

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: P935353

Luminaire Tested: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

**Test Information**

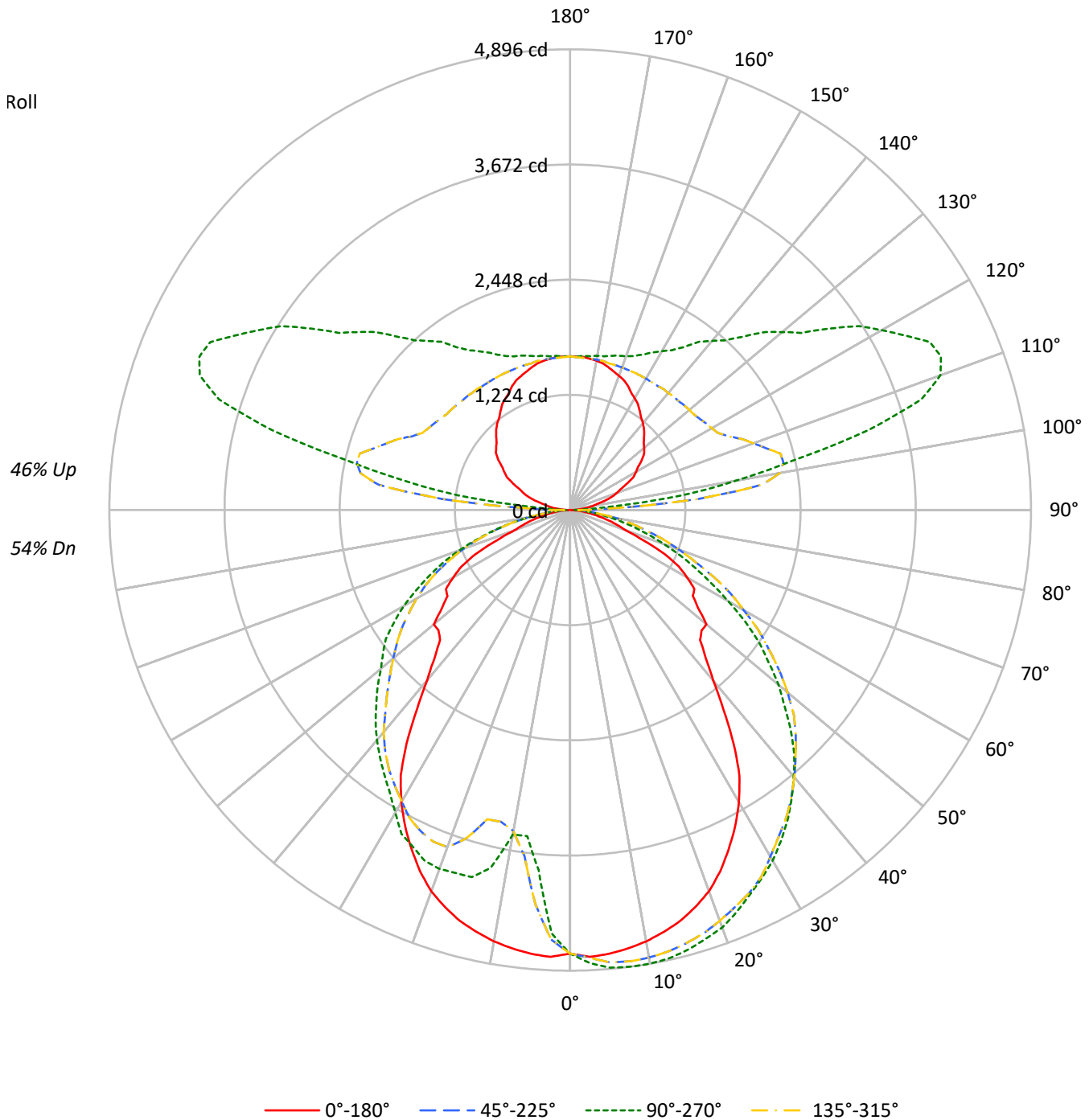
Test Method: LM-79-2019  
Report Number: P935353  
REPORT IS A COMBINATION OF REPORTS P933749 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22812.1 lumens  
Efficiency: N/A  
Efficacy: 110.5 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 206.4  
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 |    |    |    | 10 | 0  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0  |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| 0   | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 85 | 85 | 85 | 72 | 72 | 72 | 59 | 59 | 59 | 54 |
| 1   | 99  | 94  | 90  | 87  | 91  | 88  | 84  | 81  | 75 | 73 | 70 | 63 | 62 | 60 | 53 | 51 | 50 | 45 |
| 2   | 90  | 82  | 76  | 71  | 83  | 77  | 71  | 67  | 66 | 62 | 58 | 56 | 53 | 50 | 46 | 44 | 42 | 38 |
| 3   | 82  | 72  | 65  | 59  | 76  | 67  | 61  | 56  | 58 | 53 | 49 | 49 | 46 | 42 | 41 | 38 | 36 | 32 |
| 4   | 75  | 64  | 56  | 50  | 69  | 60  | 53  | 47  | 51 | 46 | 42 | 44 | 40 | 36 | 37 | 34 | 31 | 28 |
| 5   | 69  | 57  | 49  | 43  | 64  | 53  | 46  | 41  | 46 | 40 | 36 | 39 | 35 | 31 | 33 | 30 | 27 | 24 |
| 6   | 63  | 51  | 43  | 37  | 59  | 48  | 41  | 35  | 41 | 36 | 31 | 35 | 31 | 28 | 30 | 26 | 24 | 21 |
| 7   | 59  | 46  | 38  | 33  | 54  | 43  | 36  | 31  | 38 | 32 | 28 | 32 | 28 | 24 | 27 | 24 | 21 | 19 |
| 8   | 54  | 42  | 34  | 29  | 50  | 39  | 32  | 27  | 34 | 29 | 24 | 29 | 25 | 22 | 25 | 22 | 19 | 17 |
| 9   | 51  | 38  | 31  | 26  | 47  | 36  | 29  | 24  | 31 | 26 | 22 | 27 | 23 | 19 | 23 | 20 | 17 | 15 |
| 10  | 47  | 35  | 28  | 23  | 44  | 33  | 26  | 22  | 29 | 23 | 20 | 25 | 21 | 18 | 21 | 18 | 15 | 13 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 14578 | 14578 | 14578 | 14578 |
| 5°  | 14692 | 14715 | 14692 | 11571 |
| 10° | 14599 | 14495 | 14599 | 10363 |
| 15° | 14445 | 14181 | 14445 | 11842 |
| 20° | 14149 | 13809 | 14149 | 11866 |
| 25° | 13536 | 13267 | 13536 | 11615 |
| 30° | 12742 | 12816 | 12742 | 11063 |
| 35° | 11365 | 12246 | 11365 | 10456 |
| 40° | 9476  | 11575 | 9476  | 9997  |
| 45° | 8472  | 10790 | 8472  | 9470  |
| 50° | 9008  | 9854  | 9008  | 8941  |
| 55° | 8482  | 8845  | 8482  | 8635  |
| 60° | 8756  | 7512  | 8756  | 7909  |
| 65° | 7951  | 6210  | 7951  | 6941  |
| 70° | 5519  | 4949  | 5519  | 5818  |
| 75° | 4857  | 3658  | 4857  | 4381  |
| 80° | 3944  | 2418  | 3944  | 2634  |
| 85° | 2310  | 1281  | 2310  | 1089  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 12977 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 425.4   | 1.9       |
| 10°-20°   | 1207.9  | 5.3       |
| 20°-30°   | 1867.2  | 8.2       |
