

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: P935888

Luminaire Tested: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-3000K

Issue Date: 12/17/2024

**Test Information**

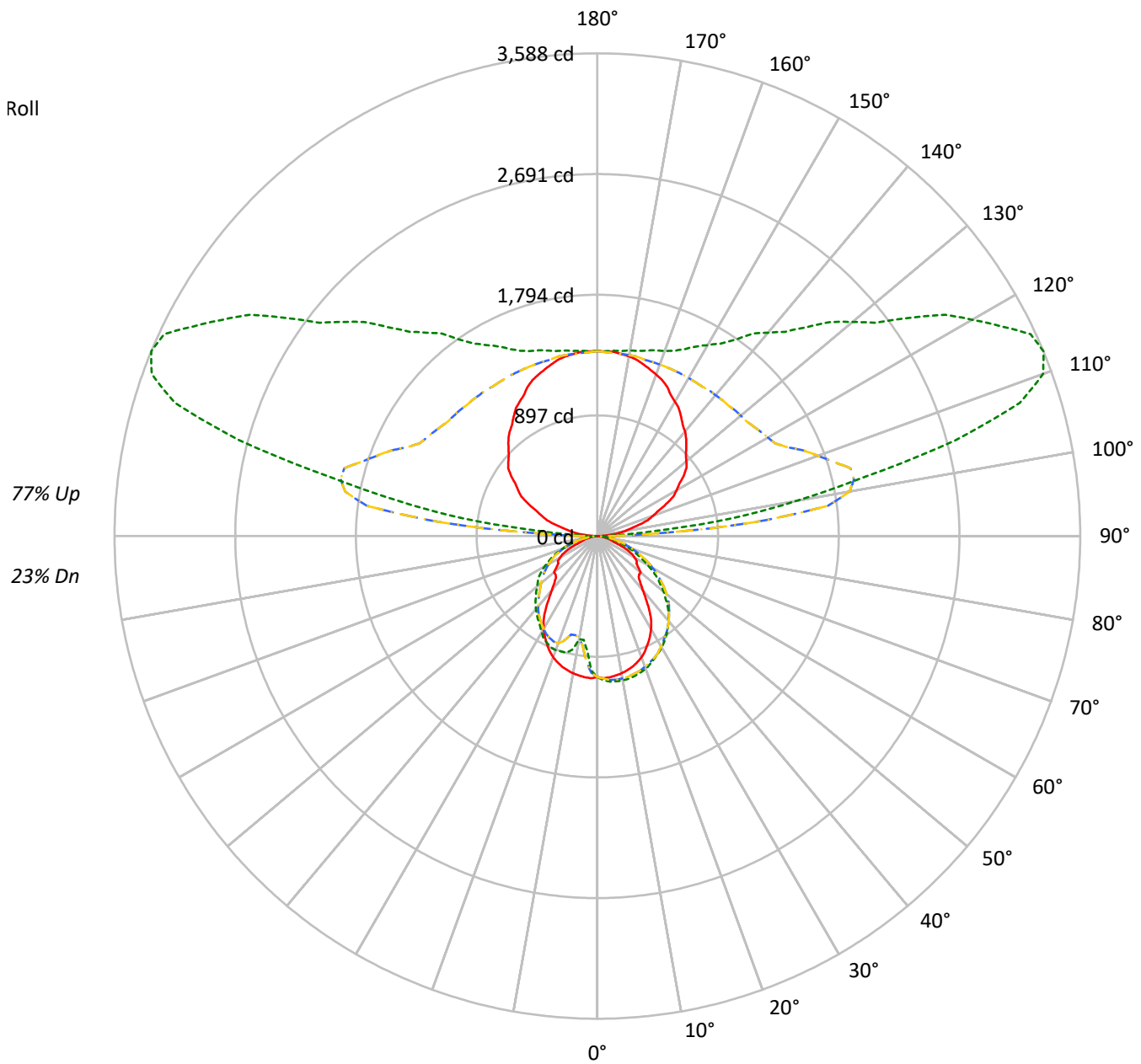
Test Method: LM-79-2019  
Report Number: P935888  
REPORT IS A COMBINATION OF REPORTS P933771 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11633.8 lumens  
Efficiency: N/A  
Efficacy: 139.5 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



— 0°-180°    - - 45°-225°    - - - 90°-270°    - · - 135°-315°



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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    |    |
| RC  | 80  |     |     |     | 70 |    |    |    | 50 |    |    |    | 30 |    |    |    | 10 |    |    | 0  |    |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0  |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 101 | 101 | 101 | 101 | 90 | 90 | 90 | 90 | 69 | 69 | 69 | 49 | 49 | 49 | 32 | 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 | 27 | 20 |
| 2   | 84  | 77  | 71  | 66  | 74 | 68 | 63 | 59 | 52 | 49 | 46 | 38 | 36 | 34 | 25 | 24 | 23 | 23 | 23 | 23 | 17 |
| 3   | 76  | 67  | 60  | 55  | 67 | 60 | 54 | 49 | 46 | 42 | 39 | 34 | 31 | 29 | 22 | 20 | 19 | 19 | 19 | 19 | 14 |
| 4   | 70  | 59  | 52  | 46  | 62 | 53 | 47 | 42 | 41 | 37 | 33 | 30 | 27 | 25 | 19 | 18 | 16 | 16 | 16 | 16 | 12 |
| 5   | 64  | 53  | 45  | 39  | 56 | 47 | 40 | 36 | 36 | 32 | 28 | 27 | 24 | 21 | 17 | 16 | 14 | 14 | 14 | 14 | 10 |
| 6   | 59  | 47  | 39  | 34  | 52 | 42 | 35 | 31 | 33 | 28 | 24 | 24 | 21 | 18 | 16 | 14 | 12 | 12 | 12 | 12 | 9  |
| 7   | 54  | 42  | 35  | 29  | 48 | 38 | 31 | 27 | 30 | 25 | 21 | 22 | 19 | 16 | 14 | 12 | 11 | 11 | 11 | 11 | 8  |
| 8   | 50  | 38  | 31  | 26  | 44 | 34 | 28 | 23 | 27 | 22 | 19 | 20 | 17 | 14 | 13 | 11 | 10 | 10 | 10 | 10 | 7  |
| 9   | 46  | 35  | 28  | 23  | 41 | 31 | 25 | 21 | 24 | 20 | 17 | 18 | 15 | 13 | 12 | 10 | 9  | 9  | 9  | 9  | 6  |
| 10  | 43  | 32  | 25  | 20  | 38 | 28 | 22 | 18 | 22 | 18 | 15 | 17 | 14 | 11 | 11 | 9  | 8  | 8  | 8  | 8  | 6  |

