

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: P935977

Luminaire Tested: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-12-2700K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P935977  
REPORT IS A COMBINATION OF REPORTS P933773 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-12-2700K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

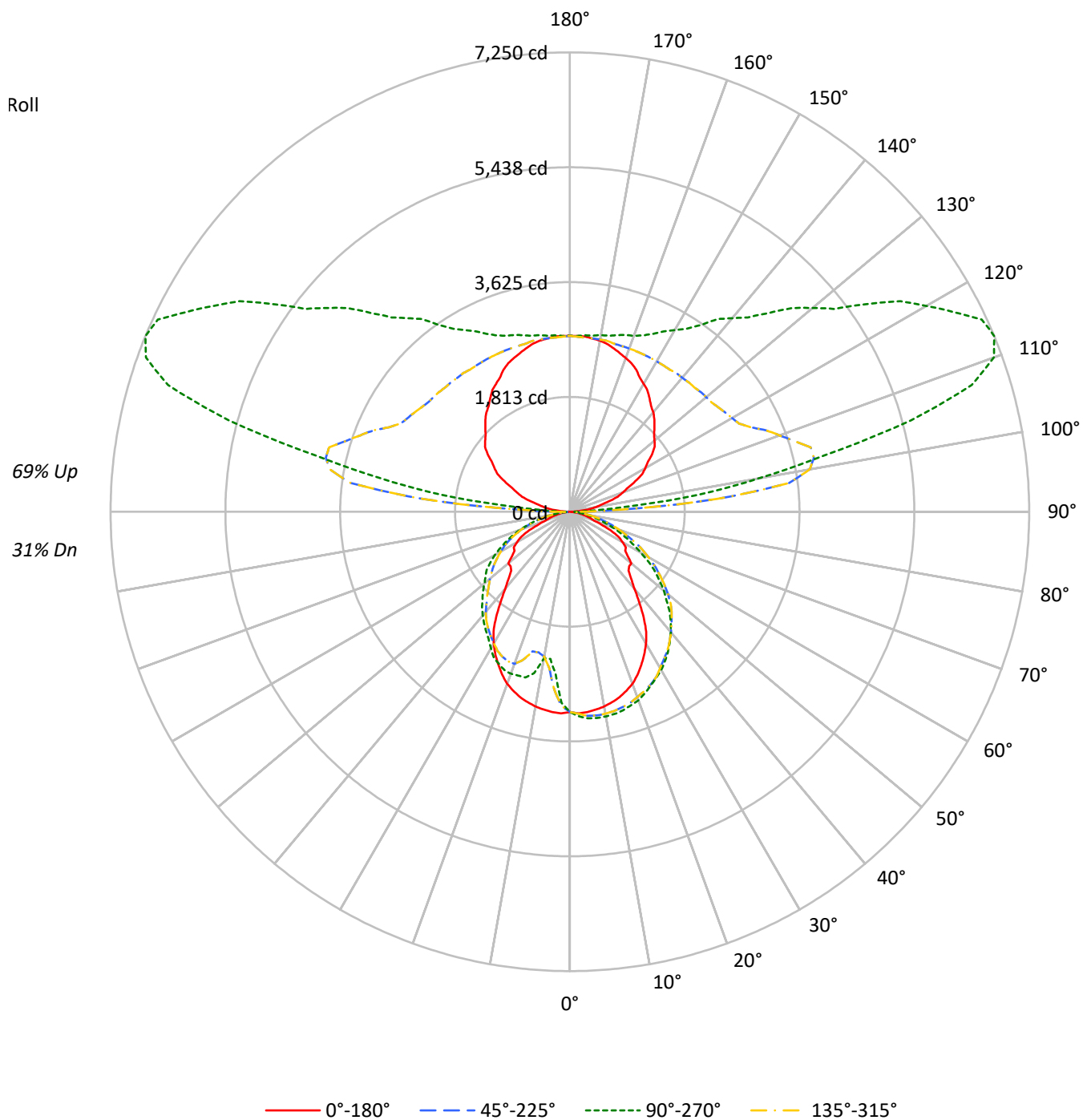
Lumens per Lamp: N/A  
Luminaire Lumens: 26200.6 lumens  
Efficiency: N/A  
Efficacy: 137.3 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: Semi-Indirect

Input Watts (W): 190.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P935977

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-12-2700K

### Luminous Intensity Polar Plot



TEST NUMBER: P935977

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-12-2700K

**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 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 103 | 103 | 103 | 103 | 92 | 92 | 92 | 92 | 73 | 73 | 73 | 55 | 55 | 55 | 39 | 39 | 39 |
| 1   | 94  | 89  | 86  | 82  | 84 | 81 | 77 | 75 | 64 | 62 | 60 | 49 | 47 | 46 | 34 | 34 | 33 |
| 2   | 85  | 78  | 72  | 67  | 76 | 70 | 65 | 61 | 56 | 52 | 49 | 43 | 40 | 38 | 30 | 29 | 28 |
| 3   | 78  | 69  | 61  | 56  | 70 | 62 | 56 | 51 | 49 | 45 | 42 | 38 | 35 | 32 | 27 | 25 | 24 |
| 4   | 71  | 61  | 53  | 47  | 64 | 55 | 48 | 43 | 44 | 39 | 35 | 33 | 30 | 28 | 24 | 22 | 20 |
| 5   | 65  | 54  | 46  | 40  | 58 | 49 | 42 | 37 | 39 | 34 | 30 | 30 | 27 | 24 | 22 | 19 | 18 |
| 6   | 60  | 48  | 40  | 35  | 54 | 44 | 37 | 32 | 35 | 30 | 26 | 27 | 23 | 21 | 19 | 17 | 15 |
| 7   | 55  | 43  | 36  | 30  | 49 | 39 | 33 | 28 | 32 | 27 | 23 | 24 | 21 | 18 | 18 | 15 | 14 |
| 8   | 51  | 39  | 32  | 27  | 46 | 36 | 29 | 24 | 29 | 24 | 20 | 22 | 19 | 16 | 16 | 14 | 12 |
| 9   | 47  | 36  | 28  | 23  | 43 | 32 | 26 | 22 | 26 | 21 | 18 | 20 | 17 | 14 | 15 | 13 | 11 |
| 10  | 44  | 33  | 26  | 21  | 40 | 30 | 23 | 19 | 24 | 19 | 16 | 19 | 15 | 13 | 14 | 12 | 10 |