| 30°-40°   | 2229.0  | 9.8       |
| 40°-50°   | 2242.1  | 9.8       |
| 50°-60°   | 1950.9  | 8.6       |
| 60°-70°   | 1383.2  | 6.1       |
| 70°-80°   | 731.8   | 3.2       |
| 80°-90°   | 188.5   | 0.8       |
| 90°-100°  | 796.0   | 3.5       |
| 100°-110° | 2092.7  | 9.2       |
| 110°-120° | 2170.0  | 9.5       |
| 120°-130° | 1740.6  | 7.6       |
| 130°-140° | 1365.7  | 6.0       |
| 140°-150° | 1048.2  | 4.6       |
| 150°-160° | 754.9   | 3.3       |
| 160°-170° | 461.9   | 2.0       |
| 170°-180° | 156.1   | 0.7       |
| 0°-30°    | 3500.5  | 15.3      |
| 0°-40°    | 5729.5  | 25.1      |
| 0°-60°    | 9922.5  | 43.5      |
| 0°-90°    | 12226.0 | 53.6      |
| 90°-120°  | 5058.7  | 22.2      |
| 90°-150°  | 9213.2  | 40.4      |
| 90°-180°  | 10586.0 | 46.4      |
| 0°-180°   | 22812.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 4713 | 4713 | 4713 | 4713 | 4713 |      |
| 5°   | 4735 | 4882 | 4735 | 3839 | 4735 | 449  |
| 15°  | 4521 | 4838 | 4521 | 4040 | 4521 | 1272 |
| 25°  | 3982 | 4512 | 3982 | 3950 | 3982 | 1828 |
| 35°  | 3028 | 4026 | 3028 | 3438 | 3028 | 1873 |
| 45°  | 1953 | 3317 | 1953 | 2912 | 1953 | 1564 |
| 55°  | 1592 | 2448 | 1592 | 2390 | 1592 | 1463 |
| 65°  | 1106 | 1476 | 1106 | 1650 | 1106 | 1057 |
| 75°  | 419  | 700  | 419  | 838  | 419  | 441  |
| 85°  | 71   | 178  | 71   | 152  | 71   | 96   |
| 90°  | 11   | 42   | 11   | 42   | 11   | 12   |
| 95°  | 105  | 481  | 105  | 481  | 105  | 117  |
| 105° | 377  | 3277 | 377  | 3277 | 377  | 400  |
| 115° | 670  | 4219 | 670  | 4219 | 670  | 661  |
| 125° | 932  | 3360 | 932  | 3360 | 932  | 827  |
| 135° | 1110 | 2607 | 1110 | 2607 | 1110 | 859  |
| 145° | 1288 | 2115 | 1288 | 2115 | 1288 | 807  |
| 155° | 1455 | 1822 | 1455 | 1822 | 1455 | 669  |
| 165° | 1570 | 1696 | 1570 | 1696 | 1570 | 443  |
| 175° | 1633 | 1644 | 1633 | 1644 | 1633 | 155  |
| 180° | 1633 | 1633 | 1633 | 1633 | 1633 |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 |
| 2.5°   | 4753.1 | 4753.1 | 4779.8 | 4788.8 | 4788.8 | 4775.3 | 4762.0 | 4775.3 | 4815.5 | 4828.9 | 4824.4 |
| 5°     | 4735.2 | 4770.9 | 4819.9 | 4828.9 | 4837.8 | 4833.3 | 4824.4 | 4833.3 | 4877.9 | 4886.9 | 4891.3 |
| 7.5°   | 4699.5 | 4766.5 | 4828.9 | 4842.2 | 4855.6 | 4842.2 | 4837.8 | 4846.7 | 4891.3 | 4900.2 | 4900.2 |
| 10°    | 4655.0 | 4748.6 | 4819.9 | 4828.9 | 4842.2 | 4828.9 | 4828.9 | 4846.7 | 4891.3 | 4900.2 | 4904.7 |
| 12.5°  | 4592.5 | 4721.8 | 4788.8 | 4797.6 | 4815.5 | 4811.0 | 4806.6 | 4824.4 | 4868.9 | 4877.9 | 4877.9 |
| 15°    | 4521.2 | 4672.8 | 4735.2 | 4744.1 | 4775.3 | 4766.5 | 4766.5 | 4784.3 | 4833.3 | 4846.7 | 4842.2 |
| 17.5°  | 4423.1 | 4610.4 | 4681.7 | 4695.1 | 4717.4 | 4713.0 | 4717.4 | 4735.2 | 4779.8 | 4788.8 | 4793.2 |
