

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: P935279

Luminaire Tested: SQ4-FA-100U-100D-B2750-1D-UNV-W2A-W-12-3500K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P935279  
REPORT IS A COMBINATION OF REPORTS P933745 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-100D-B2750-1D-UNV-W2A-W-12-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

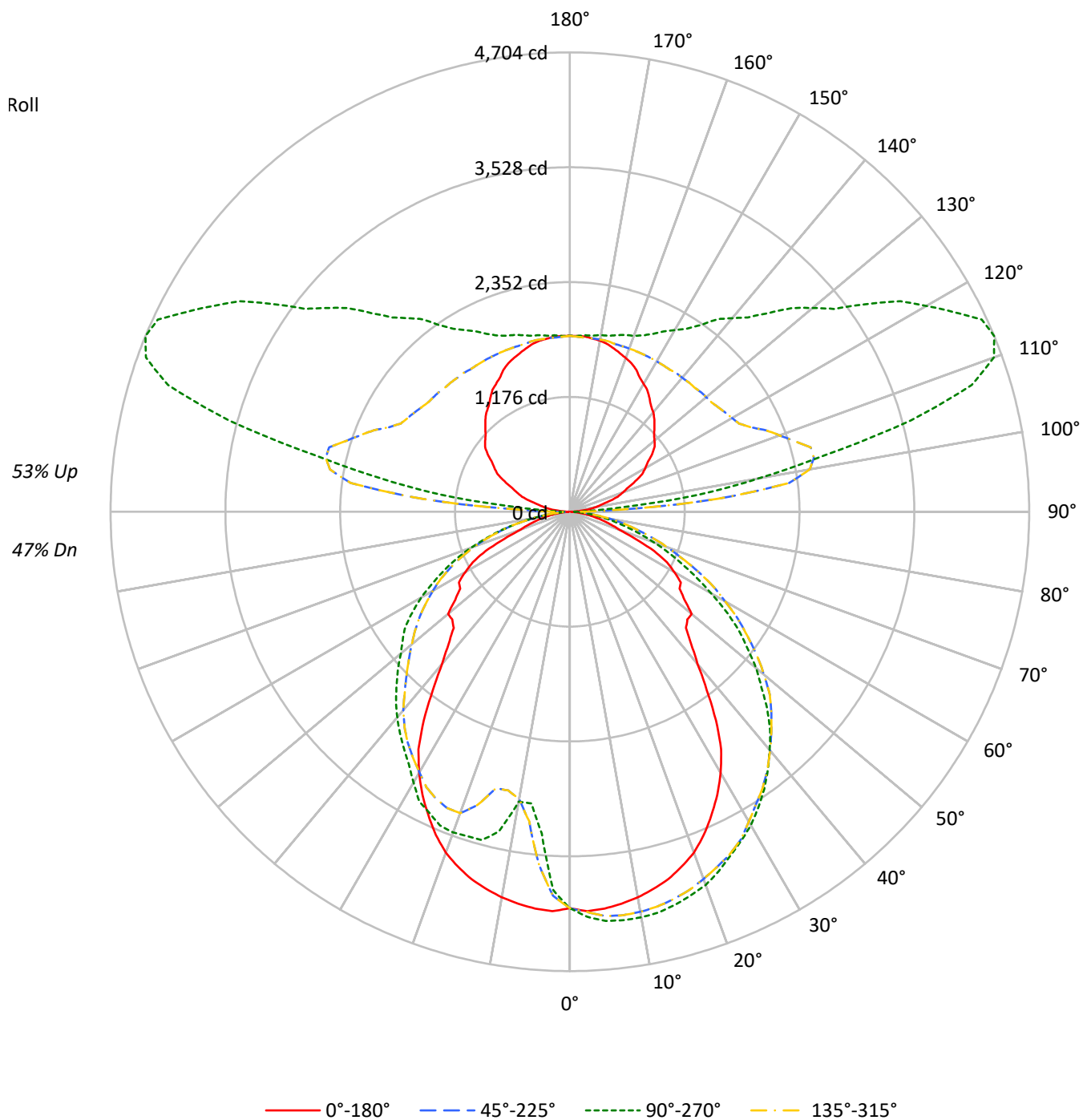
Lumens per Lamp: N/A  
Luminaire Lumens: 22212.4 lumens  
Efficiency: N/A  
Efficacy: 127.7 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 174  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P935279