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

|     | 0°   | 90°  | 180° | 270° |
|-----|------|------|------|------|
| 0°  | 9769 | 9769 | 9769 | 9769 |
| 5°  | 9846 | 9862 | 9846 | 7754 |
| 10° | 9784 | 9714 | 9784 | 6945 |
| 15° | 9681 | 9504 | 9681 | 7936 |
| 20° | 9482 | 9254 | 9482 | 7952 |
| 25° | 9072 | 8891 | 9072 | 7784 |
| 30° | 8539 | 8589 | 8539 | 7414 |
| 35° | 7617 | 8207 | 7617 | 7007 |
| 40° | 6350 | 7757 | 6350 | 6700 |
| 45° | 5677 | 7231 | 5677 | 6347 |
| 50° | 6036 | 6603 | 6036 | 5992 |
| 55° | 5685 | 5927 | 5685 | 5787 |
| 60° | 5867 | 5034 | 5867 | 5300 |
| 65° | 5328 | 4161 | 5328 | 4652 |
| 70° | 3698 | 3316 | 3698 | 3899 |
| 75° | 3256 | 2451 | 3256 | 2935 |
| 80° | 2643 | 1621 | 2643 | 1765 |
| 85° | 1549 | 858  | 1549 | 730  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 8696 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 285.1   | 1.1       |
| 10°-20°   | 809.5   | 3.1       |
| 20°-30°   | 1251.3  | 4.8       |
| 30°-40°   | 1493.8  | 5.7       |
| 40°-50°   | 1502.5  | 5.7       |
| 50°-60°   | 1307.4  | 5.0       |
| 60°-70°   | 926.9   | 3.5       |
| 70°-80°   | 490.4   | 1.9       |
| 80°-90°   | 132.7   | 0.5       |
| 90°-100°  | 1353.6  | 5.2       |
| 100°-110° | 3558.6  | 13.6      |
| 110°-120° | 3689.9  | 14.1      |
| 120°-130° | 2959.7  | 11.3      |
| 130°-140° | 2322.3  | 8.9       |
| 140°-150° | 1782.5  | 6.8       |
| 150°-160° | 1283.7  | 4.9       |
| 160°-170° | 785.4   | 3.0       |
| 170°-180° | 265.4   | 1.0       |
| 0°-30°    | 2345.9  | 9.0       |
| 0°-40°    | 3839.7  | 14.7      |
| 0°-60°    | 6649.5  | 25.4      |
| 0°-90°    | 8199.6  | 31.3      |
| 90°-120°  | 8602.0  | 32.8      |
| 90°-150°  | 15666.6 | 59.8      |
| 90°-180°  | 18001.0 | 68.7      |
| 0°-180°   | 26200.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 3158 | 3158 | 3158 | 3158 | 3158 |      |
| 5°   | 3173 | 3272 | 3173 | 2573 | 3173 | 301  |
| 15°  | 3030 | 3242 | 3030 | 2707 | 3030 | 853  |
| 25°  | 2668 | 3024 | 2668 | 2648 | 2668 | 1225 |
| 35°  | 2029 | 2698 | 2029 | 2304 | 2029 | 1255 |
| 45°  | 1309 | 2223 | 1309 | 1951 | 1309 | 1048 |
| 55°  | 1067 | 1640 | 1067 | 1602 | 1067 | 980  |
| 65°  | 741  | 989  | 741  | 1106 | 741  | 708  |
| 75°  | 281  | 469  | 281  | 562  | 281  | 295  |
| 85°  | 48   | 120  | 48   | 102  | 48   | 65   |
| 90°  | 19   | 71   | 19   | 71   | 19   | 17   |
| 95°  | 179  | 818  | 179  | 818  | 179  | 199  |
| 105° | 641  | 5572 | 641  | 5572 | 641  | 680  |
| 115° | 1139 | 7175 | 1139 | 7175 | 1139 | 1125 |
| 125° | 1584 | 5714 | 1584 | 5714 | 1584 | 1406 |
| 135° | 1888 | 4434 | 1888 | 4434 | 1888 | 1461 |
| 145° | 2190 | 3597 | 2190 | 3597 | 2190 | 1372 |
| 155° | 2475 | 3097 | 2475 | 3097 | 2475 | 1137 |
| 165° | 2671 | 2885 | 2671 | 2885 | 2671 | 754  |
| 175° | 2777 | 2796 | 2777 | 2796 | 2777 | 264  |
| 180° | 2777 | 2777 | 2777 | 2777 | 2777 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 |
| 2.5°   | 3185.3 | 3185.3 | 3203.2 | 3209.2 | 3209.2 | 3200.2 | 3191.3 | 3200.2 | 3227.1 | 3236.1 | 3233.1 |
| 5°     | 3173.4 | 3197.3 | 3230.1 | 3236.1 | 3242.1 | 3239.1 | 3233.1 | 3239.1 | 3269.0 | 3274.9 | 3277.9 |
| 7.5°   | 3149.5 | 3194.3 | 3236.1 | 3245.1 | 3254.0 | 3245.1 | 3242.1 | 3248.1 | 3277.9 | 3283.9 | 3283.9 |
| 10°    | 3119.6 | 3182.3 | 3230.1 | 3236.1 | 3245.1 | 3236.1 | 3236.1 | 3248.1 | 3277.9 | 3283.9 | 3286.9 |
| 12.5°  | 3077.7 | 3164.4 | 3209.2 | 3215.2 | 3227.1 | 3224.2 | 3221.2 | 3233.1 | 3263.0 | 3269.0 | 3269.0 |
| 15°    | 3029.9 | 3131.5 | 3173.4 | 3179.3 | 3200.2 | 3194.3 | 3194.3 | 3206.2 | 3239.1 | 3248.1 | 3245.1 |
| 17.5°  | 2964.2 | 3089.7 | 3137.5 | 3146.5 | 3161.4 | 3158.4 | 3161.4 | 3173.4 | 3203.2 | 3209.2 | 3212.2 |
| 20°    | 2889.5 | 3032.9 | 3089.7 | 3098.7 | 3113.6 | 3113.6 | 3113.6 | 3128.5 | 3158.4 | 3170.4 | 3170.4 |
| 22.5°  | 2787.9 | 2973.2 | 3032.9 | 3038.9 | 3056.8 | 3056.8 | 3062.8 | 3083.7 | 3110.6 | 3113.6 | 3113.6 |
| 25°    | 2668.4 | 2907.4 | 2958.2 | 2976.1 | 2994.1 | 3003.0 | 3012.0 | 3024.0 | 3032.9 | 3029.9 | 3032.9 |
| 27.5°  | 2542.8 | 2823.8 | 2889.5 | 2901.4 | 2925.4 | 2934.3 | 2946.3 | 2949.3 | 2952.2 | 2961.2 | 2955.2 |
| 30°    | 2402.4 | 2707.2 | 2805.8 | 2817.8 | 2856.6 | 2862.6 | 2850.7 | 2856.6 | 2871.6 | 2877.5 | 2883.5 |
| 32.5°  | 2244.0 | 2533.8 | 2719.2 | 2746.1 | 2781.9 | 2764.0 | 2761.0 | 2770.0 | 2793.9 | 2793.9 | 2799.9 |
| 35°    | 2028.9 | 2399.4 | 2638.5 | 2662.4 | 2689.3 | 2668.4 | 2680.3 | 2683.3 | 2698.3 | 2707.2 | 2704.2 |
| 37.5°  | 1792.8 | 2282.8 | 2554.7 | 2572.7 | 2593.6 | 2566.7 | 2584.6 | 2593.6 | 2605.5 | 2599.6 | 2599.6 |
| 40°    | 1583.6 | 2100.6 | 2456.1 | 2468.1 | 2486.0 | 2465.1 | 2483.0 | 2489.0 | 2495.0 | 2489.0 | 2486.0 |
| 42.5°  | 1428.3 | 1900.4 | 2351.6 | 2366.5 | 2354.5 | 2369.5 | 2375.5 | 2387.4 | 2378.4 | 2366.5 | 2366.5 |
| 45°    | 1308.7 | 1846.6 | 2238.0 | 2255.9 | 2238.0 | 2261.9 | 2270.9 | 2270.9 | 2244.0 | 2238.0 | 2235.0 |
| 47.5°  | 1269.9 | 1739.0 | 2124.5 | 2124.5 | 2115.5 | 2145.4 | 2160.3 | 2139.4 | 2112.5 | 2103.6 | 2103.6 |
| 50°    | 1266.9 | 1619.5 | 1969.1 | 1957.1 | 1999.0 | 2034.8 | 2019.9 | 1999.0 | 1978.1 | 1945.2 | 1945.2 |
| 52.5°  | 1150.4 | 1473.1 | 1768.9 | 1813.7 | 1879.5 | 1900.4 | 1876.5 | 1855.5 | 1819.7 | 1804.8 | 1792.8 |
| 55°    | 1066.7 | 1320.7 | 1586.6 | 1676.3 | 1745.0 | 1771.9 | 1727.1 | 1706.1 | 1652.4 | 1643.4 | 1637.4 |
| 57.5°  | 1048.8 | 1099.6 | 1419.3 | 1532.8 | 1616.5 | 1613.5 | 1586.6 | 1547.8 | 1503.0 | 1494.0 | 1491.0 |
| 60°    | 962.1  | 794.8  | 1240.0 | 1374.5 | 1461.1 | 1452.2 | 1428.3 | 1392.4 | 1350.6 | 1344.6 | 1338.6 |
| 62.5°  | 872.5  | 576.7  | 1036.8 | 1189.2 | 1311.7 | 1308.7 | 1287.8 | 1234.0 | 1204.2 | 1189.2 | 1177.3 |
| 65°    | 741.0  | 484.1  | 738.0  | 989.0  | 1165.3 | 1171.3 | 1126.5 | 1087.6 | 1054.8 | 1036.8 | 1033.8 |
| 67.5°  | 564.7  | 394.4  | 499.0  | 824.7  | 1024.9 | 1018.9 | 962.1  | 944.2  | 902.4  | 893.4  | 875.5  |
| 70°    | 418.3  | 262.9  | 346.6  | 669.3  | 887.4  | 872.5  | 827.7  | 806.8  | 767.9  | 747.0  | 735.0  |
| 72.5°  | 346.6  | 212.1  | 254.0  | 519.9  | 747.0  | 729.1  | 690.2  | 666.3  | 633.5  | 615.5  | 603.6  |
| 75°    | 280.9  | 224.1  | 194.2  | 385.5  | 606.6  | 594.6  | 558.8  | 534.9  | 508.0  | 484.1  | 487.0  |
| 77.5°  | 206.2  | 209.2  | 155.4  | 283.9  | 481.1  | 463.1  | 442.2  | 412.3  | 400.4  | 376.5  | 376.5  |
| 80°    | 155.4  | 164.3  | 116.5  | 194.2  | 346.6  | 346.6  | 328.7  | 307.8  | 286.8  | 274.9  | 274.9  |
| 82.5°  | 104.6  | 104.6  | 86.7   | 122.5  | 236.1  | 227.1  | 215.1  | 209.2  | 197.2  | 191.2  | 191.2  |
| 85°    | 47.8   | 59.8   | 53.8   | 74.7   | 128.5  | 134.5  | 134.5  | 128.5  | 125.5  | 119.5  | 122.5  |
| 87.5°  | 14.9   | 26.9   | 32.9   | 41.8   | 65.7   | 68.7   | 71.7   | 71.7   | 71.7   | 74.7   | 74.7   |
| 90°    | 18.6   | 33.6   | 48.5   | 52.2   | 82.0   | 121.7  | 141.6  | 125.9  | 94.4   | 70.8   | 70.8   |
| 92.5°  | 74.5   | 201.2  | 328.0  | 359.7  | 505.7  | 700.3  | 797.6  | 699.0  | 501.9  | 354.1  | 340.0  |
| 95°    | 178.9  | 410.8  | 642.7  | 700.7  | 1244.3 | 1969.1 | 2331.4 | 2080.4 | 1578.6 | 1202.1 | 1159.4 |
| 97.5°  | 309.4  | 513.9  | 718.5  | 769.7  | 1676.1 | 2884.5 | 3488.7 | 3330.1 | 3012.9 | 2775.0 | 2693.8 |
| 100°   | 410.0  | 595.5  | 781.1  | 827.5  | 1833.2 | 3174.2 | 3844.7 | 3856.2 | 3879.4 | 3896.8 | 3800.1 |
| 102.5° | 495.7  | 668.8  | 841.9  | 885.2  | 1905.2 | 3265.3 | 3945.4 | 4147.4 | 4551.6 | 4854.8 | 4771.9 |
| 105°   | 641.1  | 787.7  | 934.3  | 971.0  | 1958.7 | 3275.6 | 3934.1 | 4387.2 | 5293.3 | 5972.9 | 5928.4 |
| 107.5° | 790.2  | 926.9  | 1063.5 | 1097.7 | 1968.6 | 3129.8 | 3710.5 | 4342.5 | 5606.4 | 6554.4 | 6565.1 |
| 110°   | 890.8  | 1014.2 | 1137.6 | 1168.5 | 1953.8 | 3000.6 | 3524.1 | 4230.7 | 5643.7 | 6703.5 | 6749.9 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 989.6  | 1107.3 | 1224.9 | 1254.3 | 1954.4 | 2887.8 | 3354.5 | 4077.6 | 5523.8 | 6608.5 | 6679.7 |
| 115°   | 1138.7 | 1247.2 | 1355.8 | 1382.8 | 1972.4 | 2758.4 | 3151.4 | 3848.0 | 5241.2 | 6286.1 | 6384.9 |
| 117.5° | 1285.9 | 1384.4 | 1483.0 | 1507.6 | 2008.9 | 2677.3 | 3011.6 | 3640.3 | 4897.6 | 5840.6 | 5950.2 |
| 120°   | 1371.6 | 1464.4 | 1557.1 | 1580.4 | 2038.8 | 2650.1 | 2955.7 | 3530.1 | 4678.9 | 5540.5 | 5647.0 |
| 122.5° | 1455.5 | 1549.1 | 1642.7 | 1666.1 | 2081.7 | 2635.8 | 2912.9 | 3430.1 | 4464.7 | 5240.6 | 5345.5 |
| 125°   | 1584.1 | 1669.4 | 1754.8 | 1776.1 | 2139.5 | 2624.1 | 2866.3 | 3305.7 | 4184.5 | 4843.5 | 4940.3 |
| 127.5° | 1688.4 | 1774.6 | 1860.7 | 1882.2 | 2197.2 | 2617.2 | 2827.1 | 3204.4 | 3959.0 | 4524.9 | 4606.5 |
| 130°   | 1744.4 | 1837.1 | 1929.8 | 1953.1 | 2239.4 | 2621.3 | 2812.2 | 3148.1 | 3819.9 | 4323.6 | 4399.0 |
| 132.5° | 1802.2 | 1894.9 | 1987.6 | 2010.8 | 2273.6 | 2624.0 | 2799.2 | 3099.9 | 3701.2 | 4152.2 | 4219.8 |
| 135°   | 1887.8 | 1972.3 | 2056.8 | 2078.0 | 2310.9 | 2621.6 | 2776.8 | 3028.6 | 3532.2 | 3909.9 | 3968.1 |
| 137.5° | 1975.5 | 2059.1 | 2142.8 | 2163.7 | 2366.8 | 2637.6 | 2773.1 | 2985.9 | 3411.7 | 3731.0 | 3778.6 |
| 140°   | 2048.2 | 2125.2 | 2202.3 | 2221.5 | 2401.0 | 2640.3 | 2760.0 | 2943.9 | 3311.7 | 3587.5 | 3632.0 |
| 142.5° | 2104.0 | 2175.3 | 2246.5 | 2264.3 | 2429.5 | 2649.9 | 2760.0 | 2921.6 | 3244.6 | 3486.9 | 3525.2 |
| 145°   | 2189.8 | 2252.0 | 2314.0 | 2329.5 | 2466.8 | 2649.9 | 2741.4 | 2873.5 | 3137.7 | 3335.9 | 3364.9 |
| 147.5° | 2275.5 | 2335.9 | 2396.4 | 2411.5 | 2521.5 | 2668.1 | 2741.4 | 2845.4 | 3053.2 | 3209.2 | 3233.2 |
| 150°   | 2331.4 | 2386.1 | 2440.8 | 2454.4 | 2550.1 | 2677.6 | 2741.4 | 2829.2 | 3004.8 | 3136.5 | 3155.9 |
| 152.5° | 2389.2 | 2430.6 | 2472.0 | 2482.3 | 2568.7 | 2683.8 | 2741.4 | 2816.4 | 2966.3 | 3078.7 | 3093.5 |
| 155°   | 2475.0 | 2505.6 | 2536.2 | 2543.9 | 2609.7 | 2697.5 | 2741.4 | 2801.1 | 2920.4 | 3009.8 | 3019.6 |
| 157.5° | 2538.3 | 2568.1 | 2597.9 | 2605.3 | 2650.7 | 2711.1 | 2741.4 | 2787.8 | 2880.5 | 2950.2 | 2957.0 |
| 160°   | 2581.1 | 2604.3 | 2627.5 | 2633.3 | 2669.4 | 2717.4 | 2741.4 | 2781.1 | 2860.6 | 2920.3 | 2924.3 |
| 162.5° | 2624.0 | 2641.4 | 2658.7 | 2663.1 | 2689.2 | 2724.0 | 2741.4 | 2775.0 | 2842.1 | 2892.4 | 2896.1 |
| 165°   | 2670.6 | 2686.3 | 2702.0 | 2706.0 | 2717.8 | 2733.5 | 2741.4 | 2765.4 | 2813.4 | 2849.5 | 2853.4 |
| 167.5° | 2713.5 | 2721.0 | 2728.3 | 2730.2 | 2740.2 | 2753.4 | 2760.0 | 2775.8 | 2807.2 | 2830.8 | 2832.5 |
| 170°   | 2741.4 | 2748.9 | 2756.3 | 2758.2 | 2758.8 | 2759.6 | 2760.0 | 2775.8 | 2807.2 | 2830.8 | 2830.8 |
| 172.5° | 2756.3 | 2757.9 | 2759.6 | 2760.0 | 2760.0 | 2760.0 | 2760.0 | 2772.5 | 2797.4 | 2816.0 | 2814.5 |
| 175°   | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2771.3 | 2763.8 | 2760.0 | 2767.9 | 2783.6 | 2795.5 | 2795.5 |
| 177.5° | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2772.5 | 2766.7 | 2763.8 | 2770.0 | 2782.4 | 2791.7 | 2790.0 |
| 180°   | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 |