| 20°    | 4311.7 | 4525.6 | 4610.4 | 4623.7 | 4646.0 | 4646.0 | 4646.0 | 4668.3 | 4713.0 | 4730.8 | 4730.8 |
| 22.5°  | 4160.1 | 4436.5 | 4525.6 | 4534.6 | 4561.4 | 4561.4 | 4570.2 | 4601.4 | 4641.6 | 4646.0 | 4646.0 |
| 25°    | 3981.7 | 4338.4 | 4414.2 | 4441.0 | 4467.7 | 4481.1 | 4494.4 | 4512.3 | 4525.6 | 4521.2 | 4525.6 |
| 27.5°  | 3794.4 | 4213.6 | 4311.7 | 4329.5 | 4365.2 | 4378.5 | 4396.3 | 4400.8 | 4405.3 | 4418.6 | 4409.8 |
| 30°    | 3584.9 | 4039.7 | 4186.8 | 4204.6 | 4262.6 | 4271.5 | 4253.7 | 4262.6 | 4284.9 | 4293.8 | 4302.7 |
| 32.5°  | 3348.5 | 3781.1 | 4057.5 | 4097.6 | 4151.1 | 4124.4 | 4119.9 | 4133.3 | 4168.9 | 4168.9 | 4177.9 |
| 35°    | 3027.5 | 3580.4 | 3937.1 | 3972.7 | 4012.9 | 3981.7 | 3999.5 | 4004.0 | 4026.3 | 4039.7 | 4035.2 |
| 37.5°  | 2675.3 | 3406.5 | 3812.3 | 3839.1 | 3870.2 | 3830.1 | 3856.9 | 3870.2 | 3888.1 | 3879.1 | 3879.1 |
| 40°    | 2363.2 | 3134.5 | 3665.2 | 3683.0 | 3709.7 | 3678.5 | 3705.3 | 3714.2 | 3723.1 | 3714.2 | 3709.7 |
| 42.5°  | 2131.3 | 2835.8 | 3509.1 | 3531.4 | 3513.6 | 3535.8 | 3544.7 | 3562.6 | 3549.2 | 3531.4 | 3531.4 |
| 45°    | 1952.9 | 2755.5 | 3339.7 | 3366.4 | 3339.7 | 3375.3 | 3388.7 | 3388.7 | 3348.5 | 3339.7 | 3335.2 |
| 47.5°  | 1895.0 | 2595.0 | 3170.2 | 3170.2 | 3156.8 | 3201.4 | 3223.7 | 3192.4 | 3152.4 | 3139.0 | 3139.0 |
| 50°    | 1890.5 | 2416.6 | 2938.4 | 2920.5 | 2982.9 | 3036.5 | 3014.2 | 2982.9 | 2951.7 | 2902.7 | 2902.7 |
| 52.5°  | 1716.6 | 2198.2 | 2639.6 | 2706.5 | 2804.6 | 2835.8 | 2800.1 | 2768.9 | 2715.4 | 2693.1 | 2675.3 |
| 55°    | 1591.7 | 1970.8 | 2367.6 | 2501.4 | 2603.9 | 2644.0 | 2577.2 | 2545.9 | 2465.7 | 2452.3 | 2443.4 |
| 57.5°  | 1565.0 | 1640.8 | 2117.9 | 2287.4 | 2412.2 | 2407.8 | 2367.6 | 2309.7 | 2242.7 | 2229.4 | 2224.9 |
| 60°    | 1435.8 | 1186.1 | 1850.4 | 2051.0 | 2180.4 | 2166.9 | 2131.3 | 2077.8 | 2015.3 | 2006.5 | 1997.5 |
| 62.5°  | 1302.0 | 860.6  | 1547.2 | 1774.6 | 1957.4 | 1952.9 | 1921.7 | 1841.4 | 1796.9 | 1774.6 | 1756.8 |
| 65°    | 1105.8 | 722.3  | 1101.3 | 1475.9 | 1738.9 | 1747.8 | 1681.0 | 1623.0 | 1573.9 | 1547.2 | 1542.7 |
| 67.5°  | 842.7  | 588.5  | 744.6  | 1230.6 | 1529.4 | 1520.4 | 1435.8 | 1409.0 | 1346.5 | 1333.2 | 1306.4 |
| 70°    | 624.2  | 392.3  | 517.2  | 998.8  | 1324.2 | 1302.0 | 1235.1 | 1203.9 | 1145.9 | 1114.7 | 1096.8 |
| 72.5°  | 517.2  | 316.5  | 379.0  | 775.8  | 1114.7 | 1088.0 | 1030.0 | 994.3  | 945.2  | 918.5  | 900.7  |
| 75°    | 419.1  | 334.4  | 289.8  | 575.2  | 905.1  | 887.3  | 833.8  | 798.1  | 758.0  | 722.3  | 726.8  |
| 77.5°  | 307.7  | 312.1  | 231.9  | 423.6  | 717.8  | 691.1  | 659.9  | 615.3  | 597.5  | 561.8  | 561.8  |
| 80°    | 231.9  | 245.2  | 173.9  | 289.8  | 517.2  | 517.2  | 490.4  | 459.3  | 428.1  | 410.2  | 410.2  |
| 82.5°  | 156.1  | 156.1  | 129.3  | 182.8  | 352.3  | 338.8  | 321.0  | 312.1  | 294.3  | 285.4  | 285.4  |