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

|     | 0°   | 90°  | 180° | 270° |
|-----|------|------|------|------|
| 0°  | 6486 | 6486 | 6486 | 6486 |
| 5°  | 6531 | 6547 | 6531 | 5148 |
| 10° | 6486 | 6449 | 6486 | 4611 |
| 15° | 6413 | 6309 | 6413 | 5268 |
| 20° | 6277 | 6144 | 6277 | 5279 |
| 25° | 5999 | 5903 | 5999 | 5167 |
| 30° | 5642 | 5702 | 5642 | 4922 |
| 35° | 5028 | 5449 | 5028 | 4652 |
| 40° | 4187 | 5150 | 4187 | 4448 |
| 45° | 3738 | 4800 | 3738 | 4214 |
| 50° | 3968 | 4384 | 3968 | 3978 |
| 55° | 3730 | 3936 | 3730 | 3842 |
| 60° | 3841 | 3342 | 3841 | 3519 |
| 65° | 3477 | 2763 | 3477 | 3088 |
| 70° | 2401 | 2201 | 2401 | 2589 |
| 75° | 2099 | 1627 | 2099 | 1949 |
| 80° | 1679 | 1075 | 1679 | 1172 |
| 85° | 948  | 569  | 948  | 484  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5734 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 94.6    | 0.8       |
| 10°-20°   | 268.7   | 2.3       |
| 20°-30°   | 415.4   | 3.6       |
| 30°-40°   | 495.9   | 4.3       |
| 40°-50°   | 498.8   | 4.3       |
| 50°-60°   | 434.0   | 3.7       |
| 60°-70°   | 307.7   | 2.6       |
| 70°-80°   | 162.8   | 1.4       |
| 80°-90°   | 45.8    | 0.4       |
| 90°-100°  | 670.0   | 5.8       |
| 100°-110° | 1761.4  | 15.1      |
| 110°-120° | 1826.4  | 15.7      |
| 120°-130° | 1465.0  | 12.6      |
| 130°-140° | 1149.5  | 9.9       |
| 140°-150° | 882.3   | 7.6       |
| 150°-160° | 635.4   | 5.5       |
| 160°-170° | 388.8   | 3.3       |
| 170°-180° | 131.3   | 1.1       |
| 0°-30°    | 778.7   | 6.7       |
| 0°-40°    | 1274.6  | 11.0      |
| 0°-60°    | 2207.3  | 19.0      |
| 0°-90°    | 2723.6  | 23.4      |
| 90°-120°  | 4257.9  | 36.6      |
| 90°-150°  | 7754.7  | 66.7      |
| 90°-180°  | 8910.0  | 76.6      |
| 0°-180°   | 11633.8 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1048 | 1048 | 1048 | 1048 | 1048 |      |
| 5°   | 1053 | 1086 | 1053 | 854  | 1053 | 100  |
| 15°  | 1006 | 1076 | 1006 | 899  | 1006 | 283  |
| 25°  | 886  | 1004 | 886  | 879  | 886  | 407  |
| 35°  | 674  | 896  | 674  | 765  | 674  | 417  |
| 45°  | 434  | 738  | 434  | 648  | 434  | 348  |
| 55°  | 354  | 545  | 354  | 532  | 354  | 325  |
| 65°  | 246  | 328  | 246  | 367  | 246  | 235  |
| 75°  | 93   | 156  | 93   | 186  | 93   | 98   |
| 85°  | 16   | 40   | 16   | 34   | 16   | 21   |
| 90°  | 9    | 35   | 9    | 35   | 9    | 8    |
| 95°  | 88   | 405  | 88   | 405  | 88   | 98   |
| 105° | 317  | 2758 | 317  | 2758 | 317  | 336  |
| 115° | 564  | 3552 | 564  | 3552 | 564  | 557  |
| 125° | 784  | 2828 | 784  | 2828 | 784  | 696  |
| 135° | 934  | 2194 | 934  | 2194 | 934  | 723  |
| 145° | 1084 | 1780 | 1084 | 1780 | 1084 | 679  |
| 155° | 1225 | 1533 | 1225 | 1533 | 1225 | 563  |
| 165° | 1322 | 1428 | 1322 | 1428 | 1322 | 373  |
| 175° | 1374 | 1384 | 1374 | 1384 | 1374 | 130  |
| 180° | 1374 | 1374 | 1374 | 1374 | 1374 |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 |
| 2.5°   | 1057.4 | 1057.4 | 1063.3 | 1065.3 | 1065.3 | 1062.3 | 1059.4 | 1062.3 | 1071.3 | 1074.2 | 1073.3 |
| 5°     | 1053.3 | 1061.3 | 1072.3 | 1074.2 | 1076.2 | 1075.2 | 1073.3 | 1075.2 | 1085.1 | 1087.2 | 1088.1 |
| 7.5°   | 1045.5 | 1060.3 | 1074.2 | 1077.2 | 1080.2 | 1077.2 | 1076.2 | 1078.2 | 1088.1 | 1090.1 | 1090.1 |
| 10°    | 1035.5 | 1056.4 | 1072.3 | 1074.2 | 1077.2 | 1074.2 | 1074.2 | 1078.2 | 1088.1 | 1090.1 | 1091.1 |
| 12.5°  | 1021.7 | 1050.4 | 1065.3 | 1067.2 | 1071.3 | 1070.3 | 1069.2 | 1073.3 | 1083.1 | 1085.1 | 1085.1 |
| 15°    | 1005.8 | 1039.5 | 1053.3 | 1055.4 | 1062.3 | 1060.3 | 1060.3 | 1064.3 | 1075.2 | 1078.2 | 1077.2 |
| 17.5°  | 983.9  | 1025.6 | 1041.5 | 1044.5 | 1049.4 | 1048.4 | 1049.4 | 1053.3 | 1063.3 | 1065.3 | 1066.3 |
| 20°    | 959.2  | 1006.8 | 1025.6 | 1028.6 | 1033.5 | 1033.5 | 1033.5 | 1038.6 | 1048.4 | 1052.4 | 1052.4 |
| 22.5°  | 925.5  | 986.9  | 1006.8 | 1008.8 | 1014.7 | 1014.7 | 1016.7 | 1023.7 | 1032.5 | 1033.5 | 1033.5 |
| 25°    | 885.7  | 965.1  | 982.0  | 988.0  | 993.9  | 996.8  | 999.8  | 1003.8 | 1006.8 | 1005.8 | 1006.8 |
| 27.5°  | 844.1  | 937.3  | 959.2  | 963.1  | 971.1  | 974.1  | 978.0  | 979.0  | 980.0  | 982.9  | 981.0  |
| 30°    | 797.5  | 898.6  | 931.4  | 935.3  | 948.2  | 950.2  | 946.3  | 948.2  | 953.2  | 955.2  | 957.2  |
| 32.5°  | 744.9  | 841.2  | 902.6  | 911.6  | 923.5  | 917.5  | 916.5  | 919.4  | 927.4  | 927.4  | 929.4  |
| 35°    | 673.5  | 796.5  | 875.9  | 883.8  | 892.7  | 885.7  | 889.8  | 890.8  | 895.7  | 898.6  | 897.7  |
| 37.5°  | 595.1  | 757.8  | 848.1  | 854.0  | 861.0  | 852.0  | 858.0  | 861.0  | 864.9  | 862.9  | 862.9  |
| 40°    | 525.7  | 697.3  | 815.3  | 819.3  | 825.3  | 818.3  | 824.3  | 826.3  | 828.2  | 826.3  | 825.3  |
| 42.5°  | 474.2  | 630.8  | 780.6  | 785.5  | 781.6  | 786.5  | 788.6  | 792.5  | 789.6  | 785.5  | 785.5  |
| 45°    | 434.4  | 613.0  | 743.0  | 748.9  | 743.0  | 750.8  | 753.8  | 753.8  | 744.9  | 743.0  | 742.0  |
| 47.5°  | 421.5  | 577.3  | 705.3  | 705.3  | 702.2  | 712.2  | 717.1  | 710.2  | 701.2  | 698.3  | 698.3  |
| 50°    | 420.5  | 537.6  | 653.6  | 649.7  | 663.6  | 675.5  | 670.5  | 663.6  | 656.7  | 645.7  | 645.7  |
| 52.5°  | 381.9  | 489.0  | 587.2  | 602.1  | 623.9  | 630.8  | 623.0  | 616.0  | 604.0  | 599.1  | 595.1  |
| 55°    | 354.1  | 438.4  | 526.7  | 556.5  | 579.3  | 588.1  | 573.4  | 566.4  | 548.5  | 545.6  | 543.6  |
| 57.5°  | 348.2  | 365.0  | 471.1  | 508.9  | 536.6  | 535.6  | 526.7  | 513.8  | 498.9  | 496.0  | 495.0  |