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-W2A-W-12-3500K

### Luminous Intensity Polar Plot



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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    |    | 20 |    |    |    |    | 20 |    |    |    |    | 20 |
| RC  | 80  |     |     |     | 70 |    |    |    |    | 50 |    |    |    |    | 30 |    |    |    |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 107 | 107 | 107 | 107 | 98 | 98 | 98 | 98 | 82 | 82 | 82 | 67 | 67 | 67 | 54 | 54 | 54 | 47 | 47 | 47 |
| 1   | 97  | 93  | 89  | 86  | 89 | 86 | 82 | 79 | 72 | 70 | 67 | 59 | 58 | 56 | 48 | 47 | 46 | 40 | 40 | 40 |
| 2   | 89  | 81  | 75  | 70  | 81 | 75 | 70 | 65 | 63 | 59 | 56 | 52 | 49 | 47 | 42 | 40 | 38 | 34 | 34 | 34 |
| 3   | 81  | 71  | 64  | 58  | 74 | 66 | 60 | 54 | 56 | 51 | 47 | 46 | 43 | 40 | 37 | 35 | 33 | 28 | 28 | 28 |
| 4   | 74  | 63  | 55  | 49  | 68 | 58 | 51 | 46 | 49 | 44 | 40 | 41 | 37 | 34 | 33 | 30 | 28 | 24 | 24 | 24 |
| 5   | 68  | 56  | 48  | 42  | 62 | 52 | 45 | 39 | 44 | 39 | 34 | 37 | 33 | 29 | 30 | 27 | 24 | 21 | 21 | 21 |
| 6   | 62  | 50  | 42  | 36  | 57 | 47 | 39 | 34 | 40 | 34 | 30 | 33 | 29 | 26 | 27 | 24 | 21 | 19 | 19 | 19 |
| 7   | 58  | 45  | 37  | 32  | 53 | 42 | 35 | 30 | 36 | 30 | 26 | 30 | 26 | 23 | 25 | 21 | 19 | 16 | 16 | 16 |
| 8   | 53  | 41  | 33  | 28  | 49 | 38 | 31 | 27 | 33 | 27 | 23 | 28 | 23 | 20 | 23 | 19 | 17 | 15 | 15 | 15 |
| 9   | 50  | 38  | 30  | 25  | 46 | 35 | 28 | 24 | 30 | 25 | 21 | 25 | 21 | 18 | 21 | 18 | 15 | 13 | 13 | 13 |
| 10  | 46  | 34  | 27  | 22  | 43 | 32 | 26 | 21 | 28 | 22 | 19 | 23 | 19 | 16 | 19 | 16 | 14 | 12 | 12 | 12 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 12557 | 12557 | 12557 | 12557 |
| 5°  | 12656 | 12676 | 12656 | 9967  |
| 10° | 12575 | 12486 | 12575 | 8927  |
| 15° | 12443 | 12216 | 12443 | 10200 |
| 20° | 12188 | 11896 | 12188 | 10222 |
| 25° | 11660 | 11428 | 11660 | 10005 |
| 30° | 10976 | 11040 | 10976 | 9530  |
| 35° | 9791  | 10549 | 9791  | 9007  |
| 40° | 8163  | 9971  | 8163  | 8612  |
| 45° | 7298  | 9295  | 7298  | 8158  |
| 50° | 7759  | 8488  | 7759  | 7702  |
| 55° | 7307  | 7619  | 7307  | 7438  |
| 60° | 7542  | 6471  | 7542  | 6813  |
| 65° | 6849  | 5349  | 6849  | 5979  |
| 70° | 4754  | 4263  | 4754  | 5012  |
| 75° | 4184  | 3151  | 4184  | 3773  |
| 80° | 3397  | 2083  | 3397  | 2268  |
| 85° | 1990  | 1103  | 1990  | 938   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 11178 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 366.5   | 1.6       |
| 10°-20°   | 1040.5  | 4.7       |
| 20°-30°   | 1608.4  | 7.2       |
| 30°-40°   | 1920.1  | 8.6       |
| 40°-50°   | 1931.4  | 8.7       |
| 50°-60°   | 1680.5  | 7.6       |
| 60°-70°   | 1191.5  | 5.4       |
| 70°-80°   | 630.4   | 2.8       |
| 80°-90°   | 163.9   | 0.7       |
| 90°-100°  | 878.2   | 4.0       |
| 100°-110° | 2308.8  | 10.4      |
| 110°-120° | 2394.0  | 10.8      |
| 120°-130° | 1920.3  | 8.6       |
| 130°-140° | 1506.8  | 6.8       |
| 140°-150° | 1156.5  | 5.2       |
| 150°-160° | 832.9   | 3.7       |
| 160°-170° | 509.6   | 2.3       |
| 170°-180° | 172.2   | 0.8       |
| 0°-30°    | 3015.4  | 13.6      |
| 0°-40°    | 4935.5  | 22.2      |
| 0°-60°    | 8547.4  | 38.5      |
| 0°-90°    | 10533.1 | 47.4      |
| 90°-120°  | 5581.1  | 25.1      |
| 90°-150°  | 10164.6 | 45.8      |
| 90°-180°  | 11679.0 | 52.6      |
| 0°-180°   | 22212.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 4060 | 4060 | 4060 | 4060 | 4060 |      |
| 5°   | 4079 | 4206 | 4079 | 3307 | 4079 | 387  |
| 15°  | 3895 | 4167 | 3895 | 3480 | 3895 | 1096 |
| 25°  | 3430 | 3887 | 3430 | 3403 | 3430 | 1575 |
| 35°  | 2608 | 3468 | 2608 | 2961 | 2608 | 1613 |
| 45°  | 1682 | 2858 | 1682 | 2508 | 1682 | 1348 |
| 55°  | 1371 | 2109 | 1371 | 2059 | 1371 | 1260 |
| 65°  | 952  | 1271 | 952  | 1421 | 952  | 910  |
| 75°  | 361  | 603  | 361  | 722  | 361  | 380  |
| 85°  | 61   | 154  | 61   | 131  | 61   | 83   |
| 90°  | 12   | 46   | 12   | 46   | 12   | 13   |
| 95°  | 116  | 531  | 116  | 531  | 116  | 129  |
| 105° | 416  | 3615 | 416  | 3615 | 416  | 441  |
| 115° | 739  | 4655 | 739  | 4655 | 739  | 730  |
| 125° | 1028 | 3707 | 1028 | 3707 | 1028 | 913  |
| 135° | 1225 | 2877 | 1225 | 2877 | 1225 | 948  |
| 145° | 1421 | 2334 | 1421 | 2334 | 1421 | 890  |
| 155° | 1606 | 2010 | 1606 | 2010 | 1606 | 738  |
| 165° | 1733 | 1872 | 1733 | 1872 | 1733 | 489  |
| 175° | 1802 | 1814 | 1802 | 1814 | 1802 | 171  |
| 180° | 1802 | 1802 | 1802 | 1802 | 1802 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 |
| 2.5°   | 4094.3 | 4094.3 | 4117.4 | 4125.0 | 4125.0 | 4113.5 | 4102.0 | 4113.5 | 4148.1 | 4159.6 | 4155.8 |
| 5°     | 4079.0 | 4109.7 | 4152.0 | 4159.6 | 4167.3 | 4163.5 | 4155.8 | 4163.5 | 4201.9 | 4209.5 | 4213.4 |
| 7.5°   | 4048.2 | 4105.8 | 4159.6 | 4171.2 | 4182.7 | 4171.2 | 4167.3 | 4175.0 | 4213.4 | 4221.1 | 4221.1 |
| 10°    | 4009.8 | 4090.5 | 4152.0 | 4159.6 | 4171.2 | 4159.6 | 4159.6 | 4175.0 | 4213.4 | 4221.1 | 4224.9 |
| 12.5°  | 3956.0 | 4067.5 | 4125.0 | 4132.8 | 4148.1 | 4144.2 | 4140.4 | 4155.8 | 4194.2 | 4201.9 | 4201.9 |
| 15°    | 3894.6 | 4025.2 | 4079.0 | 4086.7 | 4113.5 | 4105.8 | 4105.8 | 4121.3 | 4163.5 | 4175.0 | 4171.2 |
| 17.5°  | 3810.1 | 3971.4 | 4032.9 | 4044.4 | 4063.6 | 4059.7 | 4063.6 | 4079.0 | 4117.4 | 4125.0 | 4128.9 |
| 20°    | 3714.1 | 3898.5 | 3971.4 | 3983.0 | 4002.2 | 4002.2 | 4002.2 | 4021.4 | 4059.7 | 4075.1 | 4075.1 |
| 22.5°  | 3583.5 | 3821.6 | 3898.5 | 3906.1 | 3929.2 | 3929.2 | 3936.9 | 3963.7 | 3998.3 | 4002.2 | 4002.2 |
| 25°    | 3429.9 | 3737.1 | 3802.5 | 3825.5 | 3848.5 | 3860.0 | 3871.5 | 3886.9 | 3898.5 | 3894.6 | 3898.5 |
| 27.5°  | 3268.5 | 3629.6 | 3714.1 | 3729.5 | 3760.2 | 3771.7 | 3787.0 | 3790.9 | 3794.7 | 3806.2 | 3798.6 |
| 30°    | 3088.0 | 3479.8 | 3606.5 | 3621.9 | 3671.8 | 3679.5 | 3664.2 | 3671.8 | 3691.0 | 3698.8 | 3706.4 |
| 32.5°  | 2884.4 | 3257.0 | 3495.2 | 3529.7 | 3575.8 | 3552.7 | 3549.0 | 3560.5 | 3591.2 | 3591.2 | 3598.9 |
| 35°    | 2608.0 | 3084.2 | 3391.5 | 3422.2 | 3456.7 | 3429.9 | 3445.2 | 3449.1 | 3468.2 | 3479.8 | 3476.0 |
| 37.5°  | 2304.5 | 2934.4 | 3283.9 | 3307.0 | 3333.8 | 3299.3 | 3322.3 | 3333.8 | 3349.3 | 3341.5 | 3341.5 |
| 40°    | 2035.7 | 2700.1 | 3157.2 | 3172.5 | 3195.6 | 3168.7 | 3191.7 | 3199.4 | 3207.1 | 3199.4 | 3195.6 |
| 42.5°  | 1836.0 | 2442.8 | 3022.7 | 3042.0 | 3026.6 | 3045.8 | 3053.4 | 3068.8 | 3057.3 | 3042.0 | 3042.0 |
| 45°    | 1682.3 | 2373.7 | 2876.8 | 2899.8 | 2876.8 | 2907.5 | 2919.0 | 2919.0 | 2884.4 | 2876.8 | 2873.0 |
| 47.5°  | 1632.4 | 2235.4 | 2730.8 | 2730.8 | 2719.3 | 2757.7 | 2777.0 | 2750.0 | 2715.4 | 2704.0 | 2704.0 |
| 50°    | 1628.5 | 2081.7 | 2531.1 | 2515.7 | 2569.5 | 2615.6 | 2596.4 | 2569.5 | 2542.7 | 2500.4 | 2500.4 |
| 52.5°  | 1478.7 | 1893.5 | 2273.8 | 2331.4 | 2415.9 | 2442.8 | 2412.0 | 2385.2 | 2339.1 | 2319.9 | 2304.5 |
| 55°    | 1371.1 | 1697.7 | 2039.5 | 2154.7 | 2243.0 | 2277.6 | 2220.0 | 2193.1 | 2124.0 | 2112.4 | 2104.8 |
| 57.5°  | 1348.2 | 1413.4 | 1824.4 | 1970.4 | 2077.9 | 2074.0 | 2039.5 | 1989.6 | 1931.9 | 1920.5 | 1916.6 |
| 60°    | 1236.7 | 1021.6 | 1593.9 | 1766.8 | 1878.2 | 1866.7 | 1836.0 | 1789.8 | 1736.1 | 1728.4 | 1720.7 |
| 62.5°  | 1121.5 | 741.3  | 1332.8 | 1528.7 | 1686.2 | 1682.3 | 1655.4 | 1586.3 | 1547.9 | 1528.7 | 1513.3 |
| 65°    | 952.5  | 622.2  | 948.7  | 1271.3 | 1497.9 | 1505.6 | 1448.0 | 1398.1 | 1355.8 | 1332.8 | 1328.9 |
| 67.5°  | 725.9  | 507.0  | 641.4  | 1060.1 | 1317.5 | 1309.7 | 1236.7 | 1213.7 | 1159.9 | 1148.4 | 1125.4 |
| 70°    | 537.7  | 338.0  | 445.5  | 860.4  | 1140.7 | 1121.5 | 1063.9 | 1037.0 | 987.1  | 960.2  | 944.9  |
| 72.5°  | 445.5  | 272.7  | 326.5  | 668.3  | 960.2  | 937.1  | 887.2  | 856.5  | 814.3  | 791.2  | 775.9  |
| 75°    | 361.0  | 288.1  | 249.6  | 495.4  | 779.7  | 764.3  | 718.2  | 687.5  | 652.9  | 622.2  | 626.1  |
| 77.5°  | 265.0  | 268.9  | 199.7  | 364.9  | 618.4  | 595.4  | 568.4  | 530.0  | 514.6  | 483.9  | 483.9  |
| 80°    | 199.7  | 211.2  | 149.8  | 249.6  | 445.5  | 445.5  | 422.5  | 395.6  | 368.7  | 353.4  | 353.4  |
| 82.5°  | 134.4  | 134.4  | 111.3  | 157.5  | 303.4  | 291.9  | 276.6  | 268.9  | 253.5  | 245.8  | 245.8  |
| 85°    | 61.4   | 76.8   | 69.1   | 96.0   | 165.1  | 172.9  | 172.9  | 165.1  | 161.3  | 153.6  | 157.5  |
| 87.5°  | 19.2   | 34.6   | 42.2   | 53.8   | 84.5   | 88.4   | 92.2   | 92.2   | 92.2   | 96.0   | 96.0   |
| 90°    | 12.1   | 21.8   | 31.4   | 33.8   | 53.2   | 79.0   | 91.9   | 81.7   | 61.2   | 45.9   | 45.9   |
| 92.5°  | 48.4   | 130.5  | 212.8  | 233.3  | 328.1  | 454.4  | 517.5  | 453.6  | 325.7  | 229.7  | 220.6  |
| 95°    | 116.1  | 266.6  | 417.1  | 454.7  | 807.3  | 1277.5 | 1512.6 | 1349.8 | 1024.1 | 779.9  | 752.1  |
| 97.5°  | 200.7  | 333.4  | 466.2  | 499.4  | 1087.4 | 1871.4 | 2263.5 | 2160.6 | 1954.8 | 1800.4 | 1747.8 |
| 100°   | 266.0  | 386.3  | 506.7  | 536.8  | 1189.4 | 2059.4 | 2494.5 | 2502.1 | 2517.1 | 2528.3 | 2465.6 |
| 102.5° | 321.6  | 433.9  | 546.2  | 574.3  | 1236.2 | 2118.6 | 2559.8 | 2690.9 | 2953.1 | 3149.8 | 3096.1 |
| 105°   | 416.0  | 511.1  | 606.2  | 629.9  | 1270.8 | 2125.3 | 2552.5 | 2846.5 | 3434.4 | 3875.3 | 3846.4 |
| 107.5° | 512.7  | 601.4  | 690.0  | 712.2  | 1277.2 | 2030.6 | 2407.4 | 2817.5 | 3637.5 | 4252.6 | 4259.5 |
| 110°   | 578.0  | 658.0  | 738.1  | 758.1  | 1267.5 | 1946.8 | 2286.5 | 2744.9 | 3661.7 | 4349.3 | 4379.4 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 642.1  | 718.4  | 794.7  | 813.8  | 1268.0 | 1873.7 | 2176.5 | 2645.7 | 3583.9 | 4287.6 | 4333.9 |
| 115°   | 738.8  | 809.2  | 879.6  | 897.2  | 1279.7 | 1789.6 | 2044.7 | 2496.6 | 3400.5 | 4078.4 | 4142.5 |
| 117.5° | 834.3  | 898.3  | 962.2  | 978.2  | 1303.5 | 1737.1 | 1954.0 | 2361.8 | 3177.6 | 3789.5 | 3860.5 |
| 120°   | 889.9  | 950.1  | 1010.4 | 1025.4 | 1322.9 | 1719.5 | 1917.7 | 2290.4 | 3035.8 | 3594.8 | 3663.9 |
| 122.5° | 944.4  | 1005.1 | 1065.8 | 1081.0 | 1350.7 | 1710.2 | 1889.9 | 2225.5 | 2896.7 | 3400.1 | 3468.2 |
| 125°   | 1027.8 | 1083.1 | 1138.5 | 1152.3 | 1388.1 | 1702.5 | 1859.7 | 2144.8 | 2714.9 | 3142.6 | 3205.3 |
| 127.5° | 1095.5 | 1151.4 | 1207.3 | 1221.2 | 1425.6 | 1698.1 | 1834.3 | 2079.1 | 2568.6 | 2935.8 | 2988.7 |
| 130°   | 1131.8 | 1192.0 | 1252.1 | 1267.2 | 1453.0 | 1700.8 | 1824.6 | 2042.6 | 2478.4 | 2805.3 | 2854.2 |
| 132.5° | 1169.3 | 1229.5 | 1289.6 | 1304.7 | 1475.1 | 1702.4 | 1816.1 | 2011.2 | 2401.4 | 2694.0 | 2737.8 |
| 135°   | 1224.9 | 1279.7 | 1334.5 | 1348.2 | 1499.3 | 1700.9 | 1801.7 | 1965.0 | 2291.7 | 2536.7 | 2574.5 |
| 137.5° | 1281.7 | 1336.0 | 1390.2 | 1403.8 | 1535.6 | 1711.4 | 1799.2 | 1937.3 | 2213.6 | 2420.8 | 2451.7 |
| 140°   | 1328.9 | 1378.9 | 1428.8 | 1441.3 | 1557.8 | 1713.1 | 1790.7 | 1910.0 | 2148.7 | 2327.6 | 2356.5 |
| 142.5° | 1365.1 | 1411.3 | 1457.6 | 1469.1 | 1576.3 | 1719.2 | 1790.7 | 1895.6 | 2105.2 | 2262.3 | 2287.1 |
| 145°   | 1420.7 | 1461.1 | 1501.4 | 1511.4 | 1600.5 | 1719.3 | 1778.7 | 1864.4 | 2035.8 | 2164.4 | 2183.2 |
| 147.5° | 1476.4 | 1515.6 | 1554.9 | 1564.6 | 1636.0 | 1731.1 | 1778.7 | 1846.1 | 1981.0 | 2082.2 | 2097.8 |
| 150°   | 1512.6 | 1548.1 | 1583.5 | 1592.5 | 1654.6 | 1737.3 | 1778.7 | 1835.7 | 1949.5 | 2035.0 | 2047.6 |
| 152.5° | 1550.1 | 1577.0 | 1603.9 | 1610.6 | 1666.6 | 1741.3 | 1778.7 | 1827.3 | 1924.5 | 1997.5 | 2007.0 |
| 155°   | 1605.7 | 1625.6 | 1645.6 | 1650.5 | 1693.2 | 1750.2 | 1778.7 | 1817.4 | 1894.7 | 1952.7 | 1959.0 |
| 157.5° | 1646.8 | 1666.2 | 1685.6 | 1690.4 | 1719.9 | 1759.1 | 1778.7 | 1808.7 | 1868.9 | 1914.1 | 1918.5 |
| 160°   | 1674.6 | 1689.7 | 1704.8 | 1708.5 | 1731.9 | 1763.1 | 1778.7 | 1804.5 | 1856.0 | 1894.7 | 1897.2 |
| 162.5° | 1702.4 | 1713.7 | 1725.0 | 1727.8 | 1744.8 | 1767.4 | 1778.7 | 1800.4 | 1843.9 | 1876.6 | 1879.0 |
| 165°   | 1732.7 | 1742.8 | 1753.1 | 1755.6 | 1763.3 | 1773.6 | 1778.7 | 1794.3 | 1825.4 | 1848.8 | 1851.3 |
| 167.5° | 1760.5 | 1765.3 | 1770.2 | 1771.4 | 1777.8 | 1786.4 | 1790.7 | 1801.0 | 1821.4 | 1836.7 | 1837.8 |
| 170°   | 1778.7 | 1783.5 | 1788.4 | 1789.5 | 1789.9 | 1790.4 | 1790.7 | 1801.0 | 1821.4 | 1836.7 | 1836.7 |
| 172.5° | 1788.3 | 1789.4 | 1790.4 | 1790.7 | 1790.7 | 1790.7 | 1790.7 | 1798.8 | 1814.9 | 1827.0 | 1826.1 |
| 175°   | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1798.0 | 1793.1 | 1790.7 | 1795.8 | 1806.0 | 1813.7 | 1813.7 |
| 177.5° | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1798.9 | 1795.1 | 1793.1 | 1797.2 | 1805.2 | 1811.3 | 1810.2 |
| 180°   | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 |

