

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: P935899

Luminaire Tested: SQ4-FA-150U-050D-B35-1D-UNV-STD-W-6

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P935899  
REPORT IS A COMBINATION OF REPORTS P933771 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-050D-B35-1D-UNV-STD-W-6  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

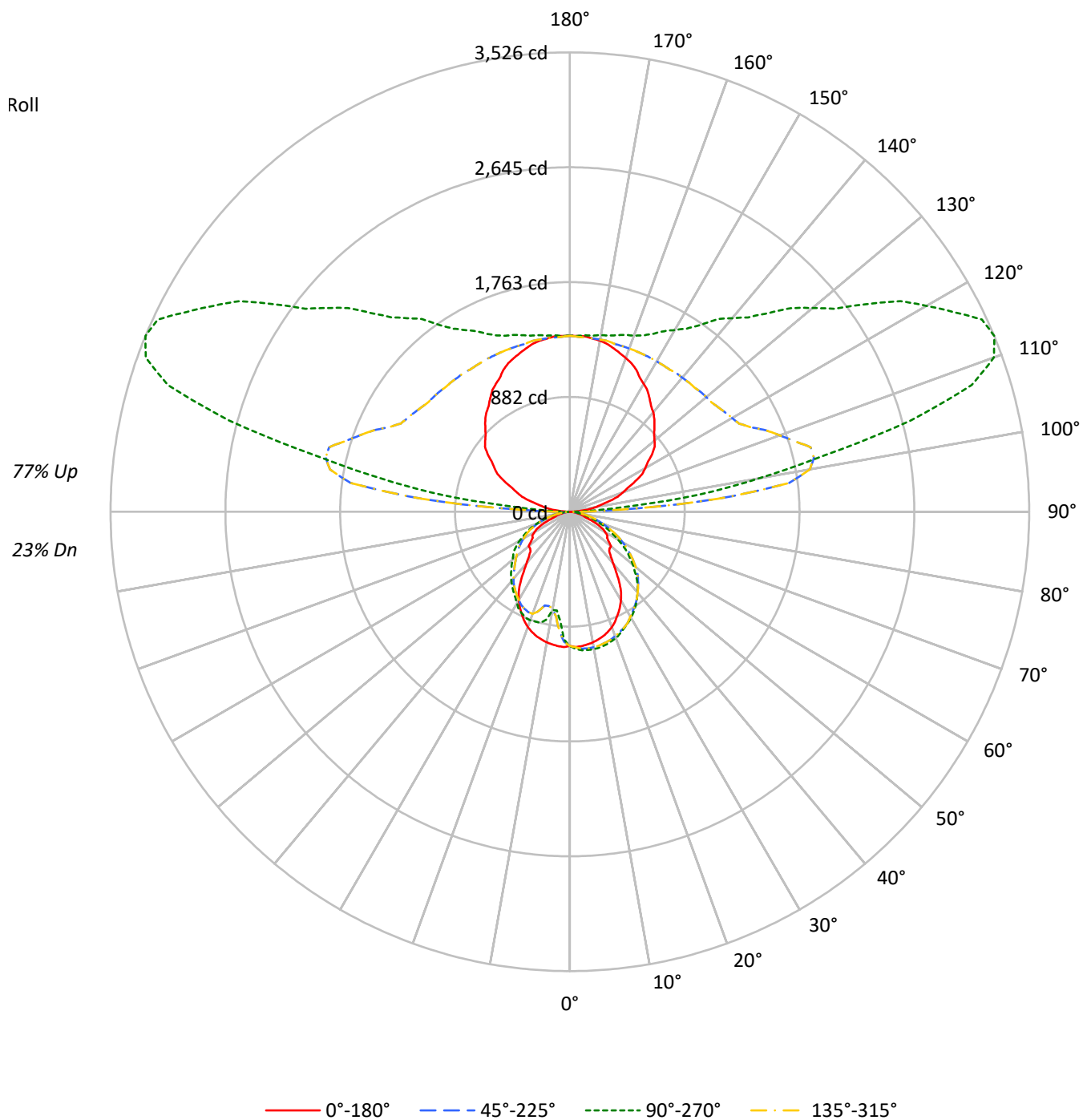
Lumens per Lamp: N/A  
Luminaire Lumens: 11433.2 lumens  
Efficiency: N/A  
Efficacy: 137.1 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: Semi-Indirect

Input Watts (W): 83.4  
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



TEST NUMBER: P935899

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**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   | 101 | 101 | 101 | 101 | 90 | 90 | 90 | 90 | 69 | 69 | 69 | 49 | 49 | 49 | 32 | 32 | 32 | 32 | 32 | 23 |
| 1   | 92  | 88  | 84  | 81  | 81 | 78 | 75 | 72 | 60 | 58 | 56 | 43 | 42 | 41 | 28 | 27 | 27 | 27 | 27 | 20 |
| 2   | 84  | 77  | 71  | 66  | 74 | 68 | 63 | 59 | 52 | 49 | 46 | 38 | 36 | 34 | 25 | 24 | 23 | 23 | 23 | 17 |
| 3   | 76  | 67  | 60  | 55  | 67 | 60 | 54 | 49 | 46 | 42 | 39 | 34 | 31 | 29 | 22 | 20 | 19 | 19 | 19 | 14 |
| 4   | 70  | 59  | 52  | 46  | 62 | 53 | 47 | 42 | 41 | 37 | 33 | 30 | 27 | 25 | 19 | 18 | 16 | 16 | 16 | 12 |
| 5   | 64  | 53  | 45  | 39  | 56 | 47 | 40 | 36 | 36 | 32 | 28 | 27 | 24 | 21 | 17 | 16 | 14 | 14 | 14 | 10 |
| 6   | 59  | 47  | 39  | 34  | 52 | 42 | 35 | 31 | 33 | 28 | 24 | 24 | 21 | 18 | 16 | 14 | 12 | 12 | 12 | 9  |
| 7   | 54  | 42  | 35  | 29  | 48 | 38 | 31 | 27 | 30 | 25 | 21 | 22 | 19 | 16 | 14 | 12 | 11 | 11 | 11 | 8  |
| 8   | 50  | 38  | 31  | 26  | 44 | 34 | 28 | 23 | 27 | 22 | 19 | 20 | 17 | 14 | 13 | 11 | 10 | 10 | 10 | 7  |
| 9   | 46  | 35  | 28  | 23  | 41 | 31 | 25 | 21 | 24 | 20 | 17 | 18 | 15 | 13 | 12 | 10 | 9  | 9  | 9  | 6  |
| 10  | 43  | 32  | 25  | 20  | 38 | 28 | 22 | 18 | 22 | 18 | 15 | 17 | 14 | 11 | 11 | 9  | 8  | 8  | 8  | 6  |