| 60°    | 319.4  | 263.9  | 411.7  | 456.3  | 485.0  | 482.1  | 474.2  | 462.2  | 448.3  | 446.4  | 444.4  |
| 62.5°  | 289.6  | 191.5  | 344.2  | 394.8  | 435.4  | 434.4  | 427.5  | 409.7  | 399.7  | 394.8  | 390.9  |
| 65°    | 246.0  | 160.7  | 245.0  | 328.3  | 386.8  | 388.8  | 374.0  | 361.1  | 350.1  | 344.2  | 343.2  |
| 67.5°  | 187.4  | 130.9  | 165.6  | 273.8  | 340.3  | 338.2  | 319.4  | 313.4  | 299.5  | 296.6  | 290.7  |
| 70°    | 138.8  | 87.3   | 115.1  | 222.1  | 294.6  | 289.6  | 274.8  | 267.8  | 254.9  | 248.0  | 244.0  |
| 72.5°  | 115.1  | 70.4   | 84.3   | 172.6  | 248.0  | 242.1  | 229.1  | 221.2  | 210.3  | 204.3  | 200.4  |
| 75°    | 93.3   | 74.3   | 64.5   | 128.0  | 201.3  | 197.4  | 185.5  | 177.6  | 168.6  | 160.7  | 161.7  |
| 77.5°  | 68.4   | 69.4   | 51.6   | 94.3   | 159.7  | 153.7  | 146.8  | 136.9  | 132.9  | 125.0  | 125.0  |
| 80°    | 51.6   | 54.5   | 38.7   | 64.5   | 115.1  | 115.1  | 109.2  | 102.1  | 95.2   | 91.3   | 91.3   |
| 82.5°  | 34.7   | 34.7   | 28.8   | 40.6   | 78.4   | 75.4   | 71.4   | 69.4   | 65.5   | 63.5   | 63.5   |
| 85°    | 15.9   | 19.8   | 17.8   | 24.7   | 42.7   | 44.7   | 44.7   | 42.7   | 41.7   | 39.6   | 40.6   |
| 87.5°  | 4.9    | 9.0    | 10.9   | 13.9   | 21.8   | 22.8   | 23.8   | 23.8   | 23.8   | 24.7   | 24.7   |
| 90°    | 9.3    | 16.7   | 24.0   | 25.8   | 40.6   | 60.2   | 70.1   | 62.3   | 46.7   | 35.1   | 35.1   |
| 92.5°  | 36.9   | 99.6   | 162.4  | 178.1  | 250.3  | 346.7  | 394.8  | 346.0  | 248.5  | 175.3  | 168.3  |
| 95°    | 88.5   | 203.3  | 318.2  | 346.9  | 616.0  | 974.7  | 1154.0 | 1029.8 | 781.3  | 595.0  | 573.9  |
| 97.5°  | 153.1  | 254.4  | 355.7  | 381.0  | 829.6  | 1427.8 | 1726.9 | 1648.4 | 1491.3 | 1373.6 | 1333.4 |
| 100°   | 202.9  | 294.8  | 386.6  | 409.6  | 907.4  | 1571.2 | 1903.1 | 1908.8 | 1920.3 | 1928.9 | 1881.1 |
| 102.5° | 245.4  | 331.1  | 416.8  | 438.2  | 943.1  | 1616.3 | 1952.9 | 2052.9 | 2252.9 | 2403.0 | 2362.0 |
| 105°   | 317.3  | 389.9  | 462.4  | 480.6  | 969.5  | 1621.4 | 1947.4 | 2171.6 | 2620.1 | 2956.5 | 2934.4 |
| 107.5° | 391.1  | 458.8  | 526.4  | 543.3  | 974.4  | 1549.2 | 1836.6 | 2149.5 | 2775.1 | 3244.3 | 3249.7 |
| 110°   | 440.9  | 502.1  | 563.1  | 578.4  | 967.1  | 1485.2 | 1744.3 | 2094.1 | 2793.5 | 3318.1 | 3341.1 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 489.8  | 548.0  | 606.2  | 620.8  | 967.4  | 1429.4 | 1660.4 | 2018.3 | 2734.2 | 3271.1 | 3306.4 |
| 115°   | 563.6  | 617.3  | 671.1  | 684.5  | 976.2  | 1365.3 | 1559.9 | 1904.7 | 2594.3 | 3111.4 | 3160.3 |
| 117.5° | 636.5  | 685.3  | 734.1  | 746.3  | 994.5  | 1325.3 | 1490.7 | 1801.9 | 2424.2 | 2891.0 | 2945.2 |
| 120°   | 679.0  | 724.9  | 770.9  | 782.3  | 1009.2 | 1311.8 | 1463.0 | 1747.4 | 2316.0 | 2742.5 | 2795.1 |
| 122.5° | 720.5  | 766.8  | 813.2  | 824.7  | 1030.4 | 1304.7 | 1441.8 | 1697.9 | 2209.9 | 2594.0 | 2645.9 |
| 125°   | 784.1  | 826.3  | 868.6  | 879.1  | 1059.0 | 1298.9 | 1418.8 | 1636.3 | 2071.2 | 2397.5 | 2445.3 |
| 127.5° | 835.7  | 878.3  | 921.0  | 931.7  | 1087.6 | 1295.4 | 1399.3 | 1586.1 | 1959.6 | 2239.7 | 2280.1 |
| 130°   | 863.4  | 909.4  | 955.3  | 966.8  | 1108.6 | 1297.6 | 1392.0 | 1558.3 | 1890.8 | 2140.1 | 2177.4 |
| 132.5° | 892.0  | 938.0  | 983.9  | 995.4  | 1125.4 | 1298.9 | 1385.5 | 1534.3 | 1832.0 | 2055.2 | 2088.6 |
| 135°   | 934.4  | 976.2  | 1018.1 | 1028.6 | 1143.9 | 1297.6 | 1374.5 | 1499.1 | 1748.4 | 1935.3 | 1964.1 |
| 137.5° | 977.8  | 1019.2 | 1060.6 | 1071.0 | 1171.6 | 1305.6 | 1372.6 | 1478.0 | 1688.7 | 1846.8 | 1870.3 |
| 140°   | 1013.8 | 1052.0 | 1090.0 | 1099.6 | 1188.4 | 1306.9 | 1366.2 | 1457.2 | 1639.2 | 1775.8 | 1797.8 |
| 142.5° | 1041.4 | 1076.7 | 1112.0 | 1120.8 | 1202.6 | 1311.7 | 1366.2 | 1446.2 | 1606.0 | 1725.9 | 1744.8 |
| 145°   | 1083.9 | 1114.7 | 1145.4 | 1153.1 | 1221.1 | 1311.7 | 1356.9 | 1422.3 | 1553.1 | 1651.3 | 1665.6 |
| 147.5° | 1126.3 | 1156.3 | 1186.2 | 1193.7 | 1248.1 | 1320.6 | 1356.9 | 1408.4 | 1511.2 | 1588.4 | 1600.4 |
| 150°   | 1154.0 | 1181.0 | 1208.0 | 1214.9 | 1262.2 | 1325.4 | 1356.9 | 1400.4 | 1487.3 | 1552.5 | 1562.1 |
| 152.5° | 1182.6 | 1203.1 | 1223.6 | 1228.8 | 1271.4 | 1328.4 | 1356.9 | 1394.0 | 1468.3 | 1523.9 | 1531.2 |
| 155°   | 1225.0 | 1240.2 | 1255.4 | 1259.1 | 1291.8 | 1335.2 | 1356.9 | 1386.4 | 1445.5 | 1489.7 | 1494.6 |
| 157.5° | 1256.4 | 1271.2 | 1285.9 | 1289.6 | 1312.1 | 1341.9 | 1356.9 | 1379.9 | 1425.9 | 1460.3 | 1463.6 |
| 160°   | 1277.7 | 1289.1 | 1300.5 | 1303.4 | 1321.2 | 1345.0 | 1356.9 | 1376.7 | 1416.0 | 1445.5 | 1447.4 |
| 162.5° | 1298.9 | 1307.4 | 1316.0 | 1318.2 | 1331.1 | 1348.4 | 1356.9 | 1373.5 | 1406.7 | 1431.7 | 1433.5 |
| 165°   | 1321.9 | 1329.7 | 1337.4 | 1339.4 | 1345.2 | 1353.0 | 1356.9 | 1368.9 | 1392.6 | 1410.5 | 1412.4 |
| 167.5° | 1343.1 | 1346.8 | 1350.5 | 1351.4 | 1356.3 | 1362.9 | 1366.2 | 1374.0 | 1389.6 | 1401.2 | 1402.0 |
| 170°   | 1356.9 | 1360.6 | 1364.3 | 1365.2 | 1365.5 | 1366.0 | 1366.2 | 1374.0 | 1389.6 | 1401.2 | 1401.2 |
| 172.5° | 1364.3 | 1365.1 | 1366.0 | 1366.2 | 1366.2 | 1366.2 | 1366.2 | 1372.3 | 1384.6 | 1393.8 | 1393.1 |
| 175°   | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1371.7 | 1368.1 | 1366.2 | 1370.0 | 1377.8 | 1383.7 | 1383.7 |
| 177.5° | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1372.3 | 1369.5 | 1368.0 | 1371.0 | 1377.2 | 1381.9 | 1381.1 |
| 180°   | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 |