| 85°    | 71.3   | 89.1   | 80.3   | 111.5  | 191.7  | 200.6  | 200.6  | 191.7  | 187.3  | 178.4  | 182.8  |
| 87.5°  | 22.3   | 40.1   | 49.0   | 62.4   | 98.1   | 102.6  | 107.0  | 107.0  | 107.0  | 111.5  | 111.5  |
| 90°    | 11.0   | 19.8   | 28.5   | 30.7   | 48.2   | 71.6   | 83.3   | 74.0   | 55.5   | 41.6   | 41.6   |
| 92.5°  | 43.8   | 118.3  | 192.9  | 211.5  | 297.4  | 411.8  | 469.1  | 411.1  | 295.2  | 208.2  | 200.0  |
| 95°    | 105.2  | 241.6  | 378.0  | 412.1  | 731.7  | 1158.0 | 1371.0 | 1223.5 | 928.3  | 706.9  | 681.7  |
| 97.5°  | 181.9  | 302.2  | 422.6  | 452.7  | 985.6  | 1696.3 | 2051.6 | 1958.3 | 1771.8 | 1631.9 | 1584.2 |
| 100°   | 241.1  | 350.2  | 459.3  | 486.6  | 1078.0 | 1866.7 | 2261.0 | 2267.9 | 2281.5 | 2291.7 | 2234.8 |
| 102.5° | 291.5  | 393.3  | 495.1  | 520.6  | 1120.4 | 1920.3 | 2320.2 | 2439.0 | 2676.7 | 2855.0 | 2806.3 |
| 105°   | 377.1  | 463.2  | 549.5  | 571.0  | 1151.9 | 1926.4 | 2313.6 | 2580.1 | 3113.0 | 3512.6 | 3486.4 |
| 107.5° | 464.7  | 545.1  | 625.4  | 645.6  | 1157.7 | 1840.6 | 2182.1 | 2553.7 | 3297.1 | 3854.5 | 3860.8 |
| 110°   | 523.9  | 596.5  | 669.0  | 687.2  | 1148.9 | 1764.6 | 2072.4 | 2488.0 | 3318.9 | 3942.2 | 3969.5 |



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|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 582.0  | 651.2  | 720.3  | 737.6  | 1149.3 | 1698.3 | 1972.8 | 2398.0 | 3248.5 | 3886.3 | 3928.2 |
| 115°   | 669.6  | 733.5  | 797.2  | 813.2  | 1159.9 | 1622.1 | 1853.3 | 2262.9 | 3082.2 | 3696.7 | 3754.7 |
| 117.5° | 756.2  | 814.2  | 872.2  | 886.6  | 1181.5 | 1574.5 | 1771.1 | 2140.8 | 2880.2 | 3434.8 | 3499.2 |
| 120°   | 806.6  | 861.2  | 915.8  | 929.4  | 1199.1 | 1558.5 | 1738.2 | 2076.0 | 2751.6 | 3258.3 | 3320.9 |
| 122.5° | 856.0  | 911.1  | 966.0  | 979.8  | 1224.3 | 1550.1 | 1713.0 | 2017.2 | 2625.6 | 3081.9 | 3143.6 |
| 125°   | 931.6  | 981.8  | 1031.9 | 1044.5 | 1258.2 | 1543.2 | 1685.6 | 1944.0 | 2460.8 | 2848.4 | 2905.2 |
| 127.5° | 992.9  | 1043.6 | 1094.3 | 1106.9 | 1292.2 | 1539.1 | 1662.6 | 1884.5 | 2328.2 | 2661.0 | 2708.9 |
| 130°   | 1025.9 | 1080.4 | 1134.9 | 1148.6 | 1317.0 | 1541.6 | 1653.8 | 1851.4 | 2246.4 | 2542.7 | 2587.0 |
| 132.5° | 1059.8 | 1114.4 | 1168.9 | 1182.5 | 1337.0 | 1543.1 | 1646.1 | 1822.9 | 2176.6 | 2441.9 | 2481.6 |
| 135°   | 1110.3 | 1159.9 | 1209.6 | 1222.0 | 1359.0 | 1541.7 | 1633.0 | 1781.1 | 2077.2 | 2299.3 | 2333.6 |
| 137.5° | 1161.7 | 1210.9 | 1260.1 | 1272.4 | 1391.8 | 1551.2 | 1630.8 | 1756.0 | 2006.4 | 2194.2 | 2222.2 |
| 140°   | 1204.5 | 1249.8 | 1295.1 | 1306.4 | 1412.0 | 1552.7 | 1623.1 | 1731.2 | 1947.5 | 2109.8 | 2135.9 |
| 142.5° | 1237.4 | 1279.2 | 1321.1 | 1331.6 | 1428.7 | 1558.3 | 1623.1 | 1718.1 | 1908.1 | 2050.6 | 2073.1 |
