

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: P936194

Luminaire Tested: SQ4-FA-150U-125D-B2750-1D-UNV-W2A-W-8-3500K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P936194  
REPORT IS A COMBINATION OF REPORTS P933784 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-125D-B2750-1D-UNV-W2A-W-8-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

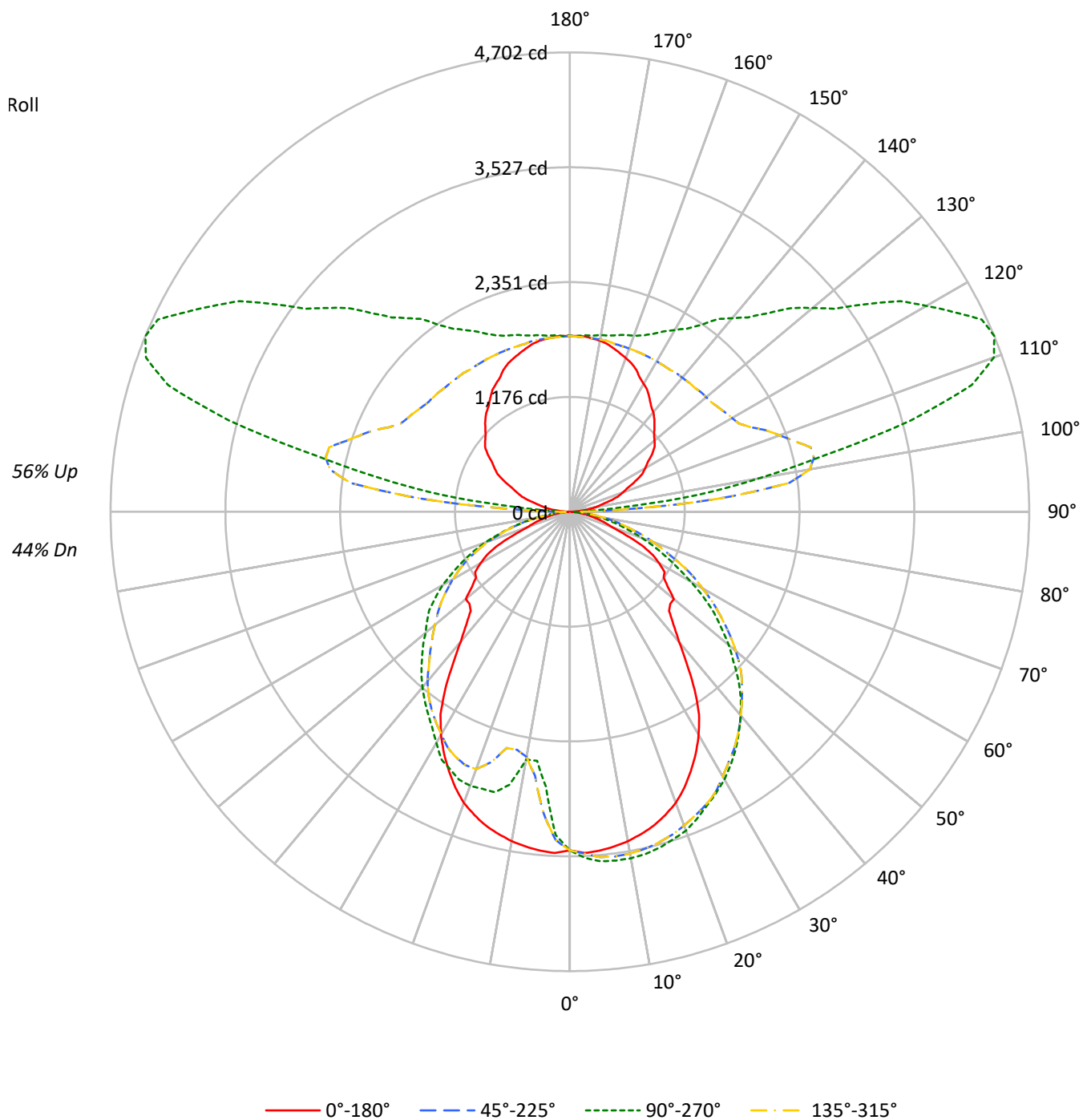
Lumens per Lamp: N/A  
Luminaire Lumens: 20669.7 lumens  
Efficiency: N/A  
Efficacy: 124.2 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 166.4  
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