TEST NUMBER: P935279

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-W2A-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 |
| 2.5°   | 4163.5 | 4152.0 | 4163.5 | 4155.8 | 4159.6 | 4148.1 | 4113.5 | 4102.0 | 4113.5 | 4125.0 | 4125.0 |
| 5°     | 4213.4 | 4205.8 | 4213.4 | 4213.4 | 4209.5 | 4201.9 | 4163.5 | 4155.8 | 4163.5 | 4167.3 | 4159.6 |
| 7.5°   | 4228.7 | 4217.3 | 4228.7 | 4221.1 | 4221.1 | 4213.4 | 4175.0 | 4167.3 | 4171.2 | 4182.7 | 4171.2 |
| 10°    | 4228.7 | 4217.3 | 4228.7 | 4224.9 | 4221.1 | 4213.4 | 4175.0 | 4159.6 | 4159.6 | 4171.2 | 4159.6 |
| 12.5°  | 4209.5 | 4201.9 | 4209.5 | 4201.9 | 4201.9 | 4194.2 | 4155.8 | 4140.4 | 4144.2 | 4148.1 | 4132.8 |
| 15°    | 4178.8 | 4167.3 | 4178.8 | 4171.2 | 4175.0 | 4163.5 | 4121.3 | 4105.8 | 4105.8 | 4113.5 | 4086.7 |
| 17.5°  | 4132.8 | 4117.4 | 4132.8 | 4128.9 | 4125.0 | 4117.4 | 4079.0 | 4063.6 | 4059.7 | 4063.6 | 4044.4 |
| 20°    | 4079.0 | 4067.5 | 4079.0 | 4075.1 | 4075.1 | 4059.7 | 4021.4 | 4002.2 | 4002.2 | 4002.2 | 3983.0 |
| 22.5°  | 3994.5 | 3983.0 | 3994.5 | 4002.2 | 4002.2 | 3998.3 | 3963.7 | 3936.9 | 3929.2 | 3929.2 | 3906.1 |
| 25°    | 3898.5 | 3886.9 | 3898.5 | 3898.5 | 3894.6 | 3898.5 | 3886.9 | 3871.5 | 3860.0 | 3848.5 | 3825.5 |
| 27.5°  | 3806.2 | 3798.6 | 3806.2 | 3798.6 | 3806.2 | 3794.7 | 3790.9 | 3787.0 | 3771.7 | 3760.2 | 3729.5 |
| 30°    | 3714.1 | 3706.4 | 3714.1 | 3706.4 | 3698.8 | 3691.0 | 3671.8 | 3664.2 | 3679.5 | 3671.8 | 3621.9 |
| 32.5°  | 3598.9 | 3591.2 | 3598.9 | 3598.9 | 3591.2 | 3591.2 | 3560.5 | 3549.0 | 3552.7 | 3575.8 | 3529.7 |
| 35°    | 3479.8 | 3468.2 | 3479.8 | 3476.0 | 3479.8 | 3468.2 | 3449.1 | 3445.2 | 3429.9 | 3456.7 | 3422.2 |
| 37.5°  | 3341.5 | 3330.0 | 3341.5 | 3341.5 | 3341.5 | 3349.3 | 3333.8 | 3322.3 | 3299.3 | 3333.8 | 3307.0 |
| 40°    | 3199.4 | 3184.0 | 3199.4 | 3195.6 | 3199.4 | 3207.1 | 3199.4 | 3191.7 | 3168.7 | 3195.6 | 3172.5 |
| 42.5°  | 3038.1 | 3034.2 | 3038.1 | 3042.0 | 3042.0 | 3057.3 | 3068.8 | 3053.4 | 3045.8 | 3026.6 | 3042.0 |
| 45°    | 2865.2 | 2857.6 | 2865.2 | 2873.0 | 2876.8 | 2884.4 | 2919.0 | 2919.0 | 2907.5 | 2876.8 | 2899.8 |
| 47.5°  | 2680.9 | 2661.7 | 2680.9 | 2704.0 | 2704.0 | 2715.4 | 2750.0 | 2777.0 | 2757.7 | 2719.3 | 2730.8 |
| 50°    | 2485.0 | 2488.9 | 2485.0 | 2500.4 | 2500.4 | 2542.7 | 2569.5 | 2596.4 | 2615.6 | 2569.5 | 2515.7 |
| 52.5°  | 2292.9 | 2289.2 | 2292.9 | 2304.5 | 2319.9 | 2339.1 | 2385.2 | 2412.0 | 2442.8 | 2415.9 | 2331.4 |
| 55°    | 2100.9 | 2108.6 | 2100.9 | 2104.8 | 2112.4 | 2124.0 | 2193.1 | 2220.0 | 2277.6 | 2243.0 | 2154.7 |
| 57.5°  | 1908.9 | 1897.4 | 1908.9 | 1916.6 | 1920.5 | 1931.9 | 1989.6 | 2039.5 | 2074.0 | 2077.9 | 1970.4 |
| 60°    | 1686.2 | 1670.7 | 1686.2 | 1720.7 | 1728.4 | 1736.1 | 1789.8 | 1836.0 | 1866.7 | 1878.2 | 1766.8 |
| 62.5°  | 1490.2 | 1463.4 | 1490.2 | 1513.3 | 1528.7 | 1547.9 | 1586.3 | 1655.4 | 1682.3 | 1686.2 | 1528.7 |
| 65°    | 1282.9 | 1271.3 | 1282.9 | 1328.9 | 1332.8 | 1355.8 | 1398.1 | 1448.0 | 1505.6 | 1497.9 | 1271.3 |
| 67.5°  | 1094.7 | 1094.7 | 1094.7 | 1125.4 | 1148.4 | 1159.9 | 1213.7 | 1236.7 | 1309.7 | 1317.5 | 1060.1 |
| 70°    | 921.8  | 917.9  | 921.8  | 944.9  | 960.2  | 987.1  | 1037.0 | 1063.9 | 1121.5 | 1140.7 | 860.4  |
| 72.5°  | 756.7  | 752.8  | 756.7  | 775.9  | 791.2  | 814.3  | 856.5  | 887.2  | 937.1  | 960.2  | 668.3  |
| 75°    | 610.7  | 603.0  | 610.7  | 626.1  | 622.2  | 652.9  | 687.5  | 718.2  | 764.3  | 779.7  | 495.4  |
| 77.5°  | 468.6  | 468.6  | 468.6  | 483.9  | 483.9  | 514.6  | 530.0  | 568.4  | 595.4  | 618.4  | 364.9  |
| 80°    | 349.5  | 345.6  | 349.5  | 353.4  | 353.4  | 368.7  | 395.6  | 422.5  | 445.5  | 445.5  | 249.6  |
| 82.5°  | 245.8  | 238.1  | 245.8  | 245.8  | 245.8  | 253.5  | 268.9  | 276.6  | 291.9  | 303.4  | 157.5  |
| 85°    | 153.6  | 153.6  | 153.6  | 157.5  | 153.6  | 161.3  | 165.1  | 172.9  | 172.9  | 165.1  | 96.0   |
| 87.5°  | 99.9   | 96.0   | 99.9   | 96.0   | 96.0   | 92.2   | 92.2   | 92.2   | 88.4   | 84.5   | 53.8   |
| 90°    | 45.9   | 45.9   | 45.9   | 45.9   | 45.9   | 61.2   | 81.7   | 91.9   | 79.0   | 53.2   | 33.8   |
| 92.5°  | 184.0  | 147.5  | 184.0  | 220.6  | 229.7  | 325.7  | 453.6  | 517.5  | 454.4  | 328.1  | 233.3  |
| 95°    | 641.5  | 530.8  | 641.5  | 752.1  | 779.9  | 1024.1 | 1349.8 | 1512.6 | 1277.5 | 807.3  | 454.7  |
| 97.5°  | 1537.1 | 1326.5 | 1537.1 | 1747.8 | 1800.4 | 1954.8 | 2160.6 | 2263.5 | 1871.4 | 1087.4 | 499.4  |
| 100°   | 2214.6 | 1963.7 | 2214.6 | 2465.6 | 2528.3 | 2517.1 | 2502.1 | 2494.5 | 2059.4 | 1189.4 | 536.8  |
| 102.5° | 2881.1 | 2666.2 | 2881.1 | 3096.1 | 3149.8 | 2953.1 | 2690.9 | 2559.8 | 2118.6 | 1236.2 | 574.3  |
| 105°   | 3730.8 | 3615.3 | 3730.8 | 3846.4 | 3875.3 | 3434.4 | 2846.5 | 2552.5 | 2125.3 | 1270.8 | 629.9  |
| 107.5° | 4287.5 | 4315.4 | 4287.5 | 4259.5 | 4252.6 | 3637.5 | 2817.5 | 2407.4 | 2030.6 | 1277.2 | 712.2  |
| 110°   | 4499.7 | 4620.2 | 4499.7 | 4379.4 | 4349.3 | 3661.7 | 2744.9 | 2286.5 | 1946.8 | 1267.5 | 758.1  |