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CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 |
| 2.5°   | 3239.1 | 3230.1 | 3239.1 | 3233.1 | 3236.1 | 3227.1 | 3200.2 | 3191.3 | 3200.2 | 3209.2 | 3209.2 |
| 5°     | 3277.9 | 3272.0 | 3277.9 | 3277.9 | 3274.9 | 3269.0 | 3239.1 | 3233.1 | 3239.1 | 3242.1 | 3236.1 |
| 7.5°   | 3289.9 | 3280.9 | 3289.9 | 3283.9 | 3283.9 | 3277.9 | 3248.1 | 3242.1 | 3245.1 | 3254.0 | 3245.1 |
| 10°    | 3289.9 | 3280.9 | 3289.9 | 3286.9 | 3283.9 | 3277.9 | 3248.1 | 3236.1 | 3236.1 | 3245.1 | 3236.1 |
| 12.5°  | 3274.9 | 3269.0 | 3274.9 | 3269.0 | 3269.0 | 3263.0 | 3233.1 | 3221.2 | 3224.2 | 3227.1 | 3215.2 |
| 15°    | 3251.0 | 3242.1 | 3251.0 | 3245.1 | 3248.1 | 3239.1 | 3206.2 | 3194.3 | 3194.3 | 3200.2 | 3179.3 |
| 17.5°  | 3215.2 | 3203.2 | 3215.2 | 3212.2 | 3209.2 | 3203.2 | 3173.4 | 3161.4 | 3158.4 | 3161.4 | 3146.5 |
| 20°    | 3173.4 | 3164.4 | 3173.4 | 3170.4 | 3170.4 | 3158.4 | 3128.5 | 3113.6 | 3113.6 | 3113.6 | 3098.7 |
| 22.5°  | 3107.6 | 3098.7 | 3107.6 | 3113.6 | 3113.6 | 3110.6 | 3083.7 | 3062.8 | 3056.8 | 3056.8 | 3038.9 |
| 25°    | 3032.9 | 3024.0 | 3032.9 | 3032.9 | 3029.9 | 3032.9 | 3024.0 | 3012.0 | 3003.0 | 2994.1 | 2976.1 |
| 27.5°  | 2961.2 | 2955.2 | 2961.2 | 2955.2 | 2961.2 | 2952.2 | 2949.3 | 2946.3 | 2934.3 | 2925.4 | 2901.4 |
| 30°    | 2889.5 | 2883.5 | 2889.5 | 2883.5 | 2877.5 | 2871.6 | 2856.6 | 2850.7 | 2862.6 | 2856.6 | 2817.8 |
| 32.5°  | 2799.9 | 2793.9 | 2799.9 | 2799.9 | 2793.9 | 2793.9 | 2770.0 | 2761.0 | 2764.0 | 2781.9 | 2746.1 |
| 35°    | 2707.2 | 2698.3 | 2707.2 | 2704.2 | 2707.2 | 2698.3 | 2683.3 | 2680.3 | 2668.4 | 2689.3 | 2662.4 |
| 37.5°  | 2599.6 | 2590.6 | 2599.6 | 2599.6 | 2599.6 | 2605.5 | 2593.6 | 2584.6 | 2566.7 | 2593.6 | 2572.7 |
| 40°    | 2489.0 | 2477.1 | 2489.0 | 2486.0 | 2489.0 | 2495.0 | 2489.0 | 2483.0 | 2465.1 | 2486.0 | 2468.1 |
| 42.5°  | 2363.5 | 2360.5 | 2363.5 | 2366.5 | 2366.5 | 2378.4 | 2387.4 | 2375.5 | 2369.5 | 2354.5 | 2366.5 |
| 45°    | 2229.0 | 2223.1 | 2229.0 | 2235.0 | 2238.0 | 2244.0 | 2270.9 | 2270.9 | 2261.9 | 2238.0 | 2255.9 |
| 47.5°  | 2085.6 | 2070.7 | 2085.6 | 2103.6 | 2103.6 | 2112.5 | 2139.4 | 2160.3 | 2145.4 | 2115.5 | 2124.5 |
| 50°    | 1933.2 | 1936.2 | 1933.2 | 1945.2 | 1945.2 | 1978.1 | 1999.0 | 2019.9 | 2034.8 | 1999.0 | 1957.1 |
| 52.5°  | 1783.8 | 1780.8 | 1783.8 | 1792.8 | 1804.8 | 1819.7 | 1855.5 | 1876.5 | 1900.4 | 1879.5 | 1813.7 |
| 55°    | 1634.4 | 1640.4 | 1634.4 | 1637.4 | 1643.4 | 1652.4 | 1706.1 | 1727.1 | 1771.9 | 1745.0 | 1676.3 |
| 57.5°  | 1485.0 | 1476.1 | 1485.0 | 1491.0 | 1494.0 | 1503.0 | 1547.8 | 1586.6 | 1613.5 | 1616.5 | 1532.8 |
| 60°    | 1311.7 | 1299.8 | 1311.7 | 1338.6 | 1344.6 | 1350.6 | 1392.4 | 1428.3 | 1452.2 | 1461.1 | 1374.5 |
| 62.5°  | 1159.3 | 1138.4 | 1159.3 | 1177.3 | 1189.2 | 1204.2 | 1234.0 | 1287.8 | 1308.7 | 1311.7 | 1189.2 |
| 65°    | 998.0  | 989.0  | 998.0  | 1033.8 | 1036.8 | 1054.8 | 1087.6 | 1126.5 | 1171.3 | 1165.3 | 989.0  |
| 67.5°  | 851.6  | 851.6  | 851.6  | 875.5  | 893.4  | 902.4  | 944.2  | 962.1  | 1018.9 | 1024.9 | 824.7  |
| 70°    | 717.1  | 714.1  | 717.1  | 735.0  | 747.0  | 767.9  | 806.8  | 827.7  | 872.5  | 887.4  | 669.3  |
| 72.5°  | 588.6  | 585.6  | 588.6  | 603.6  | 615.5  | 633.5  | 666.3  | 690.2  | 729.1  | 747.0  | 519.9  |
| 75°    | 475.1  | 469.1  | 475.1  | 487.0  | 484.1  | 508.0  | 534.9  | 558.8  | 594.6  | 606.6  | 385.5  |
| 77.5°  | 364.5  | 364.5  | 364.5  | 376.5  | 376.5  | 400.4  | 412.3  | 442.2  | 463.1  | 481.1  | 283.9  |
| 80°    | 271.9  | 268.9  | 271.9  | 274.9  | 274.9  | 286.8  | 307.8  | 328.7  | 346.6  | 346.6  | 194.2  |
| 82.5°  | 191.2  | 185.3  | 191.2  | 191.2  | 191.2  | 197.2  | 209.2  | 215.1  | 227.1  | 236.1  | 122.5  |
| 85°    | 119.5  | 119.5  | 119.5  | 122.5  | 119.5  | 125.5  | 128.5  | 134.5  | 134.5  | 128.5  | 74.7   |
| 87.5°  | 77.7   | 74.7   | 77.7   | 74.7   | 74.7   | 71.7   | 71.7   | 71.7   | 68.7   | 65.7   | 41.8   |
| 90°    | 70.8   | 70.8   | 70.8   | 70.8   | 70.8   | 94.4   | 125.9  | 141.6  | 121.7  | 82.0   | 52.2   |
| 92.5°  | 283.7  | 227.4  | 283.7  | 340.0  | 354.1  | 501.9  | 699.0  | 797.6  | 700.3  | 505.7  | 359.7  |
| 95°    | 988.7  | 818.1  | 988.7  | 1159.4 | 1202.1 | 1578.6 | 2080.4 | 2331.4 | 1969.1 | 1244.3 | 700.7  |
| 97.5°  | 2369.1 | 2044.4 | 2369.1 | 2693.8 | 2775.0 | 3012.9 | 3330.1 | 3488.7 | 2884.5 | 1676.1 | 769.7  |
| 100°   | 3413.4 | 3026.5 | 3413.4 | 3800.1 | 3896.8 | 3879.4 | 3856.2 | 3844.7 | 3174.2 | 1833.2 | 827.5  |
| 102.5° | 4440.7 | 4109.3 | 4440.7 | 4771.9 | 4854.8 | 4551.6 | 4147.4 | 3945.4 | 3265.3 | 1905.2 | 885.2  |
| 105°   | 5750.4 | 5572.3 | 5750.4 | 5928.4 | 5972.9 | 5293.3 | 4387.2 | 3934.1 | 3275.6 | 1958.7 | 971.0  |
| 107.5° | 6608.3 | 6651.3 | 6608.3 | 6565.1 | 6554.4 | 5606.4 | 4342.5 | 3710.5 | 3129.8 | 1968.6 | 1097.7 |
| 110°   | 6935.4 | 7121.0 | 6935.4 | 6749.9 | 6703.5 | 5643.7 | 4230.7 | 3524.1 | 3000.6 | 1953.8 | 1168.5 |