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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    |    | 20 |    |    |    |    | 20 |    |    |    |    | 20 |
| RC  | 80  |     |     |     | 70 |    |    |    |    | 50 |    |    |    |    | 30 |    |    |    |    | 0  |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 64 | 64 | 64 | 50 | 50 | 50 | 44 | 44 | 44 |
| 1   | 96  | 92  | 88  | 85  | 88 | 84 | 81 | 78 | 70 | 68 | 66 | 57 | 55 | 54 | 44 | 43 | 42 | 37 | 37 | 37 |
| 2   | 88  | 80  | 74  | 69  | 80 | 74 | 69 | 64 | 61 | 58 | 54 | 50 | 47 | 45 | 39 | 37 | 36 | 31 | 31 | 31 |
| 3   | 80  | 71  | 63  | 58  | 73 | 65 | 59 | 54 | 54 | 49 | 46 | 44 | 41 | 38 | 35 | 32 | 30 | 26 | 26 | 26 |
| 4   | 73  | 63  | 55  | 49  | 67 | 57 | 51 | 45 | 48 | 43 | 39 | 39 | 35 | 32 | 31 | 28 | 26 | 22 | 22 | 22 |
| 5   | 67  | 56  | 48  | 42  | 61 | 51 | 44 | 39 | 43 | 37 | 33 | 35 | 31 | 28 | 28 | 25 | 23 | 19 | 19 | 19 |
| 6   | 62  | 50  | 42  | 36  | 56 | 46 | 39 | 34 | 39 | 33 | 29 | 32 | 28 | 24 | 25 | 22 | 20 | 17 | 17 | 17 |
| 7   | 57  | 45  | 37  | 31  | 52 | 41 | 34 | 29 | 35 | 29 | 25 | 29 | 25 | 22 | 23 | 20 | 18 | 15 | 15 | 15 |
| 8   | 53  | 41  | 33  | 28  | 48 | 38 | 31 | 26 | 32 | 26 | 23 | 26 | 22 | 19 | 21 | 18 | 16 | 13 | 13 | 13 |
| 9   | 49  | 37  | 30  | 25  | 45 | 34 | 28 | 23 | 29 | 24 | 20 | 24 | 20 | 17 | 19 | 16 | 14 | 12 | 12 | 12 |
| 10  | 46  | 34  | 27  | 22  | 42 | 31 | 25 | 21 | 27 | 22 | 18 | 22 | 18 | 16 | 18 | 15 | 13 | 11 | 11 | 11 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 16082 | 16082 | 16082 | 16082 |
| 5°  | 16202 | 16234 | 16202 | 12765 |
| 10° | 16094 | 15991 | 16094 | 11433 |
| 15° | 15919 | 15645 | 15919 | 13064 |
| 20° | 15586 | 15234 | 15586 | 13091 |
| 25° | 14905 | 14636 | 14905 | 12814 |
| 30° | 14024 | 14139 | 14024 | 12205 |
| 35° | 12502 | 13510 | 12502 | 11535 |
| 40° | 10418 | 12770 | 10418 | 11030 |
| 45° | 9308  | 11904 | 9308  | 10448 |
| 50° | 9889  | 10871 | 9889  | 9865  |
| 55° | 9304  | 9758  | 9304  | 9527  |
| 60° | 9590  | 8288  | 9590  | 8726  |
| 65° | 8696  | 6851  | 8696  | 7658  |
| 70° | 6021  | 5459  | 6021  | 6419  |
| 75° | 5279  | 4035  | 5279  | 4832  |
| 80° | 4254  | 2669  | 4254  | 2905  |
| 85° | 2441  | 1413  | 2441  | 1201  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 14266 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 312.9   | 1.5       |
| 10°-20°   | 888.4   | 4.3       |
| 20°-30°   | 1373.3  | 6.6       |
| 30°-40°   | 1639.4  | 7.9       |
| 40°-50°   | 1649.0  | 8.0       |
| 50°-60°   | 1434.9  | 6.9       |
| 60°-70°   | 1017.3  | 4.9       |
| 70°-80°   | 538.2   | 2.6       |
| 80°-90°   | 140.9   | 0.7       |
| 90°-100°  | 877.9   | 4.2       |
| 100°-110° | 2308.1  | 11.2      |
| 110°-120° | 2393.2  | 11.6      |
| 120°-130° | 1919.7  | 9.3       |
| 130°-140° | 1506.3  | 7.3       |
| 140°-150° | 1156.1  | 5.6       |
| 150°-160° | 832.6   | 4.0       |
| 160°-170° | 509.4   | 2.5       |
| 170°-180° | 172.1   | 0.8       |
| 0°-30°    | 2574.6  | 12.5      |
| 0°-40°    | 4214.0  | 20.4      |
| 0°-60°    | 7297.9  | 35.3      |
| 0°-90°    | 8994.3  | 43.5      |
| 90°-120°  | 5579.2  | 27.0      |
| 90°-150°  | 10161.3 | 49.2      |
| 90°-180°  | 11675.0 | 56.5      |
| 0°-180°   | 20669.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 3466 | 3466 | 3466 | 3466 | 3466 |      |
| 5°   | 3483 | 3591 | 3483 | 2824 | 3483 | 330  |
| 15°  | 3325 | 3558 | 3325 | 2971 | 3325 | 936  |
| 25°  | 2928 | 3319 | 2928 | 2906 | 2928 | 1345 |
| 35°  | 2227 | 2961 | 2227 | 2528 | 2227 | 1378 |
| 45°  | 1436 | 2440 | 1436 | 2141 | 1436 | 1151 |
| 55°  | 1171 | 1800 | 1171 | 1758 | 1171 | 1076 |
| 65°  | 813  | 1086 | 813  | 1213 | 813  | 777  |
| 75°  | 308  | 515  | 308  | 616  | 308  | 324  |
| 85°  | 52   | 131  | 52   | 112  | 52   | 71   |
| 90°  | 12   | 46   | 12   | 46   | 12   | 12   |
| 95°  | 116  | 531  | 116  | 531  | 116  | 129  |
| 105° | 416  | 3614 | 416  | 3614 | 416  | 441  |
| 115° | 739  | 4654 | 739  | 4654 | 739  | 729  |
| 125° | 1027 | 3706 | 1027 | 3706 | 1027 | 912  |
| 135° | 1224 | 2876 | 1224 | 2876 | 1224 | 947  |
| 145° | 1420 | 2333 | 1420 | 2333 | 1420 | 890  |
| 155° | 1605 | 2009 | 1605 | 2009 | 1605 | 738  |
| 165° | 1732 | 1871 | 1732 | 1871 | 1732 | 489  |
| 175° | 1801 | 1813 | 1801 | 1813 | 1801 | 171  |
| 180° | 1801 | 1801 | 1801 | 1801 | 1801 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 |
| 2.5°   | 3495.8 | 3495.8 | 3515.4 | 3522.0 | 3522.0 | 3512.2 | 3502.4 | 3512.2 | 3541.7 | 3551.6 | 3548.3 |
| 5°     | 3482.7 | 3508.9 | 3545.0 | 3551.6 | 3558.1 | 3554.9 | 3548.3 | 3554.9 | 3587.6 | 3594.2 | 3597.5 |
| 7.5°   | 3456.4 | 3505.6 | 3551.6 | 3561.4 | 3571.2 | 3561.4 | 3558.1 | 3564.7 | 3597.5 | 3604.0 | 3604.0 |
| 10°    | 3423.7 | 3492.6 | 3545.0 | 3551.6 | 3561.4 | 3551.6 | 3551.6 | 3564.7 | 3597.5 | 3604.0 | 3607.3 |
| 12.5°  | 3377.7 | 3472.8 | 3522.0 | 3528.6 | 3541.7 | 3538.4 | 3535.2 | 3548.3 | 3581.0 | 3587.6 | 3587.6 |
| 15°    | 3325.3 | 3436.8 | 3482.7 | 3489.3 | 3512.2 | 3505.6 | 3505.6 | 3518.7 | 3554.9 | 3564.7 | 3561.4 |
| 17.5°  | 3253.1 | 3390.8 | 3443.3 | 3453.1 | 3469.6 | 3466.3 | 3469.6 | 3482.7 | 3515.4 | 3522.0 | 3525.3 |
| 20°    | 3171.1 | 3328.5 | 3390.8 | 3400.7 | 3417.1 | 3417.1 | 3417.1 | 3433.5 | 3466.3 | 3479.4 | 3479.4 |
| 22.5°  | 3059.6 | 3263.0 | 3328.5 | 3335.1 | 3354.8 | 3354.8 | 3361.4 | 3384.3 | 3413.8 | 3417.1 | 3417.1 |
| 25°    | 2928.5 | 3190.8 | 3246.5 | 3266.2 | 3285.9 | 3295.8 | 3305.6 | 3318.7 | 3328.5 | 3325.3 | 3328.5 |
| 27.5°  | 2790.7 | 3099.0 | 3171.1 | 3184.2 | 3210.5 | 3220.4 | 3233.5 | 3236.8 | 3240.0 | 3249.8 | 3243.2 |
| 30°    | 2636.6 | 2971.1 | 3079.3 | 3092.5 | 3135.1 | 3141.6 | 3128.5 | 3135.1 | 3151.5 | 3158.1 | 3164.6 |
| 32.5°  | 2462.8 | 2780.9 | 2984.2 | 3013.8 | 3053.1 | 3033.5 | 3030.2 | 3039.9 | 3066.2 | 3066.2 | 3072.8 |
| 35°    | 2226.7 | 2633.4 | 2895.7 | 2921.9 | 2951.4 | 2928.5 | 2941.6 | 2944.9 | 2961.3 | 2971.1 | 2967.9 |
| 37.5°  | 1967.7 | 2505.4 | 2803.9 | 2823.6 | 2846.5 | 2817.0 | 2836.7 | 2846.5 | 2859.6 | 2853.0 | 2853.0 |
| 40°    | 1738.1 | 2305.3 | 2695.7 | 2708.7 | 2728.4 | 2705.4 | 2725.1 | 2731.7 | 2738.3 | 2731.7 | 2728.4 |
| 42.5°  | 1567.6 | 2085.7 | 2580.8 | 2597.2 | 2584.1 | 2600.5 | 2607.1 | 2620.2 | 2610.4 | 2597.2 | 2597.2 |
| 45°    | 1436.3 | 2026.7 | 2456.2 | 2475.9 | 2456.2 | 2482.5 | 2492.4 | 2492.4 | 2462.8 | 2456.2 | 2452.9 |
| 47.5°  | 1393.7 | 1908.5 | 2331.6 | 2331.6 | 2321.8 | 2354.6 | 2370.9 | 2348.0 | 2318.5 | 2308.6 | 2308.6 |
| 50°    | 1390.4 | 1777.4 | 2161.1 | 2148.0 | 2193.9 | 2233.3 | 2216.9 | 2193.9 | 2170.9 | 2134.9 | 2134.9 |
| 52.5°  | 1262.5 | 1616.7 | 1941.4 | 1990.6 | 2062.7 | 2085.7 | 2059.4 | 2036.5 | 1997.1 | 1980.7 | 1967.7 |
| 55°    | 1170.7 | 1449.5 | 1741.4 | 1839.7 | 1915.1 | 1944.7 | 1895.5 | 1872.5 | 1813.5 | 1803.7 | 1797.1 |
| 57.5°  | 1151.1 | 1206.8 | 1557.7 | 1682.3 | 1774.1 | 1770.8 | 1741.4 | 1698.8 | 1649.5 | 1639.6 | 1636.4 |
| 60°    | 1055.9 | 872.3  | 1361.0 | 1508.5 | 1603.6 | 1593.8 | 1567.6 | 1528.2 | 1482.3 | 1475.7 | 1469.2 |
| 62.5°  | 957.6  | 633.0  | 1137.9 | 1305.1 | 1439.6 | 1436.3 | 1413.4 | 1354.4 | 1321.6 | 1305.1 | 1292.1 |
| 65°    | 813.3  | 531.3  | 810.0  | 1085.5 | 1279.0 | 1285.5 | 1236.3 | 1193.7 | 1157.6 | 1137.9 | 1134.7 |
| 67.5°  | 619.8  | 432.9  | 547.7  | 905.1  | 1124.8 | 1118.2 | 1055.9 | 1036.2 | 990.4  | 980.5  | 960.9  |
| 70°    | 459.1  | 288.6  | 380.4  | 734.6  | 973.9  | 957.6  | 908.3  | 885.5  | 842.8  | 819.9  | 806.7  |
| 72.5°  | 380.4  | 232.9  | 278.8  | 570.6  | 819.9  | 800.2  | 757.6  | 731.3  | 695.3  | 675.6  | 662.4  |
| 75°    | 308.2  | 245.9  | 213.2  | 423.1  | 665.7  | 652.6  | 613.3  | 587.0  | 557.5  | 531.3  | 534.5  |
| 77.5°  | 226.3  | 229.6  | 170.5  | 311.5  | 528.0  | 508.3  | 485.4  | 452.5  | 439.4  | 413.2  | 413.2  |
| 80°    | 170.5  | 180.3  | 127.9  | 213.2  | 380.4  | 380.4  | 360.8  | 337.8  | 314.8  | 301.7  | 301.7  |
| 82.5°  | 114.7  | 114.7  | 95.1   | 134.5  | 259.1  | 249.2  | 236.1  | 229.6  | 216.5  | 209.9  | 209.9  |
| 85°    | 52.4   | 65.6   | 59.0   | 82.0   | 141.0  | 147.6  | 147.6  | 141.0  | 137.7  | 131.2  | 134.5  |
| 87.5°  | 16.4   | 29.6   | 36.0   | 45.9   | 72.2   | 75.4   | 78.7   | 78.7   | 78.7   | 82.0   | 82.0   |
| 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  | 328.0  | 454.3  | 517.3  | 453.4  | 325.6  | 229.7  | 220.5  |
| 95°    | 116.1  | 266.5  | 416.9  | 454.5  | 807.0  | 1277.0 | 1512.1 | 1349.3 | 1023.8 | 779.7  | 751.9  |
| 97.5°  | 200.7  | 333.3  | 466.1  | 499.2  | 1087.1 | 1870.9 | 2262.8 | 2159.9 | 1954.2 | 1799.8 | 1747.2 |
| 100°   | 265.9  | 386.2  | 506.6  | 536.7  | 1189.1 | 2058.7 | 2493.6 | 2501.2 | 2516.2 | 2527.4 | 2464.7 |
| 102.5° | 321.5  | 433.8  | 546.0  | 574.1  | 1235.8 | 2117.8 | 2558.9 | 2690.0 | 2952.2 | 3148.8 | 3095.1 |
| 105°   | 415.8  | 510.9  | 606.0  | 629.8  | 1270.4 | 2124.5 | 2551.7 | 2845.6 | 3433.3 | 3874.1 | 3845.2 |
| 107.5° | 512.5  | 601.2  | 689.7  | 711.9  | 1276.9 | 2030.1 | 2406.6 | 2816.5 | 3636.4 | 4251.2 | 4258.2 |
| 110°   | 577.8  | 657.9  | 737.9  | 757.9  | 1267.2 | 1946.2 | 2285.8 | 2744.0 | 3660.5 | 4347.9 | 4377.9 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 641.9  | 718.1  | 794.4  | 813.5  | 1267.5 | 1873.0 | 2175.7 | 2644.7 | 3582.7 | 4286.2 | 4332.4 |
| 115°   | 738.6  | 808.9  | 879.3  | 896.9  | 1279.3 | 1789.1 | 2044.0 | 2495.8 | 3399.3 | 4077.1 | 4141.1 |
| 117.5° | 834.0  | 898.0  | 961.9  | 977.9  | 1303.0 | 1736.5 | 1953.3 | 2361.1 | 3176.6 | 3788.2 | 3859.2 |
| 120°   | 889.6  | 949.8  | 1010.0 | 1025.0 | 1322.4 | 1718.8 | 1917.1 | 2289.7 | 3034.8 | 3593.6 | 3662.6 |
| 122.5° | 944.0  | 1004.8 | 1065.4 | 1080.6 | 1350.2 | 1709.6 | 1889.3 | 2224.7 | 2895.8 | 3399.0 | 3467.1 |
| 125°   | 1027.4 | 1082.8 | 1138.1 | 1151.9 | 1387.6 | 1701.9 | 1859.0 | 2144.0 | 2714.0 | 3141.5 | 3204.2 |
| 127.5° | 1095.2 | 1151.0 | 1206.9 | 1220.8 | 1425.1 | 1697.5 | 1833.6 | 2078.3 | 2567.8 | 2934.8 | 2987.7 |
| 130°   | 1131.4 | 1191.6 | 1251.8 | 1266.8 | 1452.5 | 1700.1 | 1823.9 | 2041.8 | 2477.5 | 2804.3 | 2853.2 |
| 132.5° | 1168.9 | 1229.1 | 1289.3 | 1304.3 | 1474.7 | 1702.0 | 1815.5 | 2010.5 | 2400.5 | 2693.0 | 2736.8 |
| 135°   | 1224.4 | 1279.3 | 1334.1 | 1347.8 | 1498.8 | 1700.3 | 1801.0 | 1964.4 | 2291.0 | 2536.0 | 2573.7 |
| 137.5° | 1281.3 | 1335.6 | 1389.7 | 1403.3 | 1535.1 | 1710.8 | 1798.7 | 1936.7 | 2212.8 | 2419.9 | 2450.8 |
| 140°   | 1328.4 | 1378.4 | 1428.3 | 1440.8 | 1557.3 | 1712.5 | 1790.1 | 1909.4 | 2148.0 | 2326.9 | 2355.7 |
| 142.5° | 1364.6 | 1410.9 | 1457.1 | 1468.6 | 1575.8 | 1718.7 | 1790.1 | 1894.9 | 2104.4 | 2261.5 | 2286.4 |
| 145°   | 1420.3 | 1460.6 | 1500.9 | 1511.0 | 1600.0 | 1718.7 | 1778.0 | 1863.7 | 2035.1 | 2163.7 | 2182.5 |
| 147.5° | 1475.9 | 1515.1 | 1554.4 | 1564.2 | 1635.5 | 1730.5 | 1778.0 | 1845.5 | 1980.2 | 2081.4 | 2097.0 |
| 150°   | 1512.1 | 1547.6 | 1583.1 | 1591.9 | 1653.9 | 1736.6 | 1778.0 | 1835.0 | 1948.9 | 2034.3 | 2046.9 |
| 152.5° | 1549.6 | 1576.5 | 1603.4 | 1610.1 | 1666.1 | 1740.7 | 1778.0 | 1826.7 | 1923.9 | 1996.8 | 2006.3 |
| 155°   | 1605.2 | 1625.1 | 1645.0 | 1649.9 | 1692.6 | 1749.5 | 1778.0 | 1816.7 | 1894.1 | 1952.1 | 1958.4 |
| 157.5° | 1646.3 | 1665.7 | 1685.0 | 1689.8 | 1719.2 | 1758.4 | 1778.0 | 1808.2 | 1868.3 | 1913.5 | 1917.9 |
| 160°   | 1674.1 | 1689.2 | 1704.2 | 1708.0 | 1731.3 | 1762.4 | 1778.0 | 1803.8 | 1855.4 | 1894.1 | 1896.6 |
| 162.5° | 1702.0 | 1713.2 | 1724.5 | 1727.3 | 1744.2 | 1766.8 | 1778.0 | 1799.8 | 1843.3 | 1876.0 | 1878.4 |
| 165°   | 1732.1 | 1742.3 | 1752.5 | 1755.1 | 1762.7 | 1772.9 | 1778.0 | 1793.6 | 1824.8 | 1848.2 | 1850.7 |
| 167.5° | 1759.9 | 1764.7 | 1769.6 | 1770.8 | 1777.2 | 1785.9 | 1790.1 | 1800.3 | 1820.8 | 1836.1 | 1837.1 |
| 170°   | 1778.0 | 1782.9 | 1787.7 | 1789.0 | 1789.4 | 1789.8 | 1790.1 | 1800.3 | 1820.8 | 1836.1 | 1836.1 |
| 172.5° | 1787.7 | 1788.8 | 1789.8 | 1790.1 | 1790.1 | 1790.1 | 1790.1 | 1798.2 | 1814.3 | 1826.4 | 1825.4 |
| 175°   | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1797.4 | 1792.6 | 1790.1 | 1795.3 | 1805.4 | 1813.1 | 1813.1 |
| 177.5° | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1798.2 | 1794.4 | 1792.6 | 1796.6 | 1804.7 | 1810.7 | 1809.6 |
| 180°   | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 |