TEST NUMBER: P935279

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-W2A-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 4518.7 | 4703.6 | 4518.7 | 4333.9 | 4287.6 | 3583.9 | 2645.7 | 2176.5 | 1873.7 | 1268.0 | 813.8  |
| 115°   | 4398.9 | 4655.2 | 4398.9 | 4142.5 | 4078.4 | 3400.5 | 2496.6 | 2044.7 | 1789.6 | 1279.7 | 897.2  |
| 117.5° | 4144.8 | 4429.1 | 4144.8 | 3860.5 | 3789.5 | 3177.6 | 2361.8 | 1954.0 | 1737.1 | 1303.5 | 978.2  |
| 120°   | 3940.1 | 4216.3 | 3940.1 | 3663.9 | 3594.8 | 3035.8 | 2290.4 | 1917.7 | 1719.5 | 1322.9 | 1025.4 |
| 122.5° | 3740.6 | 4013.1 | 3740.6 | 3468.2 | 3400.1 | 2896.7 | 2225.5 | 1889.9 | 1710.2 | 1350.7 | 1081.0 |
| 125°   | 3456.2 | 3707.2 | 3456.2 | 3205.3 | 3142.6 | 2714.9 | 2144.8 | 1859.7 | 1702.5 | 1388.1 | 1152.3 |
| 127.5° | 3200.5 | 3412.2 | 3200.5 | 2988.7 | 2935.8 | 2568.6 | 2079.1 | 1834.3 | 1698.1 | 1425.6 | 1221.2 |
| 130°   | 3049.7 | 3245.4 | 3049.7 | 2854.2 | 2805.3 | 2478.4 | 2042.6 | 1824.6 | 1700.8 | 1453.0 | 1267.2 |
| 132.5° | 2913.0 | 3088.2 | 2913.0 | 2737.8 | 2694.0 | 2401.4 | 2011.2 | 1816.1 | 1702.4 | 1475.1 | 1304.7 |
| 135°   | 2725.5 | 2876.6 | 2725.5 | 2574.5 | 2536.7 | 2291.7 | 1965.0 | 1801.7 | 1700.9 | 1499.3 | 1348.2 |
| 137.5° | 2575.2 | 2698.9 | 2575.2 | 2451.7 | 2420.8 | 2213.6 | 1937.3 | 1799.2 | 1711.4 | 1535.6 | 1403.8 |
| 140°   | 2472.1 | 2587.6 | 2472.1 | 2356.5 | 2327.6 | 2148.7 | 1910.0 | 1790.7 | 1713.1 | 1557.8 | 1441.3 |
| 142.5° | 2386.6 | 2486.0 | 2386.6 | 2287.1 | 2262.3 | 2105.2 | 1895.6 | 1790.7 | 1719.2 | 1576.3 | 1469.1 |
| 145°   | 2258.4 | 2333.6 | 2258.4 | 2183.2 | 2164.4 | 2035.8 | 1864.4 | 1778.7 | 1719.3 | 1600.5 | 1511.4 |
| 147.5° | 2160.1 | 2222.4 | 2160.1 | 2097.8 | 2082.2 | 1981.0 | 1846.1 | 1778.7 | 1731.1 | 1636.0 | 1564.6 |
| 150°   | 2098.2 | 2148.7 | 2098.2 | 2047.6 | 2035.0 | 1949.5 | 1835.7 | 1778.7 | 1737.3 | 1654.6 | 1592.5 |
| 152.5° | 2045.2 | 2083.4 | 2045.2 | 2007.0 | 1997.5 | 1924.5 | 1827.3 | 1778.7 | 1741.3 | 1666.6 | 1610.6 |
| 155°   | 1984.3 | 2009.6 | 1984.3 | 1959.0 | 1952.7 | 1894.7 | 1817.4 | 1778.7 | 1750.2 | 1693.2 | 1650.5 |
| 157.5° | 1936.3 | 1954.0 | 1936.3 | 1918.5 | 1914.1 | 1868.9 | 1808.7 | 1778.7 | 1759.1 | 1719.9 | 1690.4 |
| 160°   | 1907.5 | 1917.7 | 1907.5 | 1897.2 | 1894.7 | 1856.0 | 1804.5 | 1778.7 | 1763.1 | 1731.9 | 1708.5 |
| 162.5° | 1888.7 | 1898.4 | 1888.7 | 1879.0 | 1876.6 | 1843.9 | 1800.4 | 1778.7 | 1767.4 | 1744.8 | 1727.8 |
| 165°   | 1861.5 | 1871.7 | 1861.5 | 1851.3 | 1848.8 | 1825.4 | 1794.3 | 1778.7 | 1773.6 | 1763.3 | 1755.6 |
| 167.5° | 1842.1 | 1846.3 | 1842.1 | 1837.8 | 1836.7 | 1821.4 | 1801.0 | 1790.7 | 1786.4 | 1777.8 | 1771.4 |
| 170°   | 1836.7 | 1836.7 | 1836.7 | 1836.7 | 1836.7 | 1821.4 | 1801.0 | 1790.7 | 1790.4 | 1789.9 | 1789.5 |
| 172.5° | 1822.3 | 1818.5 | 1822.3 | 1826.1 | 1827.0 | 1814.9 | 1798.8 | 1790.7 | 1790.7 | 1790.7 | 1790.7 |
| 175°   | 1813.7 | 1813.7 | 1813.7 | 1813.7 | 1813.7 | 1806.0 | 1795.8 | 1790.7 | 1793.1 | 1798.0 | 1801.7 |
| 177.5° | 1805.9 | 1801.7 | 1805.9 | 1810.2 | 1811.3 | 1805.2 | 1797.2 | 1793.1 | 1795.1 | 1798.9 | 1801.7 |
| 180°   | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 |