TEST NUMBER: P935977

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 6964.6 | 7249.6 | 6964.6 | 6679.7 | 6608.5 | 5523.8 | 4077.6 | 3354.5 | 2887.8 | 1954.4 | 1254.3 |
| 115°   | 6779.9 | 7175.0 | 6779.9 | 6384.9 | 6286.1 | 5241.2 | 3848.0 | 3151.4 | 2758.4 | 1972.4 | 1382.8 |
| 117.5° | 6388.3 | 6826.5 | 6388.3 | 5950.2 | 5840.6 | 4897.6 | 3640.3 | 3011.6 | 2677.3 | 2008.9 | 1507.6 |
| 120°   | 6072.7 | 6498.5 | 6072.7 | 5647.0 | 5540.5 | 4678.9 | 3530.1 | 2955.7 | 2650.1 | 2038.8 | 1580.4 |
| 122.5° | 5765.5 | 6185.5 | 5765.5 | 5345.5 | 5240.6 | 4464.7 | 3430.1 | 2912.9 | 2635.8 | 2081.7 | 1666.1 |
| 125°   | 5327.1 | 5714.0 | 5327.1 | 4940.3 | 4843.5 | 4184.5 | 3305.7 | 2866.3 | 2624.1 | 2139.5 | 1776.1 |
| 127.5° | 4932.9 | 5259.2 | 4932.9 | 4606.5 | 4524.9 | 3959.0 | 3204.4 | 2827.1 | 2617.2 | 2197.2 | 1882.2 |
| 130°   | 4700.5 | 5002.0 | 4700.5 | 4399.0 | 4323.6 | 3819.9 | 3148.1 | 2812.2 | 2621.3 | 2239.4 | 1953.1 |
| 132.5° | 4489.7 | 4759.7 | 4489.7 | 4219.8 | 4152.2 | 3701.2 | 3099.9 | 2799.2 | 2624.0 | 2273.6 | 2010.8 |
| 135°   | 4200.8 | 4433.6 | 4200.8 | 3968.1 | 3909.9 | 3532.2 | 3028.6 | 2776.8 | 2621.6 | 2310.9 | 2078.0 |
| 137.5° | 3969.2 | 4159.6 | 3969.2 | 3778.6 | 3731.0 | 3411.7 | 2985.9 | 2773.1 | 2637.6 | 2366.8 | 2163.7 |
| 140°   | 3810.1 | 3988.2 | 3810.1 | 3632.0 | 3587.5 | 3311.7 | 2943.9 | 2760.0 | 2640.3 | 2401.0 | 2221.5 |
| 142.5° | 3678.4 | 3831.6 | 3678.4 | 3525.2 | 3486.9 | 3244.6 | 2921.6 | 2760.0 | 2649.9 | 2429.5 | 2264.3 |
| 145°   | 3480.9 | 3596.9 | 3480.9 | 3364.9 | 3335.9 | 3137.7 | 2873.5 | 2741.4 | 2649.9 | 2466.8 | 2329.5 |
| 147.5° | 3329.3 | 3425.3 | 3329.3 | 3233.2 | 3209.2 | 3053.2 | 2845.4 | 2741.4 | 2668.1 | 2521.5 | 2411.5 |
| 150°   | 3233.8 | 3311.7 | 3233.8 | 3155.9 | 3136.5 | 3004.8 | 2829.2 | 2741.4 | 2677.6 | 2550.1 | 2454.4 |
| 152.5° | 3152.2 | 3211.0 | 3152.2 | 3093.5 | 3078.7 | 2966.3 | 2816.4 | 2741.4 | 2683.8 | 2568.7 | 2482.3 |
| 155°   | 3058.4 | 3097.4 | 3058.4 | 3019.6 | 3009.8 | 2920.4 | 2801.1 | 2741.4 | 2697.5 | 2609.7 | 2543.9 |
| 157.5° | 2984.3 | 3011.6 | 2984.3 | 2957.0 | 2950.2 | 2880.5 | 2787.8 | 2741.4 | 2711.1 | 2650.7 | 2605.3 |
| 160°   | 2940.0 | 2955.7 | 2940.0 | 2924.3 | 2920.3 | 2860.6 | 2781.1 | 2741.4 | 2717.4 | 2669.4 | 2633.3 |
| 162.5° | 2911.0 | 2925.9 | 2911.0 | 2896.1 | 2892.4 | 2842.1 | 2775.0 | 2741.4 | 2724.0 | 2689.2 | 2663.1 |
| 165°   | 2869.2 | 2884.9 | 2869.2 | 2853.4 | 2849.5 | 2813.4 | 2765.4 | 2741.4 | 2733.5 | 2717.8 | 2706.0 |
| 167.5° | 2839.1 | 2845.8 | 2839.1 | 2832.5 | 2830.8 | 2807.2 | 2775.8 | 2760.0 | 2753.4 | 2740.2 | 2730.2 |
| 170°   | 2830.8 | 2830.8 | 2830.8 | 2830.8 | 2830.8 | 2807.2 | 2775.8 | 2760.0 | 2759.6 | 2758.8 | 2758.2 |
| 172.5° | 2808.7 | 2802.9 | 2808.7 | 2814.5 | 2816.0 | 2797.4 | 2772.5 | 2760.0 | 2760.0 | 2760.0 | 2760.0 |
| 175°   | 2795.5 | 2795.5 | 2795.5 | 2795.5 | 2795.5 | 2783.6 | 2767.9 | 2760.0 | 2763.8 | 2771.3 | 2776.8 |
| 177.5° | 2783.4 | 2776.8 | 2783.4 | 2790.0 | 2791.7 | 2782.4 | 2770.0 | 2763.8 | 2766.7 | 2772.5 | 2776.8 |
| 180°   | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 |