TEST NUMBER: P935888

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 |
| 2.5°   | 1075.2 | 1072.3 | 1075.2 | 1073.3 | 1074.2 | 1071.3 | 1062.3 | 1059.4 | 1062.3 | 1065.3 | 1065.3 |
| 5°     | 1088.1 | 1086.1 | 1088.1 | 1088.1 | 1087.2 | 1085.1 | 1075.2 | 1073.3 | 1075.2 | 1076.2 | 1074.2 |
| 7.5°   | 1092.1 | 1089.1 | 1092.1 | 1090.1 | 1090.1 | 1088.1 | 1078.2 | 1076.2 | 1077.2 | 1080.2 | 1077.2 |
| 10°    | 1092.1 | 1089.1 | 1092.1 | 1091.1 | 1090.1 | 1088.1 | 1078.2 | 1074.2 | 1074.2 | 1077.2 | 1074.2 |
| 12.5°  | 1087.2 | 1085.1 | 1087.2 | 1085.1 | 1085.1 | 1083.1 | 1073.3 | 1069.2 | 1070.3 | 1071.3 | 1067.2 |
| 15°    | 1079.2 | 1076.2 | 1079.2 | 1077.2 | 1078.2 | 1075.2 | 1064.3 | 1060.3 | 1060.3 | 1062.3 | 1055.4 |
| 17.5°  | 1067.2 | 1063.3 | 1067.2 | 1066.3 | 1065.3 | 1063.3 | 1053.3 | 1049.4 | 1048.4 | 1049.4 | 1044.5 |
| 20°    | 1053.3 | 1050.4 | 1053.3 | 1052.4 | 1052.4 | 1048.4 | 1038.6 | 1033.5 | 1033.5 | 1033.5 | 1028.6 |
| 22.5°  | 1031.6 | 1028.6 | 1031.6 | 1033.5 | 1033.5 | 1032.5 | 1023.7 | 1016.7 | 1014.7 | 1014.7 | 1008.8 |
| 25°    | 1006.8 | 1003.8 | 1006.8 | 1006.8 | 1005.8 | 1006.8 | 1003.8 | 999.8  | 996.8  | 993.9  | 988.0  |
| 27.5°  | 982.9  | 981.0  | 982.9  | 981.0  | 982.9  | 980.0  | 979.0  | 978.0  | 974.1  | 971.1  | 963.1  |
| 30°    | 959.2  | 957.2  | 959.2  | 957.2  | 955.2  | 953.2  | 948.2  | 946.3  | 950.2  | 948.2  | 935.3  |
| 32.5°  | 929.4  | 927.4  | 929.4  | 929.4  | 927.4  | 927.4  | 919.4  | 916.5  | 917.5  | 923.5  | 911.6  |
| 35°    | 898.6  | 895.7  | 898.6  | 897.7  | 898.6  | 895.7  | 890.8  | 889.8  | 885.7  | 892.7  | 883.8  |
| 37.5°  | 862.9  | 860.0  | 862.9  | 862.9  | 862.9  | 864.9  | 861.0  | 858.0  | 852.0  | 861.0  | 854.0  |
| 40°    | 826.3  | 822.3  | 826.3  | 825.3  | 826.3  | 828.2  | 826.3  | 824.3  | 818.3  | 825.3  | 819.3  |
| 42.5°  | 784.6  | 783.6  | 784.6  | 785.5  | 785.5  | 789.6  | 792.5  | 788.6  | 786.5  | 781.6  | 785.5  |
| 45°    | 740.0  | 737.9  | 740.0  | 742.0  | 743.0  | 744.9  | 753.8  | 753.8  | 750.8  | 743.0  | 748.9  |
| 47.5°  | 692.4  | 687.3  | 692.4  | 698.3  | 698.3  | 701.2  | 710.2  | 717.1  | 712.2  | 702.2  | 705.3  |
| 50°    | 641.8  | 642.8  | 641.8  | 645.7  | 645.7  | 656.7  | 663.6  | 670.5  | 675.5  | 663.6  | 649.7  |
| 52.5°  | 592.2  | 591.2  | 592.2  | 595.1  | 599.1  | 604.0  | 616.0  | 623.0  | 630.8  | 623.9  | 602.1  |
| 55°    | 542.6  | 544.6  | 542.6  | 543.6  | 545.6  | 548.5  | 566.4  | 573.4  | 588.1  | 579.3  | 556.5  |
| 57.5°  | 493.0  | 490.0  | 493.0  | 495.0  | 496.0  | 498.9  | 513.8  | 526.7  | 535.6  | 536.6  | 508.9  |
| 60°    | 435.4  | 431.5  | 435.4  | 444.4  | 446.4  | 448.3  | 462.2  | 474.2  | 482.1  | 485.0  | 456.3  |
| 62.5°  | 384.8  | 377.9  | 384.8  | 390.9  | 394.8  | 399.7  | 409.7  | 427.5  | 434.4  | 435.4  | 394.8  |
| 65°    | 331.3  | 328.3  | 331.3  | 343.2  | 344.2  | 350.1  | 361.1  | 374.0  | 388.8  | 386.8  | 328.3  |
| 67.5°  | 282.7  | 282.7  | 282.7  | 290.7  | 296.6  | 299.5  | 313.4  | 319.4  | 338.2  | 340.3  | 273.8  |
| 70°    | 238.0  | 237.0  | 238.0  | 244.0  | 248.0  | 254.9  | 267.8  | 274.8  | 289.6  | 294.6  | 222.1  |
| 72.5°  | 195.4  | 194.4  | 195.4  | 200.4  | 204.3  | 210.3  | 221.2  | 229.1  | 242.1  | 248.0  | 172.6  |
| 75°    | 157.8  | 155.7  | 157.8  | 161.7  | 160.7  | 168.6  | 177.6  | 185.5  | 197.4  | 201.3  | 128.0  |
| 77.5°  | 121.0  | 121.0  | 121.0  | 125.0  | 125.0  | 132.9  | 136.9  | 146.8  | 153.7  | 159.7  | 94.3   |
| 80°    | 90.2   | 89.2   | 90.2   | 91.3   | 91.3   | 95.2   | 102.1  | 109.2  | 115.1  | 115.1  | 64.5   |
| 82.5°  | 63.5   | 61.5   | 63.5   | 63.5   | 63.5   | 65.5   | 69.4   | 71.4   | 75.4   | 78.4   | 40.6   |
| 85°    | 39.6   | 39.6   | 39.6   | 40.6   | 39.6   | 41.7   | 42.7   | 44.7   | 44.7   | 42.7   | 24.7   |
| 87.5°  | 25.8   | 24.7   | 25.8   | 24.7   | 24.7   | 23.8   | 23.8   | 23.8   | 22.8   | 21.8   | 13.9   |
| 90°    | 35.1   | 35.1   | 35.1   | 35.1   | 35.1   | 46.7   | 62.3   | 70.1   | 60.2   | 40.6   | 25.8   |
| 92.5°  | 140.4  | 112.5  | 140.4  | 168.3  | 175.3  | 248.5  | 346.0  | 394.8  | 346.7  | 250.3  | 178.1  |
| 95°    | 489.4  | 405.0  | 489.4  | 573.9  | 595.0  | 781.3  | 1029.8 | 1154.0 | 974.7  | 616.0  | 346.9  |
| 97.5°  | 1172.6 | 1011.9 | 1172.6 | 1333.4 | 1373.6 | 1491.3 | 1648.4 | 1726.9 | 1427.8 | 829.6  | 381.0  |
| 100°   | 1689.6 | 1498.1 | 1689.6 | 1881.1 | 1928.9 | 1920.3 | 1908.8 | 1903.1 | 1571.2 | 907.4  | 409.6  |
| 102.5° | 2198.0 | 2034.0 | 2198.0 | 2362.0 | 2403.0 | 2252.9 | 2052.9 | 1952.9 | 1616.3 | 943.1  | 438.2  |
| 105°   | 2846.3 | 2758.1 | 2846.3 | 2934.4 | 2956.5 | 2620.1 | 2171.6 | 1947.4 | 1621.4 | 969.5  | 480.6  |
| 107.5° | 3271.0 | 3292.3 | 3271.0 | 3249.7 | 3244.3 | 2775.1 | 2149.5 | 1836.6 | 1549.2 | 974.4  | 543.3  |
| 110°   | 3432.9 | 3524.8 | 3432.9 | 3341.1 | 3318.1 | 2793.5 | 2094.1 | 1744.3 | 1485.2 | 967.1  | 578.4  |





TEST NUMBER: P935888

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 3447.4 | 3588.3 | 3447.4 | 3306.4 | 3271.1 | 2734.2 | 2018.3 | 1660.4 | 1429.4 | 967.4  | 620.8  |
| 115°   | 3355.9 | 3551.5 | 3355.9 | 3160.3 | 3111.4 | 2594.3 | 1904.7 | 1559.9 | 1365.3 | 976.2  | 684.5  |
| 117.5° | 3162.1 | 3379.0 | 3162.1 | 2945.2 | 2891.0 | 2424.2 | 1801.9 | 1490.7 | 1325.3 | 994.5  | 746.3  |
| 120°   | 3005.9 | 3216.6 | 3005.9 | 2795.1 | 2742.5 | 2316.0 | 1747.4 | 1463.0 | 1311.8 | 1009.2 | 782.3  |
| 122.5° | 2853.8 | 3061.6 | 2853.8 | 2645.9 | 2594.0 | 2209.9 | 1697.9 | 1441.8 | 1304.7 | 1030.4 | 824.7  |
| 125°   | 2636.8 | 2828.2 | 2636.8 | 2445.3 | 2397.5 | 2071.2 | 1636.3 | 1418.8 | 1298.9 | 1059.0 | 879.1  |
| 127.5° | 2441.6 | 2603.2 | 2441.6 | 2280.1 | 2239.7 | 1959.6 | 1586.1 | 1399.3 | 1295.4 | 1087.6 | 931.7  |
| 130°   | 2326.7 | 2475.8 | 2326.7 | 2177.4 | 2140.1 | 1890.8 | 1558.3 | 1392.0 | 1297.6 | 1108.6 | 966.8  |
| 132.5° | 2222.2 | 2355.9 | 2222.2 | 2088.6 | 2055.2 | 1832.0 | 1534.3 | 1385.5 | 1298.9 | 1125.4 | 995.4  |
| 135°   | 2079.4 | 2194.5 | 2079.4 | 1964.1 | 1935.3 | 1748.4 | 1499.1 | 1374.5 | 1297.6 | 1143.9 | 1028.6 |
| 137.5° | 1964.7 | 2059.0 | 1964.7 | 1870.3 | 1846.8 | 1688.7 | 1478.0 | 1372.6 | 1305.6 | 1171.6 | 1071.0 |
| 140°   | 1885.9 | 1974.1 | 1885.9 | 1797.8 | 1775.8 | 1639.2 | 1457.2 | 1366.2 | 1306.9 | 1188.4 | 1099.6 |
| 142.5° | 1820.7 | 1896.6 | 1820.7 | 1744.8 | 1725.9 | 1606.0 | 1446.2 | 1366.2 | 1311.7 | 1202.6 | 1120.8 |
| 145°   | 1722.9 | 1780.3 | 1722.9 | 1665.6 | 1651.3 | 1553.1 | 1422.3 | 1356.9 | 1311.7 | 1221.1 | 1153.1 |
| 147.5° | 1647.9 | 1695.5 | 1647.9 | 1600.4 | 1588.4 | 1511.2 | 1408.4 | 1356.9 | 1320.6 | 1248.1 | 1193.7 |
| 150°   | 1600.7 | 1639.2 | 1600.7 | 1562.1 | 1552.5 | 1487.3 | 1400.4 | 1356.9 | 1325.4 | 1262.2 | 1214.9 |
| 152.5° | 1560.2 | 1589.4 | 1560.2 | 1531.2 | 1523.9 | 1468.3 | 1394.0 | 1356.9 | 1328.4 | 1271.4 | 1228.8 |
| 155°   | 1513.8 | 1533.1 | 1513.8 | 1494.6 | 1489.7 | 1445.5 | 1386.4 | 1356.9 | 1335.2 | 1291.8 | 1259.1 |
| 157.5° | 1477.2 | 1490.7 | 1477.2 | 1463.6 | 1460.3 | 1425.9 | 1379.9 | 1356.9 | 1341.9 | 1312.1 | 1289.6 |
| 160°   | 1455.2 | 1463.0 | 1455.2 | 1447.4 | 1445.5 | 1416.0 | 1376.7 | 1356.9 | 1345.0 | 1321.2 | 1303.4 |
| 162.5° | 1440.8 | 1448.2 | 1440.8 | 1433.5 | 1431.7 | 1406.7 | 1373.5 | 1356.9 | 1348.4 | 1331.1 | 1318.2 |
| 165°   | 1420.1 | 1427.9 | 1420.1 | 1412.4 | 1410.5 | 1392.6 | 1368.9 | 1356.9 | 1353.0 | 1345.2 | 1339.4 |
| 167.5° | 1405.3 | 1408.6 | 1405.3 | 1402.0 | 1401.2 | 1389.6 | 1374.0 | 1366.2 | 1362.9 | 1356.3 | 1351.4 |
| 170°   | 1401.2 | 1401.2 | 1401.2 | 1401.2 | 1401.2 | 1389.6 | 1374.0 | 1366.2 | 1366.0 | 1365.5 | 1365.2 |
| 172.5° | 1390.3 | 1387.4 | 1390.3 | 1393.1 | 1393.8 | 1384.6 | 1372.3 | 1366.2 | 1366.2 | 1366.2 | 1366.2 |
| 175°   | 1383.7 | 1383.7 | 1383.7 | 1383.7 | 1383.7 | 1377.8 | 1370.0 | 1366.2 | 1368.1 | 1371.7 | 1374.5 |
| 177.5° | 1377.7 | 1374.5 | 1377.7 | 1381.1 | 1381.9 | 1377.2 | 1371.0 | 1368.0 | 1369.5 | 1372.3 | 1374.5 |
| 180°   | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 |