| 145°   | 1287.8 | 1324.3 | 1360.8 | 1370.0 | 1450.7 | 1558.4 | 1612.2 | 1689.9 | 1845.2 | 1961.8 | 1978.8 |
| 147.5° | 1338.2 | 1373.8 | 1409.3 | 1418.2 | 1482.8 | 1569.1 | 1612.2 | 1673.3 | 1795.6 | 1887.3 | 1901.4 |
| 150°   | 1371.0 | 1403.2 | 1435.3 | 1443.4 | 1499.7 | 1574.7 | 1612.2 | 1663.9 | 1767.1 | 1844.5 | 1855.9 |
| 152.5° | 1405.0 | 1429.3 | 1453.8 | 1459.8 | 1510.6 | 1578.3 | 1612.2 | 1656.3 | 1744.4 | 1810.5 | 1819.1 |
| 155°   | 1455.4 | 1473.4 | 1491.5 | 1496.0 | 1534.7 | 1586.4 | 1612.2 | 1647.3 | 1717.3 | 1770.0 | 1775.7 |
| 157.5° | 1492.7 | 1510.2 | 1527.8 | 1532.2 | 1558.9 | 1594.5 | 1612.2 | 1639.4 | 1694.0 | 1734.9 | 1738.9 |
| 160°   | 1517.9 | 1531.6 | 1545.2 | 1548.6 | 1569.8 | 1598.1 | 1612.2 | 1635.6 | 1682.3 | 1717.3 | 1719.6 |
| 162.5° | 1543.1 | 1553.3 | 1563.6 | 1566.1 | 1581.5 | 1601.9 | 1612.2 | 1631.9 | 1671.3 | 1700.9 | 1703.1 |
| 165°   | 1570.5 | 1579.7 | 1589.0 | 1591.3 | 1598.2 | 1607.6 | 1612.2 | 1626.3 | 1654.5 | 1675.7 | 1678.0 |
| 167.5° | 1595.7 | 1600.1 | 1604.5 | 1605.6 | 1611.4 | 1619.2 | 1623.1 | 1632.4 | 1650.9 | 1664.8 | 1665.8 |
| 170°   | 1612.2 | 1616.6 | 1621.0 | 1622.0 | 1622.4 | 1622.8 | 1623.1 | 1632.4 | 1650.9 | 1664.8 | 1664.8 |
| 172.5° | 1620.9 | 1621.9 | 1622.8 | 1623.1 | 1623.1 | 1623.1 | 1623.1 | 1630.4 | 1645.1 | 1656.0 | 1655.2 |
| 175°   | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1629.7 | 1625.3 | 1623.1 | 1627.8 | 1637.0 | 1643.9 | 1643.9 |
| 177.5° | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1630.5 | 1627.1 | 1625.3 | 1629.0 | 1636.3 | 1641.7 | 1640.8 |
| 180°   | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 |



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CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 |
| 2.5°   | 4833.3 | 4819.9 | 4833.3 | 4824.4 | 4828.9 | 4815.5 | 4775.3 | 4762.0 | 4775.3 | 4788.8 | 4788.8 |
| 5°     | 4891.3 | 4882.4 | 4891.3 | 4891.3 | 4886.9 | 4877.9 | 4833.3 | 4824.4 | 4833.3 | 4837.8 | 4828.9 |
| 7.5°   | 4909.1 | 4895.7 | 4909.1 | 4900.2 | 4900.2 | 4891.3 | 4846.7 | 4837.8 | 4842.2 | 4855.6 | 4842.2 |
| 10°    | 4909.1 | 4895.7 | 4909.1 | 4904.7 | 4900.2 | 4891.3 | 4846.7 | 4828.9 | 4828.9 | 4842.2 | 4828.9 |
| 12.5°  | 4886.9 | 4877.9 | 4886.9 | 4877.9 | 4877.9 | 4868.9 | 4824.4 | 4806.6 | 4811.0 | 4815.5 | 4797.6 |
| 15°    | 4851.1 | 4837.8 | 4851.1 | 4842.2 | 4846.7 | 4833.3 | 4784.3 | 4766.5 | 4766.5 | 4775.3 | 4744.1 |
| 17.5°  | 4797.6 | 4779.8 | 4797.6 | 4793.2 | 4788.8 | 4779.8 | 4735.2 | 4717.4 | 4713.0 | 4717.4 | 4695.1 |
| 20°    | 4735.2 | 4721.8 | 4735.2 | 4730.8 | 4730.8 | 4713.0 | 4668.3 | 4646.0 | 4646.0 | 4646.0 | 4623.7 |
| 22.5°  | 4637.2 | 4623.7 | 4637.2 | 4646.0 | 4646.0 | 4641.6 | 4601.4 | 4570.2 | 4561.4 | 4561.4 | 4534.6 |