TEST NUMBER: P935279

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-W2A-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 |
| 2.5°   | 4117.4 | 4094.3 | 4094.3 | 4055.9 | 4040.5 | 4029.0 | 4009.8 | 3952.3 | 3936.9 | 3921.4 | 3944.5 |
| 5°     | 4152.0 | 4109.7 | 4079.0 | 4009.8 | 3952.3 | 3929.2 | 3856.2 | 3718.0 | 3625.7 | 3556.6 | 3518.2 |
| 7.5°   | 4159.6 | 4105.8 | 4048.2 | 3940.7 | 3802.5 | 3741.0 | 3518.2 | 3264.8 | 3195.6 | 3134.1 | 3095.7 |
| 10°    | 4152.0 | 4090.5 | 4009.8 | 3848.5 | 3522.0 | 3414.5 | 3191.7 | 3026.6 | 2984.3 | 2972.8 | 2984.3 |
| 12.5°  | 4125.0 | 4067.5 | 3956.0 | 3687.2 | 3230.2 | 3157.2 | 3026.6 | 2930.5 | 2922.9 | 2942.1 | 3045.8 |
| 15°    | 4079.0 | 4025.2 | 3894.6 | 3472.1 | 3068.8 | 3015.0 | 2922.9 | 2888.3 | 2930.5 | 3064.9 | 3376.1 |
| 17.5°  | 4032.9 | 3971.4 | 3810.1 | 3260.9 | 2946.0 | 2907.5 | 2842.2 | 2911.4 | 3149.4 | 3330.0 | 3433.7 |
| 20°    | 3971.4 | 3898.5 | 3714.1 | 3107.2 | 2857.6 | 2823.0 | 2792.3 | 3103.4 | 3283.9 | 3349.3 | 3406.8 |
| 22.5°  | 3898.5 | 3821.6 | 3583.5 | 2999.7 | 2765.4 | 2738.5 | 2757.7 | 3211.0 | 3283.9 | 3330.0 | 3380.0 |
| 25°    | 3802.5 | 3737.1 | 3429.9 | 2915.2 | 2692.5 | 2661.7 | 2734.7 | 3199.4 | 3241.7 | 3253.2 | 3353.0 |
| 27.5°  | 3714.1 | 3629.6 | 3268.5 | 2838.4 | 2604.1 | 2592.6 | 2753.9 | 3149.4 | 3180.3 | 3191.7 | 3299.3 |
| 30°    | 3606.5 | 3479.8 | 3088.0 | 2757.7 | 2511.9 | 2508.1 | 2757.7 | 3088.0 | 3080.4 | 3111.1 | 3218.6 |
| 32.5°  | 3495.2 | 3257.0 | 2884.4 | 2657.9 | 2423.6 | 2419.7 | 2730.8 | 2995.9 | 2988.2 | 3030.5 | 3111.1 |
| 35°    | 3391.5 | 3084.2 | 2608.0 | 2542.7 | 2312.2 | 2316.0 | 2665.5 | 2888.3 | 2892.2 | 2930.5 | 2980.5 |
| 37.5°  | 3283.9 | 2934.4 | 2304.5 | 2415.9 | 2204.7 | 2204.7 | 2577.2 | 2788.5 | 2780.7 | 2792.3 | 2861.5 |
| 40°    | 3157.2 | 2700.1 | 2035.7 | 2250.7 | 2104.8 | 2093.2 | 2469.7 | 2680.9 | 2654.0 | 2650.2 | 2746.2 |
| 42.5°  | 3022.7 | 2442.8 | 1836.0 | 2031.8 | 1989.6 | 1974.1 | 2339.1 | 2550.3 | 2500.4 | 2511.9 | 2634.8 |
| 45°    | 2876.8 | 2373.7 | 1682.3 | 1716.9 | 1870.5 | 1858.9 | 2196.9 | 2400.5 | 2365.9 | 2396.7 | 2523.5 |
| 47.5°  | 2730.8 | 2235.4 | 1632.4 | 1424.9 | 1743.7 | 1739.9 | 2039.5 | 2254.6 | 2235.4 | 2266.1 | 2400.5 |
| 50°    | 2531.1 | 2081.7 | 1628.5 | 1221.4 | 1601.7 | 1617.0 | 1851.3 | 2112.4 | 2112.4 | 2139.4 | 2281.4 |
| 52.5°  | 2273.8 | 1893.5 | 1478.7 | 1106.1 | 1436.4 | 1482.6 | 1686.2 | 1989.6 | 1997.2 | 2024.1 | 2150.9 |
| 55°    | 2039.5 | 1697.7 | 1371.1 | 1017.8 | 1240.6 | 1340.4 | 1524.8 | 1862.8 | 1878.2 | 1905.1 | 2020.3 |
| 57.5°  | 1824.4 | 1413.4 | 1348.2 | 914.2  | 1060.1 | 1156.1 | 1382.7 | 1739.9 | 1747.6 | 1770.7 | 1882.0 |
| 60°    | 1593.9 | 1021.6 | 1236.7 | 802.7  | 902.6  | 975.6  | 1252.1 | 1593.9 | 1620.8 | 1636.2 | 1732.2 |
| 62.5°  | 1332.8 | 741.3  | 1121.5 | 725.9  | 825.8  | 841.2  | 1144.6 | 1455.6 | 1490.2 | 1501.8 | 1559.4 |
| 65°    | 948.7  | 622.2  | 952.5  | 660.7  | 745.2  | 748.9  | 1029.4 | 1313.6 | 1344.3 | 1363.5 | 1405.7 |
| 67.5°  | 641.4  | 507.0  | 725.9  | 599.1  | 683.6  | 687.5  | 917.9  | 1148.4 | 1190.6 | 1206.0 | 1233.0 |
| 70°    | 445.5  | 338.0  | 537.7  | 533.9  | 614.5  | 622.2  | 798.9  | 998.7  | 1037.0 | 1048.6 | 1063.9 |
| 72.5°  | 326.5  | 272.7  | 445.5  | 480.1  | 541.6  | 549.2  | 676.0  | 829.7  | 868.0  | 879.6  | 887.2  |
| 75°    | 249.6  | 288.1  | 361.0  | 418.6  | 460.9  | 464.7  | 553.1  | 676.0  | 702.9  | 710.6  | 714.3  |
| 77.5°  | 199.7  | 268.9  | 265.0  | 338.0  | 376.4  | 368.7  | 434.0  | 522.4  | 545.4  | 545.4  | 545.4  |
| 80°    | 149.8  | 211.2  | 199.7  | 242.0  | 276.6  | 268.9  | 311.1  | 372.6  | 380.2  | 387.9  | 384.1  |
| 82.5°  | 111.3  | 134.4  | 134.4  | 153.6  | 184.4  | 176.6  | 207.4  | 242.0  | 242.0  | 242.0  | 249.6  |
| 85°    | 69.1   | 76.8   | 61.4   | 80.6   | 103.7  | 99.9   | 115.2  | 130.6  | 134.4  | 134.4  | 126.7  |
| 87.5°  | 42.2   | 34.6   | 19.2   | 30.7   | 46.1   | 46.1   | 53.8   | 57.7   | 53.8   | 53.8   | 53.8   |
| 90°    | 31.4   | 21.8   | 12.1   | 21.8   | 31.4   | 33.8   | 53.2   | 79.0   | 91.9   | 81.7   | 61.2   |
| 92.5°  | 212.8  | 130.5  | 48.4   | 130.5  | 212.8  | 233.3  | 328.1  | 454.4  | 517.5  | 453.6  | 325.7  |
| 95°    | 417.1  | 266.6  | 116.1  | 266.6  | 417.1  | 454.7  | 807.3  | 1277.5 | 1512.6 | 1349.8 | 1024.1 |
| 97.5°  | 466.2  | 333.4  | 200.7  | 333.4  | 466.2  | 499.4  | 1087.4 | 1871.4 | 2263.5 | 2160.6 | 1954.8 |
| 100°   | 506.7  | 386.3  | 266.0  | 386.3  | 506.7  | 536.8  | 1189.4 | 2059.4 | 2494.5 | 2502.1 | 2517.1 |
| 102.5° | 546.2  | 433.9  | 321.6  | 433.9  | 546.2  | 574.3  | 1236.2 | 2118.6 | 2559.8 | 2690.9 | 2953.1 |
| 105°   | 606.2  | 511.1  | 416.0  | 511.1  | 606.2  | 629.9  | 1270.8 | 2125.3 | 2552.5 | 2846.5 | 3434.4 |
| 107.5° | 690.0  | 601.4  | 512.7  | 601.4  | 690.0  | 712.2  | 1277.2 | 2030.6 | 2407.4 | 2817.5 | 3637.5 |
| 110°   | 738.1  | 658.0  | 578.0  | 658.0  | 738.1  | 758.1  | 1267.5 | 1946.8 | 2286.5 | 2744.9 | 3661.7 |