TEST NUMBER: P935888

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 |
| 2.5°   | 1063.3 | 1057.4 | 1057.4 | 1047.4 | 1043.5 | 1040.5 | 1035.5 | 1020.7 | 1016.7 | 1012.7 | 1018.6 |
| 5°     | 1072.3 | 1061.3 | 1053.3 | 1035.5 | 1020.7 | 1014.7 | 995.9  | 960.2  | 936.3  | 918.5  | 908.6  |
| 7.5°   | 1074.2 | 1060.3 | 1045.5 | 1017.7 | 982.0  | 966.1  | 908.6  | 843.1  | 825.3  | 809.4  | 799.4  |
| 10°    | 1072.3 | 1056.4 | 1035.5 | 993.9  | 909.6  | 881.8  | 824.3  | 781.6  | 770.7  | 767.7  | 770.7  |
| 12.5°  | 1065.3 | 1050.4 | 1021.7 | 952.2  | 834.2  | 815.3  | 781.6  | 756.9  | 754.8  | 759.8  | 786.5  |
| 15°    | 1053.3 | 1039.5 | 1005.8 | 896.7  | 792.5  | 778.6  | 754.8  | 745.9  | 756.9  | 791.6  | 871.9  |
| 17.5°  | 1041.5 | 1025.6 | 983.9  | 842.1  | 760.8  | 750.8  | 734.0  | 751.8  | 813.4  | 860.0  | 886.7  |
| 20°    | 1025.6 | 1006.8 | 959.2  | 802.4  | 737.9  | 729.0  | 721.1  | 801.4  | 848.1  | 864.9  | 879.8  |
| 22.5°  | 1006.8 | 986.9  | 925.5  | 774.7  | 714.2  | 707.3  | 712.2  | 829.2  | 848.1  | 860.0  | 872.9  |
| 25°    | 982.0  | 965.1  | 885.7  | 752.8  | 695.3  | 687.3  | 706.3  | 826.3  | 837.1  | 840.2  | 865.9  |
| 27.5°  | 959.2  | 937.3  | 844.1  | 733.0  | 672.6  | 669.5  | 711.2  | 813.4  | 821.3  | 824.3  | 852.0  |
| 30°    | 931.4  | 898.6  | 797.5  | 712.2  | 648.7  | 647.7  | 712.2  | 797.5  | 795.5  | 803.4  | 831.2  |
| 32.5°  | 902.6  | 841.2  | 744.9  | 686.4  | 625.9  | 624.9  | 705.3  | 773.7  | 771.7  | 782.6  | 803.4  |
| 35°    | 875.9  | 796.5  | 673.5  | 656.7  | 597.1  | 598.1  | 688.3  | 745.9  | 746.9  | 756.9  | 769.7  |
| 37.5°  | 848.1  | 757.8  | 595.1  | 623.9  | 569.3  | 569.3  | 665.6  | 720.1  | 718.1  | 721.1  | 739.0  |
| 40°    | 815.3  | 697.3  | 525.7  | 581.2  | 543.6  | 540.6  | 637.7  | 692.4  | 685.4  | 684.4  | 709.2  |
| 42.5°  | 780.6  | 630.8  | 474.2  | 524.7  | 513.8  | 509.9  | 604.0  | 658.6  | 645.7  | 648.7  | 680.4  |
| 45°    | 743.0  | 613.0  | 434.4  | 443.4  | 483.0  | 480.1  | 567.3  | 619.9  | 611.0  | 618.9  | 651.6  |
| 47.5°  | 705.3  | 577.3  | 421.5  | 368.0  | 450.3  | 449.3  | 526.7  | 582.2  | 577.3  | 585.2  | 619.9  |
| 50°    | 653.6  | 537.6  | 420.5  | 315.4  | 413.6  | 417.6  | 478.1  | 545.6  | 545.6  | 552.5  | 589.2  |
| 52.5°  | 587.2  | 489.0  | 381.9  | 285.6  | 370.9  | 382.9  | 435.4  | 513.8  | 515.8  | 522.8  | 555.4  |
| 55°    | 526.7  | 438.4  | 354.1  | 262.9  | 320.4  | 346.2  | 393.8  | 481.1  | 485.0  | 492.0  | 521.7  |
| 57.5°  | 471.1  | 365.0  | 348.2  | 236.0  | 273.8  | 298.6  | 357.1  | 449.3  | 451.3  | 457.3  | 486.0  |
| 60°    | 411.7  | 263.9  | 319.4  | 207.3  | 233.1  | 251.9  | 323.3  | 411.7  | 418.6  | 422.5  | 447.3  |
| 62.5°  | 344.2  | 191.5  | 289.6  | 187.4  | 213.3  | 217.2  | 295.6  | 376.0  | 384.8  | 387.8  | 402.7  |
| 65°    | 245.0  | 160.7  | 246.0  | 170.6  | 192.5  | 193.5  | 265.8  | 339.2  | 347.2  | 352.1  | 363.0  |
| 67.5°  | 165.6  | 130.9  | 187.4  | 154.7  | 176.6  | 177.6  | 237.0  | 296.6  | 307.5  | 311.5  | 318.4  |
| 70°    | 115.1  | 87.3   | 138.8  | 137.8  | 158.7  | 160.7  | 206.3  | 257.9  | 267.8  | 270.8  | 274.8  |
| 72.5°  | 84.3   | 70.4   | 115.1  | 123.9  | 139.8  | 141.9  | 174.6  | 214.3  | 224.2  | 227.2  | 229.1  |
| 75°    | 64.5   | 74.3   | 93.3   | 108.2  | 119.0  | 120.0  | 142.9  | 174.6  | 181.5  | 183.5  | 184.5  |
| 77.5°  | 51.6   | 69.4   | 68.4   | 87.3   | 97.2   | 95.2   | 112.1  | 134.9  | 140.8  | 140.8  | 140.8  |
| 80°    | 38.7   | 54.5   | 51.6   | 62.5   | 71.4   | 69.4   | 80.4   | 96.2   | 98.2   | 100.2  | 99.2   |
| 82.5°  | 28.8   | 34.7   | 34.7   | 39.6   | 47.6   | 45.7   | 53.5   | 62.5   | 62.5   | 62.5   | 64.5   |
| 85°    | 17.8   | 19.8   | 15.9   | 20.8   | 26.8   | 25.8   | 29.8   | 33.7   | 34.7   | 34.7   | 32.7   |
| 87.5°  | 10.9   | 9.0    | 4.9    | 7.9    | 11.9   | 11.9   | 13.9   | 14.9   | 13.9   | 13.9   | 13.9   |
| 90°    | 24.0   | 16.7   | 9.3    | 16.7   | 24.0   | 25.8   | 40.6   | 60.2   | 70.1   | 62.3   | 46.7   |
| 92.5°  | 162.4  | 99.6   | 36.9   | 99.6   | 162.4  | 178.1  | 250.3  | 346.7  | 394.8  | 346.0  | 248.5  |
| 95°    | 318.2  | 203.3  | 88.5   | 203.3  | 318.2  | 346.9  | 616.0  | 974.7  | 1154.0 | 1029.8 | 781.3  |
| 97.5°  | 355.7  | 254.4  | 153.1  | 254.4  | 355.7  | 381.0  | 829.6  | 1427.8 | 1726.9 | 1648.4 | 1491.3 |
| 100°   | 386.6  | 294.8  | 202.9  | 294.8  | 386.6  | 409.6  | 907.4  | 1571.2 | 1903.1 | 1908.8 | 1920.3 |
| 102.5° | 416.8  | 331.1  | 245.4  | 331.1  | 416.8  | 438.2  | 943.1  | 1616.3 | 1952.9 | 2052.9 | 2252.9 |
| 105°   | 462.4  | 389.9  | 317.3  | 389.9  | 462.4  | 480.6  | 969.5  | 1621.4 | 1947.4 | 2171.6 | 2620.1 |
| 107.5° | 526.4  | 458.8  | 391.1  | 458.8  | 526.4  | 543.3  | 974.4  | 1549.2 | 1836.6 | 2149.5 | 2775.1 |
| 110°   | 563.1  | 502.1  | 440.9  | 502.1  | 563.1  | 578.4  | 967.1  | 1485.2 | 1744.3 | 2094.1 | 2793.5 |