| 25°    | 4525.6 | 4512.3 | 4525.6 | 4525.6 | 4521.2 | 4525.6 | 4512.3 | 4494.4 | 4481.1 | 4467.7 | 4441.0 |
| 27.5°  | 4418.6 | 4409.8 | 4418.6 | 4409.8 | 4418.6 | 4405.3 | 4400.8 | 4396.3 | 4378.5 | 4365.2 | 4329.5 |
| 30°    | 4311.7 | 4302.7 | 4311.7 | 4302.7 | 4293.8 | 4284.9 | 4262.6 | 4253.7 | 4271.5 | 4262.6 | 4204.6 |
| 32.5°  | 4177.9 | 4168.9 | 4177.9 | 4177.9 | 4168.9 | 4168.9 | 4133.3 | 4119.9 | 4124.4 | 4151.1 | 4097.6 |
| 35°    | 4039.7 | 4026.3 | 4039.7 | 4035.2 | 4039.7 | 4026.3 | 4004.0 | 3999.5 | 3981.7 | 4012.9 | 3972.7 |
| 37.5°  | 3879.1 | 3865.8 | 3879.1 | 3879.1 | 3879.1 | 3888.1 | 3870.2 | 3856.9 | 3830.1 | 3870.2 | 3839.1 |
| 40°    | 3714.2 | 3696.3 | 3714.2 | 3709.7 | 3714.2 | 3723.1 | 3714.2 | 3705.3 | 3678.5 | 3709.7 | 3683.0 |
| 42.5°  | 3526.9 | 3522.4 | 3526.9 | 3531.4 | 3531.4 | 3549.2 | 3562.6 | 3544.7 | 3535.8 | 3513.6 | 3531.4 |
| 45°    | 3326.2 | 3317.3 | 3326.2 | 3335.2 | 3339.7 | 3348.5 | 3388.7 | 3388.7 | 3375.3 | 3339.7 | 3366.4 |
| 47.5°  | 3112.3 | 3090.0 | 3112.3 | 3139.0 | 3139.0 | 3152.4 | 3192.4 | 3223.7 | 3201.4 | 3156.8 | 3170.2 |
| 50°    | 2884.9 | 2889.3 | 2884.9 | 2902.7 | 2902.7 | 2951.7 | 2982.9 | 3014.2 | 3036.5 | 2982.9 | 2920.5 |
| 52.5°  | 2661.9 | 2657.5 | 2661.9 | 2675.3 | 2693.1 | 2715.4 | 2768.9 | 2800.1 | 2835.8 | 2804.6 | 2706.5 |
| 55°    | 2439.0 | 2447.9 | 2439.0 | 2443.4 | 2452.3 | 2465.7 | 2545.9 | 2577.2 | 2644.0 | 2603.9 | 2501.4 |
| 57.5°  | 2216.0 | 2202.6 | 2216.0 | 2224.9 | 2229.4 | 2242.7 | 2309.7 | 2367.6 | 2407.8 | 2412.2 | 2287.4 |
| 60°    | 1957.4 | 1939.6 | 1957.4 | 1997.5 | 2006.5 | 2015.3 | 2077.8 | 2131.3 | 2166.9 | 2180.4 | 2051.0 |
| 62.5°  | 1730.0 | 1698.8 | 1730.0 | 1756.8 | 1774.6 | 1796.9 | 1841.4 | 1921.7 | 1952.9 | 1957.4 | 1774.6 |
| 65°    | 1489.2 | 1475.9 | 1489.2 | 1542.7 | 1547.2 | 1573.9 | 1623.0 | 1681.0 | 1747.8 | 1738.9 | 1475.9 |
| 67.5°  | 1270.7 | 1270.7 | 1270.7 | 1306.4 | 1333.2 | 1346.5 | 1409.0 | 1435.8 | 1520.4 | 1529.4 | 1230.6 |
| 70°    | 1070.1 | 1065.6 | 1070.1 | 1096.8 | 1114.7 | 1145.9 | 1203.9 | 1235.1 | 1302.0 | 1324.2 | 998.8  |
| 72.5°  | 878.4  | 873.9  | 878.4  | 900.7  | 918.5  | 945.2  | 994.3  | 1030.0 | 1088.0 | 1114.7 | 775.8  |
| 75°    | 709.0  | 700.0  | 709.0  | 726.8  | 722.3  | 758.0  | 798.1  | 833.8  | 887.3  | 905.1  | 575.2  |
| 77.5°  | 543.9  | 543.9  | 543.9  | 561.8  | 561.8  | 597.5  | 615.3  | 659.9  | 691.1  | 717.8  | 423.6  |
| 80°    | 405.8  | 401.3  | 405.8  | 410.2  | 410.2  | 428.1  | 459.3  | 490.4  | 517.2  | 517.2  | 289.8  |
| 82.5°  | 285.4  | 276.4  | 285.4  | 285.4  | 285.4  | 294.3  | 312.1  | 321.0  | 338.8  | 352.3  | 182.8  |
| 85°    | 178.4  | 178.4  | 178.4  | 182.8  | 178.4  | 187.3  | 191.7  | 200.6  | 200.6  | 191.7  | 111.5  |
| 87.5°  | 115.9  | 111.5  | 115.9  | 111.5  | 111.5  | 107.0  | 107.0  | 107.0  | 102.6  | 98.1   | 62.4   |