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

|     | 0°   | 90°  | 180° | 270° |
|-----|------|------|------|------|
| 0°  | 6374 | 6374 | 6374 | 6374 |
| 5°  | 6419 | 6434 | 6419 | 5059 |
| 10° | 6373 | 6338 | 6373 | 4531 |
| 15° | 6303 | 6201 | 6303 | 5177 |
| 20° | 6168 | 6038 | 6168 | 5188 |
| 25° | 5896 | 5801 | 5896 | 5079 |
| 30° | 5545 | 5604 | 5545 | 4837 |
| 35° | 4941 | 5354 | 4941 | 4572 |
| 40° | 4115 | 5061 | 4115 | 4372 |
| 45° | 3674 | 4718 | 3674 | 4141 |
| 50° | 3900 | 4309 | 3900 | 3910 |
| 55° | 3666 | 3868 | 3666 | 3776 |
| 60° | 3775 | 3284 | 3775 | 3458 |
| 65° | 3417 | 2716 | 3417 | 3035 |
| 70° | 2359 | 2163 | 2359 | 2544 |
| 75° | 2063 | 1599 | 2063 | 1915 |
| 80° | 1650 | 1057 | 1650 | 1151 |
| 85° | 930  | 560  | 930  | 475  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 5635 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 93.0    | 0.8       |
| 10°-20°   | 264.1   | 2.3       |
| 20°-30°   | 408.2   | 3.6       |
| 30°-40°   | 487.3   | 4.3       |
| 40°-50°   | 490.2   | 4.3       |
| 50°-60°   | 426.5   | 3.7       |
| 60°-70°   | 302.4   | 2.6       |
| 70°-80°   | 160.0   | 1.4       |
| 80°-90°   | 45.0    | 0.4       |
| 90°-100°  | 658.4   | 5.8       |
| 100°-110° | 1731.1  | 15.1      |
| 110°-120° | 1794.9  | 15.7      |
| 120°-130° | 1439.7  | 12.6      |
| 130°-140° | 1129.7  | 9.9       |
| 140°-150° | 867.1   | 7.6       |
| 150°-160° | 624.4   | 5.5       |
| 160°-170° | 382.1   | 3.3       |
| 170°-180° | 129.1   | 1.1       |
| 0°-30°    | 765.3   | 6.7       |
| 0°-40°    | 1252.6  | 11.0      |
| 0°-60°    | 2169.3  | 19.0      |
| 0°-90°    | 2676.7  | 23.4      |
| 90°-120°  | 4184.4  | 36.6      |
| 90°-150°  | 7621.0  | 66.7      |
| 90°-180°  | 8757.0  | 76.6      |
| 0°-180°   | 11433.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1030 | 1030 | 1030 | 1030 | 1030 |      |
| 5°   | 1035 | 1067 | 1035 | 839  | 1035 | 98   |
| 15°  | 988  | 1058 | 988  | 883  | 988  | 278  |
| 25°  | 870  | 986  | 870  | 864  | 870  | 400  |
| 35°  | 662  | 880  | 662  | 752  | 662  | 409  |
| 45°  | 427  | 725  | 427  | 636  | 427  | 342  |
| 55°  | 348  | 535  | 348  | 522  | 348  | 320  |
| 65°  | 242  | 323  | 242  | 361  | 242  | 231  |
| 75°  | 92   | 153  | 92   | 183  | 92   | 96   |
| 85°  | 16   | 39   | 16   | 33   | 16   | 21   |
| 90°  | 9    | 34   | 9    | 34   | 9    | 8    |
| 95°  | 87   | 398  | 87   | 398  | 87   | 97   |
| 105° | 312  | 2711 | 312  | 2711 | 312  | 331  |
| 115° | 554  | 3490 | 554  | 3490 | 554  | 547  |
| 125° | 770  | 2780 | 770  | 2780 | 770  | 684  |
| 135° | 918  | 2157 | 918  | 2157 | 918  | 711  |
| 145° | 1065 | 1750 | 1065 | 1750 | 1065 | 667  |
| 155° | 1204 | 1507 | 1204 | 1507 | 1204 | 553  |
| 165° | 1299 | 1403 | 1299 | 1403 | 1299 | 367  |
| 175° | 1351 | 1360 | 1351 | 1360 | 1351 | 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°     | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 |
| 2.5°   | 1039.2 | 1039.2 | 1045.0 | 1046.9 | 1046.9 | 1044.0 | 1041.1 | 1044.0 | 1052.8 | 1055.7 | 1054.8 |
| 5°     | 1035.2 | 1043.0 | 1053.8 | 1055.7 | 1057.7 | 1056.7 | 1054.8 | 1056.7 | 1066.4 | 1068.4 | 1069.4 |
| 7.5°   | 1027.4 | 1042.1 | 1055.7 | 1058.6 | 1061.5 | 1058.6 | 1057.7 | 1059.6 | 1069.4 | 1071.3 | 1071.3 |
| 10°    | 1017.6 | 1038.2 | 1053.8 | 1055.7 | 1058.6 | 1055.7 | 1055.7 | 1059.6 | 1069.4 | 1071.3 | 1072.3 |
| 12.5°  | 1004.1 | 1032.3 | 1046.9 | 1048.8 | 1052.8 | 1051.8 | 1050.8 | 1054.8 | 1064.4 | 1066.4 | 1066.4 |
| 15°    | 988.5  | 1021.6 | 1035.2 | 1037.2 | 1044.0 | 1042.1 | 1042.1 | 1045.9 | 1056.7 | 1059.6 | 1058.6 |
| 17.5°  | 967.0  | 1008.0 | 1023.6 | 1026.5 | 1031.3 | 1030.3 | 1031.3 | 1035.2 | 1045.0 | 1046.9 | 1047.9 |
| 20°    | 942.6  | 989.4  | 1008.0 | 1010.9 | 1015.7 | 1015.7 | 1015.7 | 1020.6 | 1030.3 | 1034.2 | 1034.2 |
| 22.5°  | 909.5  | 969.9  | 989.4  | 991.4  | 997.2  | 997.2  | 999.1  | 1006.0 | 1014.7 | 1015.7 | 1015.7 |
| 25°    | 870.5  | 948.5  | 965.0  | 970.9  | 976.8  | 979.7  | 982.6  | 986.5  | 989.4  | 988.5  | 989.4  |
| 27.5°  | 829.6  | 921.1  | 942.6  | 946.5  | 954.4  | 957.3  | 961.2  | 962.1  | 963.1  | 966.0  | 964.1  |
| 30°    | 783.7  | 883.1  | 915.3  | 919.2  | 931.9  | 933.8  | 929.9  | 931.9  | 936.7  | 938.8  | 940.7  |
| 32.5°  | 732.1  | 826.7  | 887.0  | 895.8  | 907.6  | 901.7  | 900.7  | 903.6  | 911.4  | 911.4  | 913.4  |
| 35°    | 661.9  | 782.8  | 860.8  | 868.5  | 877.3  | 870.5  | 874.4  | 875.4  | 880.2  | 883.1  | 882.2  |
| 37.5°  | 584.9  | 744.8  | 833.4  | 839.3  | 846.1  | 837.3  | 843.2  | 846.1  | 850.0  | 848.1  | 848.1  |
| 40°    | 516.7  | 685.3  | 801.3  | 805.1  | 811.1  | 804.2  | 810.1  | 812.0  | 814.0  | 812.0  | 811.1  |
| 42.5°  | 466.0  | 620.0  | 767.2  | 772.0  | 768.1  | 773.0  | 775.0  | 778.9  | 776.0  | 772.0  | 772.0  |
| 45°    | 426.9  | 602.4  | 730.1  | 736.0  | 730.1  | 737.9  | 740.8  | 740.8  | 732.1  | 730.1  | 729.2  |
| 47.5°  | 414.2  | 567.3  | 693.1  | 693.1  | 690.1  | 699.9  | 704.8  | 698.0  | 689.2  | 686.2  | 686.2  |
| 50°    | 413.3  | 528.3  | 642.4  | 638.5  | 652.1  | 663.9  | 658.9  | 652.1  | 645.4  | 634.6  | 634.6  |
| 52.5°  | 375.3  | 480.5  | 577.0  | 591.7  | 613.2  | 620.0  | 612.2  | 605.3  | 593.6  | 588.8  | 584.9  |
| 55°    | 348.0  | 430.8  | 517.6  | 546.9  | 569.3  | 578.0  | 563.5  | 556.6  | 539.1  | 536.1  | 534.2  |
| 57.5°  | 342.2  | 358.7  | 463.0  | 500.1  | 527.3  | 526.4  | 517.6  | 504.9  | 490.3  | 487.4  | 486.4  |
| 60°    | 313.9  | 259.3  | 404.6  | 448.5  | 476.7  | 473.7  | 466.0  | 454.3  | 440.6  | 438.7  | 436.7  |
| 62.5°  | 284.6  | 188.2  | 338.3  | 388.0  | 427.9  | 426.9  | 420.2  | 402.6  | 392.8  | 388.0  | 384.1  |
| 65°    | 241.8  | 157.9  | 240.8  | 322.7  | 380.1  | 382.1  | 367.5  | 354.8  | 344.1  | 338.3  | 337.3  |
| 67.5°  | 184.2  | 128.7  | 162.8  | 269.1  | 334.4  | 332.4  | 313.9  | 308.0  | 294.4  | 291.5  | 285.7  |
| 70°    | 136.4  | 85.8   | 113.1  | 218.3  | 289.5  | 284.6  | 270.1  | 263.2  | 250.5  | 243.7  | 239.8  |
| 72.5°  | 113.1  | 69.2   | 82.8   | 169.6  | 243.7  | 237.9  | 225.2  | 217.3  | 206.7  | 200.8  | 196.9  |
| 75°    | 91.7   | 73.1   | 63.4   | 125.8  | 197.9  | 194.0  | 182.3  | 174.5  | 165.7  | 157.9  | 158.9  |
| 77.5°  | 67.2   | 68.2   | 50.7   | 92.6   | 157.0  | 151.1  | 144.3  | 134.5  | 130.6  | 122.9  | 122.9  |
| 80°    | 50.7   | 53.6   | 38.0   | 63.4   | 113.1  | 113.1  | 107.3  | 100.4  | 93.6   | 89.7   | 89.7   |
| 82.5°  | 34.1   | 34.1   | 28.3   | 39.9   | 77.0   | 74.1   | 70.2   | 68.2   | 64.3   | 62.4   | 62.4   |
| 85°    | 15.6   | 19.5   | 17.5   | 24.3   | 42.0   | 43.9   | 43.9   | 42.0   | 41.0   | 39.0   | 39.9   |
| 87.5°  | 4.8    | 8.8    | 10.8   | 13.7   | 21.4   | 22.4   | 23.4   | 23.4   | 23.4   | 24.3   | 24.3   |
| 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 |