TEST NUMBER: P935888

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 606.2  | 548.0  | 489.8  | 548.0  | 606.2  | 620.8  | 967.4  | 1429.4 | 1660.4 | 2018.3 | 2734.2 |
| 115°   | 671.1  | 617.3  | 563.6  | 617.3  | 671.1  | 684.5  | 976.2  | 1365.3 | 1559.9 | 1904.7 | 2594.3 |
| 117.5° | 734.1  | 685.3  | 636.5  | 685.3  | 734.1  | 746.3  | 994.5  | 1325.3 | 1490.7 | 1801.9 | 2424.2 |
| 120°   | 770.9  | 724.9  | 679.0  | 724.9  | 770.9  | 782.3  | 1009.2 | 1311.8 | 1463.0 | 1747.4 | 2316.0 |
| 122.5° | 813.2  | 766.8  | 720.5  | 766.8  | 813.2  | 824.7  | 1030.4 | 1304.7 | 1441.8 | 1697.9 | 2209.9 |
| 125°   | 868.6  | 826.3  | 784.1  | 826.3  | 868.6  | 879.1  | 1059.0 | 1298.9 | 1418.8 | 1636.3 | 2071.2 |
| 127.5° | 921.0  | 878.3  | 835.7  | 878.3  | 921.0  | 931.7  | 1087.6 | 1295.4 | 1399.3 | 1586.1 | 1959.6 |
| 130°   | 955.3  | 909.4  | 863.4  | 909.4  | 955.3  | 966.8  | 1108.6 | 1297.6 | 1392.0 | 1558.3 | 1890.8 |
| 132.5° | 983.9  | 938.0  | 892.0  | 938.0  | 983.9  | 995.4  | 1125.4 | 1298.9 | 1385.5 | 1534.3 | 1832.0 |
| 135°   | 1018.1 | 976.2  | 934.4  | 976.2  | 1018.1 | 1028.6 | 1143.9 | 1297.6 | 1374.5 | 1499.1 | 1748.4 |
| 137.5° | 1060.6 | 1019.2 | 977.8  | 1019.2 | 1060.6 | 1071.0 | 1171.6 | 1305.6 | 1372.6 | 1478.0 | 1688.7 |
| 140°   | 1090.0 | 1052.0 | 1013.8 | 1052.0 | 1090.0 | 1099.6 | 1188.4 | 1306.9 | 1366.2 | 1457.2 | 1639.2 |
| 142.5° | 1112.0 | 1076.7 | 1041.4 | 1076.7 | 1112.0 | 1120.8 | 1202.6 | 1311.7 | 1366.2 | 1446.2 | 1606.0 |
| 145°   | 1145.4 | 1114.7 | 1083.9 | 1114.7 | 1145.4 | 1153.1 | 1221.1 | 1311.7 | 1356.9 | 1422.3 | 1553.1 |
| 147.5° | 1186.2 | 1156.3 | 1126.3 | 1156.3 | 1186.2 | 1193.7 | 1248.1 | 1320.6 | 1356.9 | 1408.4 | 1511.2 |
| 150°   | 1208.0 | 1181.0 | 1154.0 | 1181.0 | 1208.0 | 1214.9 | 1262.2 | 1325.4 | 1356.9 | 1400.4 | 1487.3 |
| 152.5° | 1223.6 | 1203.1 | 1182.6 | 1203.1 | 1223.6 | 1228.8 | 1271.4 | 1328.4 | 1356.9 | 1394.0 | 1468.3 |
| 155°   | 1255.4 | 1240.2 | 1225.0 | 1240.2 | 1255.4 | 1259.1 | 1291.8 | 1335.2 | 1356.9 | 1386.4 | 1445.5 |
| 157.5° | 1285.9 | 1271.2 | 1256.4 | 1271.2 | 1285.9 | 1289.6 | 1312.1 | 1341.9 | 1356.9 | 1379.9 | 1425.9 |
| 160°   | 1300.5 | 1289.1 | 1277.7 | 1289.1 | 1300.5 | 1303.4 | 1321.2 | 1345.0 | 1356.9 | 1376.7 | 1416.0 |
| 162.5° | 1316.0 | 1307.4 | 1298.9 | 1307.4 | 1316.0 | 1318.2 | 1331.1 | 1348.4 | 1356.9 | 1373.5 | 1406.7 |
| 165°   | 1337.4 | 1329.7 | 1321.9 | 1329.7 | 1337.4 | 1339.4 | 1345.2 | 1353.0 | 1356.9 | 1368.9 | 1392.6 |
| 167.5° | 1350.5 | 1346.8 | 1343.1 | 1346.8 | 1350.5 | 1351.4 | 1356.3 | 1362.9 | 1366.2 | 1374.0 | 1389.6 |
| 170°   | 1364.3 | 1360.6 | 1356.9 | 1360.6 | 1364.3 | 1365.2 | 1365.5 | 1366.0 | 1366.2 | 1374.0 | 1389.6 |
| 172.5° | 1366.0 | 1365.1 | 1364.3 | 1365.1 | 1366.0 | 1366.2 | 1366.2 | 1366.2 | 1366.2 | 1372.3 | 1384.6 |
| 175°   | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1371.7 | 1368.1 | 1366.2 | 1370.0 | 1377.8 |
| 177.5° | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1372.3 | 1369.5 | 1368.0 | 1371.0 | 1377.2 |
| 180°   | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 |



TEST NUMBER: P935888

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 |
| 2.5°   | 1011.7 | 1008.8 | 1012.7 | 1001.8 | 1012.7 | 1008.8 | 1011.7 | 1018.6 | 1012.7 | 1016.7 | 1020.7 |
| 5°     | 887.8  | 882.8  | 866.9  | 854.0  | 866.9  | 882.8  | 887.8  | 908.6  | 918.5  | 936.3  | 960.2  |
| 7.5°   | 793.5  | 789.6  | 785.5  | 777.7  | 785.5  | 789.6  | 793.5  | 799.4  | 809.4  | 825.3  | 843.1  |
| 10°    | 772.7  | 773.7  | 779.6  | 778.6  | 779.6  | 773.7  | 772.7  | 770.7  | 767.7  | 770.7  | 781.6  |
| 12.5°  | 826.3  | 835.1  | 867.9  | 865.9  | 867.9  | 835.1  | 826.3  | 786.5  | 759.8  | 754.8  | 756.9  |
| 15°    | 887.8  | 890.8  | 897.7  | 898.6  | 897.7  | 890.8  | 887.8  | 871.9  | 791.6  | 756.9  | 745.9  |
| 17.5°  | 893.7  | 894.7  | 899.6  | 899.6  | 899.6  | 894.7  | 893.7  | 886.7  | 860.0  | 813.4  | 751.8  |
| 20°    | 888.8  | 890.8  | 900.6  | 902.6  | 900.6  | 890.8  | 888.8  | 879.8  | 864.9  | 848.1  | 801.4  |
| 22.5°  | 886.7  | 890.8  | 898.6  | 897.7  | 898.6  | 890.8  | 886.7  | 872.9  | 860.0  | 848.1  | 829.2  |
| 25°    | 876.8  | 876.8  | 877.8  | 878.8  | 877.8  | 876.8  | 876.8  | 865.9  | 840.2  | 837.1  | 826.3  |
| 27.5°  | 856.0  | 858.0  | 863.9  | 862.9  | 863.9  | 858.0  | 856.0  | 852.0  | 824.3  | 821.3  | 813.4  |
| 30°    | 837.1  | 835.1  | 830.2  | 826.3  | 830.2  | 835.1  | 837.1  | 831.2  | 803.4  | 795.5  | 797.5  |
| 32.5°  | 805.5  | 800.4  | 795.5  | 792.5  | 795.5  | 800.4  | 805.5  | 803.4  | 782.6  | 771.7  | 773.7  |
| 35°    | 767.7  | 768.7  | 767.7  | 764.7  | 767.7  | 768.7  | 767.7  | 769.7  | 756.9  | 746.9  | 745.9  |
| 37.5°  | 741.0  | 743.0  | 742.0  | 737.9  | 742.0  | 743.0  | 741.0  | 739.0  | 721.1  | 718.1  | 720.1  |
| 40°    | 713.2  | 714.2  | 713.2  | 710.2  | 713.2  | 714.2  | 713.2  | 709.2  | 684.4  | 685.4  | 692.4  |
| 42.5°  | 686.4  | 685.4  | 682.4  | 680.4  | 682.4  | 685.4  | 686.4  | 680.4  | 648.7  | 645.7  | 658.6  |
| 45°    | 655.7  | 656.7  | 650.7  | 647.7  | 650.7  | 656.7  | 655.7  | 651.6  | 618.9  | 611.0  | 619.9  |
| 47.5°  | 624.9  | 624.9  | 619.9  | 616.9  | 619.9  | 624.9  | 624.9  | 619.9  | 585.2  | 577.3  | 582.2  |
| 50°    | 592.2  | 591.2  | 584.2  | 583.2  | 584.2  | 591.2  | 592.2  | 589.2  | 552.5  | 545.6  | 545.6  |
| 52.5°  | 554.4  | 554.4  | 555.4  | 557.5  | 555.4  | 554.4  | 554.4  | 555.4  | 522.8  | 515.8  | 513.8  |
| 55°    | 521.7  | 522.8  | 529.7  | 531.7  | 529.7  | 522.8  | 521.7  | 521.7  | 492.0  | 485.0  | 481.1  |
| 57.5°  | 488.0  | 488.0  | 493.0  | 493.0  | 493.0  | 488.0  | 488.0  | 486.0  | 457.3  | 451.3  | 449.3  |
| 60°    | 449.3  | 451.3  | 455.2  | 454.3  | 455.2  | 451.3  | 449.3  | 447.3  | 422.5  | 418.6  | 411.7  |
| 62.5°  | 408.7  | 410.7  | 411.7  | 409.7  | 411.7  | 410.7  | 408.7  | 402.7  | 387.8  | 384.8  | 376.0  |
| 65°    | 366.0  | 368.0  | 369.0  | 367.0  | 369.0  | 368.0  | 366.0  | 363.0  | 352.1  | 347.2  | 339.2  |
| 67.5°  | 322.3  | 321.3  | 320.4  | 324.4  | 320.4  | 321.3  | 322.3  | 318.4  | 311.5  | 307.5  | 296.6  |
| 70°    | 277.8  | 277.8  | 276.8  | 278.7  | 276.8  | 277.8  | 277.8  | 274.8  | 270.8  | 267.8  | 257.9  |
| 72.5°  | 230.1  | 229.1  | 233.1  | 230.1  | 233.1  | 229.1  | 230.1  | 229.1  | 227.2  | 224.2  | 214.3  |
| 75°    | 183.5  | 185.5  | 183.5  | 186.5  | 183.5  | 185.5  | 183.5  | 184.5  | 183.5  | 181.5  | 174.6  |
| 77.5°  | 139.8  | 141.9  | 139.8  | 139.8  | 139.8  | 141.9  | 139.8  | 140.8  | 140.8  | 140.8  | 134.9  |
| 80°    | 99.2   | 98.2   | 98.2   | 97.2   | 98.2   | 98.2   | 99.2   | 99.2   | 100.2  | 98.2   | 96.2   |
| 82.5°  | 63.5   | 62.5   | 62.5   | 64.5   | 62.5   | 62.5   | 63.5   | 64.5   | 62.5   | 62.5   | 62.5   |
| 85°    | 34.7   | 35.7   | 33.7   | 33.7   | 33.7   | 35.7   | 34.7   | 32.7   | 34.7   | 34.7   | 33.7   |
| 87.5°  | 12.9   | 11.9   | 11.9   | 11.9   | 11.9   | 11.9   | 12.9   | 13.9   | 13.9   | 13.9   | 14.9   |
| 90°    | 35.1   | 35.1   | 35.1   | 35.1   | 35.1   | 35.1   | 35.1   | 46.7   | 62.3   | 70.1   | 60.2   |
| 92.5°  | 175.3  | 168.3  | 140.4  | 112.5  | 140.4  | 168.3  | 175.3  | 248.5  | 346.0  | 394.8  | 346.7  |
| 95°    | 595.0  | 573.9  | 489.4  | 405.0  | 489.4  | 573.9  | 595.0  | 781.3  | 1029.8 | 1154.0 | 974.7  |
| 97.5°  | 1373.6 | 1333.4 | 1172.6 | 1011.9 | 1172.6 | 1333.4 | 1373.6 | 1491.3 | 1648.4 | 1726.9 | 1427.8 |
| 100°   | 1928.9 | 1881.1 | 1689.6 | 1498.1 | 1689.6 | 1881.1 | 1928.9 | 1920.3 | 1908.8 | 1903.1 | 1571.2 |
| 102.5° | 2403.0 | 2362.0 | 2198.0 | 2034.0 | 2198.0 | 2362.0 | 2403.0 | 2252.9 | 2052.9 | 1952.9 | 1616.3 |
| 105°   | 2956.5 | 2934.4 | 2846.3 | 2758.1 | 2846.3 | 2934.4 | 2956.5 | 2620.1 | 2171.6 | 1947.4 | 1621.4 |
| 107.5° | 3244.3 | 3249.7 | 3271.0 | 3292.3 | 3271.0 | 3249.7 | 3244.3 | 2775.1 | 2149.5 | 1836.6 | 1549.2 |
| 110°   | 3318.1 | 3341.1 | 3432.9 | 3524.8 | 3432.9 | 3341.1 | 3318.1 | 2793.5 | 2094.1 | 1744.3 | 1485.2 |



