8 | 1344.4 | 1347.4 | 1353.5 | 1358.1 | 1357.3 |
| 180°   | 1350.8 | 1350.8 | 1350.8 | 1350.8 | 1350.8 | 1350.8 | 1350.8 | 1350.8 | 1350.8 | 1350.8 | 1350.8 |

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CATALOG NUMBER: SQ4-FB-150U-125D-B35-1D-UNV-W2A-W-6

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 764.9  | 764.9  |
| 2.5°   | 816.6  | 811.7  |
| 5°     | 1050.3 | 1055.2 |
| 7.5°   | 1414.4 | 1411.8 |
| 10°    | 1758.6 | 1780.8 |
| 12.5°  | 2009.5 | 2014.5 |
| 15°    | 2162.0 | 2171.9 |
| 17.5°  | 2221.0 | 2223.6 |
| 20°    | 2223.6 | 2218.6 |
| 22.5°  | 2196.4 | 2191.6 |
| 25°    | 2164.5 | 2162.0 |
| 27.5°  | 2135.0 | 2137.4 |
| 30°    | 2122.7 | 2130.1 |
| 32.5°  | 2122.7 | 2135.0 |
| 35°    | 2127.6 | 2139.9 |
| 37.5°  | 2125.1 | 2139.9 |
| 40°    | 2115.3 | 2132.5 |
| 42.5°  | 2088.3 | 2100.6 |
| 45°    | 2046.4 | 2061.2 |
| 47.5°  | 1992.4 | 2002.1 |
| 50°    | 1923.5 | 1933.3 |
| 52.5°  | 1837.3 | 1839.8 |
| 55°    | 1734.0 | 1743.9 |
| 57.5°  | 1623.4 | 1625.8 |
| 60°    | 1500.4 | 1507.8 |
| 62.5°  | 1370.1 | 1370.1 |
| 65°    | 1232.3 | 1237.2 |
| 67.5°  | 1089.6 | 1101.9 |
| 70°    | 944.5  | 947.0  |
| 72.5°  | 801.8  | 801.8  |
| 75°    | 654.3  | 656.7  |
| 77.5°  | 514.1  | 514.1  |
| 80°    | 381.2  | 383.7  |
| 82.5°  | 263.2  | 268.1  |
| 85°    | 164.8  | 164.8  |
| 87.5°  | 76.3   | 68.9   |
| 90°    | 34.5   | 34.5   |
| 92.5°  | 138.0  | 110.6  |
| 95°    | 480.9  | 398.0  |
| 97.5°  | 1152.4 | 994.5  |
| 100°   | 1660.5 | 1472.3 |
| 102.5° | 2160.1 | 1999.0 |
| 105°   | 2797.2 | 2710.6 |
| 107.5° | 3214.6 | 3235.5 |
| 110°   | 3373.7 | 3464.0 |

TEST NUMBER: P938599

CATALOG NUMBER: SQ4-FB-150U-125D-B35-1D-UNV-W2A-W-6

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 3387.9 | 3526.5 |
| 115°   | 3298.0 | 3490.2 |
| 117.5° | 3107.6 | 3320.8 |
| 120°   | 2954.1 | 3161.2 |
| 122.5° | 2804.6 | 3008.8 |
| 125°   | 2591.3 | 2779.5 |
| 127.5° | 2399.5 | 2558.4 |
| 130°   | 2286.5 | 2433.2 |
| 132.5° | 2183.9 | 2315.3 |
| 135°   | 2043.5 | 2156.7 |
| 137.5° | 1930.8 | 2023.5 |
| 140°   | 1853.4 | 1940.0 |
| 142.5° | 1789.4 | 1863.9 |
| 145°   | 1693.2 | 1749.6 |
| 147.5° | 1619.5 | 1666.3 |
| 150°   | 1573.1 | 1611.0 |
| 152.5° | 1533.3 | 1562.0 |
| 155°   | 1487.7 | 1506.7 |
| 157.5° | 1451.8 | 1465.0 |
| 160°   | 1430.1 | 1437.8 |
| 162.5° | 1416.0 | 1423.3 |
| 165°   | 1395.7 | 1403.3 |
| 167.5° | 1381.1 | 1384.3 |
| 170°   | 1377.0 | 1377.0 |
| 172.5° | 1366.3 | 1363.5 |
| 175°   | 1359.8 | 1359.8 |
| 177.5° | 1354.0 | 1350.8 |
| 180°   | 1350.8 | 1350.8 |

(END OF REPORT)