| 90°    | 41.6   | 41.6   | 41.6   | 41.6   | 41.6   | 55.5   | 74.0   | 83.3   | 71.6   | 48.2   | 30.7   |
| 92.5°  | 166.8  | 133.7  | 166.8  | 200.0  | 208.2  | 295.2  | 411.1  | 469.1  | 411.8  | 297.4  | 211.5  |
| 95°    | 581.4  | 481.1  | 581.4  | 681.7  | 706.9  | 928.3  | 1223.5 | 1371.0 | 1158.0 | 731.7  | 412.1  |
| 97.5°  | 1393.2 | 1202.3 | 1393.2 | 1584.2 | 1631.9 | 1771.8 | 1958.3 | 2051.6 | 1696.3 | 985.6  | 452.7  |
| 100°   | 2007.4 | 1779.9 | 2007.4 | 2234.8 | 2291.7 | 2281.5 | 2267.9 | 2261.0 | 1866.7 | 1078.0 | 486.6  |
| 102.5° | 2611.5 | 2416.6 | 2611.5 | 2806.3 | 2855.0 | 2676.7 | 2439.0 | 2320.2 | 1920.3 | 1120.4 | 520.6  |
| 105°   | 3381.6 | 3276.9 | 3381.6 | 3486.4 | 3512.6 | 3113.0 | 2580.1 | 2313.6 | 1926.4 | 1151.9 | 571.0  |
| 107.5° | 3886.2 | 3911.5 | 3886.2 | 3860.8 | 3854.5 | 3297.1 | 2553.7 | 2182.1 | 1840.6 | 1157.7 | 645.6  |
| 110°   | 4078.6 | 4187.7 | 4078.6 | 3969.5 | 3942.2 | 3318.9 | 2488.0 | 2072.4 | 1764.6 | 1148.9 | 687.2  |





TEST NUMBER: P935353

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 4095.8 | 4263.4 | 4095.8 | 3928.2 | 3886.3 | 3248.5 | 2398.0 | 1972.8 | 1698.3 | 1149.3 | 737.6  |
| 115°   | 3987.1 | 4219.4 | 3987.1 | 3754.7 | 3696.7 | 3082.2 | 2262.9 | 1853.3 | 1622.1 | 1159.9 | 813.2  |
| 117.5° | 3756.8 | 4014.5 | 3756.8 | 3499.2 | 3434.8 | 2880.2 | 2140.8 | 1771.1 | 1574.5 | 1181.5 | 886.6  |
| 120°   | 3571.3 | 3821.7 | 3571.3 | 3320.9 | 3258.3 | 2751.6 | 2076.0 | 1738.2 | 1558.5 | 1199.1 | 929.4  |
| 122.5° | 3390.5 | 3637.5 | 3390.5 | 3143.6 | 3081.9 | 2625.6 | 2017.2 | 1713.0 | 1550.1 | 1224.3 | 979.8  |
| 125°   | 3132.7 | 3360.2 | 3132.7 | 2905.2 | 2848.4 | 2460.8 | 1944.0 | 1685.6 | 1543.2 | 1258.2 | 1044.5 |
| 127.5° | 2900.9 | 3092.8 | 2900.9 | 2708.9 | 2661.0 | 2328.2 | 1884.5 | 1662.6 | 1539.1 | 1292.2 | 1106.9 |
| 130°   | 2764.3 | 2941.6 | 2764.3 | 2587.0 | 2542.7 | 2246.4 | 1851.4 | 1653.8 | 1541.6 | 1317.0 | 1148.6 |
| 132.5° | 2640.3 | 2799.1 | 2640.3 | 2481.6 | 2441.9 | 2176.6 | 1822.9 | 1646.1 | 1543.1 | 1337.0 | 1182.5 |
| 135°   | 2470.4 | 2607.3 | 2470.4 | 2333.6 | 2299.3 | 2077.2 | 1781.1 | 1633.0 | 1541.7 | 1359.0 | 1222.0 |
| 137.5° | 2334.2 | 2446.2 | 2334.2 | 2222.2 | 2194.2 | 2006.4 | 1756.0 | 1630.8 | 1551.2 | 1391.8 | 1272.4 |
| 140°   | 2240.7 | 2345.4 | 2240.7 | 2135.9 | 2109.8 | 1947.5 | 1731.2 | 1623.1 | 1552.7 | 1412.0 | 1306.4 |
| 142.5° | 2163.2 | 2253.3 | 2163.2 | 2073.1 | 2050.6 | 1908.1 | 1718.1 | 1623.1 | 1558.3 | 1428.7 | 1331.6 |
| 145°   | 2047.1 | 2115.2 | 2047.1 | 1978.8 | 1961.8 | 1845.2 | 1689.9 | 1612.2 | 1558.4 | 1450.7 | 1370.0 |
| 147.5° | 1957.9 | 2014.4 | 1957.9 | 1901.4 | 1887.3 | 1795.6 | 1673.3 | 1612.2 | 1569.1 | 1482.8 | 1418.2 |