TEST NUMBER: P935279

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-W2A-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 794.7  | 718.4  | 642.1  | 718.4  | 794.7  | 813.8  | 1268.0 | 1873.7 | 2176.5 | 2645.7 | 3583.9 |
| 115°   | 879.6  | 809.2  | 738.8  | 809.2  | 879.6  | 897.2  | 1279.7 | 1789.6 | 2044.7 | 2496.6 | 3400.5 |
| 117.5° | 962.2  | 898.3  | 834.3  | 898.3  | 962.2  | 978.2  | 1303.5 | 1737.1 | 1954.0 | 2361.8 | 3177.6 |
| 120°   | 1010.4 | 950.1  | 889.9  | 950.1  | 1010.4 | 1025.4 | 1322.9 | 1719.5 | 1917.7 | 2290.4 | 3035.8 |
| 122.5° | 1065.8 | 1005.1 | 944.4  | 1005.1 | 1065.8 | 1081.0 | 1350.7 | 1710.2 | 1889.9 | 2225.5 | 2896.7 |
| 125°   | 1138.5 | 1083.1 | 1027.8 | 1083.1 | 1138.5 | 1152.3 | 1388.1 | 1702.5 | 1859.7 | 2144.8 | 2714.9 |
| 127.5° | 1207.3 | 1151.4 | 1095.5 | 1151.4 | 1207.3 | 1221.2 | 1425.6 | 1698.1 | 1834.3 | 2079.1 | 2568.6 |
| 130°   | 1252.1 | 1192.0 | 1131.8 | 1192.0 | 1252.1 | 1267.2 | 1453.0 | 1700.8 | 1824.6 | 2042.6 | 2478.4 |
| 132.5° | 1289.6 | 1229.5 | 1169.3 | 1229.5 | 1289.6 | 1304.7 | 1475.1 | 1702.4 | 1816.1 | 2011.2 | 2401.4 |
| 135°   | 1334.5 | 1279.7 | 1224.9 | 1279.7 | 1334.5 | 1348.2 | 1499.3 | 1700.9 | 1801.7 | 1965.0 | 2291.7 |
| 137.5° | 1390.2 | 1336.0 | 1281.7 | 1336.0 | 1390.2 | 1403.8 | 1535.6 | 1711.4 | 1799.2 | 1937.3 | 2213.6 |
| 140°   | 1428.8 | 1378.9 | 1328.9 | 1378.9 | 1428.8 | 1441.3 | 1557.8 | 1713.1 | 1790.7 | 1910.0 | 2148.7 |
| 142.5° | 1457.6 | 1411.3 | 1365.1 | 1411.3 | 1457.6 | 1469.1 | 1576.3 | 1719.2 | 1790.7 | 1895.6 | 2105.2 |
| 145°   | 1501.4 | 1461.1 | 1420.7 | 1461.1 | 1501.4 | 1511.4 | 1600.5 | 1719.3 | 1778.7 | 1864.4 | 2035.8 |
| 147.5° | 1554.9 | 1515.6 | 1476.4 | 1515.6 | 1554.9 | 1564.6 | 1636.0 | 1731.1 | 1778.7 | 1846.1 | 1981.0 |
| 150°   | 1583.5 | 1548.1 | 1512.6 | 1548.1 | 1583.5 | 1592.5 | 1654.6 | 1737.3 | 1778.7 | 1835.7 | 1949.5 |
| 152.5° | 1603.9 | 1577.0 | 1550.1 | 1577.0 | 1603.9 | 1610.6 | 1666.6 | 1741.3 | 1778.7 | 1827.3 | 1924.5 |
| 155°   | 1645.6 | 1625.6 | 1605.7 | 1625.6 | 1645.6 | 1650.5 | 1693.2 | 1750.2 | 1778.7 | 1817.4 | 1894.7 |
| 157.5° | 1685.6 | 1666.2 | 1646.8 | 1666.2 | 1685.6 | 1690.4 | 1719.9 | 1759.1 | 1778.7 | 1808.7 | 1868.9 |
| 160°   | 1704.8 | 1689.7 | 1674.6 | 1689.7 | 1704.8 | 1708.5 | 1731.9 | 1763.1 | 1778.7 | 1804.5 | 1856.0 |
| 162.5° | 1725.0 | 1713.7 | 1702.4 | 1713.7 | 1725.0 | 1727.8 | 1744.8 | 1767.4 | 1778.7 | 1800.4 | 1843.9 |
| 165°   | 1753.1 | 1742.8 | 1732.7 | 1742.8 | 1753.1 | 1755.6 | 1763.3 | 1773.6 | 1778.7 | 1794.3 | 1825.4 |
| 167.5° | 1770.2 | 1765.3 | 1760.5 | 1765.3 | 1770.2 | 1771.4 | 1777.8 | 1786.4 | 1790.7 | 1801.0 | 1821.4 |
| 170°   | 1788.4 | 1783.5 | 1778.7 | 1783.5 | 1788.4 | 1789.5 | 1789.9 | 1790.4 | 1790.7 | 1801.0 | 1821.4 |
| 172.5° | 1790.4 | 1789.4 | 1788.3 | 1789.4 | 1790.4 | 1790.7 | 1790.7 | 1790.7 | 1790.7 | 1798.8 | 1814.9 |
| 175°   | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1798.0 | 1793.1 | 1790.7 | 1795.8 | 1806.0 |
| 177.5° | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1798.9 | 1795.1 | 1793.1 | 1797.2 | 1805.2 |
| 180°   | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 |
| 2.5°   | 3917.7 | 3906.1 | 3921.4 | 3879.2 | 3921.4 | 3906.1 | 3917.7 | 3944.5 | 3921.4 | 3936.9 | 3952.3 |
| 5°     | 3437.5 | 3418.3 | 3356.9 | 3307.0 | 3356.9 | 3418.3 | 3437.5 | 3518.2 | 3556.6 | 3625.7 | 3718.0 |
| 7.5°   | 3072.7 | 3057.3 | 3042.0 | 3011.2 | 3042.0 | 3057.3 | 3072.7 | 3095.7 | 3134.1 | 3195.6 | 3264.8 |
| 10°    | 2992.0 | 2995.9 | 3018.9 | 3015.0 | 3018.9 | 2995.9 | 2992.0 | 2984.3 | 2972.8 | 2984.3 | 3026.6 |
| 12.5°  | 3199.4 | 3233.9 | 3360.7 | 3353.0 | 3360.7 | 3233.9 | 3199.4 | 3045.8 | 2942.1 | 2922.9 | 2930.5 |
| 15°    | 3437.5 | 3449.1 | 3476.0 | 3479.8 | 3476.0 | 3449.1 | 3437.5 | 3376.1 | 3064.9 | 2930.5 | 2888.3 |
| 17.5°  | 3460.6 | 3464.5 | 3483.7 | 3483.7 | 3483.7 | 3464.5 | 3460.6 | 3433.7 | 3330.0 | 3149.4 | 2911.4 |
| 20°    | 3441.4 | 3449.1 | 3487.4 | 3495.2 | 3487.4 | 3449.1 | 3441.4 | 3406.8 | 3349.3 | 3283.9 | 3103.4 |
| 22.5°  | 3433.7 | 3449.1 | 3479.8 | 3476.0 | 3479.8 | 3449.1 | 3433.7 | 3380.0 | 3330.0 | 3283.9 | 3211.0 |
| 25°    | 3395.3 | 3395.3 | 3399.2 | 3402.9 | 3399.2 | 3395.3 | 3395.3 | 3353.0 | 3253.2 | 3241.7 | 3199.4 |
| 27.5°  | 3314.7 | 3322.3 | 3345.4 | 3341.5 | 3345.4 | 3322.3 | 3314.7 | 3299.3 | 3191.7 | 3180.3 | 3149.4 |
| 30°    | 3241.7 | 3233.9 | 3214.8 | 3199.4 | 3214.8 | 3233.9 | 3241.7 | 3218.6 | 3111.1 | 3080.4 | 3088.0 |
| 32.5°  | 3118.7 | 3099.5 | 3080.4 | 3068.8 | 3080.4 | 3099.5 | 3118.7 | 3111.1 | 3030.5 | 2988.2 | 2995.9 |
| 35°    | 2972.8 | 2976.7 | 2972.8 | 2961.3 | 2972.8 | 2976.7 | 2972.8 | 2980.5 | 2930.5 | 2892.2 | 2888.3 |
| 37.5°  | 2869.1 | 2876.8 | 2873.0 | 2857.6 | 2873.0 | 2876.8 | 2869.1 | 2861.5 | 2792.3 | 2780.7 | 2788.5 |
| 40°    | 2761.6 | 2765.4 | 2761.6 | 2750.0 | 2761.6 | 2765.4 | 2761.6 | 2746.2 | 2650.2 | 2654.0 | 2680.9 |
| 42.5°  | 2657.9 | 2654.0 | 2642.5 | 2634.8 | 2642.5 | 2654.0 | 2657.9 | 2634.8 | 2511.9 | 2500.4 | 2550.3 |
| 45°    | 2538.8 | 2542.7 | 2519.6 | 2508.1 | 2519.6 | 2542.7 | 2538.8 | 2523.5 | 2396.7 | 2365.9 | 2400.5 |
| 47.5°  | 2419.7 | 2419.7 | 2400.5 | 2389.0 | 2400.5 | 2419.7 | 2419.7 | 2400.5 | 2266.1 | 2235.4 | 2254.6 |
| 50°    | 2292.9 | 2289.2 | 2262.2 | 2258.4 | 2262.2 | 2289.2 | 2292.9 | 2281.4 | 2139.4 | 2112.4 | 2112.4 |
| 52.5°  | 2147.0 | 2147.0 | 2150.9 | 2158.5 | 2150.9 | 2147.0 | 2147.0 | 2150.9 | 2024.1 | 1997.2 | 1989.6 |
| 55°    | 2020.3 | 2024.1 | 2051.0 | 2058.6 | 2051.0 | 2024.1 | 2020.3 | 2020.3 | 1905.1 | 1878.2 | 1862.8 |
| 57.5°  | 1889.6 | 1889.6 | 1908.9 | 1908.9 | 1908.9 | 1889.6 | 1889.6 | 1882.0 | 1770.7 | 1747.6 | 1739.9 |
| 60°    | 1739.9 | 1747.6 | 1762.9 | 1759.1 | 1762.9 | 1747.6 | 1739.9 | 1732.2 | 1636.2 | 1620.8 | 1593.9 |
| 62.5°  | 1582.4 | 1590.1 | 1593.9 | 1586.3 | 1593.9 | 1590.1 | 1582.4 | 1559.4 | 1501.8 | 1490.2 | 1455.6 |
| 65°    | 1417.3 | 1424.9 | 1428.8 | 1421.1 | 1428.8 | 1424.9 | 1417.3 | 1405.7 | 1363.5 | 1344.3 | 1313.6 |
| 67.5°  | 1248.3 | 1244.4 | 1240.6 | 1255.9 | 1240.6 | 1244.4 | 1248.3 | 1233.0 | 1206.0 | 1190.6 | 1148.4 |
| 70°    | 1075.4 | 1075.4 | 1071.6 | 1079.3 | 1071.6 | 1075.4 | 1075.4 | 1063.9 | 1048.6 | 1037.0 | 998.7  |
| 72.5°  | 891.1  | 887.2  | 902.6  | 891.1  | 902.6  | 887.2  | 891.1  | 887.2  | 879.6  | 868.0  | 829.7  |
| 75°    | 710.6  | 718.2  | 710.6  | 722.1  | 710.6  | 718.2  | 710.6  | 714.3  | 710.6  | 702.9  | 676.0  |
| 77.5°  | 541.6  | 549.2  | 541.6  | 541.6  | 541.6  | 549.2  | 541.6  | 545.4  | 545.4  | 545.4  | 522.4  |
| 80°    | 384.1  | 380.2  | 380.2  | 376.4  | 380.2  | 380.2  | 384.1  | 384.1  | 387.9  | 380.2  | 372.6  |
| 82.5°  | 245.8  | 242.0  | 242.0  | 249.6  | 242.0  | 242.0  | 245.8  | 249.6  | 242.0  | 242.0  | 242.0  |
| 85°    | 134.4  | 138.3  | 130.6  | 130.6  | 130.6  | 138.3  | 134.4  | 126.7  | 134.4  | 134.4  | 130.6  |
| 87.5°  | 49.9   | 46.1   | 46.1   | 46.1   | 46.1   | 46.1   | 49.9   | 53.8   | 53.8   | 53.8   | 57.7   |
| 90°    | 45.9   | 45.9   | 45.9   | 45.9   | 45.9   | 45.9   | 45.9   | 61.2   | 81.7   | 91.9   | 79.0   |
| 92.5°  | 229.7  | 220.6  | 184.0  | 147.5  | 184.0  | 220.6  | 229.7  | 325.7  | 453.6  | 517.5  | 454.4  |
| 95°    | 779.9  | 752.1  | 641.5  | 530.8  | 641.5  | 752.1  | 779.9  | 1024.1 | 1349.8 | 1512.6 | 1277.5 |
| 97.5°  | 1800.4 | 1747.8 | 1537.1 | 1326.5 | 1537.1 | 1747.8 | 1800.4 | 1954.8 | 2160.6 | 2263.5 | 1871.4 |
| 100°   | 2528.3 | 2465.6 | 2214.6 | 1963.7 | 2214.6 | 2465.6 | 2528.3 | 2517.1 | 2502.1 | 2494.5 | 2059.4 |
| 102.5° | 3149.8 | 3096.1 | 2881.1 | 2666.2 | 2881.1 | 3096.1 | 3149.8 | 2953.1 | 2690.9 | 2559.8 | 2118.6 |
| 105°   | 3875.3 | 3846.4 | 3730.8 | 3615.3 | 3730.8 | 3846.4 | 3875.3 | 3434.4 | 2846.5 | 2552.5 | 2125.3 |
| 107.5° | 4252.6 | 4259.5 | 4287.5 | 4315.4 | 4287.5 | 4259.5 | 4252.6 | 3637.5 | 2817.5 | 2407.4 | 2030.6 |
| 110°   | 4349.3 | 4379.4 | 4499.7 | 4620.2 | 4499.7 | 4379.4 | 4349.3 | 3661.7 | 2744.9 | 2286.5 | 1946.8 |