TEST NUMBER: P935977

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 |
| 2.5°   | 3203.2 | 3185.3 | 3185.3 | 3155.4 | 3143.5 | 3134.5 | 3119.6 | 3074.8 | 3062.8 | 3050.8 | 3068.8 |
| 5°     | 3230.1 | 3197.3 | 3173.4 | 3119.6 | 3074.8 | 3056.8 | 3000.1 | 2892.5 | 2820.8 | 2767.0 | 2737.1 |
| 7.5°   | 3236.1 | 3194.3 | 3149.5 | 3065.8 | 2958.2 | 2910.4 | 2737.1 | 2539.8 | 2486.0 | 2438.2 | 2408.3 |
| 10°    | 3230.1 | 3182.3 | 3119.6 | 2994.1 | 2740.1 | 2656.4 | 2483.0 | 2354.5 | 2321.7 | 2312.7 | 2321.7 |
| 12.5°  | 3209.2 | 3164.4 | 3077.7 | 2868.6 | 2512.9 | 2456.1 | 2354.5 | 2279.8 | 2273.9 | 2288.8 | 2369.5 |
| 15°    | 3173.4 | 3131.5 | 3029.9 | 2701.3 | 2387.4 | 2345.6 | 2273.9 | 2247.0 | 2279.8 | 2384.4 | 2626.5 |
| 17.5°  | 3137.5 | 3089.7 | 2964.2 | 2536.8 | 2291.8 | 2261.9 | 2211.1 | 2264.9 | 2450.2 | 2590.6 | 2671.4 |
| 20°    | 3089.7 | 3032.9 | 2889.5 | 2417.3 | 2223.1 | 2196.2 | 2172.3 | 2414.3 | 2554.7 | 2605.5 | 2650.5 |
| 22.5°  | 3032.9 | 2973.2 | 2787.9 | 2333.6 | 2151.4 | 2130.4 | 2145.4 | 2498.0 | 2554.7 | 2590.6 | 2629.4 |
| 25°    | 2958.2 | 2907.4 | 2668.4 | 2267.9 | 2094.6 | 2070.7 | 2127.5 | 2489.0 | 2521.9 | 2530.8 | 2608.5 |
| 27.5°  | 2889.5 | 2823.8 | 2542.8 | 2208.1 | 2025.9 | 2016.9 | 2142.4 | 2450.2 | 2474.1 | 2483.0 | 2566.7 |
| 30°    | 2805.8 | 2707.2 | 2402.4 | 2145.4 | 1954.2 | 1951.2 | 2145.4 | 2402.4 | 2396.4 | 2420.3 | 2503.9 |
| 32.5°  | 2719.2 | 2533.8 | 2244.0 | 2067.7 | 1885.4 | 1882.4 | 2124.5 | 2330.6 | 2324.7 | 2357.5 | 2420.3 |
| 35°    | 2638.5 | 2399.4 | 2028.9 | 1978.1 | 1798.8 | 1801.8 | 2073.7 | 2247.0 | 2250.0 | 2279.8 | 2318.7 |
| 37.5°  | 2554.7 | 2282.8 | 1792.8 | 1879.5 | 1715.1 | 1715.1 | 2004.9 | 2169.3 | 2163.3 | 2172.3 | 2226.1 |
| 40°    | 2456.1 | 2100.6 | 1583.6 | 1751.0 | 1637.4 | 1628.5 | 1921.3 | 2085.6 | 2064.7 | 2061.7 | 2136.4 |
| 42.5°  | 2351.6 | 1900.4 | 1428.3 | 1580.7 | 1547.8 | 1535.8 | 1819.7 | 1984.0 | 1945.2 | 1954.2 | 2049.8 |
| 45°    | 2238.0 | 1846.6 | 1308.7 | 1335.6 | 1455.2 | 1446.2 | 1709.1 | 1867.5 | 1840.6 | 1864.5 | 1963.1 |
| 47.5°  | 2124.5 | 1739.0 | 1269.9 | 1108.5 | 1356.6 | 1353.6 | 1586.6 | 1754.0 | 1739.0 | 1762.9 | 1867.5 |
| 50°    | 1969.1 | 1619.5 | 1266.9 | 950.2  | 1246.0 | 1257.9 | 1440.2 | 1643.4 | 1643.4 | 1664.3 | 1774.9 |
| 52.5°  | 1768.9 | 1473.1 | 1150.4 | 860.5  | 1117.5 | 1153.4 | 1311.7 | 1547.8 | 1553.8 | 1574.7 | 1673.3 |
| 55°    | 1586.6 | 1320.7 | 1066.7 | 791.8  | 965.1  | 1042.8 | 1186.2 | 1449.2 | 1461.1 | 1482.0 | 1571.7 |
| 57.5°  | 1419.3 | 1099.6 | 1048.8 | 711.1  | 824.7  | 899.4  | 1075.7 | 1353.6 | 1359.5 | 1377.5 | 1464.1 |
| 60°    | 1240.0 | 794.8  | 962.1  | 624.5  | 702.2  | 759.0  | 974.1  | 1240.0 | 1260.9 | 1272.9 | 1347.6 |
| 62.5°  | 1036.8 | 576.7  | 872.5  | 564.7  | 642.4  | 654.4  | 890.4  | 1132.5 | 1159.3 | 1168.3 | 1213.1 |
| 65°    | 738.0  | 484.1  | 741.0  | 513.9  | 579.7  | 582.7  | 800.8  | 1021.9 | 1045.8 | 1060.7 | 1093.6 |
| 67.5°  | 499.0  | 394.4  | 564.7  | 466.1  | 531.9  | 534.9  | 714.1  | 893.4  | 926.3  | 938.2  | 959.1  |
| 70°    | 346.6  | 262.9  | 418.3  | 415.3  | 478.1  | 484.1  | 621.5  | 776.9  | 806.8  | 815.7  | 827.7  |
| 72.5°  | 254.0  | 212.1  | 346.6  | 373.5  | 421.3  | 427.3  | 525.9  | 645.4  | 675.3  | 684.3  | 690.2  |
| 75°    | 194.2  | 224.1  | 280.9  | 325.7  | 358.6  | 361.5  | 430.3  | 525.9  | 546.8  | 552.8  | 555.8  |
| 77.5°  | 155.4  | 209.2  | 206.2  | 262.9  | 292.8  | 286.8  | 337.6  | 406.4  | 424.3  | 424.3  | 424.3  |
| 80°    | 116.5  | 164.3  | 155.4  | 188.2  | 215.1  | 209.2  | 242.0  | 289.8  | 295.8  | 301.8  | 298.8  |
| 82.5°  | 86.7   | 104.6  | 104.6  | 119.5  | 143.4  | 137.4  | 161.4  | 188.2  | 188.2  | 188.2  | 194.2  |
| 85°    | 53.8   | 59.8   | 47.8   | 62.7   | 80.7   | 77.7   | 89.6   | 101.6  | 104.6  | 104.6  | 98.6   |
| 87.5°  | 32.9   | 26.9   | 14.9   | 23.9   | 35.9   | 35.9   | 41.8   | 44.8   | 41.8   | 41.8   | 41.8   |
| 90°    | 48.5   | 33.6   | 18.6   | 33.6   | 48.5   | 52.2   | 82.0   | 121.7  | 141.6  | 125.9  | 94.4   |
| 92.5°  | 328.0  | 201.2  | 74.5   | 201.2  | 328.0  | 359.7  | 505.7  | 700.3  | 797.6  | 699.0  | 501.9  |
| 95°    | 642.7  | 410.8  | 178.9  | 410.8  | 642.7  | 700.7  | 1244.3 | 1969.1 | 2331.4 | 2080.4 | 1578.6 |
| 97.5°  | 718.5  | 513.9  | 309.4  | 513.9  | 718.5  | 769.7  | 1676.1 | 2884.5 | 3488.7 | 3330.1 | 3012.9 |
| 100°   | 781.1  | 595.5  | 410.0  | 595.5  | 781.1  | 827.5  | 1833.2 | 3174.2 | 3844.7 | 3856.2 | 3879.4 |
| 102.5° | 841.9  | 668.8  | 495.7  | 668.8  | 841.9  | 885.2  | 1905.2 | 3265.3 | 3945.4 | 4147.4 | 4551.6 |
| 105°   | 934.3  | 787.7  | 641.1  | 787.7  | 934.3  | 971.0  | 1958.7 | 3275.6 | 3934.1 | 4387.2 | 5293.3 |
| 107.5° | 1063.5 | 926.9  | 790.2  | 926.9  | 1063.5 | 1097.7 | 1968.6 | 3129.8 | 3710.5 | 4342.5 | 5606.4 |
| 110°   | 1137.6 | 1014.2 | 890.8  | 1014.2 | 1137.6 | 1168.5 | 1953.8 | 3000.6 | 3524.1 | 4230.7 | 5643.7 |