TEST NUMBER: P935899

CATALOG NUMBER: SQ4-FA-150U-050D-B35-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 |
| 2.5°   | 1056.7 | 1053.8 | 1056.7 | 1054.8 | 1055.7 | 1052.8 | 1044.0 | 1041.1 | 1044.0 | 1046.9 | 1046.9 |
| 5°     | 1069.4 | 1067.4 | 1069.4 | 1069.4 | 1068.4 | 1066.4 | 1056.7 | 1054.8 | 1056.7 | 1057.7 | 1055.7 |
| 7.5°   | 1073.3 | 1070.4 | 1073.3 | 1071.3 | 1071.3 | 1069.4 | 1059.6 | 1057.7 | 1058.6 | 1061.5 | 1058.6 |
| 10°    | 1073.3 | 1070.4 | 1073.3 | 1072.3 | 1071.3 | 1069.4 | 1059.6 | 1055.7 | 1055.7 | 1058.6 | 1055.7 |
| 12.5°  | 1068.4 | 1066.4 | 1068.4 | 1066.4 | 1066.4 | 1064.4 | 1054.8 | 1050.8 | 1051.8 | 1052.8 | 1048.8 |
| 15°    | 1060.6 | 1057.7 | 1060.6 | 1058.6 | 1059.6 | 1056.7 | 1045.9 | 1042.1 | 1042.1 | 1044.0 | 1037.2 |
| 17.5°  | 1048.8 | 1045.0 | 1048.8 | 1047.9 | 1046.9 | 1045.0 | 1035.2 | 1031.3 | 1030.3 | 1031.3 | 1026.5 |
| 20°    | 1035.2 | 1032.3 | 1035.2 | 1034.2 | 1034.2 | 1030.3 | 1020.6 | 1015.7 | 1015.7 | 1015.7 | 1010.9 |
| 22.5°  | 1013.8 | 1010.9 | 1013.8 | 1015.7 | 1015.7 | 1014.7 | 1006.0 | 999.1  | 997.2  | 997.2  | 991.4  |
| 25°    | 989.4  | 986.5  | 989.4  | 989.4  | 988.5  | 989.4  | 986.5  | 982.6  | 979.7  | 976.8  | 970.9  |
| 27.5°  | 966.0  | 964.1  | 966.0  | 964.1  | 966.0  | 963.1  | 962.1  | 961.2  | 957.3  | 954.4  | 946.5  |
| 30°    | 942.6  | 940.7  | 942.6  | 940.7  | 938.8  | 936.7  | 931.9  | 929.9  | 933.8  | 931.9  | 919.2  |
| 32.5°  | 913.4  | 911.4  | 913.4  | 913.4  | 911.4  | 911.4  | 903.6  | 900.7  | 901.7  | 907.6  | 895.8  |
| 35°    | 883.1  | 880.2  | 883.1  | 882.2  | 883.1  | 880.2  | 875.4  | 874.4  | 870.5  | 877.3  | 868.5  |
| 37.5°  | 848.1  | 845.2  | 848.1  | 848.1  | 848.1  | 850.0  | 846.1  | 843.2  | 837.3  | 846.1  | 839.3  |
| 40°    | 812.0  | 808.1  | 812.0  | 811.1  | 812.0  | 814.0  | 812.0  | 810.1  | 804.2  | 811.1  | 805.1  |
| 42.5°  | 771.0  | 770.1  | 771.0  | 772.0  | 772.0  | 776.0  | 778.9  | 775.0  | 773.0  | 768.1  | 772.0  |
| 45°    | 727.2  | 725.2  | 727.2  | 729.2  | 730.1  | 732.1  | 740.8  | 740.8  | 737.9  | 730.1  | 736.0  |
| 47.5°  | 680.4  | 675.5  | 680.4  | 686.2  | 686.2  | 689.2  | 698.0  | 704.8  | 699.9  | 690.1  | 693.1  |
| 50°    | 630.7  | 631.7  | 630.7  | 634.6  | 634.6  | 645.4  | 652.1  | 658.9  | 663.9  | 652.1  | 638.5  |
| 52.5°  | 582.0  | 581.0  | 582.0  | 584.9  | 588.8  | 593.6  | 605.3  | 612.2  | 620.0  | 613.2  | 591.7  |
| 55°    | 533.2  | 535.2  | 533.2  | 534.2  | 536.1  | 539.1  | 556.6  | 563.5  | 578.0  | 569.3  | 546.9  |
| 57.5°  | 484.5  | 481.6  | 484.5  | 486.4  | 487.4  | 490.3  | 504.9  | 517.6  | 526.4  | 527.3  | 500.1  |
| 60°    | 427.9  | 424.0  | 427.9  | 436.7  | 438.7  | 440.6  | 454.3  | 466.0  | 473.7  | 476.7  | 448.5  |
| 62.5°  | 378.2  | 371.4  | 378.2  | 384.1  | 388.0  | 392.8  | 402.6  | 420.2  | 426.9  | 427.9  | 388.0  |
| 65°    | 325.6  | 322.7  | 325.6  | 337.3  | 338.3  | 344.1  | 354.8  | 367.5  | 382.1  | 380.1  | 322.7  |
| 67.5°  | 277.8  | 277.8  | 277.8  | 285.7  | 291.5  | 294.4  | 308.0  | 313.9  | 332.4  | 334.4  | 269.1  |
| 70°    | 233.9  | 232.9  | 233.9  | 239.8  | 243.7  | 250.5  | 263.2  | 270.1  | 284.6  | 289.5  | 218.3  |
| 72.5°  | 192.1  | 191.1  | 192.1  | 196.9  | 200.8  | 206.7  | 217.3  | 225.2  | 237.9  | 243.7  | 169.6  |
| 75°    | 155.0  | 153.0  | 155.0  | 158.9  | 157.9  | 165.7  | 174.5  | 182.3  | 194.0  | 197.9  | 125.8  |
| 77.5°  | 118.9  | 118.9  | 118.9  | 122.9  | 122.9  | 130.6  | 134.5  | 144.3  | 151.1  | 157.0  | 92.6   |
| 80°    | 88.7   | 87.7   | 88.7   | 89.7   | 89.7   | 93.6   | 100.4  | 107.3  | 113.1  | 113.1  | 63.4   |
| 82.5°  | 62.4   | 60.5   | 62.4   | 62.4   | 62.4   | 64.3   | 68.2   | 70.2   | 74.1   | 77.0   | 39.9   |
| 85°    | 39.0   | 39.0   | 39.0   | 39.9   | 39.0   | 41.0   | 42.0   | 43.9   | 43.9   | 42.0   | 24.3   |
| 87.5°  | 25.4   | 24.3   | 25.4   | 24.3   | 24.3   | 23.4   | 23.4   | 23.4   | 22.4   | 21.4   | 13.7   |
| 90°    | 34.5   | 34.5   | 34.5   | 34.5   | 34.5   | 45.9   | 61.2   | 68.9   | 59.2   | 39.9   | 25.4   |
| 92.5°  | 138.0  | 110.6  | 138.0  | 165.4  | 172.3  | 244.2  | 340.0  | 388.0  | 340.7  | 246.0  | 175.0  |
| 95°    | 480.9  | 398.0  | 480.9  | 564.0  | 584.7  | 767.8  | 1012.0 | 1134.1 | 957.9  | 605.3  | 340.9  |
| 97.5°  | 1152.4 | 994.5  | 1152.4 | 1310.4 | 1349.9 | 1465.6 | 1620.0 | 1697.1 | 1403.2 | 815.3  | 374.4  |
| 100°   | 1660.5 | 1472.3 | 1660.5 | 1848.7 | 1895.7 | 1887.2 | 1875.9 | 1870.3 | 1544.1 | 891.8  | 402.5  |
| 102.5° | 2160.1 | 1999.0 | 2160.1 | 2321.2 | 2361.5 | 2214.1 | 2017.5 | 1919.2 | 1588.4 | 926.8  | 430.6  |
| 105°   | 2797.2 | 2710.6 | 2797.2 | 2883.8 | 2905.5 | 2574.9 | 2134.1 | 1913.8 | 1593.4 | 952.8  | 472.3  |
| 107.5° | 3214.6 | 3235.5 | 3214.6 | 3193.6 | 3188.4 | 2727.3 | 2112.4 | 1805.0 | 1522.5 | 957.6  | 533.9  |
| 110°   | 3373.7 | 3464.0 | 3373.7 | 3283.5 | 3260.9 | 2745.4 | 2058.0 | 1714.3 | 1459.6 | 950.4  | 568.4  |