TEST NUMBER: P936194

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-W2A-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 |
| 2.5°   | 3554.9 | 3545.0 | 3554.9 | 3548.3 | 3551.6 | 3541.7 | 3512.2 | 3502.4 | 3512.2 | 3522.0 | 3522.0 |
| 5°     | 3597.5 | 3590.9 | 3597.5 | 3597.5 | 3594.2 | 3587.6 | 3554.9 | 3548.3 | 3554.9 | 3558.1 | 3551.6 |
| 7.5°   | 3610.6 | 3600.7 | 3610.6 | 3604.0 | 3604.0 | 3597.5 | 3564.7 | 3558.1 | 3561.4 | 3571.2 | 3561.4 |
| 10°    | 3610.6 | 3600.7 | 3610.6 | 3607.3 | 3604.0 | 3597.5 | 3564.7 | 3551.6 | 3551.6 | 3561.4 | 3551.6 |
| 12.5°  | 3594.2 | 3587.6 | 3594.2 | 3587.6 | 3587.6 | 3581.0 | 3548.3 | 3535.2 | 3538.4 | 3541.7 | 3528.6 |
| 15°    | 3568.0 | 3558.1 | 3568.0 | 3561.4 | 3564.7 | 3554.9 | 3518.7 | 3505.6 | 3505.6 | 3512.2 | 3489.3 |
| 17.5°  | 3528.6 | 3515.4 | 3528.6 | 3525.3 | 3522.0 | 3515.4 | 3482.7 | 3469.6 | 3466.3 | 3469.6 | 3453.1 |
| 20°    | 3482.7 | 3472.8 | 3482.7 | 3479.4 | 3479.4 | 3466.3 | 3433.5 | 3417.1 | 3417.1 | 3417.1 | 3400.7 |
| 22.5°  | 3410.5 | 3400.7 | 3410.5 | 3417.1 | 3417.1 | 3413.8 | 3384.3 | 3361.4 | 3354.8 | 3354.8 | 3335.1 |
| 25°    | 3328.5 | 3318.7 | 3328.5 | 3328.5 | 3325.3 | 3328.5 | 3318.7 | 3305.6 | 3295.8 | 3285.9 | 3266.2 |
| 27.5°  | 3249.8 | 3243.2 | 3249.8 | 3243.2 | 3249.8 | 3240.0 | 3236.8 | 3233.5 | 3220.4 | 3210.5 | 3184.2 |
| 30°    | 3171.1 | 3164.6 | 3171.1 | 3164.6 | 3158.1 | 3151.5 | 3135.1 | 3128.5 | 3141.6 | 3135.1 | 3092.5 |
| 32.5°  | 3072.8 | 3066.2 | 3072.8 | 3072.8 | 3066.2 | 3066.2 | 3039.9 | 3030.2 | 3033.5 | 3053.1 | 3013.8 |
| 35°    | 2971.1 | 2961.3 | 2971.1 | 2967.9 | 2971.1 | 2961.3 | 2944.9 | 2941.6 | 2928.5 | 2951.4 | 2921.9 |
| 37.5°  | 2853.0 | 2843.2 | 2853.0 | 2853.0 | 2853.0 | 2859.6 | 2846.5 | 2836.7 | 2817.0 | 2846.5 | 2823.6 |
| 40°    | 2731.7 | 2718.6 | 2731.7 | 2728.4 | 2731.7 | 2738.3 | 2731.7 | 2725.1 | 2705.4 | 2728.4 | 2708.7 |
| 42.5°  | 2594.0 | 2590.7 | 2594.0 | 2597.2 | 2597.2 | 2610.4 | 2620.2 | 2607.1 | 2600.5 | 2584.1 | 2597.2 |
| 45°    | 2446.4 | 2439.8 | 2446.4 | 2452.9 | 2456.2 | 2462.8 | 2492.4 | 2492.4 | 2482.5 | 2456.2 | 2475.9 |
| 47.5°  | 2289.0 | 2272.6 | 2289.0 | 2308.6 | 2308.6 | 2318.5 | 2348.0 | 2370.9 | 2354.6 | 2321.8 | 2331.6 |
| 50°    | 2121.7 | 2125.0 | 2121.7 | 2134.9 | 2134.9 | 2170.9 | 2193.9 | 2216.9 | 2233.3 | 2193.9 | 2148.0 |
| 52.5°  | 1957.8 | 1954.5 | 1957.8 | 1967.7 | 1980.7 | 1997.1 | 2036.5 | 2059.4 | 2085.7 | 2062.7 | 1990.6 |
| 55°    | 1793.8 | 1800.4 | 1793.8 | 1797.1 | 1803.7 | 1813.5 | 1872.5 | 1895.5 | 1944.7 | 1915.1 | 1839.7 |
| 57.5°  | 1629.9 | 1620.0 | 1629.9 | 1636.4 | 1639.6 | 1649.5 | 1698.8 | 1741.4 | 1770.8 | 1774.1 | 1682.3 |
| 60°    | 1439.6 | 1426.6 | 1439.6 | 1469.2 | 1475.7 | 1482.3 | 1528.2 | 1567.6 | 1593.8 | 1603.6 | 1508.5 |
| 62.5°  | 1272.4 | 1249.4 | 1272.4 | 1292.1 | 1305.1 | 1321.6 | 1354.4 | 1413.4 | 1436.3 | 1439.6 | 1305.1 |
| 65°    | 1095.3 | 1085.5 | 1095.3 | 1134.7 | 1137.9 | 1157.6 | 1193.7 | 1236.3 | 1285.5 | 1279.0 | 1085.5 |
| 67.5°  | 934.6  | 934.6  | 934.6  | 960.9  | 980.5  | 990.4  | 1036.2 | 1055.9 | 1118.2 | 1124.8 | 905.1  |
| 70°    | 787.0  | 783.7  | 787.0  | 806.7  | 819.9  | 842.8  | 885.5  | 908.3  | 957.6  | 973.9  | 734.6  |
| 72.5°  | 646.0  | 642.7  | 646.0  | 662.4  | 675.6  | 695.3  | 731.3  | 757.6  | 800.2  | 819.9  | 570.6  |
| 75°    | 521.4  | 514.8  | 521.4  | 534.5  | 531.3  | 557.5  | 587.0  | 613.3  | 652.6  | 665.7  | 423.1  |
| 77.5°  | 400.1  | 400.1  | 400.1  | 413.2  | 413.2  | 439.4  | 452.5  | 485.4  | 508.3  | 528.0  | 311.5  |
| 80°    | 298.5  | 295.2  | 298.5  | 301.7  | 301.7  | 314.8  | 337.8  | 360.8  | 380.4  | 380.4  | 213.2  |
| 82.5°  | 209.9  | 203.3  | 209.9  | 209.9  | 209.9  | 216.5  | 229.6  | 236.1  | 249.2  | 259.1  | 134.5  |
| 85°    | 131.2  | 131.2  | 131.2  | 134.5  | 131.2  | 137.7  | 141.0  | 147.6  | 147.6  | 141.0  | 82.0   |
| 87.5°  | 85.3   | 82.0   | 85.3   | 82.0   | 82.0   | 78.7   | 78.7   | 78.7   | 75.4   | 72.2   | 45.9   |
| 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  | 220.5  | 229.7  | 325.6  | 453.4  | 517.3  | 454.3  | 328.0  | 233.3  |
| 95°    | 641.3  | 530.6  | 641.3  | 751.9  | 779.7  | 1023.8 | 1349.3 | 1512.1 | 1277.0 | 807.0  | 454.5  |
| 97.5°  | 1536.5 | 1326.0 | 1536.5 | 1747.2 | 1799.8 | 1954.2 | 2159.9 | 2262.8 | 1870.9 | 1087.1 | 499.2  |
| 100°   | 2213.9 | 1963.0 | 2213.9 | 2464.7 | 2527.4 | 2516.2 | 2501.2 | 2493.6 | 2058.7 | 1189.1 | 536.7  |
| 102.5° | 2880.2 | 2665.3 | 2880.2 | 3095.1 | 3148.8 | 2952.2 | 2690.0 | 2558.9 | 2117.8 | 1235.8 | 574.1  |
| 105°   | 3729.7 | 3614.2 | 3729.7 | 3845.2 | 3874.1 | 3433.3 | 2845.6 | 2551.7 | 2124.5 | 1270.4 | 629.8  |
| 107.5° | 4286.1 | 4314.0 | 4286.1 | 4258.2 | 4251.2 | 3636.4 | 2816.5 | 2406.6 | 2030.1 | 1276.9 | 711.9  |
| 110°   | 4498.3 | 4618.6 | 4498.3 | 4377.9 | 4347.9 | 3660.5 | 2744.0 | 2285.8 | 1946.2 | 1267.2 | 757.9  |