TEST NUMBER: P935977

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1224.9 | 1107.3 | 989.6  | 1107.3 | 1224.9 | 1254.3 | 1954.4 | 2887.8 | 3354.5 | 4077.6 | 5523.8 |
| 115°   | 1355.8 | 1247.2 | 1138.7 | 1247.2 | 1355.8 | 1382.8 | 1972.4 | 2758.4 | 3151.4 | 3848.0 | 5241.2 |
| 117.5° | 1483.0 | 1384.4 | 1285.9 | 1384.4 | 1483.0 | 1507.6 | 2008.9 | 2677.3 | 3011.6 | 3640.3 | 4897.6 |
| 120°   | 1557.1 | 1464.4 | 1371.6 | 1464.4 | 1557.1 | 1580.4 | 2038.8 | 2650.1 | 2955.7 | 3530.1 | 4678.9 |
| 122.5° | 1642.7 | 1549.1 | 1455.5 | 1549.1 | 1642.7 | 1666.1 | 2081.7 | 2635.8 | 2912.9 | 3430.1 | 4464.7 |
| 125°   | 1754.8 | 1669.4 | 1584.1 | 1669.4 | 1754.8 | 1776.1 | 2139.5 | 2624.1 | 2866.3 | 3305.7 | 4184.5 |
| 127.5° | 1860.7 | 1774.6 | 1688.4 | 1774.6 | 1860.7 | 1882.2 | 2197.2 | 2617.2 | 2827.1 | 3204.4 | 3959.0 |
| 130°   | 1929.8 | 1837.1 | 1744.4 | 1837.1 | 1929.8 | 1953.1 | 2239.4 | 2621.3 | 2812.2 | 3148.1 | 3819.9 |
| 132.5° | 1987.6 | 1894.9 | 1802.2 | 1894.9 | 1987.6 | 2010.8 | 2273.6 | 2624.0 | 2799.2 | 3099.9 | 3701.2 |
| 135°   | 2056.8 | 1972.3 | 1887.8 | 1972.3 | 2056.8 | 2078.0 | 2310.9 | 2621.6 | 2776.8 | 3028.6 | 3532.2 |
| 137.5° | 2142.8 | 2059.1 | 1975.5 | 2059.1 | 2142.8 | 2163.7 | 2366.8 | 2637.6 | 2773.1 | 2985.9 | 3411.7 |
| 140°   | 2202.3 | 2125.2 | 2048.2 | 2125.2 | 2202.3 | 2221.5 | 2401.0 | 2640.3 | 2760.0 | 2943.9 | 3311.7 |
| 142.5° | 2246.5 | 2175.3 | 2104.0 | 2175.3 | 2246.5 | 2264.3 | 2429.5 | 2649.9 | 2760.0 | 2921.6 | 3244.6 |
| 145°   | 2314.0 | 2252.0 | 2189.8 | 2252.0 | 2314.0 | 2329.5 | 2466.8 | 2649.9 | 2741.4 | 2873.5 | 3137.7 |
| 147.5° | 2396.4 | 2335.9 | 2275.5 | 2335.9 | 2396.4 | 2411.5 | 2521.5 | 2668.1 | 2741.4 | 2845.4 | 3053.2 |
| 150°   | 2440.8 | 2386.1 | 2331.4 | 2386.1 | 2440.8 | 2454.4 | 2550.1 | 2677.6 | 2741.4 | 2829.2 | 3004.8 |
| 152.5° | 2472.0 | 2430.6 | 2389.2 | 2430.6 | 2472.0 | 2482.3 | 2568.7 | 2683.8 | 2741.4 | 2816.4 | 2966.3 |
| 155°   | 2536.2 | 2505.6 | 2475.0 | 2505.6 | 2536.2 | 2543.9 | 2609.7 | 2697.5 | 2741.4 | 2801.1 | 2920.4 |
| 157.5° | 2597.9 | 2568.1 | 2538.3 | 2568.1 | 2597.9 | 2605.3 | 2650.7 | 2711.1 | 2741.4 | 2787.8 | 2880.5 |
| 160°   | 2627.5 | 2604.3 | 2581.1 | 2604.3 | 2627.5 | 2633.3 | 2669.4 | 2717.4 | 2741.4 | 2781.1 | 2860.6 |
| 162.5° | 2658.7 | 2641.4 | 2624.0 | 2641.4 | 2658.7 | 2663.1 | 2689.2 | 2724.0 | 2741.4 | 2775.0 | 2842.1 |
| 165°   | 2702.0 | 2686.3 | 2670.6 | 2686.3 | 2702.0 | 2706.0 | 2717.8 | 2733.5 | 2741.4 | 2765.4 | 2813.4 |
| 167.5° | 2728.3 | 2721.0 | 2713.5 | 2721.0 | 2728.3 | 2730.2 | 2740.2 | 2753.4 | 2760.0 | 2775.8 | 2807.2 |
| 170°   | 2756.3 | 2748.9 | 2741.4 | 2748.9 | 2756.3 | 2758.2 | 2758.8 | 2759.6 | 2760.0 | 2775.8 | 2807.2 |
| 172.5° | 2759.6 | 2757.9 | 2756.3 | 2757.9 | 2759.6 | 2760.0 | 2760.0 | 2760.0 | 2760.0 | 2772.5 | 2797.4 |
| 175°   | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2771.3 | 2763.8 | 2760.0 | 2767.9 | 2783.6 |
| 177.5° | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2772.5 | 2766.7 | 2763.8 | 2770.0 | 2782.4 |
| 180°   | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 |

TEST NUMBER: P935977

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 |
| 2.5°   | 3047.9 | 3038.9 | 3050.8 | 3018.0 | 3050.8 | 3038.9 | 3047.9 | 3068.8 | 3050.8 | 3062.8 | 3074.8 |
| 5°     | 2674.4 | 2659.4 | 2611.5 | 2572.7 | 2611.5 | 2659.4 | 2674.4 | 2737.1 | 2767.0 | 2820.8 | 2892.5 |
| 7.5°   | 2390.4 | 2378.4 | 2366.5 | 2342.6 | 2366.5 | 2378.4 | 2390.4 | 2408.3 | 2438.2 | 2486.0 | 2539.8 |
| 10°    | 2327.7 | 2330.6 | 2348.6 | 2345.6 | 2348.6 | 2330.6 | 2327.7 | 2321.7 | 2312.7 | 2321.7 | 2354.5 |
| 12.5°  | 2489.0 | 2515.9 | 2614.5 | 2608.5 | 2614.5 | 2515.9 | 2489.0 | 2369.5 | 2288.8 | 2273.9 | 2279.8 |
| 15°    | 2674.4 | 2683.3 | 2704.2 | 2707.2 | 2704.2 | 2683.3 | 2674.4 | 2626.5 | 2384.4 | 2279.8 | 2247.0 |
| 17.5°  | 2692.3 | 2695.3 | 2710.2 | 2710.2 | 2710.2 | 2695.3 | 2692.3 | 2671.4 | 2590.6 | 2450.2 | 2264.9 |
| 20°    | 2677.3 | 2683.3 | 2713.2 | 2719.2 | 2713.2 | 2683.3 | 2677.3 | 2650.5 | 2605.5 | 2554.7 | 2414.3 |
| 22.5°  | 2671.4 | 2683.3 | 2707.2 | 2704.2 | 2707.2 | 2683.3 | 2671.4 | 2629.4 | 2590.6 | 2554.7 | 2498.0 |
| 25°    | 2641.5 | 2641.5 | 2644.5 | 2647.5 | 2644.5 | 2641.5 | 2641.5 | 2608.5 | 2530.8 | 2521.9 | 2489.0 |
| 27.5°  | 2578.6 | 2584.6 | 2602.5 | 2599.6 | 2602.5 | 2584.6 | 2578.6 | 2566.7 | 2483.0 | 2474.1 | 2450.2 |
| 30°    | 2521.9 | 2515.9 | 2501.0 | 2489.0 | 2501.0 | 2515.9 | 2521.9 | 2503.9 | 2420.3 | 2396.4 | 2402.4 |
| 32.5°  | 2426.3 | 2411.3 | 2396.4 | 2387.4 | 2396.4 | 2411.3 | 2426.3 | 2420.3 | 2357.5 | 2324.7 | 2330.6 |
| 35°    | 2312.7 | 2315.7 | 2312.7 | 2303.7 | 2312.7 | 2315.7 | 2312.7 | 2318.7 | 2279.8 | 2250.0 | 2247.0 |
| 37.5°  | 2232.0 | 2238.0 | 2235.0 | 2223.1 | 2235.0 | 2238.0 | 2232.0 | 2226.1 | 2172.3 | 2163.3 | 2169.3 |
| 40°    | 2148.4 | 2151.4 | 2148.4 | 2139.4 | 2148.4 | 2151.4 | 2148.4 | 2136.4 | 2061.7 | 2064.7 | 2085.6 |
| 42.5°  | 2067.7 | 2064.7 | 2055.7 | 2049.8 | 2055.7 | 2064.7 | 2067.7 | 2049.8 | 1954.2 | 1945.2 | 1984.0 |
| 45°    | 1975.1 | 1978.1 | 1960.1 | 1951.2 | 1960.1 | 1978.1 | 1975.1 | 1963.1 | 1864.5 | 1840.6 | 1867.5 |
| 47.5°  | 1882.4 | 1882.4 | 1867.5 | 1858.5 | 1867.5 | 1882.4 | 1882.4 | 1867.5 | 1762.9 | 1739.0 | 1754.0 |
| 50°    | 1783.8 | 1780.8 | 1759.9 | 1756.9 | 1759.9 | 1780.8 | 1783.8 | 1774.9 | 1664.3 | 1643.4 | 1643.4 |
| 52.5°  | 1670.3 | 1670.3 | 1673.3 | 1679.3 | 1673.3 | 1670.3 | 1670.3 | 1673.3 | 1574.7 | 1553.8 | 1547.8 |
| 55°    | 1571.7 | 1574.7 | 1595.6 | 1601.6 | 1595.6 | 1574.7 | 1571.7 | 1571.7 | 1482.0 | 1461.1 | 1449.2 |
| 57.5°  | 1470.1 | 1470.1 | 1485.0 | 1485.0 | 1485.0 | 1470.1 | 1470.1 | 1464.1 | 1377.5 | 1359.5 | 1353.6 |
| 60°    | 1353.6 | 1359.5 | 1371.5 | 1368.5 | 1371.5 | 1359.5 | 1353.6 | 1347.6 | 1272.9 | 1260.9 | 1240.0 |
| 62.5°  | 1231.1 | 1237.0 | 1240.0 | 1234.0 | 1240.0 | 1237.0 | 1231.1 | 1213.1 | 1168.3 | 1159.3 | 1132.5 |
| 65°    | 1102.6 | 1108.5 | 1111.5 | 1105.6 | 1111.5 | 1108.5 | 1102.6 | 1093.6 | 1060.7 | 1045.8 | 1021.9 |
| 67.5°  | 971.1  | 968.1  | 965.1  | 977.1  | 965.1  | 968.1  | 971.1  | 959.1  | 938.2  | 926.3  | 893.4  |
| 70°    | 836.6  | 836.6  | 833.7  | 839.6  | 833.7  | 836.6  | 836.6  | 827.7  | 815.7  | 806.8  | 776.9  |
| 72.5°  | 693.2  | 690.2  | 702.2  | 693.2  | 702.2  | 690.2  | 693.2  | 690.2  | 684.3  | 675.3  | 645.4  |
| 75°    | 552.8  | 558.8  | 552.8  | 561.7  | 552.8  | 558.8  | 552.8  | 555.8  | 552.8  | 546.8  | 525.9  |
| 77.5°  | 421.3  | 427.3  | 421.3  | 421.3  | 421.3  | 427.3  | 421.3  | 424.3  | 424.3  | 424.3  | 406.4  |
| 80°    | 298.8  | 295.8  | 295.8  | 292.8  | 295.8  | 295.8  | 298.8  | 298.8  | 301.8  | 295.8  | 289.8  |
| 82.5°  | 191.2  | 188.2  | 188.2  | 194.2  | 188.2  | 188.2  | 191.2  | 194.2  | 188.2  | 188.2  | 188.2  |
| 85°    | 104.6  | 107.6  | 101.6  | 101.6  | 101.6  | 107.6  | 104.6  | 98.6   | 104.6  | 104.6  | 101.6  |
| 87.5°  | 38.8   | 35.9   | 35.9   | 35.9   | 35.9   | 35.9   | 38.8   | 41.8   | 41.8   | 41.8   | 44.8   |
| 90°    | 70.8   | 70.8   | 70.8   | 70.8   | 70.8   | 70.8   | 70.8   | 94.4   | 125.9  | 141.6  | 121.7  |
| 92.5°  | 354.1  | 340.0  | 283.7  | 227.4  | 283.7  | 340.0  | 354.1  | 501.9  | 699.0  | 797.6  | 700.3  |
| 95°    | 1202.1 | 1159.4 | 988.7  | 818.1  | 988.7  | 1159.4 | 1202.1 | 1578.6 | 2080.4 | 2331.4 | 1969.1 |
| 97.5°  | 2775.0 | 2693.8 | 2369.1 | 2044.4 | 2369.1 | 2693.8 | 2775.0 | 3012.9 | 3330.1 | 3488.7 | 2884.5 |
| 100°   | 3896.8 | 3800.1 | 3413.4 | 3026.5 | 3413.4 | 3800.1 | 3896.8 | 3879.4 | 3856.2 | 3844.7 | 3174.2 |
| 102.5° | 4854.8 | 4771.9 | 4440.7 | 4109.3 | 4440.7 | 4771.9 | 4854.8 | 4551.6 | 4147.4 | 3945.4 | 3265.3 |
| 105°   | 5972.9 | 5928.4 | 5750.4 | 5572.3 | 5750.4 | 5928.4 | 5972.9 | 5293.3 | 4387.2 | 3934.1 | 3275.6 |
| 107.5° | 6554.4 | 6565.1 | 6608.3 | 6651.3 | 6608.3 | 6565.1 | 6554.4 | 5606.4 | 4342.5 | 3710.5 | 3129.8 |
| 110°   | 6703.5 | 6749.9 | 6935.4 | 7121.0 | 6935.4 | 6749.9 | 6703.5 | 5643.7 | 4230.7 | 3524.1 | 3000.6 |