TEST NUMBER: P935899

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**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 3387.9 | 3526.5 | 3387.9 | 3249.3 | 3214.7 | 2687.0 | 1983.5 | 1631.8 | 1404.8 | 950.7  | 610.1  |
| 115°   | 3298.0 | 3490.2 | 3298.0 | 3105.8 | 3057.8 | 2549.5 | 1871.8 | 1533.0 | 1341.8 | 959.4  | 672.7  |
| 117.5° | 3107.6 | 3320.8 | 3107.6 | 2894.4 | 2841.1 | 2382.4 | 1770.8 | 1465.0 | 1302.4 | 977.3  | 733.4  |
| 120°   | 2954.1 | 3161.2 | 2954.1 | 2746.9 | 2695.2 | 2276.1 | 1717.3 | 1437.8 | 1289.2 | 991.8  | 768.8  |
| 122.5° | 2804.6 | 3008.8 | 2804.6 | 2600.3 | 2549.2 | 2171.8 | 1668.6 | 1417.0 | 1282.2 | 1012.6 | 810.5  |
| 125°   | 2591.3 | 2779.5 | 2591.3 | 2403.1 | 2356.1 | 2035.5 | 1608.1 | 1394.3 | 1276.5 | 1040.7 | 864.0  |
| 127.5° | 2399.5 | 2558.4 | 2399.5 | 2240.8 | 2201.1 | 1925.8 | 1558.7 | 1375.2 | 1273.1 | 1068.8 | 915.6  |
| 130°   | 2286.5 | 2433.2 | 2286.5 | 2139.8 | 2103.2 | 1858.2 | 1531.4 | 1368.0 | 1275.2 | 1089.4 | 950.1  |
| 132.5° | 2183.9 | 2315.3 | 2183.9 | 2052.6 | 2019.8 | 1800.4 | 1507.9 | 1361.6 | 1276.5 | 1106.0 | 978.2  |
| 135°   | 2043.5 | 2156.7 | 2043.5 | 1930.2 | 1902.0 | 1718.2 | 1473.3 | 1350.8 | 1275.2 | 1124.1 | 1010.9 |
| 137.5° | 1930.8 | 2023.5 | 1930.8 | 1838.1 | 1814.9 | 1659.6 | 1452.5 | 1348.9 | 1283.1 | 1151.4 | 1052.5 |
| 140°   | 1853.4 | 1940.0 | 1853.4 | 1766.8 | 1745.2 | 1611.0 | 1432.1 | 1342.6 | 1284.4 | 1167.9 | 1080.6 |
| 142.5° | 1789.4 | 1863.9 | 1789.4 | 1714.7 | 1696.1 | 1578.3 | 1421.2 | 1342.6 | 1289.1 | 1181.9 | 1101.5 |
| 145°   | 1693.2 | 1749.6 | 1693.2 | 1636.8 | 1622.8 | 1526.4 | 1397.8 | 1333.5 | 1289.1 | 1200.0 | 1133.2 |
| 147.5° | 1619.5 | 1666.3 | 1619.5 | 1572.8 | 1561.1 | 1485.2 | 1384.1 | 1333.5 | 1297.9 | 1226.6 | 1173.1 |
| 150°   | 1573.1 | 1611.0 | 1573.1 | 1535.2 | 1525.7 | 1461.6 | 1376.3 | 1333.5 | 1302.5 | 1240.4 | 1193.9 |
| 152.5° | 1533.3 | 1562.0 | 1533.3 | 1504.8 | 1497.6 | 1442.9 | 1370.0 | 1333.5 | 1305.5 | 1249.5 | 1207.6 |
| 155°   | 1487.7 | 1506.7 | 1487.7 | 1468.8 | 1464.1 | 1420.6 | 1362.5 | 1333.5 | 1312.2 | 1269.5 | 1237.4 |
| 157.5° | 1451.8 | 1465.0 | 1451.8 | 1438.4 | 1435.1 | 1401.3 | 1356.1 | 1333.5 | 1318.8 | 1289.4 | 1267.4 |
| 160°   | 1430.1 | 1437.8 | 1430.1 | 1422.5 | 1420.6 | 1391.6 | 1352.9 | 1333.5 | 1321.8 | 1298.5 | 1280.9 |
| 162.5° | 1416.0 | 1423.3 | 1416.0 | 1408.8 | 1407.0 | 1382.5 | 1349.8 | 1333.5 | 1325.1 | 1308.1 | 1295.5 |
| 165°   | 1395.7 | 1403.3 | 1395.7 | 1388.1 | 1386.2 | 1368.6 | 1345.3 | 1333.5 | 1329.7 | 1322.0 | 1316.3 |
| 167.5° | 1381.1 | 1384.3 | 1381.1 | 1377.8 | 1377.0 | 1365.6 | 1350.3 | 1342.6 | 1339.4 | 1333.0 | 1328.1 |
| 170°   | 1377.0 | 1377.0 | 1377.0 | 1377.0 | 1377.0 | 1365.6 | 1350.3 | 1342.6 | 1342.5 | 1342.0 | 1341.7 |
| 172.5° | 1366.3 | 1363.5 | 1366.3 | 1369.1 | 1369.8 | 1360.8 | 1348.7 | 1342.6 | 1342.6 | 1342.6 | 1342.6 |
| 175°   | 1359.8 | 1359.8 | 1359.8 | 1359.8 | 1359.8 | 1354.1 | 1346.4 | 1342.6 | 1344.5 | 1348.1 | 1350.8 |
| 177.5° | 1354.0 | 1350.8 | 1354.0 | 1357.3 | 1358.1 | 1353.5 | 1347.4 | 1344.4 | 1345.8 | 1348.7 | 1350.8 |
| 180°   | 1350.8 | 1350.8 | 1350.8 | 1350.8 | 1350.8 | 1350.8 | 1350.8 | 1350.8 | 1350.8 | 1350.8 | 1350.8 |