TEST NUMBER: P936194

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-W2A-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 4517.2 | 4702.0 | 4517.2 | 4332.4 | 4286.2 | 3582.7 | 2644.7 | 2175.7 | 1873.0 | 1267.5 | 813.5  |
| 115°   | 4397.4 | 4653.6 | 4397.4 | 4141.1 | 4077.1 | 3399.3 | 2495.8 | 2044.0 | 1789.1 | 1279.3 | 896.9  |
| 117.5° | 4143.4 | 4427.7 | 4143.4 | 3859.2 | 3788.2 | 3176.6 | 2361.1 | 1953.3 | 1736.5 | 1303.0 | 977.9  |
| 120°   | 3938.8 | 4214.9 | 3938.8 | 3662.6 | 3593.6 | 3034.8 | 2289.7 | 1917.1 | 1718.8 | 1322.4 | 1025.0 |
| 122.5° | 3739.5 | 4011.9 | 3739.5 | 3467.1 | 3399.0 | 2895.8 | 2224.7 | 1889.3 | 1709.6 | 1350.2 | 1080.6 |
| 125°   | 3455.2 | 3706.0 | 3455.2 | 3204.2 | 3141.5 | 2714.0 | 2144.0 | 1859.0 | 1701.9 | 1387.6 | 1151.9 |
| 127.5° | 3199.4 | 3411.1 | 3199.4 | 2987.7 | 2934.8 | 2567.8 | 2078.3 | 1833.6 | 1697.5 | 1425.1 | 1220.8 |
| 130°   | 3048.8 | 3244.3 | 3048.8 | 2853.2 | 2804.3 | 2477.5 | 2041.8 | 1823.9 | 1700.1 | 1452.5 | 1266.8 |
| 132.5° | 2911.9 | 3087.1 | 2911.9 | 2736.8 | 2693.0 | 2400.5 | 2010.5 | 1815.5 | 1702.0 | 1474.7 | 1304.3 |
| 135°   | 2724.6 | 2875.6 | 2724.6 | 2573.7 | 2536.0 | 2291.0 | 1964.4 | 1801.0 | 1700.3 | 1498.8 | 1347.8 |
| 137.5° | 2574.3 | 2697.9 | 2574.3 | 2450.8 | 2419.9 | 2212.8 | 1936.7 | 1798.7 | 1710.8 | 1535.1 | 1403.3 |
| 140°   | 2471.2 | 2586.7 | 2471.2 | 2355.7 | 2326.9 | 2148.0 | 1909.4 | 1790.1 | 1712.5 | 1557.3 | 1440.8 |
| 142.5° | 2385.8 | 2485.2 | 2385.8 | 2286.4 | 2261.5 | 2104.4 | 1894.9 | 1790.1 | 1718.7 | 1575.8 | 1468.6 |
| 145°   | 2257.7 | 2332.9 | 2257.7 | 2182.5 | 2163.7 | 2035.1 | 1863.7 | 1778.0 | 1718.7 | 1600.0 | 1511.0 |
| 147.5° | 2159.3 | 2221.6 | 2159.3 | 2097.0 | 2081.4 | 1980.2 | 1845.5 | 1778.0 | 1730.5 | 1635.5 | 1564.2 |
| 150°   | 2097.5 | 2148.0 | 2097.5 | 2046.9 | 2034.3 | 1948.9 | 1835.0 | 1778.0 | 1736.6 | 1653.9 | 1591.9 |
| 152.5° | 2044.5 | 2082.7 | 2044.5 | 2006.3 | 1996.8 | 1923.9 | 1826.7 | 1778.0 | 1740.7 | 1666.1 | 1610.1 |
| 155°   | 1983.7 | 2008.9 | 1983.7 | 1958.4 | 1952.1 | 1894.1 | 1816.7 | 1778.0 | 1749.5 | 1692.6 | 1649.9 |
| 157.5° | 1935.6 | 1953.3 | 1935.6 | 1917.9 | 1913.5 | 1868.3 | 1808.2 | 1778.0 | 1758.4 | 1719.2 | 1689.8 |
| 160°   | 1906.9 | 1917.1 | 1906.9 | 1896.6 | 1894.1 | 1855.4 | 1803.8 | 1778.0 | 1762.4 | 1731.3 | 1708.0 |
| 162.5° | 1888.0 | 1897.7 | 1888.0 | 1878.4 | 1876.0 | 1843.3 | 1799.8 | 1778.0 | 1766.8 | 1744.2 | 1727.3 |
| 165°   | 1861.0 | 1871.1 | 1861.0 | 1850.7 | 1848.2 | 1824.8 | 1793.6 | 1778.0 | 1772.9 | 1762.7 | 1755.1 |
| 167.5° | 1841.5 | 1845.8 | 1841.5 | 1837.1 | 1836.1 | 1820.8 | 1800.3 | 1790.1 | 1785.9 | 1777.2 | 1770.8 |
| 170°   | 1836.1 | 1836.1 | 1836.1 | 1836.1 | 1836.1 | 1820.8 | 1800.3 | 1790.1 | 1789.8 | 1789.4 | 1789.0 |
| 172.5° | 1821.7 | 1817.9 | 1821.7 | 1825.4 | 1826.4 | 1814.3 | 1798.2 | 1790.1 | 1790.1 | 1790.1 | 1790.1 |
| 175°   | 1813.1 | 1813.1 | 1813.1 | 1813.1 | 1813.1 | 1805.4 | 1795.3 | 1790.1 | 1792.6 | 1797.4 | 1801.0 |
| 177.5° | 1805.2 | 1801.0 | 1805.2 | 1809.6 | 1810.7 | 1804.7 | 1796.6 | 1792.6 | 1794.4 | 1798.2 | 1801.0 |
| 180°   | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 |