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**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 4287.6 | 4333.9 | 4518.7 | 4703.6 | 4518.7 | 4333.9 | 4287.6 | 3583.9 | 2645.7 | 2176.5 | 1873.7 |
| 115°   | 4078.4 | 4142.5 | 4398.9 | 4655.2 | 4398.9 | 4142.5 | 4078.4 | 3400.5 | 2496.6 | 2044.7 | 1789.6 |
| 117.5° | 3789.5 | 3860.5 | 4144.8 | 4429.1 | 4144.8 | 3860.5 | 3789.5 | 3177.6 | 2361.8 | 1954.0 | 1737.1 |
| 120°   | 3594.8 | 3663.9 | 3940.1 | 4216.3 | 3940.1 | 3663.9 | 3594.8 | 3035.8 | 2290.4 | 1917.7 | 1719.5 |
| 122.5° | 3400.1 | 3468.2 | 3740.6 | 4013.1 | 3740.6 | 3468.2 | 3400.1 | 2896.7 | 2225.5 | 1889.9 | 1710.2 |
| 125°   | 3142.6 | 3205.3 | 3456.2 | 3707.2 | 3456.2 | 3205.3 | 3142.6 | 2714.9 | 2144.8 | 1859.7 | 1702.5 |
| 127.5° | 2935.8 | 2988.7 | 3200.5 | 3412.2 | 3200.5 | 2988.7 | 2935.8 | 2568.6 | 2079.1 | 1834.3 | 1698.1 |
| 130°   | 2805.3 | 2854.2 | 3049.7 | 3245.4 | 3049.7 | 2854.2 | 2805.3 | 2478.4 | 2042.6 | 1824.6 | 1700.8 |
| 132.5° | 2694.0 | 2737.8 | 2913.0 | 3088.2 | 2913.0 | 2737.8 | 2694.0 | 2401.4 | 2011.2 | 1816.1 | 1702.4 |
| 135°   | 2536.7 | 2574.5 | 2725.5 | 2876.6 | 2725.5 | 2574.5 | 2536.7 | 2291.7 | 1965.0 | 1801.7 | 1700.9 |
| 137.5° | 2420.8 | 2451.7 | 2575.2 | 2698.9 | 2575.2 | 2451.7 | 2420.8 | 2213.6 | 1937.3 | 1799.2 | 1711.4 |
| 140°   | 2327.6 | 2356.5 | 2472.1 | 2587.6 | 2472.1 | 2356.5 | 2327.6 | 2148.7 | 1910.0 | 1790.7 | 1713.1 |
| 142.5° | 2262.3 | 2287.1 | 2386.6 | 2486.0 | 2386.6 | 2287.1 | 2262.3 | 2105.2 | 1895.6 | 1790.7 | 1719.2 |
| 145°   | 2164.4 | 2183.2 | 2258.4 | 2333.6 | 2258.4 | 2183.2 | 2164.4 | 2035.8 | 1864.4 | 1778.7 | 1719.3 |
| 147.5° | 2082.2 | 2097.8 | 2160.1 | 2222.4 | 2160.1 | 2097.8 | 2082.2 | 1981.0 | 1846.1 | 1778.7 | 1731.1 |
| 150°   | 2035.0 | 2047.6 | 2098.2 | 2148.7 | 2098.2 | 2047.6 | 2035.0 | 1949.5 | 1835.7 | 1778.7 | 1737.3 |
| 152.5° | 1997.5 | 2007.0 | 2045.2 | 2083.4 | 2045.2 | 2007.0 | 1997.5 | 1924.5 | 1827.3 | 1778.7 | 1741.3 |
| 155°   | 1952.7 | 1959.0 | 1984.3 | 2009.6 | 1984.3 | 1959.0 | 1952.7 | 1894.7 | 1817.4 | 1778.7 | 1750.2 |
| 157.5° | 1914.1 | 1918.5 | 1936.3 | 1954.0 | 1936.3 | 1918.5 | 1914.1 | 1868.9 | 1808.7 | 1778.7 | 1759.1 |
| 160°   | 1894.7 | 1897.2 | 1907.5 | 1917.7 | 1907.5 | 1897.2 | 1894.7 | 1856.0 | 1804.5 | 1778.7 | 1763.1 |
| 162.5° | 1876.6 | 1879.0 | 1888.7 | 1898.4 | 1888.7 | 1879.0 | 1876.6 | 1843.9 | 1800.4 | 1778.7 | 1767.4 |
| 165°   | 1848.8 | 1851.3 | 1861.5 | 1871.7 | 1861.5 | 1851.3 | 1848.8 | 1825.4 | 1794.3 | 1778.7 | 1773.6 |
| 167.5° | 1836.7 | 1837.8 | 1842.1 | 1846.3 | 1842.1 | 1837.8 | 1836.7 | 1821.4 | 1801.0 | 1790.7 | 1786.4 |
| 170°   | 1836.7 | 1836.7 | 1836.7 | 1836.7 | 1836.7 | 1836.7 | 1836.7 | 1821.4 | 1801.0 | 1790.7 | 1790.4 |
| 172.5° | 1827.0 | 1826.1 | 1822.3 | 1818.5 | 1822.3 | 1826.1 | 1827.0 | 1814.9 | 1798.8 | 1790.7 | 1790.7 |
| 175°   | 1813.7 | 1813.7 | 1813.7 | 1813.7 | 1813.7 | 1813.7 | 1813.7 | 1806.0 | 1795.8 | 1790.7 | 1793.1 |
| 177.5° | 1811.3 | 1810.2 | 1805.9 | 1801.7 | 1805.9 | 1810.2 | 1811.3 | 1805.2 | 1797.2 | 1793.1 | 1795.1 |
| 180°   | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 0°     | 4059.7 | 4059.7 | 4059.7 | 4059.7 | 4059.7 |
| 2.5°   | 4009.8 | 4029.0 | 4040.5 | 4055.9 | 4094.3 |
| 5°     | 3856.2 | 3929.2 | 3952.3 | 4009.8 | 4079.0 |
| 7.5°   | 3518.2 | 3741.0 | 3802.5 | 3940.7 | 4048.2 |
| 10°    | 3191.7 | 3414.5 | 3522.0 | 3848.5 | 4009.8 |
| 12.5°  | 3026.6 | 3157.2 | 3230.2 | 3687.2 | 3956.0 |
| 15°    | 2922.9 | 3015.0 | 3068.8 | 3472.1 | 3894.6 |
| 17.5°  | 2842.2 | 2907.5 | 2946.0 | 3260.9 | 3810.1 |
| 20°    | 2792.3 | 2823.0 | 2857.6 | 3107.2 | 3714.1 |
| 22.5°  | 2757.7 | 2738.5 | 2765.4 | 2999.7 | 3583.5 |
| 25°    | 2734.7 | 2661.7 | 2692.5 | 2915.2 | 3429.9 |
| 27.5°  | 2753.9 | 2592.6 | 2604.1 | 2838.4 | 3268.5 |
| 30°    | 2757.7 | 2508.1 | 2511.9 | 2757.7 | 3088.0 |
| 32.5°  | 2730.8 | 2419.7 | 2423.6 | 2657.9 | 2884.4 |
| 35°    | 2665.5 | 2316.0 | 2312.2 | 2542.7 | 2608.0 |
| 37.5°  | 2577.2 | 2204.7 | 2204.7 | 2415.9 | 2304.5 |
| 40°    | 2469.7 | 2093.2 | 2104.8 | 2250.7 | 2035.7 |
| 42.5°  | 2339.1 | 1974.1 | 1989.6 | 2031.8 | 1836.0 |
| 45°    | 2196.9 | 1858.9 | 1870.5 | 1716.9 | 1682.3 |
| 47.5°  | 2039.5 | 1739.9 | 1743.7 | 1424.9 | 1632.4 |
| 50°    | 1851.3 | 1617.0 | 1601.7 | 1221.4 | 1628.5 |
| 52.5°  | 1686.2 | 1482.6 | 1436.4 | 1106.1 | 1478.7 |
| 55°    | 1524.8 | 1340.4 | 1240.6 | 1017.8 | 1371.1 |
| 57.5°  | 1382.7 | 1156.1 | 1060.1 | 914.2  | 1348.2 |
| 60°    | 1252.1 | 975.6  | 902.6  | 802.7  | 1236.7 |
| 62.5°  | 1144.6 | 841.2  | 825.8  | 725.9  | 1121.5 |
| 65°    | 1029.4 | 748.9  | 745.2  | 660.7  | 952.5  |
| 67.5°  | 917.9  | 687.5  | 683.6  | 599.1  | 725.9  |
| 70°    | 798.9  | 622.2  | 614.5  | 533.9  | 537.7  |
| 72.5°  | 676.0  | 549.2  | 541.6  | 480.1  | 445.5  |
| 75°    | 553.1  | 464.7  | 460.9  | 418.6  | 361.0  |
| 77.5°  | 434.0  | 368.7  | 376.4  | 338.0  | 265.0  |
| 80°    | 311.1  | 268.9  | 276.6  | 242.0  | 199.7  |
| 82.5°  | 207.4  | 176.6  | 184.4  | 153.6  | 134.4  |
| 85°    | 115.2  | 99.9   | 103.7  | 80.6   | 61.4   |
| 87.5°  | 53.8   | 46.1   | 46.1   | 30.7   | 19.2   |
| 90°    | 53.2   | 33.8   | 31.4   | 21.8   | 12.1   |
| 92.5°  | 328.1  | 233.3  | 212.8  | 130.5  | 48.4   |
| 95°    | 807.3  | 454.7  | 417.1  | 266.6  | 116.1  |
| 97.5°  | 1087.4 | 499.4  | 466.2  | 333.4  | 200.7  |
| 100°   | 1189.4 | 536.8  | 506.7  | 386.3  | 266.0  |
| 102.5° | 1236.2 | 574.3  | 546.2  | 433.9  | 321.6  |
| 105°   | 1270.8 | 629.9  | 606.2  | 511.1  | 416.0  |
| 107.5° | 1277.2 | 712.2  | 690.0  | 601.4  | 512.7  |
| 110°   | 1267.5 | 758.1  | 738.1  | 658.0  | 578.0  |