TEST NUMBER: P935899

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**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 |
| 2.5°   | 1045.0 | 1039.2 | 1039.2 | 1029.4 | 1025.5 | 1022.6 | 1017.6 | 1003.1 | 999.1  | 995.3  | 1001.1 |
| 5°     | 1053.8 | 1043.0 | 1035.2 | 1017.6 | 1003.1 | 997.2  | 978.7  | 943.6  | 920.2  | 902.6  | 892.9  |
| 7.5°   | 1055.7 | 1042.1 | 1027.4 | 1000.1 | 965.0  | 949.4  | 892.9  | 828.6  | 811.1  | 795.5  | 785.7  |
| 10°    | 1053.8 | 1038.2 | 1017.6 | 976.8  | 893.9  | 866.6  | 810.1  | 768.1  | 757.4  | 754.5  | 757.4  |
| 12.5°  | 1046.9 | 1032.3 | 1004.1 | 935.8  | 819.8  | 801.3  | 768.1  | 743.8  | 741.8  | 746.7  | 773.0  |
| 15°    | 1035.2 | 1021.6 | 988.5  | 881.2  | 778.9  | 765.2  | 741.8  | 733.0  | 743.8  | 777.9  | 856.9  |
| 17.5°  | 1023.6 | 1008.0 | 967.0  | 827.6  | 747.7  | 737.9  | 721.3  | 738.9  | 799.3  | 845.2  | 871.4  |
| 20°    | 1008.0 | 989.4  | 942.6  | 788.6  | 725.2  | 716.5  | 708.6  | 787.6  | 833.4  | 850.0  | 864.6  |
| 22.5°  | 989.4  | 969.9  | 909.5  | 761.3  | 701.8  | 695.1  | 699.9  | 814.9  | 833.4  | 845.2  | 857.9  |
| 25°    | 965.0  | 948.5  | 870.5  | 739.8  | 683.3  | 675.5  | 694.1  | 812.0  | 822.7  | 825.7  | 851.0  |
| 27.5°  | 942.6  | 921.1  | 829.6  | 720.4  | 661.0  | 658.0  | 698.9  | 799.3  | 807.2  | 810.1  | 837.3  |
| 30°    | 915.3  | 883.1  | 783.7  | 699.9  | 637.5  | 636.5  | 699.9  | 783.7  | 781.8  | 789.5  | 816.9  |
| 32.5°  | 887.0  | 826.7  | 732.1  | 674.5  | 615.1  | 614.2  | 693.1  | 760.4  | 758.4  | 769.1  | 789.5  |
| 35°    | 860.8  | 782.8  | 661.9  | 645.4  | 586.8  | 587.8  | 676.5  | 733.0  | 734.0  | 743.8  | 756.4  |
| 37.5°  | 833.4  | 744.8  | 584.9  | 613.2  | 559.5  | 559.5  | 654.1  | 707.7  | 705.7  | 708.6  | 726.3  |
| 40°    | 801.3  | 685.3  | 516.7  | 571.2  | 534.2  | 531.3  | 626.7  | 680.4  | 673.6  | 672.6  | 697.0  |
| 42.5°  | 767.2  | 620.0  | 466.0  | 515.7  | 504.9  | 501.1  | 593.6  | 647.3  | 634.6  | 637.5  | 668.7  |
| 45°    | 730.1  | 602.4  | 426.9  | 435.8  | 474.7  | 471.8  | 557.6  | 609.2  | 600.5  | 608.2  | 640.4  |
| 47.5°  | 693.1  | 567.3  | 414.2  | 361.6  | 442.5  | 441.6  | 517.6  | 572.2  | 567.3  | 575.1  | 609.2  |
| 50°    | 642.4  | 528.3  | 413.3  | 310.0  | 406.5  | 410.4  | 469.9  | 536.1  | 536.1  | 542.9  | 579.1  |
| 52.5°  | 577.0  | 480.5  | 375.3  | 280.7  | 364.5  | 376.3  | 427.9  | 504.9  | 506.9  | 513.8  | 545.8  |
| 55°    | 517.6  | 430.8  | 348.0  | 258.3  | 314.8  | 340.2  | 387.0  | 472.8  | 476.7  | 483.5  | 512.7  |
| 57.5°  | 463.0  | 358.7  | 342.2  | 232.0  | 269.1  | 293.4  | 351.0  | 441.6  | 443.5  | 449.4  | 477.6  |
| 60°    | 404.6  | 259.3  | 313.9  | 203.7  | 229.1  | 247.6  | 317.7  | 404.6  | 411.3  | 415.2  | 439.6  |
| 62.5°  | 338.3  | 188.2  | 284.6  | 184.2  | 209.6  | 213.5  | 290.5  | 369.5  | 378.2  | 381.1  | 395.7  |
| 65°    | 240.8  | 157.9  | 241.8  | 167.6  | 189.1  | 190.1  | 261.2  | 333.3  | 341.2  | 346.0  | 356.8  |
| 67.5°  | 162.8  | 128.7  | 184.2  | 152.0  | 173.5  | 174.5  | 232.9  | 291.5  | 302.2  | 306.1  | 312.9  |
| 70°    | 113.1  | 85.8   | 136.4  | 135.5  | 156.0  | 157.9  | 202.7  | 253.5  | 263.2  | 266.1  | 270.1  |
| 72.5°  | 82.8   | 69.2   | 113.1  | 121.8  | 137.4  | 139.4  | 171.6  | 210.6  | 220.4  | 223.3  | 225.2  |
| 75°    | 63.4   | 73.1   | 91.7   | 106.3  | 117.0  | 117.9  | 140.4  | 171.6  | 178.4  | 180.3  | 181.3  |
| 77.5°  | 50.7   | 68.2   | 67.2   | 85.8   | 95.5   | 93.6   | 110.2  | 132.6  | 138.4  | 138.4  | 138.4  |
| 80°    | 38.0   | 53.6   | 50.7   | 61.4   | 70.2   | 68.2   | 79.0   | 94.6   | 96.5   | 98.5   | 97.5   |
| 82.5°  | 28.3   | 34.1   | 34.1   | 39.0   | 46.8   | 44.9   | 52.6   | 61.4   | 61.4   | 61.4   | 63.4   |
| 85°    | 17.5   | 19.5   | 15.6   | 20.4   | 26.4   | 25.4   | 29.3   | 33.1   | 34.1   | 34.1   | 32.2   |
| 87.5°  | 10.8   | 8.8    | 4.8    | 7.8    | 11.7   | 11.7   | 13.7   | 14.6   | 13.7   | 13.7   | 13.7   |
| 90°    | 23.5   | 16.4   | 9.1    | 16.4   | 23.5   | 25.4   | 39.9   | 59.2   | 68.9   | 61.2   | 45.9   |
| 92.5°  | 159.6  | 97.9   | 36.2   | 97.9   | 159.6  | 175.0  | 246.0  | 340.7  | 388.0  | 340.0  | 244.2  |
| 95°    | 312.7  | 199.8  | 87.0   | 199.8  | 312.7  | 340.9  | 605.3  | 957.9  | 1134.1 | 1012.0 | 767.8  |
| 97.5°  | 349.5  | 250.0  | 150.5  | 250.0  | 349.5  | 374.4  | 815.3  | 1403.2 | 1697.1 | 1620.0 | 1465.6 |
| 100°   | 379.9  | 289.7  | 199.4  | 289.7  | 379.9  | 402.5  | 891.8  | 1544.1 | 1870.3 | 1875.9 | 1887.2 |
| 102.5° | 409.6  | 325.4  | 241.2  | 325.4  | 409.6  | 430.6  | 926.8  | 1588.4 | 1919.2 | 2017.5 | 2214.1 |
| 105°   | 454.5  | 383.1  | 311.8  | 383.1  | 454.5  | 472.3  | 952.8  | 1593.4 | 1913.8 | 2134.1 | 2574.9 |
| 107.5° | 517.3  | 450.9  | 384.4  | 450.9  | 517.3  | 533.9  | 957.6  | 1522.5 | 1805.0 | 2112.4 | 2727.3 |
| 110°   | 553.4  | 493.4  | 433.3  | 493.4  | 553.4  | 568.4  | 950.4  | 1459.6 | 1714.3 | 2058.0 | 2745.4 |