TEST NUMBER: P936194

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-W2A-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 |
| 2.5°   | 3515.4 | 3495.8 | 3495.8 | 3463.0 | 3449.9 | 3440.0 | 3423.7 | 3374.4 | 3361.4 | 3348.2 | 3368.0 |
| 5°     | 3545.0 | 3508.9 | 3482.7 | 3423.7 | 3374.4 | 3354.8 | 3292.5 | 3174.4 | 3095.8 | 3036.7 | 3003.9 |
| 7.5°   | 3551.6 | 3505.6 | 3456.4 | 3364.7 | 3246.5 | 3194.1 | 3003.9 | 2787.4 | 2728.4 | 2676.0 | 2643.1 |
| 10°    | 3545.0 | 3492.6 | 3423.7 | 3285.9 | 3007.2 | 2915.3 | 2725.1 | 2584.1 | 2548.1 | 2538.2 | 2548.1 |
| 12.5°  | 3522.0 | 3472.8 | 3377.7 | 3148.2 | 2758.0 | 2695.7 | 2584.1 | 2502.2 | 2495.6 | 2512.0 | 2600.5 |
| 15°    | 3482.7 | 3436.8 | 3325.3 | 2964.6 | 2620.2 | 2574.3 | 2495.6 | 2466.1 | 2502.2 | 2617.0 | 2882.6 |
| 17.5°  | 3443.3 | 3390.8 | 3253.1 | 2784.2 | 2515.2 | 2482.5 | 2426.8 | 2485.8 | 2689.1 | 2843.2 | 2931.7 |
| 20°    | 3390.8 | 3328.5 | 3171.1 | 2653.0 | 2439.8 | 2410.3 | 2384.1 | 2649.7 | 2803.9 | 2859.6 | 2908.8 |
| 22.5°  | 3328.5 | 3263.0 | 3059.6 | 2561.2 | 2361.2 | 2338.2 | 2354.6 | 2741.6 | 2803.9 | 2843.2 | 2885.9 |
| 25°    | 3246.5 | 3190.8 | 2928.5 | 2489.1 | 2298.9 | 2272.6 | 2334.9 | 2731.7 | 2767.8 | 2777.6 | 2862.9 |
| 27.5°  | 3171.1 | 3099.0 | 2790.7 | 2423.5 | 2223.4 | 2213.6 | 2351.3 | 2689.1 | 2715.3 | 2725.1 | 2817.0 |
| 30°    | 3079.3 | 2971.1 | 2636.6 | 2354.6 | 2144.7 | 2141.4 | 2354.6 | 2636.6 | 2630.1 | 2656.3 | 2748.1 |
| 32.5°  | 2984.2 | 2780.9 | 2462.8 | 2269.3 | 2069.3 | 2066.0 | 2331.6 | 2557.9 | 2551.4 | 2587.4 | 2656.3 |
| 35°    | 2895.7 | 2633.4 | 2226.7 | 2170.9 | 1974.1 | 1977.4 | 2275.9 | 2466.1 | 2469.4 | 2502.2 | 2544.8 |
| 37.5°  | 2803.9 | 2505.4 | 1967.7 | 2062.7 | 1882.4 | 1882.4 | 2200.4 | 2380.8 | 2374.2 | 2384.1 | 2443.1 |
| 40°    | 2695.7 | 2305.3 | 1738.1 | 1921.7 | 1797.1 | 1787.2 | 2108.6 | 2289.0 | 2266.0 | 2262.8 | 2344.8 |
| 42.5°  | 2580.8 | 2085.7 | 1567.6 | 1734.8 | 1698.8 | 1685.6 | 1997.1 | 2177.5 | 2134.9 | 2144.7 | 2249.6 |
| 45°    | 2456.2 | 2026.7 | 1436.3 | 1465.9 | 1597.0 | 1587.2 | 1875.8 | 2049.6 | 2020.1 | 2046.3 | 2154.6 |
| 47.5°  | 2331.6 | 1908.5 | 1393.7 | 1216.7 | 1488.9 | 1485.6 | 1741.4 | 1925.0 | 1908.5 | 1934.8 | 2049.6 |
| 50°    | 2161.1 | 1777.4 | 1390.4 | 1042.8 | 1367.5 | 1380.6 | 1580.6 | 1803.7 | 1803.7 | 1826.6 | 1948.0 |
| 52.5°  | 1941.4 | 1616.7 | 1262.5 | 944.5  | 1226.5 | 1265.8 | 1439.6 | 1698.8 | 1705.2 | 1728.2 | 1836.4 |
| 55°    | 1741.4 | 1449.5 | 1170.7 | 869.0  | 1059.2 | 1144.5 | 1301.9 | 1590.5 | 1603.6 | 1626.6 | 1724.9 |
| 57.5°  | 1557.7 | 1206.8 | 1151.1 | 780.5  | 905.1  | 987.1  | 1180.5 | 1485.6 | 1492.1 | 1511.8 | 1606.9 |
| 60°    | 1361.0 | 872.3  | 1055.9 | 685.4  | 770.6  | 833.0  | 1069.1 | 1361.0 | 1383.9 | 1397.0 | 1479.0 |
| 62.5°  | 1137.9 | 633.0  | 957.6  | 619.8  | 705.0  | 718.2  | 977.2  | 1242.8 | 1272.4 | 1282.3 | 1331.4 |
| 65°    | 810.0  | 531.3  | 813.3  | 564.1  | 636.1  | 639.4  | 878.9  | 1121.5 | 1147.8 | 1164.2 | 1200.2 |
| 67.5°  | 547.7  | 432.9  | 619.8  | 511.5  | 583.7  | 587.0  | 783.7  | 980.5  | 1016.6 | 1029.8 | 1052.7 |
| 70°    | 380.4  | 288.6  | 459.1  | 455.8  | 524.7  | 531.3  | 682.1  | 852.6  | 885.5  | 895.3  | 908.3  |
| 72.5°  | 278.8  | 232.9  | 380.4  | 409.9  | 462.4  | 469.0  | 577.1  | 708.3  | 741.1  | 751.0  | 757.6  |
| 75°    | 213.2  | 245.9  | 308.2  | 357.5  | 393.5  | 396.8  | 472.2  | 577.1  | 600.1  | 606.7  | 610.0  |
| 77.5°  | 170.5  | 229.6  | 226.3  | 288.6  | 321.4  | 314.8  | 370.5  | 446.0  | 465.7  | 465.7  | 465.7  |
| 80°    | 127.9  | 180.3  | 170.5  | 206.6  | 236.1  | 229.6  | 265.6  | 318.1  | 324.6  | 331.2  | 327.9  |
| 82.5°  | 95.1   | 114.7  | 114.7  | 131.2  | 157.4  | 150.9  | 177.1  | 206.6  | 206.6  | 206.6  | 213.2  |
| 85°    | 59.0   | 65.6   | 52.4   | 68.9   | 88.6   | 85.3   | 98.4   | 111.5  | 114.7  | 114.7  | 108.2  |
| 87.5°  | 36.0   | 29.6   | 16.4   | 26.3   | 39.3   | 39.3   | 45.9   | 49.2   | 45.9   | 45.9   | 45.9   |
| 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  | 328.0  | 454.3  | 517.3  | 453.4  | 325.6  |
| 95°    | 416.9  | 266.5  | 116.1  | 266.5  | 416.9  | 454.5  | 807.0  | 1277.0 | 1512.1 | 1349.3 | 1023.8 |
| 97.5°  | 466.1  | 333.3  | 200.7  | 333.3  | 466.1  | 499.2  | 1087.1 | 1870.9 | 2262.8 | 2159.9 | 1954.2 |
| 100°   | 506.6  | 386.2  | 265.9  | 386.2  | 506.6  | 536.7  | 1189.1 | 2058.7 | 2493.6 | 2501.2 | 2516.2 |
| 102.5° | 546.0  | 433.8  | 321.5  | 433.8  | 546.0  | 574.1  | 1235.8 | 2117.8 | 2558.9 | 2690.0 | 2952.2 |
| 105°   | 606.0  | 510.9  | 415.8  | 510.9  | 606.0  | 629.8  | 1270.4 | 2124.5 | 2551.7 | 2845.6 | 3433.3 |
| 107.5° | 689.7  | 601.2  | 512.5  | 601.2  | 689.7  | 711.9  | 1276.9 | 2030.1 | 2406.6 | 2816.5 | 3636.4 |
| 110°   | 737.9  | 657.9  | 577.8  | 657.9  | 737.9  | 757.9  | 1267.2 | 1946.2 | 2285.8 | 2744.0 | 3660.5 |