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CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 6608.5 | 6679.7 | 6964.6 | 7249.6 | 6964.6 | 6679.7 | 6608.5 | 5523.8 | 4077.6 | 3354.5 | 2887.8 |
| 115°   | 6286.1 | 6384.9 | 6779.9 | 7175.0 | 6779.9 | 6384.9 | 6286.1 | 5241.2 | 3848.0 | 3151.4 | 2758.4 |
| 117.5° | 5840.6 | 5950.2 | 6388.3 | 6826.5 | 6388.3 | 5950.2 | 5840.6 | 4897.6 | 3640.3 | 3011.6 | 2677.3 |
| 120°   | 5540.5 | 5647.0 | 6072.7 | 6498.5 | 6072.7 | 5647.0 | 5540.5 | 4678.9 | 3530.1 | 2955.7 | 2650.1 |
| 122.5° | 5240.6 | 5345.5 | 5765.5 | 6185.5 | 5765.5 | 5345.5 | 5240.6 | 4464.7 | 3430.1 | 2912.9 | 2635.8 |
| 125°   | 4843.5 | 4940.3 | 5327.1 | 5714.0 | 5327.1 | 4940.3 | 4843.5 | 4184.5 | 3305.7 | 2866.3 | 2624.1 |
| 127.5° | 4524.9 | 4606.5 | 4932.9 | 5259.2 | 4932.9 | 4606.5 | 4524.9 | 3959.0 | 3204.4 | 2827.1 | 2617.2 |
| 130°   | 4323.6 | 4399.0 | 4700.5 | 5002.0 | 4700.5 | 4399.0 | 4323.6 | 3819.9 | 3148.1 | 2812.2 | 2621.3 |
| 132.5° | 4152.2 | 4219.8 | 4489.7 | 4759.7 | 4489.7 | 4219.8 | 4152.2 | 3701.2 | 3099.9 | 2799.2 | 2624.0 |
| 135°   | 3909.9 | 3968.1 | 4200.8 | 4433.6 | 4200.8 | 3968.1 | 3909.9 | 3532.2 | 3028.6 | 2776.8 | 2621.6 |
| 137.5° | 3731.0 | 3778.6 | 3969.2 | 4159.6 | 3969.2 | 3778.6 | 3731.0 | 3411.7 | 2985.9 | 2773.1 | 2637.6 |
| 140°   | 3587.5 | 3632.0 | 3810.1 | 3988.2 | 3810.1 | 3632.0 | 3587.5 | 3311.7 | 2943.9 | 2760.0 | 2640.3 |
| 142.5° | 3486.9 | 3525.2 | 3678.4 | 3831.6 | 3678.4 | 3525.2 | 3486.9 | 3244.6 | 2921.6 | 2760.0 | 2649.9 |
| 145°   | 3335.9 | 3364.9 | 3480.9 | 3596.9 | 3480.9 | 3364.9 | 3335.9 | 3137.7 | 2873.5 | 2741.4 | 2649.9 |
| 147.5° | 3209.2 | 3233.2 | 3329.3 | 3425.3 | 3329.3 | 3233.2 | 3209.2 | 3053.2 | 2845.4 | 2741.4 | 2668.1 |
| 150°   | 3136.5 | 3155.9 | 3233.8 | 3311.7 | 3233.8 | 3155.9 | 3136.5 | 3004.8 | 2829.2 | 2741.4 | 2677.6 |
| 152.5° | 3078.7 | 3093.5 | 3152.2 | 3211.0 | 3152.2 | 3093.5 | 3078.7 | 2966.3 | 2816.4 | 2741.4 | 2683.8 |
| 155°   | 3009.8 | 3019.6 | 3058.4 | 3097.4 | 3058.4 | 3019.6 | 3009.8 | 2920.4 | 2801.1 | 2741.4 | 2697.5 |
| 157.5° | 2950.2 | 2957.0 | 2984.3 | 3011.6 | 2984.3 | 2957.0 | 2950.2 | 2880.5 | 2787.8 | 2741.4 | 2711.1 |
| 160°   | 2920.3 | 2924.3 | 2940.0 | 2955.7 | 2940.0 | 2924.3 | 2920.3 | 2860.6 | 2781.1 | 2741.4 | 2717.4 |
| 162.5° | 2892.4 | 2896.1 | 2911.0 | 2925.9 | 2911.0 | 2896.1 | 2892.4 | 2842.1 | 2775.0 | 2741.4 | 2724.0 |
| 165°   | 2849.5 | 2853.4 | 2869.2 | 2884.9 | 2869.2 | 2853.4 | 2849.5 | 2813.4 | 2765.4 | 2741.4 | 2733.5 |
| 167.5° | 2830.8 | 2832.5 | 2839.1 | 2845.8 | 2839.1 | 2832.5 | 2830.8 | 2807.2 | 2775.8 | 2760.0 | 2753.4 |
| 170°   | 2830.8 | 2830.8 | 2830.8 | 2830.8 | 2830.8 | 2830.8 | 2830.8 | 2807.2 | 2775.8 | 2760.0 | 2759.6 |
| 172.5° | 2816.0 | 2814.5 | 2808.7 | 2802.9 | 2808.7 | 2814.5 | 2816.0 | 2797.4 | 2772.5 | 2760.0 | 2760.0 |
| 175°   | 2795.5 | 2795.5 | 2795.5 | 2795.5 | 2795.5 | 2795.5 | 2795.5 | 2783.6 | 2767.9 | 2760.0 | 2763.8 |
| 177.5° | 2791.7 | 2790.0 | 2783.4 | 2776.8 | 2783.4 | 2790.0 | 2791.7 | 2782.4 | 2770.0 | 2763.8 | 2766.7 |
| 180°   | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 |