TEST NUMBER: P935899

CATALOG NUMBER: SQ4-FA-150U-050D-B35-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 595.7  | 538.6  | 481.4  | 538.6  | 595.7  | 610.1  | 950.7  | 1404.8 | 1631.8 | 1983.5 | 2687.0 |
| 115°   | 659.5  | 606.7  | 553.9  | 606.7  | 659.5  | 672.7  | 959.4  | 1341.8 | 1533.0 | 1871.8 | 2549.5 |
| 117.5° | 721.4  | 673.5  | 625.5  | 673.5  | 721.4  | 733.4  | 977.3  | 1302.4 | 1465.0 | 1770.8 | 2382.4 |
| 120°   | 757.6  | 712.4  | 667.3  | 712.4  | 757.6  | 768.8  | 991.8  | 1289.2 | 1437.8 | 1717.3 | 2276.1 |
| 122.5° | 799.1  | 753.6  | 708.0  | 753.6  | 799.1  | 810.5  | 1012.6 | 1282.2 | 1417.0 | 1668.6 | 2171.8 |
| 125°   | 853.6  | 812.0  | 770.5  | 812.0  | 853.6  | 864.0  | 1040.7 | 1276.5 | 1394.3 | 1608.1 | 2035.5 |
| 127.5° | 905.1  | 863.2  | 821.3  | 863.2  | 905.1  | 915.6  | 1068.8 | 1273.1 | 1375.2 | 1558.7 | 1925.8 |
| 130°   | 938.9  | 893.7  | 848.6  | 893.7  | 938.9  | 950.1  | 1089.4 | 1275.2 | 1368.0 | 1531.4 | 1858.2 |
| 132.5° | 967.0  | 921.8  | 876.7  | 921.8  | 967.0  | 978.2  | 1106.0 | 1276.5 | 1361.6 | 1507.9 | 1800.4 |
| 135°   | 1000.6 | 959.4  | 918.3  | 959.4  | 1000.6 | 1010.9 | 1124.1 | 1275.2 | 1350.8 | 1473.3 | 1718.2 |
| 137.5° | 1042.4 | 1001.7 | 961.0  | 1001.7 | 1042.4 | 1052.5 | 1151.4 | 1283.1 | 1348.9 | 1452.5 | 1659.6 |
| 140°   | 1071.2 | 1033.8 | 996.3  | 1033.8 | 1071.2 | 1080.6 | 1167.9 | 1284.4 | 1342.6 | 1432.1 | 1611.0 |
| 142.5° | 1092.8 | 1058.1 | 1023.5 | 1058.1 | 1092.8 | 1101.5 | 1181.9 | 1289.1 | 1342.6 | 1421.2 | 1578.3 |
| 145°   | 1125.7 | 1095.5 | 1065.2 | 1095.5 | 1125.7 | 1133.2 | 1200.0 | 1289.1 | 1333.5 | 1397.8 | 1526.4 |
| 147.5° | 1165.7 | 1136.3 | 1106.9 | 1136.3 | 1165.7 | 1173.1 | 1226.6 | 1297.9 | 1333.5 | 1384.1 | 1485.2 |
| 150°   | 1187.2 | 1160.7 | 1134.1 | 1160.7 | 1187.2 | 1193.9 | 1240.4 | 1302.5 | 1333.5 | 1376.3 | 1461.6 |
| 152.5° | 1202.5 | 1182.4 | 1162.2 | 1182.4 | 1202.5 | 1207.6 | 1249.5 | 1305.5 | 1333.5 | 1370.0 | 1442.9 |
| 155°   | 1233.7 | 1218.8 | 1203.9 | 1218.8 | 1233.7 | 1237.4 | 1269.5 | 1312.2 | 1333.5 | 1362.5 | 1420.6 |
| 157.5° | 1263.8 | 1249.2 | 1234.7 | 1249.2 | 1263.8 | 1267.4 | 1289.4 | 1318.8 | 1333.5 | 1356.1 | 1401.3 |
| 160°   | 1278.1 | 1266.9 | 1255.6 | 1266.9 | 1278.1 | 1280.9 | 1298.5 | 1321.8 | 1333.5 | 1352.9 | 1391.6 |
| 162.5° | 1293.3 | 1284.9 | 1276.5 | 1284.9 | 1293.3 | 1295.5 | 1308.1 | 1325.1 | 1333.5 | 1349.8 | 1382.5 |
| 165°   | 1314.4 | 1306.8 | 1299.1 | 1306.8 | 1314.4 | 1316.3 | 1322.0 | 1329.7 | 1333.5 | 1345.3 | 1368.6 |
| 167.5° | 1327.2 | 1323.6 | 1320.0 | 1323.6 | 1327.2 | 1328.1 | 1333.0 | 1339.4 | 1342.6 | 1350.3 | 1365.6 |
| 170°   | 1340.8 | 1337.1 | 1333.5 | 1337.1 | 1340.8 | 1341.7 | 1342.0 | 1342.5 | 1342.6 | 1350.3 | 1365.6 |
| 172.5° | 1342.5 | 1341.6 | 1340.8 | 1341.6 | 1342.5 | 1342.6 | 1342.6 | 1342.6 | 1342.6 | 1348.7 | 1360.8 |
| 175°   | 1350.8 | 1350.8 | 1350.8 | 1350.8 | 1350.8 | 1350.8 | 1348.1 | 1344.5 | 1342.6 | 1346.4 | 1354.1 |
| 177.5° | 1350.8 | 1350.8 | 1350.8 | 1350.8 | 1350.8 | 1350.8 | 1348.7 | 1345.8 | 1344.4 | 1347.4 | 1353.5 |
| 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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**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 |
| 2.5°   | 994.3  | 991.4  | 995.3  | 984.5  | 995.3  | 991.4  | 994.3  | 1001.1 | 995.3  | 999.1  | 1003.1 |
| 5°     | 872.5  | 867.5  | 851.9  | 839.3  | 851.9  | 867.5  | 872.5  | 892.9  | 902.6  | 920.2  | 943.6  |
| 7.5°   | 779.9  | 776.0  | 772.0  | 764.3  | 772.0  | 776.0  | 779.9  | 785.7  | 795.5  | 811.1  | 828.6  |
| 10°    | 759.4  | 760.4  | 766.2  | 765.2  | 766.2  | 760.4  | 759.4  | 757.4  | 754.5  | 757.4  | 768.1  |
| 12.5°  | 812.0  | 820.7  | 852.9  | 851.0  | 852.9  | 820.7  | 812.0  | 773.0  | 746.7  | 741.8  | 743.8  |
| 15°    | 872.5  | 875.4  | 882.2  | 883.1  | 882.2  | 875.4  | 872.5  | 856.9  | 777.9  | 743.8  | 733.0  |
| 17.5°  | 878.3  | 879.3  | 884.1  | 884.1  | 884.1  | 879.3  | 878.3  | 871.4  | 845.2  | 799.3  | 738.9  |
| 20°    | 873.5  | 875.4  | 885.1  | 887.0  | 885.1  | 875.4  | 873.5  | 864.6  | 850.0  | 833.4  | 787.6  |
| 22.5°  | 871.4  | 875.4  | 883.1  | 882.2  | 883.1  | 875.4  | 871.4  | 857.9  | 845.2  | 833.4  | 814.9  |
| 25°    | 861.7  | 861.7  | 862.7  | 863.7  | 862.7  | 861.7  | 861.7  | 851.0  | 825.7  | 822.7  | 812.0  |
| 27.5°  | 841.3  | 843.2  | 849.0  | 848.1  | 849.0  | 843.2  | 841.3  | 837.3  | 810.1  | 807.2  | 799.3  |
| 30°    | 822.7  | 820.7  | 815.9  | 812.0  | 815.9  | 820.7  | 822.7  | 816.9  | 789.5  | 781.8  | 783.7  |
| 32.5°  | 791.6  | 786.6  | 781.8  | 778.9  | 781.8  | 786.6  | 791.6  | 789.5  | 769.1  | 758.4  | 760.4  |
| 35°    | 754.5  | 755.4  | 754.5  | 751.6  | 754.5  | 755.4  | 754.5  | 756.4  | 743.8  | 734.0  | 733.0  |
| 37.5°  | 728.2  | 730.1  | 729.2  | 725.2  | 729.2  | 730.1  | 728.2  | 726.3  | 708.6  | 705.7  | 707.7  |
| 40°    | 700.9  | 701.8  | 700.9  | 698.0  | 700.9  | 701.8  | 700.9  | 697.0  | 672.6  | 673.6  | 680.4  |
| 42.5°  | 674.5  | 673.6  | 670.6  | 668.7  | 670.6  | 673.6  | 674.5  | 668.7  | 637.5  | 634.6  | 647.3  |
| 45°    | 644.4  | 645.4  | 639.4  | 636.5  | 639.4  | 645.4  | 644.4  | 640.4  | 608.2  | 600.5  | 609.2  |
| 47.5°  | 614.2  | 614.2  | 609.2  | 606.3  | 609.2  | 614.2  | 614.2  | 609.2  | 575.1  | 567.3  | 572.2  |
| 50°    | 582.0  | 581.0  | 574.1  | 573.2  | 574.1  | 581.0  | 582.0  | 579.1  | 542.9  | 536.1  | 536.1  |
| 52.5°  | 544.9  | 544.9  | 545.8  | 547.9  | 545.8  | 544.9  | 544.9  | 545.8  | 513.8  | 506.9  | 504.9  |
| 55°    | 512.7  | 513.8  | 520.5  | 522.5  | 520.5  | 513.8  | 512.7  | 512.7  | 483.5  | 476.7  | 472.8  |
| 57.5°  | 479.6  | 479.6  | 484.5  | 484.5  | 484.5  | 479.6  | 479.6  | 477.6  | 449.4  | 443.5  | 441.6  |
| 60°    | 441.6  | 443.5  | 447.4  | 446.4  | 447.4  | 443.5  | 441.6  | 439.6  | 415.2  | 411.3  | 404.6  |
| 62.5°  | 401.7  | 403.6  | 404.6  | 402.6  | 404.6  | 403.6  | 401.7  | 395.7  | 381.1  | 378.2  | 369.5  |
| 65°    | 359.7  | 361.6  | 362.6  | 360.7  | 362.6  | 361.6  | 359.7  | 356.8  | 346.0  | 341.2  | 333.3  |
| 67.5°  | 316.8  | 315.8  | 314.8  | 318.8  | 314.8  | 315.8  | 316.8  | 312.9  | 306.1  | 302.2  | 291.5  |
| 70°    | 273.0  | 273.0  | 272.0  | 273.9  | 272.0  | 273.0  | 273.0  | 270.1  | 266.1  | 263.2  | 253.5  |
| 72.5°  | 226.2  | 225.2  | 229.1  | 226.2  | 229.1  | 225.2  | 226.2  | 225.2  | 223.3  | 220.4  | 210.6  |
| 75°    | 180.3  | 182.3  | 180.3  | 183.2  | 180.3  | 182.3  | 180.3  | 181.3  | 180.3  | 178.4  | 171.6  |
| 77.5°  | 137.4  | 139.4  | 137.4  | 137.4  | 137.4  | 139.4  | 137.4  | 138.4  | 138.4  | 138.4  | 132.6  |
| 80°    | 97.5   | 96.5   | 96.5   | 95.5   | 96.5   | 96.5   | 97.5   | 97.5   | 98.5   | 96.5   | 94.6   |
| 82.5°  | 62.4   | 61.4   | 61.4   | 63.4   | 61.4   | 61.4   | 62.4   | 63.4   | 61.4   | 61.4   | 61.4   |
| 85°    | 34.1   | 35.1   | 33.1   | 33.1   | 33.1   | 35.1   | 34.1   | 32.2   | 34.1   | 34.1   | 33.1   |
| 87.5°  | 12.7   | 11.7   | 11.7   | 11.7   | 11.7   | 11.7   | 12.7   | 13.7   | 13.7   | 13.7   | 14.6   |
| 90°    | 34.5   | 34.5   | 34.5   | 34.5   | 34.5   | 34.5   | 34.5   | 45.9   | 61.2   | 68.9   | 59.2   |
| 92.5°  | 172.3  | 165.4  | 138.0  | 110.6  | 138.0  | 165.4  | 172.3  | 244.2  | 340.0  | 388.0  | 340.7  |
| 95°    | 584.7  | 564.0  | 480.9  | 398.0  | 480.9  | 564.0  | 584.7  | 767.8  | 1012.0 | 1134.1 | 957.9  |
| 97.5°  | 1349.9 | 1310.4 | 1152.4 | 994.5  | 1152.4 | 1310.4 | 1349.9 | 1465.6 | 1620.0 | 1697.1 | 1403.2 |
| 100°   | 1895.7 | 1848.7 | 1660.5 | 1472.3 | 1660.5 | 1848.7 | 1895.7 | 1887.2 | 1875.9 | 1870.3 | 1544.1 |
| 102.5° | 2361.5 | 2321.2 | 2160.1 | 1999.0 | 2160.1 | 2321.2 | 2361.5 | 2214.1 | 2017.5 | 1919.2 | 1588.4 |
| 105°   | 2905.5 | 2883.8 | 2797.2 | 2710.6 | 2797.2 | 2883.8 | 2905.5 | 2574.9 | 2134.1 | 1913.8 | 1593.4 |
| 107.5° | 3188.4 | 3193.6 | 3214.6 | 3235.5 | 3214.6 | 3193.6 | 3188.4 | 2727.3 | 2112.4 | 1805.0 | 1522.5 |
| 110°   | 3260.9 | 3283.5 | 3373.7 | 3464.0 | 3373.7 | 3283.5 | 3260.9 | 2745.4 | 2058.0 | 1714.3 | 1459.6 |