TEST NUMBER: P936194

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-W2A-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 794.4  | 718.1  | 641.9  | 718.1  | 794.4  | 813.5  | 1267.5 | 1873.0 | 2175.7 | 2644.7 | 3582.7 |
| 115°   | 879.3  | 808.9  | 738.6  | 808.9  | 879.3  | 896.9  | 1279.3 | 1789.1 | 2044.0 | 2495.8 | 3399.3 |
| 117.5° | 961.9  | 898.0  | 834.0  | 898.0  | 961.9  | 977.9  | 1303.0 | 1736.5 | 1953.3 | 2361.1 | 3176.6 |
| 120°   | 1010.0 | 949.8  | 889.6  | 949.8  | 1010.0 | 1025.0 | 1322.4 | 1718.8 | 1917.1 | 2289.7 | 3034.8 |
| 122.5° | 1065.4 | 1004.8 | 944.0  | 1004.8 | 1065.4 | 1080.6 | 1350.2 | 1709.6 | 1889.3 | 2224.7 | 2895.8 |
| 125°   | 1138.1 | 1082.8 | 1027.4 | 1082.8 | 1138.1 | 1151.9 | 1387.6 | 1701.9 | 1859.0 | 2144.0 | 2714.0 |
| 127.5° | 1206.9 | 1151.0 | 1095.2 | 1151.0 | 1206.9 | 1220.8 | 1425.1 | 1697.5 | 1833.6 | 2078.3 | 2567.8 |
| 130°   | 1251.8 | 1191.6 | 1131.4 | 1191.6 | 1251.8 | 1266.8 | 1452.5 | 1700.1 | 1823.9 | 2041.8 | 2477.5 |
| 132.5° | 1289.3 | 1229.1 | 1168.9 | 1229.1 | 1289.3 | 1304.3 | 1474.7 | 1702.0 | 1815.5 | 2010.5 | 2400.5 |
| 135°   | 1334.1 | 1279.3 | 1224.4 | 1279.3 | 1334.1 | 1347.8 | 1498.8 | 1700.3 | 1801.0 | 1964.4 | 2291.0 |
| 137.5° | 1389.7 | 1335.6 | 1281.3 | 1335.6 | 1389.7 | 1403.3 | 1535.1 | 1710.8 | 1798.7 | 1936.7 | 2212.8 |
| 140°   | 1428.3 | 1378.4 | 1328.4 | 1378.4 | 1428.3 | 1440.8 | 1557.3 | 1712.5 | 1790.1 | 1909.4 | 2148.0 |
| 142.5° | 1457.1 | 1410.9 | 1364.6 | 1410.9 | 1457.1 | 1468.6 | 1575.8 | 1718.7 | 1790.1 | 1894.9 | 2104.4 |
| 145°   | 1500.9 | 1460.6 | 1420.3 | 1460.6 | 1500.9 | 1511.0 | 1600.0 | 1718.7 | 1778.0 | 1863.7 | 2035.1 |
| 147.5° | 1554.4 | 1515.1 | 1475.9 | 1515.1 | 1554.4 | 1564.2 | 1635.5 | 1730.5 | 1778.0 | 1845.5 | 1980.2 |
| 150°   | 1583.1 | 1547.6 | 1512.1 | 1547.6 | 1583.1 | 1591.9 | 1653.9 | 1736.6 | 1778.0 | 1835.0 | 1948.9 |
| 152.5° | 1603.4 | 1576.5 | 1549.6 | 1576.5 | 1603.4 | 1610.1 | 1666.1 | 1740.7 | 1778.0 | 1826.7 | 1923.9 |
| 155°   | 1645.0 | 1625.1 | 1605.2 | 1625.1 | 1645.0 | 1649.9 | 1692.6 | 1749.5 | 1778.0 | 1816.7 | 1894.1 |
| 157.5° | 1685.0 | 1665.7 | 1646.3 | 1665.7 | 1685.0 | 1689.8 | 1719.2 | 1758.4 | 1778.0 | 1808.2 | 1868.3 |
| 160°   | 1704.2 | 1689.2 | 1674.1 | 1689.2 | 1704.2 | 1708.0 | 1731.3 | 1762.4 | 1778.0 | 1803.8 | 1855.4 |
| 162.5° | 1724.5 | 1713.2 | 1702.0 | 1713.2 | 1724.5 | 1727.3 | 1744.2 | 1766.8 | 1778.0 | 1799.8 | 1843.3 |
| 165°   | 1752.5 | 1742.3 | 1732.1 | 1742.3 | 1752.5 | 1755.1 | 1762.7 | 1772.9 | 1778.0 | 1793.6 | 1824.8 |
| 167.5° | 1769.6 | 1764.7 | 1759.9 | 1764.7 | 1769.6 | 1770.8 | 1777.2 | 1785.9 | 1790.1 | 1800.3 | 1820.8 |
| 170°   | 1787.7 | 1782.9 | 1778.0 | 1782.9 | 1787.7 | 1789.0 | 1789.4 | 1789.8 | 1790.1 | 1800.3 | 1820.8 |
| 172.5° | 1789.8 | 1788.8 | 1787.7 | 1788.8 | 1789.8 | 1790.1 | 1790.1 | 1790.1 | 1790.1 | 1798.2 | 1814.3 |
| 175°   | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1797.4 | 1792.6 | 1790.1 | 1795.3 | 1805.4 |
| 177.5° | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1798.2 | 1794.4 | 1792.6 | 1796.6 | 1804.7 |
| 180°   | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 |

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CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-W2A-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 |
| 2.5°   | 3345.0 | 3335.1 | 3348.2 | 3312.1 | 3348.2 | 3335.1 | 3345.0 | 3368.0 | 3348.2 | 3361.4 | 3374.4 |
| 5°     | 2935.0 | 2918.6 | 2866.2 | 2823.6 | 2866.2 | 2918.6 | 2935.0 | 3003.9 | 3036.7 | 3095.8 | 3174.4 |
| 7.5°   | 2623.5 | 2610.4 | 2597.2 | 2571.0 | 2597.2 | 2610.4 | 2623.5 | 2643.1 | 2676.0 | 2728.4 | 2787.4 |
| 10°    | 2554.7 | 2557.9 | 2577.5 | 2574.3 | 2577.5 | 2557.9 | 2554.7 | 2548.1 | 2538.2 | 2548.1 | 2584.1 |
| 12.5°  | 2731.7 | 2761.3 | 2869.4 | 2862.9 | 2869.4 | 2761.3 | 2731.7 | 2600.5 | 2512.0 | 2495.6 | 2502.2 |
| 15°    | 2935.0 | 2944.9 | 2967.9 | 2971.1 | 2967.9 | 2944.9 | 2935.0 | 2882.6 | 2617.0 | 2502.2 | 2466.1 |
| 17.5°  | 2954.7 | 2958.0 | 2974.3 | 2974.3 | 2974.3 | 2958.0 | 2954.7 | 2931.7 | 2843.2 | 2689.1 | 2485.8 |
| 20°    | 2938.3 | 2944.9 | 2977.6 | 2984.2 | 2977.6 | 2944.9 | 2938.3 | 2908.8 | 2859.6 | 2803.9 | 2649.7 |
| 22.5°  | 2931.7 | 2944.9 | 2971.1 | 2967.9 | 2971.1 | 2944.9 | 2931.7 | 2885.9 | 2843.2 | 2803.9 | 2741.6 |
| 25°    | 2899.0 | 2899.0 | 2902.3 | 2905.5 | 2902.3 | 2899.0 | 2899.0 | 2862.9 | 2777.6 | 2767.8 | 2731.7 |
| 27.5°  | 2830.1 | 2836.7 | 2856.3 | 2853.0 | 2856.3 | 2836.7 | 2830.1 | 2817.0 | 2725.1 | 2715.3 | 2689.1 |
| 30°    | 2767.8 | 2761.3 | 2744.8 | 2731.7 | 2744.8 | 2761.3 | 2767.8 | 2748.1 | 2656.3 | 2630.1 | 2636.6 |
| 32.5°  | 2662.8 | 2646.4 | 2630.1 | 2620.2 | 2630.1 | 2646.4 | 2662.8 | 2656.3 | 2587.4 | 2551.4 | 2557.9 |
| 35°    | 2538.2 | 2541.5 | 2538.2 | 2528.4 | 2538.2 | 2541.5 | 2538.2 | 2544.8 | 2502.2 | 2469.4 | 2466.1 |
| 37.5°  | 2449.7 | 2456.2 | 2452.9 | 2439.8 | 2452.9 | 2456.2 | 2449.7 | 2443.1 | 2384.1 | 2374.2 | 2380.8 |
| 40°    | 2357.9 | 2361.2 | 2357.9 | 2348.0 | 2357.9 | 2361.2 | 2357.9 | 2344.8 | 2262.8 | 2266.0 | 2289.0 |
| 42.5°  | 2269.3 | 2266.0 | 2256.2 | 2249.6 | 2256.2 | 2266.0 | 2269.3 | 2249.6 | 2144.7 | 2134.9 | 2177.5 |
| 45°    | 2167.7 | 2170.9 | 2151.3 | 2141.4 | 2151.3 | 2170.9 | 2167.7 | 2154.6 | 2046.3 | 2020.1 | 2049.6 |
| 47.5°  | 2066.0 | 2066.0 | 2049.6 | 2039.7 | 2049.6 | 2066.0 | 2066.0 | 2049.6 | 1934.8 | 1908.5 | 1925.0 |
| 50°    | 1957.8 | 1954.5 | 1931.5 | 1928.3 | 1931.5 | 1954.5 | 1957.8 | 1948.0 | 1826.6 | 1803.7 | 1803.7 |
| 52.5°  | 1833.2 | 1833.2 | 1836.4 | 1843.0 | 1836.4 | 1833.2 | 1833.2 | 1836.4 | 1728.2 | 1705.2 | 1698.8 |
| 55°    | 1724.9 | 1728.2 | 1751.2 | 1757.8 | 1751.2 | 1728.2 | 1724.9 | 1724.9 | 1626.6 | 1603.6 | 1590.5 |
| 57.5°  | 1613.5 | 1613.5 | 1629.9 | 1629.9 | 1629.9 | 1613.5 | 1613.5 | 1606.9 | 1511.8 | 1492.1 | 1485.6 |
| 60°    | 1485.6 | 1492.1 | 1505.2 | 1502.0 | 1505.2 | 1492.1 | 1485.6 | 1479.0 | 1397.0 | 1383.9 | 1361.0 |
| 62.5°  | 1351.1 | 1357.7 | 1361.0 | 1354.4 | 1361.0 | 1357.7 | 1351.1 | 1331.4 | 1282.3 | 1272.4 | 1242.8 |
| 65°    | 1210.1 | 1216.7 | 1220.0 | 1213.4 | 1220.0 | 1216.7 | 1210.1 | 1200.2 | 1164.2 | 1147.8 | 1121.5 |
| 67.5°  | 1065.8 | 1062.5 | 1059.2 | 1072.4 | 1059.2 | 1062.5 | 1065.8 | 1052.7 | 1029.8 | 1016.6 | 980.5  |
| 70°    | 918.2  | 918.2  | 914.9  | 921.5  | 914.9  | 918.2  | 918.2  | 908.3  | 895.3  | 885.5  | 852.6  |
| 72.5°  | 760.9  | 757.6  | 770.6  | 760.9  | 770.6  | 757.6  | 760.9  | 757.6  | 751.0  | 741.1  | 708.3  |
| 75°    | 606.7  | 613.3  | 606.7  | 616.5  | 606.7  | 613.3  | 606.7  | 610.0  | 606.7  | 600.1  | 577.1  |
| 77.5°  | 462.4  | 469.0  | 462.4  | 462.4  | 462.4  | 469.0  | 462.4  | 465.7  | 465.7  | 465.7  | 446.0  |
| 80°    | 327.9  | 324.6  | 324.6  | 321.4  | 324.6  | 324.6  | 327.9  | 327.9  | 331.2  | 324.6  | 318.1  |
| 82.5°  | 209.9  | 206.6  | 206.6  | 213.2  | 206.6  | 206.6  | 209.9  | 213.2  | 206.6  | 206.6  | 206.6  |
| 85°    | 114.7  | 118.0  | 111.5  | 111.5  | 111.5  | 118.0  | 114.7  | 108.2  | 114.7  | 114.7  | 111.5  |
| 87.5°  | 42.6   | 39.3   | 39.3   | 39.3   | 39.3   | 39.3   | 42.6   | 45.9   | 45.9   | 45.9   | 49.2   |
| 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  | 220.5  | 184.0  | 147.5  | 184.0  | 220.5  | 229.7  | 325.6  | 453.4  | 517.3  | 454.3  |
| 95°    | 779.7  | 751.9  | 641.3  | 530.6  | 641.3  | 751.9  | 779.7  | 1023.8 | 1349.3 | 1512.1 | 1277.0 |
| 97.5°  | 1799.8 | 1747.2 | 1536.5 | 1326.0 | 1536.5 | 1747.2 | 1799.8 | 1954.2 | 2159.9 | 2262.8 | 1870.9 |
| 100°   | 2527.4 | 2464.7 | 2213.9 | 1963.0 | 2213.9 | 2464.7 | 2527.4 | 2516.2 | 2501.2 | 2493.6 | 2058.7 |
| 102.5° | 3148.8 | 3095.1 | 2880.2 | 2665.3 | 2880.2 | 3095.1 | 3148.8 | 2952.2 | 2690.0 | 2558.9 | 2117.8 |
| 105°   | 3874.1 | 3845.2 | 3729.7 | 3614.2 | 3729.7 | 3845.2 | 3874.1 | 3433.3 | 2845.6 | 2551.7 | 2124.5 |
| 107.5° | 4251.2 | 4258.2 | 4286.1 | 4314.0 | 4286.1 | 4258.2 | 4251.2 | 3636.4 | 2816.5 | 2406.6 | 2030.1 |
| 110°   | 4347.9 | 4377.9 | 4498.3 | 4618.6 | 4498.3 | 4377.9 | 4347.9 | 3660.5 | 2744.0 | 2285.8 | 1946.2 |