TEST NUMBER: P935888

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 3271.1 | 3306.4 | 3447.4 | 3588.3 | 3447.4 | 3306.4 | 3271.1 | 2734.2 | 2018.3 | 1660.4 | 1429.4 |
| 115°   | 3111.4 | 3160.3 | 3355.9 | 3551.5 | 3355.9 | 3160.3 | 3111.4 | 2594.3 | 1904.7 | 1559.9 | 1365.3 |
| 117.5° | 2891.0 | 2945.2 | 3162.1 | 3379.0 | 3162.1 | 2945.2 | 2891.0 | 2424.2 | 1801.9 | 1490.7 | 1325.3 |
| 120°   | 2742.5 | 2795.1 | 3005.9 | 3216.6 | 3005.9 | 2795.1 | 2742.5 | 2316.0 | 1747.4 | 1463.0 | 1311.8 |
| 122.5° | 2594.0 | 2645.9 | 2853.8 | 3061.6 | 2853.8 | 2645.9 | 2594.0 | 2209.9 | 1697.9 | 1441.8 | 1304.7 |
| 125°   | 2397.5 | 2445.3 | 2636.8 | 2828.2 | 2636.8 | 2445.3 | 2397.5 | 2071.2 | 1636.3 | 1418.8 | 1298.9 |
| 127.5° | 2239.7 | 2280.1 | 2441.6 | 2603.2 | 2441.6 | 2280.1 | 2239.7 | 1959.6 | 1586.1 | 1399.3 | 1295.4 |
| 130°   | 2140.1 | 2177.4 | 2326.7 | 2475.8 | 2326.7 | 2177.4 | 2140.1 | 1890.8 | 1558.3 | 1392.0 | 1297.6 |
| 132.5° | 2055.2 | 2088.6 | 2222.2 | 2355.9 | 2222.2 | 2088.6 | 2055.2 | 1832.0 | 1534.3 | 1385.5 | 1298.9 |
| 135°   | 1935.3 | 1964.1 | 2079.4 | 2194.5 | 2079.4 | 1964.1 | 1935.3 | 1748.4 | 1499.1 | 1374.5 | 1297.6 |
| 137.5° | 1846.8 | 1870.3 | 1964.7 | 2059.0 | 1964.7 | 1870.3 | 1846.8 | 1688.7 | 1478.0 | 1372.6 | 1305.6 |
| 140°   | 1775.8 | 1797.8 | 1885.9 | 1974.1 | 1885.9 | 1797.8 | 1775.8 | 1639.2 | 1457.2 | 1366.2 | 1306.9 |
| 142.5° | 1725.9 | 1744.8 | 1820.7 | 1896.6 | 1820.7 | 1744.8 | 1725.9 | 1606.0 | 1446.2 | 1366.2 | 1311.7 |
| 145°   | 1651.3 | 1665.6 | 1722.9 | 1780.3 | 1722.9 | 1665.6 | 1651.3 | 1553.1 | 1422.3 | 1356.9 | 1311.7 |
| 147.5° | 1588.4 | 1600.4 | 1647.9 | 1695.5 | 1647.9 | 1600.4 | 1588.4 | 1511.2 | 1408.4 | 1356.9 | 1320.6 |
| 150°   | 1552.5 | 1562.1 | 1600.7 | 1639.2 | 1600.7 | 1562.1 | 1552.5 | 1487.3 | 1400.4 | 1356.9 | 1325.4 |
| 152.5° | 1523.9 | 1531.2 | 1560.2 | 1589.4 | 1560.2 | 1531.2 | 1523.9 | 1468.3 | 1394.0 | 1356.9 | 1328.4 |
| 155°   | 1489.7 | 1494.6 | 1513.8 | 1533.1 | 1513.8 | 1494.6 | 1489.7 | 1445.5 | 1386.4 | 1356.9 | 1335.2 |
| 157.5° | 1460.3 | 1463.6 | 1477.2 | 1490.7 | 1477.2 | 1463.6 | 1460.3 | 1425.9 | 1379.9 | 1356.9 | 1341.9 |
| 160°   | 1445.5 | 1447.4 | 1455.2 | 1463.0 | 1455.2 | 1447.4 | 1445.5 | 1416.0 | 1376.7 | 1356.9 | 1345.0 |
| 162.5° | 1431.7 | 1433.5 | 1440.8 | 1448.2 | 1440.8 | 1433.5 | 1431.7 | 1406.7 | 1373.5 | 1356.9 | 1348.4 |
| 165°   | 1410.5 | 1412.4 | 1420.1 | 1427.9 | 1420.1 | 1412.4 | 1410.5 | 1392.6 | 1368.9 | 1356.9 | 1353.0 |
| 167.5° | 1401.2 | 1402.0 | 1405.3 | 1408.6 | 1405.3 | 1402.0 | 1401.2 | 1389.6 | 1374.0 | 1366.2 | 1362.9 |
| 170°   | 1401.2 | 1401.2 | 1401.2 | 1401.2 | 1401.2 | 1401.2 | 1401.2 | 1389.6 | 1374.0 | 1366.2 | 1366.0 |
| 172.5° | 1393.8 | 1393.1 | 1390.3 | 1387.4 | 1390.3 | 1393.1 | 1393.8 | 1384.6 | 1372.3 | 1366.2 | 1366.2 |
| 175°   | 1383.7 | 1383.7 | 1383.7 | 1383.7 | 1383.7 | 1383.7 | 1383.7 | 1377.8 | 1370.0 | 1366.2 | 1368.1 |
| 177.5° | 1381.9 | 1381.1 | 1377.7 | 1374.5 | 1377.7 | 1381.1 | 1381.9 | 1377.2 | 1371.0 | 1368.0 | 1369.5 |
| 180°   | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 |