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**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 3214.7 | 3249.3 | 3387.9 | 3526.5 | 3387.9 | 3249.3 | 3214.7 | 2687.0 | 1983.5 | 1631.8 | 1404.8 |
| 115°   | 3057.8 | 3105.8 | 3298.0 | 3490.2 | 3298.0 | 3105.8 | 3057.8 | 2549.5 | 1871.8 | 1533.0 | 1341.8 |
| 117.5° | 2841.1 | 2894.4 | 3107.6 | 3320.8 | 3107.6 | 2894.4 | 2841.1 | 2382.4 | 1770.8 | 1465.0 | 1302.4 |
| 120°   | 2695.2 | 2746.9 | 2954.1 | 3161.2 | 2954.1 | 2746.9 | 2695.2 | 2276.1 | 1717.3 | 1437.8 | 1289.2 |
| 122.5° | 2549.2 | 2600.3 | 2804.6 | 3008.8 | 2804.6 | 2600.3 | 2549.2 | 2171.8 | 1668.6 | 1417.0 | 1282.2 |
| 125°   | 2356.1 | 2403.1 | 2591.3 | 2779.5 | 2591.3 | 2403.1 | 2356.1 | 2035.5 | 1608.1 | 1394.3 | 1276.5 |
| 127.5° | 2201.1 | 2240.8 | 2399.5 | 2558.4 | 2399.5 | 2240.8 | 2201.1 | 1925.8 | 1558.7 | 1375.2 | 1273.1 |
| 130°   | 2103.2 | 2139.8 | 2286.5 | 2433.2 | 2286.5 | 2139.8 | 2103.2 | 1858.2 | 1531.4 | 1368.0 | 1275.2 |
| 132.5° | 2019.8 | 2052.6 | 2183.9 | 2315.3 | 2183.9 | 2052.6 | 2019.8 | 1800.4 | 1507.9 | 1361.6 | 1276.5 |
| 135°   | 1902.0 | 1930.2 | 2043.5 | 2156.7 | 2043.5 | 1930.2 | 1902.0 | 1718.2 | 1473.3 | 1350.8 | 1275.2 |
| 137.5° | 1814.9 | 1838.1 | 1930.8 | 2023.5 | 1930.8 | 1838.1 | 1814.9 | 1659.6 | 1452.5 | 1348.9 | 1283.1 |
| 140°   | 1745.2 | 1766.8 | 1853.4 | 1940.0 | 1853.4 | 1766.8 | 1745.2 | 1611.0 | 1432.1 | 1342.6 | 1284.4 |
| 142.5° | 1696.1 | 1714.7 | 1789.4 | 1863.9 | 1789.4 | 1714.7 | 1696.1 | 1578.3 | 1421.2 | 1342.6 | 1289.1 |
| 145°   | 1622.8 | 1636.8 | 1693.2 | 1749.6 | 1693.2 | 1636.8 | 1622.8 | 1526.4 | 1397.8 | 1333.5 | 1289.1 |
| 147.5° | 1561.1 | 1572.8 | 1619.5 | 1666.3 | 1619.5 | 1572.8 | 1561.1 | 1485.2 | 1384.1 | 1333.5 | 1297.9 |
| 150°   | 1525.7 | 1535.2 | 1573.1 | 1611.0 | 1573.1 | 1535.2 | 1525.7 | 1461.6 | 1376.3 | 1333.5 | 1302.5 |
| 152.5° | 1497.6 | 1504.8 | 1533.3 | 1562.0 | 1533.3 | 1504.8 | 1497.6 | 1442.9 | 1370.0 | 1333.5 | 1305.5 |
| 155°   | 1464.1 | 1468.8 | 1487.7 | 1506.7 | 1487.7 | 1468.8 | 1464.1 | 1420.6 | 1362.5 | 1333.5 | 1312.2 |
| 157.5° | 1435.1 | 1438.4 | 1451.8 | 1465.0 | 1451.8 | 1438.4 | 1435.1 | 1401.3 | 1356.1 | 1333.5 | 1318.8 |
| 160°   | 1420.6 | 1422.5 | 1430.1 | 1437.8 | 1430.1 | 1422.5 | 1420.6 | 1391.6 | 1352.9 | 1333.5 | 1321.8 |
| 162.5° | 1407.0 | 1408.8 | 1416.0 | 1423.3 | 1416.0 | 1408.8 | 1407.0 | 1382.5 | 1349.8 | 1333.5 | 1325.1 |
| 165°   | 1386.2 | 1388.1 | 1395.7 | 1403.3 | 1395.7 | 1388.1 | 1386.2 | 1368.6 | 1345.3 | 1333.5 | 1329.7 |
| 167.5° | 1377.0 | 1377.8 | 1381.1 | 1384.3 | 1381.1 | 1377.8 | 1377.0 | 1365.6 | 1350.3 | 1342.6 | 1339.4 |
| 170°   | 1377.0 | 1377.0 | 1377.0 | 1377.0 | 1377.0 | 1377.0 | 1377.0 | 1365.6 | 1350.3 | 1342.6 | 1342.5 |
| 172.5° | 1369.8 | 1369.1 | 1366.3 | 1363.5 | 1366.3 | 1369.1 | 1369.8 | 1360.8 | 1348.7 | 1342.6 | 1342.6 |
| 175°   | 1359.8 | 1359.8 | 1359.8 | 1359.8 | 1359.8 | 1359.8 | 1359.8 | 1354.1 | 1346.4 | 1342.6 | 1344.5 |
| 177.5° | 1358.1 | 1357.3 | 1354.0 | 1350.8 | 1354.0 | 1357.3 | 1358.1 | 1353.5 | 1347.4 | 1344.4 | 1345.8 |
| 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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**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 0°     | 1030.3 | 1030.3 | 1030.3 | 1030.3 | 1030.3 |
| 2.5°   | 1017.6 | 1022.6 | 1025.5 | 1029.4 | 1039.2 |
| 5°     | 978.7  | 997.2  | 1003.1 | 1017.6 | 1035.2 |
| 7.5°   | 892.9  | 949.4  | 965.0  | 1000.1 | 1027.4 |
| 10°    | 810.1  | 866.6  | 893.9  | 976.8  | 1017.6 |
| 12.5°  | 768.1  | 801.3  | 819.8  | 935.8  | 1004.1 |
| 15°    | 741.8  | 765.2  | 778.9  | 881.2  | 988.5  |
| 17.5°  | 721.3  | 737.9  | 747.7  | 827.6  | 967.0  |
| 20°    | 708.6  | 716.5  | 725.2  | 788.6  | 942.6  |
| 22.5°  | 699.9  | 695.1  | 701.8  | 761.3  | 909.5  |
| 25°    | 694.1  | 675.5  | 683.3  | 739.8  | 870.5  |
| 27.5°  | 698.9  | 658.0  | 661.0  | 720.4  | 829.6  |
| 30°    | 699.9  | 636.5  | 637.5  | 699.9  | 783.7  |
| 32.5°  | 693.1  | 614.2  | 615.1  | 674.5  | 732.1  |
| 35°    | 676.5  | 587.8  | 586.8  | 645.4  | 661.9  |
| 37.5°  | 654.1  | 559.5  | 559.5  | 613.2  | 584.9  |
| 40°    | 626.7  | 531.3  | 534.2  | 571.2  | 516.7  |
| 42.5°  | 593.6  | 501.1  | 504.9  | 515.7  | 466.0  |
| 45°    | 557.6  | 471.8  | 474.7  | 435.8  | 426.9  |
| 47.5°  | 517.6  | 441.6  | 442.5  | 361.6  | 414.2  |
| 50°    | 469.9  | 410.4  | 406.5  | 310.0  | 413.3  |
| 52.5°  | 427.9  | 376.3  | 364.5  | 280.7  | 375.3  |
| 55°    | 387.0  | 340.2  | 314.8  | 258.3  | 348.0  |
| 57.5°  | 351.0  | 293.4  | 269.1  | 232.0  | 342.2  |
| 60°    | 317.7  | 247.6  | 229.1  | 203.7  | 313.9  |
| 62.5°  | 290.5  | 213.5  | 209.6  | 184.2  | 284.6  |
| 65°    | 261.2  | 190.1  | 189.1  | 167.6  | 241.8  |
| 67.5°  | 232.9  | 174.5  | 173.5  | 152.0  | 184.2  |
| 70°    | 202.7  | 157.9  | 156.0  | 135.5  | 136.4  |
| 72.5°  | 171.6  | 139.4  | 137.4  | 121.8  | 113.1  |
| 75°    | 140.4  | 117.9  | 117.0  | 106.3  | 91.7   |
| 77.5°  | 110.2  | 93.6   | 95.5   | 85.8   | 67.2   |
| 80°    | 79.0   | 68.2   | 70.2   | 61.4   | 50.7   |
| 82.5°  | 52.6   | 44.9   | 46.8   | 39.0   | 34.1   |
| 85°    | 29.3   | 25.4   | 26.4   | 20.4   | 15.6   |
| 87.5°  | 13.7   | 11.7   | 11.7   | 7.8    | 4.8    |
| 90°    | 39.9   | 25.4   | 23.5   | 16.4   | 9.1    |
| 92.5°  | 246.0  | 175.0  | 159.6  | 97.9   | 36.2   |
| 95°    | 605.3  | 340.9  | 312.7  | 199.8  | 87.0   |
| 97.5°  | 815.3  | 374.4  | 349.5  | 250.0  | 150.5  |
| 100°   | 891.8  | 402.5  | 379.9  | 289.7  | 199.4  |
| 102.5° | 926.8  | 430.6  | 409.6  | 325.4  | 241.2  |
| 105°   | 952.8  | 472.3  | 454.5  | 383.1  | 311.8  |
| 107.5° | 957.6  | 533.9  | 517.3  | 450.9  | 384.4  |
| 110°   | 950.4  | 568.4  | 553.4  | 493.4  | 433.3  |