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**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 4286.2 | 4332.4 | 4517.2 | 4702.0 | 4517.2 | 4332.4 | 4286.2 | 3582.7 | 2644.7 | 2175.7 | 1873.0 |
| 115°   | 4077.1 | 4141.1 | 4397.4 | 4653.6 | 4397.4 | 4141.1 | 4077.1 | 3399.3 | 2495.8 | 2044.0 | 1789.1 |
| 117.5° | 3788.2 | 3859.2 | 4143.4 | 4427.7 | 4143.4 | 3859.2 | 3788.2 | 3176.6 | 2361.1 | 1953.3 | 1736.5 |
| 120°   | 3593.6 | 3662.6 | 3938.8 | 4214.9 | 3938.8 | 3662.6 | 3593.6 | 3034.8 | 2289.7 | 1917.1 | 1718.8 |
| 122.5° | 3399.0 | 3467.1 | 3739.5 | 4011.9 | 3739.5 | 3467.1 | 3399.0 | 2895.8 | 2224.7 | 1889.3 | 1709.6 |
| 125°   | 3141.5 | 3204.2 | 3455.2 | 3706.0 | 3455.2 | 3204.2 | 3141.5 | 2714.0 | 2144.0 | 1859.0 | 1701.9 |
| 127.5° | 2934.8 | 2987.7 | 3199.4 | 3411.1 | 3199.4 | 2987.7 | 2934.8 | 2567.8 | 2078.3 | 1833.6 | 1697.5 |
| 130°   | 2804.3 | 2853.2 | 3048.8 | 3244.3 | 3048.8 | 2853.2 | 2804.3 | 2477.5 | 2041.8 | 1823.9 | 1700.1 |
| 132.5° | 2693.0 | 2736.8 | 2911.9 | 3087.1 | 2911.9 | 2736.8 | 2693.0 | 2400.5 | 2010.5 | 1815.5 | 1702.0 |
| 135°   | 2536.0 | 2573.7 | 2724.6 | 2875.6 | 2724.6 | 2573.7 | 2536.0 | 2291.0 | 1964.4 | 1801.0 | 1700.3 |
| 137.5° | 2419.9 | 2450.8 | 2574.3 | 2697.9 | 2574.3 | 2450.8 | 2419.9 | 2212.8 | 1936.7 | 1798.7 | 1710.8 |
| 140°   | 2326.9 | 2355.7 | 2471.2 | 2586.7 | 2471.2 | 2355.7 | 2326.9 | 2148.0 | 1909.4 | 1790.1 | 1712.5 |
| 142.5° | 2261.5 | 2286.4 | 2385.8 | 2485.2 | 2385.8 | 2286.4 | 2261.5 | 2104.4 | 1894.9 | 1790.1 | 1718.7 |
| 145°   | 2163.7 | 2182.5 | 2257.7 | 2332.9 | 2257.7 | 2182.5 | 2163.7 | 2035.1 | 1863.7 | 1778.0 | 1718.7 |
| 147.5° | 2081.4 | 2097.0 | 2159.3 | 2221.6 | 2159.3 | 2097.0 | 2081.4 | 1980.2 | 1845.5 | 1778.0 | 1730.5 |
| 150°   | 2034.3 | 2046.9 | 2097.5 | 2148.0 | 2097.5 | 2046.9 | 2034.3 | 1948.9 | 1835.0 | 1778.0 | 1736.6 |
| 152.5° | 1996.8 | 2006.3 | 2044.5 | 2082.7 | 2044.5 | 2006.3 | 1996.8 | 1923.9 | 1826.7 | 1778.0 | 1740.7 |
| 155°   | 1952.1 | 1958.4 | 1983.7 | 2008.9 | 1983.7 | 1958.4 | 1952.1 | 1894.1 | 1816.7 | 1778.0 | 1749.5 |
| 157.5° | 1913.5 | 1917.9 | 1935.6 | 1953.3 | 1935.6 | 1917.9 | 1913.5 | 1868.3 | 1808.2 | 1778.0 | 1758.4 |
| 160°   | 1894.1 | 1896.6 | 1906.9 | 1917.1 | 1906.9 | 1896.6 | 1894.1 | 1855.4 | 1803.8 | 1778.0 | 1762.4 |
| 162.5° | 1876.0 | 1878.4 | 1888.0 | 1897.7 | 1888.0 | 1878.4 | 1876.0 | 1843.3 | 1799.8 | 1778.0 | 1766.8 |
| 165°   | 1848.2 | 1850.7 | 1861.0 | 1871.1 | 1861.0 | 1850.7 | 1848.2 | 1824.8 | 1793.6 | 1778.0 | 1772.9 |
| 167.5° | 1836.1 | 1837.1 | 1841.5 | 1845.8 | 1841.5 | 1837.1 | 1836.1 | 1820.8 | 1800.3 | 1790.1 | 1785.9 |
| 170°   | 1836.1 | 1836.1 | 1836.1 | 1836.1 | 1836.1 | 1836.1 | 1836.1 | 1820.8 | 1800.3 | 1790.1 | 1789.8 |
| 172.5° | 1826.4 | 1825.4 | 1821.7 | 1817.9 | 1821.7 | 1825.4 | 1826.4 | 1814.3 | 1798.2 | 1790.1 | 1790.1 |
| 175°   | 1813.1 | 1813.1 | 1813.1 | 1813.1 | 1813.1 | 1813.1 | 1813.1 | 1805.4 | 1795.3 | 1790.1 | 1792.6 |
| 177.5° | 1810.7 | 1809.6 | 1805.2 | 1801.0 | 1805.2 | 1809.6 | 1810.7 | 1804.7 | 1796.6 | 1792.6 | 1794.4 |
| 180°   | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 |