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CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 0°     | 3158.4 | 3158.4 | 3158.4 | 3158.4 | 3158.4 |
| 2.5°   | 3119.6 | 3134.5 | 3143.5 | 3155.4 | 3185.3 |
| 5°     | 3000.1 | 3056.8 | 3074.8 | 3119.6 | 3173.4 |
| 7.5°   | 2737.1 | 2910.4 | 2958.2 | 3065.8 | 3149.5 |
| 10°    | 2483.0 | 2656.4 | 2740.1 | 2994.1 | 3119.6 |
| 12.5°  | 2354.5 | 2456.1 | 2512.9 | 2868.6 | 3077.7 |
| 15°    | 2273.9 | 2345.6 | 2387.4 | 2701.3 | 3029.9 |
| 17.5°  | 2211.1 | 2261.9 | 2291.8 | 2536.8 | 2964.2 |
| 20°    | 2172.3 | 2196.2 | 2223.1 | 2417.3 | 2889.5 |
| 22.5°  | 2145.4 | 2130.4 | 2151.4 | 2333.6 | 2787.9 |
| 25°    | 2127.5 | 2070.7 | 2094.6 | 2267.9 | 2668.4 |
| 27.5°  | 2142.4 | 2016.9 | 2025.9 | 2208.1 | 2542.8 |
| 30°    | 2145.4 | 1951.2 | 1954.2 | 2145.4 | 2402.4 |
| 32.5°  | 2124.5 | 1882.4 | 1885.4 | 2067.7 | 2244.0 |
| 35°    | 2073.7 | 1801.8 | 1798.8 | 1978.1 | 2028.9 |
| 37.5°  | 2004.9 | 1715.1 | 1715.1 | 1879.5 | 1792.8 |
| 40°    | 1921.3 | 1628.5 | 1637.4 | 1751.0 | 1583.6 |
| 42.5°  | 1819.7 | 1535.8 | 1547.8 | 1580.7 | 1428.3 |
| 45°    | 1709.1 | 1446.2 | 1455.2 | 1335.6 | 1308.7 |
| 47.5°  | 1586.6 | 1353.6 | 1356.6 | 1108.5 | 1269.9 |
| 50°    | 1440.2 | 1257.9 | 1246.0 | 950.2  | 1266.9 |
| 52.5°  | 1311.7 | 1153.4 | 1117.5 | 860.5  | 1150.4 |
| 55°    | 1186.2 | 1042.8 | 965.1  | 791.8  | 1066.7 |
| 57.5°  | 1075.7 | 899.4  | 824.7  | 711.1  | 1048.8 |
| 60°    | 974.1  | 759.0  | 702.2  | 624.5  | 962.1  |
| 62.5°  | 890.4  | 654.4  | 642.4  | 564.7  | 872.5  |
| 65°    | 800.8  | 582.7  | 579.7  | 513.9  | 741.0  |
| 67.5°  | 714.1  | 534.9  | 531.9  | 466.1  | 564.7  |
| 70°    | 621.5  | 484.1  | 478.1  | 415.3  | 418.3  |
| 72.5°  | 525.9  | 427.3  | 421.3  | 373.5  | 346.6  |
| 75°    | 430.3  | 361.5  | 358.6  | 325.7  | 280.9  |
| 77.5°  | 337.6  | 286.8  | 292.8  | 262.9  | 206.2  |
| 80°    | 242.0  | 209.2  | 215.1  | 188.2  | 155.4  |
| 82.5°  | 161.4  | 137.4  | 143.4  | 119.5  | 104.6  |
| 85°    | 89.6   | 77.7   | 80.7   | 62.7   | 47.8   |
| 87.5°  | 41.8   | 35.9   | 35.9   | 23.9   | 14.9   |
| 90°    | 82.0   | 52.2   | 48.5   | 33.6   | 18.6   |
| 92.5°  | 505.7  | 359.7  | 328.0  | 201.2  | 74.5   |
| 95°    | 1244.3 | 700.7  | 642.7  | 410.8  | 178.9  |
| 97.5°  | 1676.1 | 769.7  | 718.5  | 513.9  | 309.4  |
| 100°   | 1833.2 | 827.5  | 781.1  | 595.5  | 410.0  |
| 102.5° | 1905.2 | 885.2  | 841.9  | 668.8  | 495.7  |
| 105°   | 1958.7 | 971.0  | 934.3  | 787.7  | 641.1  |
| 107.5° | 1968.6 | 1097.7 | 1063.5 | 926.9  | 790.2  |
| 110°   | 1953.8 | 1168.5 | 1137.6 | 1014.2 | 890.8  |

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CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 1954.4 | 1254.3 | 1224.9 | 1107.3 | 989.6  |
| 115°   | 1972.4 | 1382.8 | 1355.8 | 1247.2 | 1138.7 |
| 117.5° | 2008.9 | 1507.6 | 1483.0 | 1384.4 | 1285.9 |
| 120°   | 2038.8 | 1580.4 | 1557.1 | 1464.4 | 1371.6 |
| 122.5° | 2081.7 | 1666.1 | 1642.7 | 1549.1 | 1455.5 |
| 125°   | 2139.5 | 1776.1 | 1754.8 | 1669.4 | 1584.1 |
| 127.5° | 2197.2 | 1882.2 | 1860.7 | 1774.6 | 1688.4 |
| 130°   | 2239.4 | 1953.1 | 1929.8 | 1837.1 | 1744.4 |
| 132.5° | 2273.6 | 2010.8 | 1987.6 | 1894.9 | 1802.2 |
| 135°   | 2310.9 | 2078.0 | 2056.8 | 1972.3 | 1887.8 |
| 137.5° | 2366.8 | 2163.7 | 2142.8 | 2059.1 | 1975.5 |
| 140°   | 2401.0 | 2221.5 | 2202.3 | 2125.2 | 2048.2 |
| 142.5° | 2429.5 | 2264.3 | 2246.5 | 2175.3 | 2104.0 |
| 145°   | 2466.8 | 2329.5 | 2314.0 | 2252.0 | 2189.8 |
| 147.5° | 2521.5 | 2411.5 | 2396.4 | 2335.9 | 2275.5 |
| 150°   | 2550.1 | 2454.4 | 2440.8 | 2386.1 | 2331.4 |
| 152.5° | 2568.7 | 2482.3 | 2472.0 | 2430.6 | 2389.2 |
| 155°   | 2609.7 | 2543.9 | 2536.2 | 2505.6 | 2475.0 |
| 157.5° | 2650.7 | 2605.3 | 2597.9 | 2568.1 | 2538.3 |
| 160°   | 2669.4 | 2633.3 | 2627.5 | 2604.3 | 2581.1 |
| 162.5° | 2689.2 | 2663.1 | 2658.7 | 2641.4 | 2624.0 |
| 165°   | 2717.8 | 2706.0 | 2702.0 | 2686.3 | 2670.6 |
| 167.5° | 2740.2 | 2730.2 | 2728.3 | 2721.0 | 2713.5 |
| 170°   | 2758.8 | 2758.2 | 2756.3 | 2748.9 | 2741.4 |
| 172.5° | 2760.0 | 2760.0 | 2759.6 | 2757.9 | 2756.3 |
| 175°   | 2771.3 | 2776.8 | 2776.8 | 2776.8 | 2776.8 |
| 177.5° | 2772.5 | 2776.8 | 2776.8 | 2776.8 | 2776.8 |
| 180°   | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 |

TEST NUMBER: P935977

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-12-2700K

**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 | 10.69            | 11.41 | 11.79 | 12.51 | 14.02 | 13.54          | 14.26 | 14.64 | 15.36 | 16.87 |
|                 | 3H   | 11.16            | 11.80 | 12.27 | 12.90 | 14.44 | 14.88          | 15.52 | 15.99 | 16.63 | 18.16 |
|                 | 4H   | 11.34            | 11.95 | 12.46 | 13.06 | 14.59 | 15.32          | 15.93 | 16.45 | 17.04 | 18.58 |
|                 | 6H   | 11.45            | 12.01 | 12.58 | 13.12 | 14.67 | 15.61          | 16.17 | 16.74 | 17.28 | 18.83 |
|                 | 8H   | 11.45            | 11.98 | 12.58 | 13.11 | 14.65 | 15.68          | 16.21 | 16.81 | 17.34 | 18.88 |
|                 | 12H  | 11.41            | 11.92 | 12.55 | 13.04 | 14.61 | 15.72          | 16.22 | 16.85 | 17.34 | 18.91 |
| 4H              | 2H   | 11.71            | 12.32 | 12.84 | 13.43 | 14.96 | 13.93          | 14.54 | 15.06 | 15.65 | 17.19 |
|                 | 3H   | 12.72            | 13.23 | 13.86 | 14.36 | 15.92 | 15.43          | 15.94 | 16.57 | 17.07 | 18.62 |
|                 | 4H   | 12.99            | 13.46 | 14.13 | 14.58 | 16.15 | 15.96          | 16.42 | 17.09 | 17.55 | 19.12 |
|                 | 6H   | 13.11            | 13.51 | 14.25 | 14.66 | 16.22 | 16.32          | 16.72 | 17.46 | 17.86 | 19.43 |
|                 | 8H   | 13.11            | 13.48 | 14.26 | 14.62 | 16.20 | 16.43          | 16.80 | 17.57 | 17.94 | 19.51 |
|                 | 12H  | 13.07            | 13.41 | 14.23 | 14.56 | 16.14 | 16.48          | 16.82 | 17.64 | 17.97 | 19.55 |
| 8H              | 4H   | 13.44            | 13.81 | 14.58 | 14.95 | 16.53 | 16.07          | 16.44 | 17.21 | 17.58 | 19.16 |
|                 | 6H   | 13.69            | 14.00 | 14.86 | 15.18 | 16.76 | 16.50          | 16.81 | 17.67 | 17.99 | 19.57 |
|                 | 8H   | 13.73            | 14.00 | 14.91 | 15.16 | 16.76 | 16.66          | 16.93 | 17.83 | 18.09 | 19.68 |
|                 | 12H  | 13.71            | 13.95 | 14.89 | 15.10 | 16.73 | 16.75          | 16.99 | 17.93 | 18.15 | 19.78 |
| 12H             | 4H   | 13.44            | 13.78 | 14.60 | 14.93 | 16.51 | 16.03          | 16.36 | 17.19 | 17.51 | 19.10 |
|                 | 6H   | 13.75            | 14.02 | 14.92 | 15.18 | 16.78 | 16.50          | 16.77 | 17.67 | 17.93 | 19.52 |
|                 | 8H   | 13.81            | 14.05 | 14.99 | 15.21 | 16.84 | 16.66          | 16.89 | 17.83 | 18.05 | 19.68 |

END OF REPORT