TEST NUMBER: P935888

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 0°     | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 |
| 2.5°   | 1035.5 | 1040.5 | 1043.5 | 1047.4 | 1057.4 |
| 5°     | 995.9  | 1014.7 | 1020.7 | 1035.5 | 1053.3 |
| 7.5°   | 908.6  | 966.1  | 982.0  | 1017.7 | 1045.5 |
| 10°    | 824.3  | 881.8  | 909.6  | 993.9  | 1035.5 |
| 12.5°  | 781.6  | 815.3  | 834.2  | 952.2  | 1021.7 |
| 15°    | 754.8  | 778.6  | 792.5  | 896.7  | 1005.8 |
| 17.5°  | 734.0  | 750.8  | 760.8  | 842.1  | 983.9  |
| 20°    | 721.1  | 729.0  | 737.9  | 802.4  | 959.2  |
| 22.5°  | 712.2  | 707.3  | 714.2  | 774.7  | 925.5  |
| 25°    | 706.3  | 687.3  | 695.3  | 752.8  | 885.7  |
| 27.5°  | 711.2  | 669.5  | 672.6  | 733.0  | 844.1  |
| 30°    | 712.2  | 647.7  | 648.7  | 712.2  | 797.5  |
| 32.5°  | 705.3  | 624.9  | 625.9  | 686.4  | 744.9  |
| 35°    | 688.3  | 598.1  | 597.1  | 656.7  | 673.5  |
| 37.5°  | 665.6  | 569.3  | 569.3  | 623.9  | 595.1  |
| 40°    | 637.7  | 540.6  | 543.6  | 581.2  | 525.7  |
| 42.5°  | 604.0  | 509.9  | 513.8  | 524.7  | 474.2  |
| 45°    | 567.3  | 480.1  | 483.0  | 443.4  | 434.4  |
| 47.5°  | 526.7  | 449.3  | 450.3  | 368.0  | 421.5  |
| 50°    | 478.1  | 417.6  | 413.6  | 315.4  | 420.5  |
| 52.5°  | 435.4  | 382.9  | 370.9  | 285.6  | 381.9  |
| 55°    | 393.8  | 346.2  | 320.4  | 262.9  | 354.1  |
| 57.5°  | 357.1  | 298.6  | 273.8  | 236.0  | 348.2  |
| 60°    | 323.3  | 251.9  | 233.1  | 207.3  | 319.4  |
| 62.5°  | 295.6  | 217.2  | 213.3  | 187.4  | 289.6  |
| 65°    | 265.8  | 193.5  | 192.5  | 170.6  | 246.0  |
| 67.5°  | 237.0  | 177.6  | 176.6  | 154.7  | 187.4  |
| 70°    | 206.3  | 160.7  | 158.7  | 137.8  | 138.8  |
| 72.5°  | 174.6  | 141.9  | 139.8  | 123.9  | 115.1  |
| 75°    | 142.9  | 120.0  | 119.0  | 108.2  | 93.3   |
| 77.5°  | 112.1  | 95.2   | 97.2   | 87.3   | 68.4   |
| 80°    | 80.4   | 69.4   | 71.4   | 62.5   | 51.6   |
| 82.5°  | 53.5   | 45.7   | 47.6   | 39.6   | 34.7   |
| 85°    | 29.8   | 25.8   | 26.8   | 20.8   | 15.9   |
| 87.5°  | 13.9   | 11.9   | 11.9   | 7.9    | 4.9    |
| 90°    | 40.6   | 25.8   | 24.0   | 16.7   | 9.3    |
| 92.5°  | 250.3  | 178.1  | 162.4  | 99.6   | 36.9   |
| 95°    | 616.0  | 346.9  | 318.2  | 203.3  | 88.5   |
| 97.5°  | 829.6  | 381.0  | 355.7  | 254.4  | 153.1  |
| 100°   | 907.4  | 409.6  | 386.6  | 294.8  | 202.9  |
| 102.5° | 943.1  | 438.2  | 416.8  | 331.1  | 245.4  |
| 105°   | 969.5  | 480.6  | 462.4  | 389.9  | 317.3  |
| 107.5° | 974.4  | 543.3  | 526.4  | 458.8  | 391.1  |
| 110°   | 967.1  | 578.4  | 563.1  | 502.1  | 440.9  |



TEST NUMBER: P935888

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 967.4  | 620.8  | 606.2  | 548.0  | 489.8  |
| 115°   | 976.2  | 684.5  | 671.1  | 617.3  | 563.6  |
| 117.5° | 994.5  | 746.3  | 734.1  | 685.3  | 636.5  |
| 120°   | 1009.2 | 782.3  | 770.9  | 724.9  | 679.0  |
| 122.5° | 1030.4 | 824.7  | 813.2  | 766.8  | 720.5  |
| 125°   | 1059.0 | 879.1  | 868.6  | 826.3  | 784.1  |
| 127.5° | 1087.6 | 931.7  | 921.0  | 878.3  | 835.7  |
| 130°   | 1108.6 | 966.8  | 955.3  | 909.4  | 863.4  |
| 132.5° | 1125.4 | 995.4  | 983.9  | 938.0  | 892.0  |
| 135°   | 1143.9 | 1028.6 | 1018.1 | 976.2  | 934.4  |
| 137.5° | 1171.6 | 1071.0 | 1060.6 | 1019.2 | 977.8  |
| 140°   | 1188.4 | 1099.6 | 1090.0 | 1052.0 | 1013.8 |
| 142.5° | 1202.6 | 1120.8 | 1112.0 | 1076.7 | 1041.4 |
| 145°   | 1221.1 | 1153.1 | 1145.4 | 1114.7 | 1083.9 |
| 147.5° | 1248.1 | 1193.7 | 1186.2 | 1156.3 | 1126.3 |
| 150°   | 1262.2 | 1214.9 | 1208.0 | 1181.0 | 1154.0 |
| 152.5° | 1271.4 | 1228.8 | 1223.6 | 1203.1 | 1182.6 |
| 155°   | 1291.8 | 1259.1 | 1255.4 | 1240.2 | 1225.0 |
| 157.5° | 1312.1 | 1289.6 | 1285.9 | 1271.2 | 1256.4 |
| 160°   | 1321.2 | 1303.4 | 1300.5 | 1289.1 | 1277.7 |
| 162.5° | 1331.1 | 1318.2 | 1316.0 | 1307.4 | 1298.9 |
| 165°   | 1345.2 | 1339.4 | 1337.4 | 1329.7 | 1321.9 |
| 167.5° | 1356.3 | 1351.4 | 1350.5 | 1346.8 | 1343.1 |
| 170°   | 1365.5 | 1365.2 | 1364.3 | 1360.6 | 1356.9 |
| 172.5° | 1366.2 | 1366.2 | 1366.0 | 1365.1 | 1364.3 |
| 175°   | 1371.7 | 1374.5 | 1374.5 | 1374.5 | 1374.5 |
| 177.5° | 1372.3 | 1374.5 | 1374.5 | 1374.5 | 1374.5 |
| 180°   | 1374.5 | 1374.5 | 1374.5 | 1374.5 | 1374.5 |



TEST NUMBER: P935888  
 CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-3000K

**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 | 8.09             | 8.75  | 9.25  | 9.90  | 11.50 | 10.91          | 11.58 | 12.07 | 12.72 | 14.33 |
|                 | 3H   | 8.55             | 9.14  | 9.71  | 10.30 | 11.92 | 12.24          | 12.84 | 13.41 | 13.99 | 15.61 |
|                 | 4H   | 8.73             | 9.30  | 9.90  | 10.45 | 12.07 | 12.68          | 13.24 | 13.85 | 14.39 | 16.02 |
|                 | 6H   | 8.84             | 9.36  | 10.02 | 10.51 | 12.15 | 12.95          | 13.47 | 14.13 | 14.62 | 16.26 |
|                 | 8H   | 8.84             | 9.33  | 10.02 | 10.50 | 12.13 | 13.02          | 13.51 | 14.20 | 14.68 | 16.31 |
|                 | 12H  | 8.80             | 9.27  | 9.99  | 10.43 | 12.08 | 13.05          | 13.52 | 14.23 | 14.68 | 16.33 |
| 4H              | 2H   | 9.09             | 9.66  | 10.28 | 10.81 | 12.44 | 11.30          | 11.86 | 12.48 | 13.01 | 14.64 |
|                 | 3H   | 10.10            | 10.57 | 11.29 | 11.75 | 13.39 | 12.78          | 13.25 | 13.97 | 14.43 | 16.07 |
|                 | 4H   | 10.37            | 10.80 | 11.56 | 11.97 | 13.63 | 13.30          | 13.74 | 14.49 | 14.90 | 16.56 |
|                 | 6H   | 10.48            | 10.86 | 11.68 | 12.04 | 13.69 | 13.65          | 14.02 | 14.84 | 15.21 | 16.86 |
|                 | 8H   | 10.49            | 10.83 | 11.67 | 12.01 | 13.67 | 13.76          | 14.10 | 14.94 | 15.28 | 16.94 |
|                 | 12H  | 10.44            | 10.76 | 11.65 | 11.95 | 13.61 | 13.80          | 14.12 | 15.01 | 15.30 | 16.97 |
| 8H              | 4H   | 10.81            | 11.15 | 12.00 | 12.33 | 14.00 | 13.41          | 13.76 | 14.60 | 14.94 | 16.60 |
|                 | 6H   | 11.06            | 11.35 | 12.27 | 12.57 | 14.23 | 13.84          | 14.12 | 15.05 | 15.34 | 17.00 |
|                 | 8H   | 11.10            | 11.35 | 12.31 | 12.55 | 14.23 | 13.99          | 14.23 | 15.20 | 15.43 | 17.11 |
|                 | 12H  | 11.08            | 11.29 | 12.29 | 12.49 | 14.20 | 14.07          | 14.29 | 15.29 | 15.49 | 17.20 |
| 12H             | 4H   | 10.80            | 11.12 | 12.01 | 12.31 | 13.97 | 13.37          | 13.68 | 14.57 | 14.87 | 16.54 |
|                 | 6H   | 11.12            | 11.37 | 12.33 | 12.57 | 14.25 | 13.83          | 14.08 | 15.05 | 15.28 | 16.96 |
|                 | 8H   | 11.18            | 11.40 | 12.39 | 12.59 | 14.30 | 13.98          | 14.20 | 15.20 | 15.40 | 17.11 |