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**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 0°     | 3466.3 | 3466.3 | 3466.3 | 3466.3 | 3466.3 |
| 2.5°   | 3423.7 | 3440.0 | 3449.9 | 3463.0 | 3495.8 |
| 5°     | 3292.5 | 3354.8 | 3374.4 | 3423.7 | 3482.7 |
| 7.5°   | 3003.9 | 3194.1 | 3246.5 | 3364.7 | 3456.4 |
| 10°    | 2725.1 | 2915.3 | 3007.2 | 3285.9 | 3423.7 |
| 12.5°  | 2584.1 | 2695.7 | 2758.0 | 3148.2 | 3377.7 |
| 15°    | 2495.6 | 2574.3 | 2620.2 | 2964.6 | 3325.3 |
| 17.5°  | 2426.8 | 2482.5 | 2515.2 | 2784.2 | 3253.1 |
| 20°    | 2384.1 | 2410.3 | 2439.8 | 2653.0 | 3171.1 |
| 22.5°  | 2354.6 | 2338.2 | 2361.2 | 2561.2 | 3059.6 |
| 25°    | 2334.9 | 2272.6 | 2298.9 | 2489.1 | 2928.5 |
| 27.5°  | 2351.3 | 2213.6 | 2223.4 | 2423.5 | 2790.7 |
| 30°    | 2354.6 | 2141.4 | 2144.7 | 2354.6 | 2636.6 |
| 32.5°  | 2331.6 | 2066.0 | 2069.3 | 2269.3 | 2462.8 |
| 35°    | 2275.9 | 1977.4 | 1974.1 | 2170.9 | 2226.7 |
| 37.5°  | 2200.4 | 1882.4 | 1882.4 | 2062.7 | 1967.7 |
| 40°    | 2108.6 | 1787.2 | 1797.1 | 1921.7 | 1738.1 |
| 42.5°  | 1997.1 | 1685.6 | 1698.8 | 1734.8 | 1567.6 |
| 45°    | 1875.8 | 1587.2 | 1597.0 | 1465.9 | 1436.3 |
| 47.5°  | 1741.4 | 1485.6 | 1488.9 | 1216.7 | 1393.7 |
| 50°    | 1580.6 | 1380.6 | 1367.5 | 1042.8 | 1390.4 |
| 52.5°  | 1439.6 | 1265.8 | 1226.5 | 944.5  | 1262.5 |
| 55°    | 1301.9 | 1144.5 | 1059.2 | 869.0  | 1170.7 |
| 57.5°  | 1180.5 | 987.1  | 905.1  | 780.5  | 1151.1 |
| 60°    | 1069.1 | 833.0  | 770.6  | 685.4  | 1055.9 |
| 62.5°  | 977.2  | 718.2  | 705.0  | 619.8  | 957.6  |
| 65°    | 878.9  | 639.4  | 636.1  | 564.1  | 813.3  |
| 67.5°  | 783.7  | 587.0  | 583.7  | 511.5  | 619.8  |
| 70°    | 682.1  | 531.3  | 524.7  | 455.8  | 459.1  |
| 72.5°  | 577.1  | 469.0  | 462.4  | 409.9  | 380.4  |
| 75°    | 472.2  | 396.8  | 393.5  | 357.5  | 308.2  |
| 77.5°  | 370.5  | 314.8  | 321.4  | 288.6  | 226.3  |
| 80°    | 265.6  | 229.6  | 236.1  | 206.6  | 170.5  |
| 82.5°  | 177.1  | 150.9  | 157.4  | 131.2  | 114.7  |
| 85°    | 98.4   | 85.3   | 88.6   | 68.9   | 52.4   |
| 87.5°  | 45.9   | 39.3   | 39.3   | 26.3   | 16.4   |
| 90°    | 53.2   | 33.8   | 31.4   | 21.8   | 12.1   |
| 92.5°  | 328.0  | 233.3  | 212.8  | 130.5  | 48.4   |
| 95°    | 807.0  | 454.5  | 416.9  | 266.5  | 116.1  |
| 97.5°  | 1087.1 | 499.2  | 466.1  | 333.3  | 200.7  |
| 100°   | 1189.1 | 536.7  | 506.6  | 386.2  | 265.9  |
| 102.5° | 1235.8 | 574.1  | 546.0  | 433.8  | 321.5  |
| 105°   | 1270.4 | 629.8  | 606.0  | 510.9  | 415.8  |
| 107.5° | 1276.9 | 711.9  | 689.7  | 601.2  | 512.5  |
| 110°   | 1267.2 | 757.9  | 737.9  | 657.9  | 577.8  |

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CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-W2A-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 1267.5 | 813.5  | 794.4  | 718.1  | 641.9  |
| 115°   | 1279.3 | 896.9  | 879.3  | 808.9  | 738.6  |
| 117.5° | 1303.0 | 977.9  | 961.9  | 898.0  | 834.0  |
| 120°   | 1322.4 | 1025.0 | 1010.0 | 949.8  | 889.6  |
| 122.5° | 1350.2 | 1080.6 | 1065.4 | 1004.8 | 944.0  |
| 125°   | 1387.6 | 1151.9 | 1138.1 | 1082.8 | 1027.4 |
| 127.5° | 1425.1 | 1220.8 | 1206.9 | 1151.0 | 1095.2 |
| 130°   | 1452.5 | 1266.8 | 1251.8 | 1191.6 | 1131.4 |
| 132.5° | 1474.7 | 1304.3 | 1289.3 | 1229.1 | 1168.9 |
| 135°   | 1498.8 | 1347.8 | 1334.1 | 1279.3 | 1224.4 |
| 137.5° | 1535.1 | 1403.3 | 1389.7 | 1335.6 | 1281.3 |
| 140°   | 1557.3 | 1440.8 | 1428.3 | 1378.4 | 1328.4 |
| 142.5° | 1575.8 | 1468.6 | 1457.1 | 1410.9 | 1364.6 |
| 145°   | 1600.0 | 1511.0 | 1500.9 | 1460.6 | 1420.3 |
| 147.5° | 1635.5 | 1564.2 | 1554.4 | 1515.1 | 1475.9 |
| 150°   | 1653.9 | 1591.9 | 1583.1 | 1547.6 | 1512.1 |
| 152.5° | 1666.1 | 1610.1 | 1603.4 | 1576.5 | 1549.6 |
| 155°   | 1692.6 | 1649.9 | 1645.0 | 1625.1 | 1605.2 |
| 157.5° | 1719.2 | 1689.8 | 1685.0 | 1665.7 | 1646.3 |
| 160°   | 1731.3 | 1708.0 | 1704.2 | 1689.2 | 1674.1 |
| 162.5° | 1744.2 | 1727.3 | 1724.5 | 1713.2 | 1702.0 |
| 165°   | 1762.7 | 1755.1 | 1752.5 | 1742.3 | 1732.1 |
| 167.5° | 1777.2 | 1770.8 | 1769.6 | 1764.7 | 1759.9 |
| 170°   | 1789.4 | 1789.0 | 1787.7 | 1782.9 | 1778.0 |
| 172.5° | 1790.1 | 1790.1 | 1789.8 | 1788.8 | 1787.7 |
| 175°   | 1797.4 | 1801.0 | 1801.0 | 1801.0 | 1801.0 |
| 177.5° | 1798.2 | 1801.0 | 1801.0 | 1801.0 | 1801.0 |
| 180°   | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 |

TEST NUMBER: P936194

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-W2A-W-8-3500K

**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 | 13.83            | 14.63 | 14.84 | 15.65 | 17.02 | 16.67          | 17.47 | 17.68 | 18.49 | 19.85 |
|                 | 3H   | 14.30            | 15.02 | 15.32 | 16.05 | 17.43 | 18.01          | 18.73 | 19.03 | 19.76 | 21.14 |
|                 | 4H   | 14.49            | 15.17 | 15.52 | 16.20 | 17.59 | 18.45          | 19.14 | 19.49 | 20.17 | 21.56 |
|                 | 6H   | 14.60            | 15.23 | 15.65 | 16.27 | 17.67 | 18.74          | 19.37 | 19.78 | 20.40 | 21.80 |
|                 | 8H   | 14.60            | 15.20 | 15.65 | 16.26 | 17.65 | 18.81          | 19.41 | 19.86 | 20.46 | 21.86 |
|                 | 12H  | 14.57            | 15.14 | 15.63 | 16.19 | 17.61 | 18.85          | 19.42 | 19.90 | 20.46 | 21.88 |
| 4H              | 2H   | 14.85            | 15.54 | 15.90 | 16.57 | 17.96 | 17.07          | 17.75 | 18.11 | 18.78 | 20.17 |
|                 | 3H   | 15.88            | 16.45 | 16.93 | 17.51 | 18.91 | 18.57          | 19.14 | 19.62 | 20.20 | 21.60 |
|                 | 4H   | 16.15            | 16.67 | 17.21 | 17.72 | 19.15 | 19.10          | 19.62 | 20.15 | 20.67 | 22.10 |
|                 | 6H   | 16.27            | 16.72 | 17.34 | 17.80 | 19.21 | 19.46          | 19.91 | 20.53 | 20.98 | 22.40 |
|                 | 8H   | 16.28            | 16.70 | 17.34 | 17.76 | 19.20 | 19.57          | 19.99 | 20.63 | 21.05 | 22.49 |
|                 | 12H  | 16.24            | 16.62 | 17.32 | 17.70 | 19.14 | 19.62          | 20.00 | 20.71 | 21.08 | 22.52 |
| 8H              | 4H   | 16.60            | 17.02 | 17.67 | 18.09 | 19.52 | 19.22          | 19.64 | 20.28 | 20.70 | 22.14 |
|                 | 6H   | 16.86            | 17.21 | 17.95 | 18.32 | 19.75 | 19.65          | 20.00 | 20.74 | 21.11 | 22.54 |
|                 | 8H   | 16.90            | 17.21 | 18.00 | 18.30 | 19.75 | 19.81          | 20.11 | 20.90 | 21.20 | 22.65 |
|                 | 12H  | 16.88            | 17.15 | 17.98 | 18.24 | 19.73 | 19.90          | 20.17 | 21.00 | 21.26 | 22.75 |
| 12H             | 4H   | 16.60            | 16.98 | 17.69 | 18.06 | 19.50 | 19.18          | 19.56 | 20.26 | 20.64 | 22.08 |
|                 | 6H   | 16.92            | 17.22 | 18.02 | 18.32 | 19.77 | 19.65          | 19.95 | 20.75 | 21.05 | 22.50 |
|                 | 8H   | 16.98            | 17.25 | 18.08 | 18.34 | 19.83 | 19.81          | 20.08 | 20.91 | 21.17 | 22.66 |

END OF REPORT