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**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 950.7  | 610.1  | 595.7  | 538.6  | 481.4  |
| 115°   | 959.4  | 672.7  | 659.5  | 606.7  | 553.9  |
| 117.5° | 977.3  | 733.4  | 721.4  | 673.5  | 625.5  |
| 120°   | 991.8  | 768.8  | 757.6  | 712.4  | 667.3  |
| 122.5° | 1012.6 | 810.5  | 799.1  | 753.6  | 708.0  |
| 125°   | 1040.7 | 864.0  | 853.6  | 812.0  | 770.5  |
| 127.5° | 1068.8 | 915.6  | 905.1  | 863.2  | 821.3  |
| 130°   | 1089.4 | 950.1  | 938.9  | 893.7  | 848.6  |
| 132.5° | 1106.0 | 978.2  | 967.0  | 921.8  | 876.7  |
| 135°   | 1124.1 | 1010.9 | 1000.6 | 959.4  | 918.3  |
| 137.5° | 1151.4 | 1052.5 | 1042.4 | 1001.7 | 961.0  |
| 140°   | 1167.9 | 1080.6 | 1071.2 | 1033.8 | 996.3  |
| 142.5° | 1181.9 | 1101.5 | 1092.8 | 1058.1 | 1023.5 |
| 145°   | 1200.0 | 1133.2 | 1125.7 | 1095.5 | 1065.2 |
| 147.5° | 1226.6 | 1173.1 | 1165.7 | 1136.3 | 1106.9 |
| 150°   | 1240.4 | 1193.9 | 1187.2 | 1160.7 | 1134.1 |
| 152.5° | 1249.5 | 1207.6 | 1202.5 | 1182.4 | 1162.2 |
| 155°   | 1269.5 | 1237.4 | 1233.7 | 1218.8 | 1203.9 |
| 157.5° | 1289.4 | 1267.4 | 1263.8 | 1249.2 | 1234.7 |
| 160°   | 1298.5 | 1280.9 | 1278.1 | 1266.9 | 1255.6 |
| 162.5° | 1308.1 | 1295.5 | 1293.3 | 1284.9 | 1276.5 |
| 165°   | 1322.0 | 1316.3 | 1314.4 | 1306.8 | 1299.1 |
| 167.5° | 1333.0 | 1328.1 | 1327.2 | 1323.6 | 1320.0 |
| 170°   | 1342.0 | 1341.7 | 1340.8 | 1337.1 | 1333.5 |
| 172.5° | 1342.6 | 1342.6 | 1342.5 | 1341.6 | 1340.8 |
| 175°   | 1348.1 | 1350.8 | 1350.8 | 1350.8 | 1350.8 |
| 177.5° | 1348.7 | 1350.8 | 1350.8 | 1350.8 | 1350.8 |
| 180°   | 1350.8 | 1350.8 | 1350.8 | 1350.8 | 1350.8 |

TEST NUMBER: P935899

CATALOG NUMBER: SQ4-FA-150U-050D-B35-1D-UNV-STD-W-6

**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 | 8.03             | 8.69  | 9.19  | 9.84  | 11.44 | 10.85          | 11.52 | 12.01 | 12.66 | 14.27 |
|                 | 3H   | 8.49             | 9.08  | 9.65  | 10.24 | 11.86 | 12.18          | 12.77 | 13.34 | 13.93 | 15.55 |
|                 | 4H   | 8.67             | 9.24  | 9.84  | 10.39 | 12.01 | 12.61          | 13.18 | 13.79 | 14.33 | 15.96 |
|                 | 6H   | 8.78             | 9.30  | 9.96  | 10.45 | 12.09 | 12.89          | 13.41 | 14.07 | 14.56 | 16.20 |
|                 | 8H   | 8.78             | 9.27  | 9.96  | 10.44 | 12.07 | 12.95          | 13.45 | 14.14 | 14.62 | 16.25 |
|                 | 12H  | 8.74             | 9.21  | 9.93  | 10.37 | 12.02 | 12.99          | 13.45 | 14.17 | 14.62 | 16.27 |
| 4H              | 2H   | 9.03             | 9.60  | 10.22 | 10.75 | 12.38 | 11.24          | 11.80 | 12.42 | 12.95 | 14.58 |
|                 | 3H   | 10.04            | 10.51 | 11.23 | 11.69 | 13.33 | 12.72          | 13.19 | 13.91 | 14.37 | 16.01 |
|                 | 4H   | 10.31            | 10.74 | 11.50 | 11.91 | 13.57 | 13.24          | 13.67 | 14.43 | 14.84 | 16.50 |
|                 | 6H   | 10.42            | 10.80 | 11.61 | 11.98 | 13.63 | 13.59          | 13.96 | 14.78 | 15.15 | 16.80 |
|                 | 8H   | 10.43            | 10.77 | 11.61 | 11.95 | 13.61 | 13.69          | 14.04 | 14.88 | 15.22 | 16.88 |
|                 | 12H  | 10.38            | 10.70 | 11.59 | 11.89 | 13.55 | 13.74          | 14.06 | 14.95 | 15.24 | 16.91 |
| 8H              | 4H   | 10.75            | 11.09 | 11.94 | 12.27 | 13.93 | 13.35          | 13.70 | 14.54 | 14.87 | 16.54 |
|                 | 6H   | 11.00            | 11.29 | 12.21 | 12.51 | 14.17 | 13.78          | 14.06 | 14.98 | 15.28 | 16.94 |
|                 | 8H   | 11.04            | 11.29 | 12.25 | 12.49 | 14.17 | 13.93          | 14.17 | 15.14 | 15.37 | 17.05 |
|                 | 12H  | 11.02            | 11.23 | 12.23 | 12.43 | 14.14 | 14.01          | 14.23 | 15.23 | 15.43 | 17.14 |
| 12H             | 4H   | 10.74            | 11.06 | 11.95 | 12.25 | 13.91 | 13.30          | 13.62 | 14.51 | 14.81 | 16.47 |
|                 | 6H   | 11.06            | 11.31 | 12.27 | 12.51 | 14.19 | 13.77          | 14.02 | 14.98 | 15.22 | 16.90 |
|                 | 8H   | 11.12            | 11.33 | 12.33 | 12.53 | 14.24 | 13.92          | 14.14 | 15.14 | 15.34 | 17.05 |