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CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-W2A-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 1268.0 | 813.8  | 794.7  | 718.4  | 642.1  |
| 115°   | 1279.7 | 897.2  | 879.6  | 809.2  | 738.8  |
| 117.5° | 1303.5 | 978.2  | 962.2  | 898.3  | 834.3  |
| 120°   | 1322.9 | 1025.4 | 1010.4 | 950.1  | 889.9  |
| 122.5° | 1350.7 | 1081.0 | 1065.8 | 1005.1 | 944.4  |
| 125°   | 1388.1 | 1152.3 | 1138.5 | 1083.1 | 1027.8 |
| 127.5° | 1425.6 | 1221.2 | 1207.3 | 1151.4 | 1095.5 |
| 130°   | 1453.0 | 1267.2 | 1252.1 | 1192.0 | 1131.8 |
| 132.5° | 1475.1 | 1304.7 | 1289.6 | 1229.5 | 1169.3 |
| 135°   | 1499.3 | 1348.2 | 1334.5 | 1279.7 | 1224.9 |
| 137.5° | 1535.6 | 1403.8 | 1390.2 | 1336.0 | 1281.7 |
| 140°   | 1557.8 | 1441.3 | 1428.8 | 1378.9 | 1328.9 |
| 142.5° | 1576.3 | 1469.1 | 1457.6 | 1411.3 | 1365.1 |
| 145°   | 1600.5 | 1511.4 | 1501.4 | 1461.1 | 1420.7 |
| 147.5° | 1636.0 | 1564.6 | 1554.9 | 1515.6 | 1476.4 |
| 150°   | 1654.6 | 1592.5 | 1583.5 | 1548.1 | 1512.6 |
| 152.5° | 1666.6 | 1610.6 | 1603.9 | 1577.0 | 1550.1 |
| 155°   | 1693.2 | 1650.5 | 1645.6 | 1625.6 | 1605.7 |
| 157.5° | 1719.9 | 1690.4 | 1685.6 | 1666.2 | 1646.8 |
| 160°   | 1731.9 | 1708.5 | 1704.8 | 1689.7 | 1674.6 |
| 162.5° | 1744.8 | 1727.8 | 1725.0 | 1713.7 | 1702.4 |
| 165°   | 1763.3 | 1755.6 | 1753.1 | 1742.8 | 1732.7 |
| 167.5° | 1777.8 | 1771.4 | 1770.2 | 1765.3 | 1760.5 |
| 170°   | 1789.9 | 1789.5 | 1788.4 | 1783.5 | 1778.7 |
| 172.5° | 1790.7 | 1790.7 | 1790.4 | 1789.4 | 1788.3 |
| 175°   | 1798.0 | 1801.7 | 1801.7 | 1801.7 | 1801.7 |
| 177.5° | 1798.9 | 1801.7 | 1801.7 | 1801.7 | 1801.7 |
| 180°   | 1801.7 | 1801.7 | 1801.7 | 1801.7 | 1801.7 |

TEST NUMBER: P935279

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-W2A-W-12-3500K

**CIE UGR TABLE:**

| Reflectances:   |      |                  |       |       |       |       |                |       |       |       |       |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling         |      | 0.7              | 0.7   | 0.5   | 0.5   | 0.3   | 0.7            | 0.7   | 0.5   | 0.5   | 0.3   |
| Wall            |      | 0.5              | 0.3   | 0.5   | 0.3   | 0.3   | 0.5            | 0.3   | 0.5   | 0.3   | 0.3   |
| Reference plane |      | 0.2              | 0.2   | 0.2   | 0.2   | 0.2   | 0.2            | 0.2   | 0.2   | 0.2   | 0.2   |
| Room dimensions |      | Viewed crosswise |       |       |       |       | Viewed endwise |       |       |       |       |
| X=2H            | Y=2H | 13.36            | 14.20 | 14.34 | 15.19 | 16.50 | 16.21          | 17.05 | 17.19 | 18.04 | 19.35 |
|                 | 3H   | 13.83            | 14.59 | 14.82 | 15.59 | 16.92 | 17.56          | 18.31 | 18.55 | 19.31 | 20.64 |
|                 | 4H   | 14.02            | 14.74 | 15.03 | 15.74 | 17.08 | 18.01          | 18.72 | 19.01 | 19.72 | 21.06 |
|                 | 6H   | 14.14            | 14.80 | 15.16 | 15.81 | 17.16 | 18.30          | 18.95 | 19.31 | 19.96 | 21.31 |
|                 | 8H   | 14.14            | 14.77 | 15.16 | 15.79 | 17.14 | 18.37          | 19.00 | 19.39 | 20.02 | 21.37 |
|                 | 12H  | 14.11            | 14.71 | 15.14 | 15.73 | 17.10 | 18.42          | 19.01 | 19.44 | 20.03 | 21.40 |
| 4H              | 2H   | 14.39            | 15.11 | 15.40 | 16.11 | 17.45 | 16.62          | 17.33 | 17.63 | 18.33 | 19.67 |
|                 | 3H   | 15.42            | 16.01 | 16.44 | 17.05 | 18.40 | 18.13          | 18.72 | 19.14 | 19.75 | 21.10 |
|                 | 4H   | 15.69            | 16.24 | 16.72 | 17.26 | 18.64 | 18.66          | 19.20 | 19.68 | 20.23 | 21.60 |
|                 | 6H   | 15.82            | 16.28 | 16.85 | 17.33 | 18.70 | 19.03          | 19.49 | 20.06 | 20.54 | 21.91 |
|                 | 8H   | 15.82            | 16.26 | 16.86 | 17.30 | 18.69 | 19.14          | 19.57 | 20.17 | 20.61 | 22.00 |
|                 | 12H  | 15.79            | 16.18 | 16.85 | 17.24 | 18.63 | 19.20          | 19.59 | 20.25 | 20.65 | 22.04 |
| 8H              | 4H   | 16.15            | 16.59 | 17.19 | 17.63 | 19.01 | 18.78          | 19.22 | 19.82 | 20.26 | 21.64 |
|                 | 6H   | 16.41            | 16.77 | 17.47 | 17.85 | 19.24 | 19.22          | 19.58 | 20.28 | 20.66 | 22.05 |
|                 | 8H   | 16.45            | 16.77 | 17.52 | 17.84 | 19.24 | 19.38          | 19.69 | 20.45 | 20.76 | 22.16 |
|                 | 12H  | 16.44            | 16.71 | 17.51 | 17.78 | 19.22 | 19.48          | 19.76 | 20.55 | 20.82 | 22.26 |
| 12H             | 4H   | 16.16            | 16.55 | 17.21 | 17.61 | 19.00 | 18.74          | 19.14 | 19.80 | 20.19 | 21.58 |
|                 | 6H   | 16.47            | 16.79 | 17.54 | 17.86 | 19.26 | 19.22          | 19.53 | 20.29 | 20.60 | 22.00 |
|                 | 8H   | 16.54            | 16.82 | 17.61 | 17.88 | 19.32 | 19.38          | 19.66 | 20.45 | 20.72 | 22.17 |