| 150°   | 1901.8 | 1947.5 | 1901.8 | 1855.9 | 1844.5 | 1767.1 | 1663.9 | 1612.2 | 1574.7 | 1499.7 | 1443.4 |
| 152.5° | 1853.7 | 1888.3 | 1853.7 | 1819.1 | 1810.5 | 1744.4 | 1656.3 | 1612.2 | 1578.3 | 1510.6 | 1459.8 |
| 155°   | 1798.6 | 1821.5 | 1798.6 | 1775.7 | 1770.0 | 1717.3 | 1647.3 | 1612.2 | 1586.4 | 1534.7 | 1496.0 |
| 157.5° | 1755.0 | 1771.1 | 1755.0 | 1738.9 | 1734.9 | 1694.0 | 1639.4 | 1612.2 | 1594.5 | 1558.9 | 1532.2 |
| 160°   | 1728.9 | 1738.2 | 1728.9 | 1719.6 | 1717.3 | 1682.3 | 1635.6 | 1612.2 | 1598.1 | 1569.8 | 1548.6 |
| 162.5° | 1711.9 | 1720.7 | 1711.9 | 1703.1 | 1700.9 | 1671.3 | 1631.9 | 1612.2 | 1601.9 | 1581.5 | 1566.1 |
| 165°   | 1687.3 | 1696.5 | 1687.3 | 1678.0 | 1675.7 | 1654.5 | 1626.3 | 1612.2 | 1607.6 | 1598.2 | 1591.3 |
| 167.5° | 1669.7 | 1673.5 | 1669.7 | 1665.8 | 1664.8 | 1650.9 | 1632.4 | 1623.1 | 1619.2 | 1611.4 | 1605.6 |
| 170°   | 1664.8 | 1664.8 | 1664.8 | 1664.8 | 1664.8 | 1650.9 | 1632.4 | 1623.1 | 1622.8 | 1622.4 | 1622.0 |
| 172.5° | 1651.7 | 1648.3 | 1651.7 | 1655.2 | 1656.0 | 1645.1 | 1630.4 | 1623.1 | 1623.1 | 1623.1 | 1623.1 |
| 175°   | 1643.9 | 1643.9 | 1643.9 | 1643.9 | 1643.9 | 1637.0 | 1627.8 | 1623.1 | 1625.3 | 1629.7 | 1633.0 |
| 177.5° | 1636.9 | 1633.0 | 1636.9 | 1640.8 | 1641.7 | 1636.3 | 1629.0 | 1625.3 | 1627.1 | 1630.5 | 1633.0 |
| 180°   | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 |



TEST NUMBER: P935353  
 CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 |
| 2.5°   | 4779.8 | 4753.1 | 4753.1 | 4708.5 | 4690.7 | 4677.3 | 4655.0 | 4588.1 | 4570.2 | 4552.4 | 4579.2 |
| 5°     | 4819.9 | 4770.9 | 4735.2 | 4655.0 | 4588.1 | 4561.4 | 4476.6 | 4316.1 | 4209.1 | 4128.8 | 4084.3 |
| 7.5°   | 4828.9 | 4766.5 | 4699.5 | 4574.7 | 4414.2 | 4342.8 | 4084.3 | 3790.0 | 3709.7 | 3638.4 | 3593.7 |
| 10°    | 4819.9 | 4748.6 | 4655.0 | 4467.7 | 4088.7 | 3963.9 | 3705.3 | 3513.6 | 3464.5 | 3451.1 | 3464.5 |
| 12.5°  | 4788.8 | 4721.8 | 4592.5 | 4280.4 | 3749.8 | 3665.2 | 3513.6 | 3402.0 | 3393.1 | 3415.4 | 3535.8 |
| 15°    | 4735.2 | 4672.8 | 4521.2 | 4030.7 | 3562.6 | 3500.1 | 3393.1 | 3353.0 | 3402.0 | 3558.1 | 3919.2 |
| 17.5°  | 4681.7 | 4610.4 | 4423.1 | 3785.5 | 3419.9 | 3375.3 | 3299.5 | 3379.8 | 3656.2 | 3865.8 | 3986.2 |
| 20°    | 4610.4 | 4525.6 | 4311.7 | 3607.2 | 3317.3 | 3277.2 | 3241.5 | 3602.7 | 3812.3 | 3888.1 | 3954.9 |
| 22.5°  | 4525.6 | 4436.5 | 4160.1 | 3482.3 | 3210.4 | 3179.1 | 3201.4 | 3727.5 | 3812.3 | 3865.8 | 3923.7 |
| 25°    | 4414.2 | 4338.4 | 3981.7 | 3384.2 | 3125.6 | 3090.0 | 3174.6 | 3714.2 | 3763.2 | 3776.6 | 3892.5 |
| 27.5°  | 4311.7 | 4213.6 | 3794.4 | 3295.0 | 3023.0 | 3009.7 | 3196.9 | 3656.2 | 3691.9 | 3705.3 | 3830.1 |
| 30°    | 4186.8 | 4039.7 | 3584.9 | 3201.4 | 2916.0 | 2911.6 | 3201.4 | 3584.9 | 3575.9 | 3611.6 | 3736.5 |
| 32.5°  | 4057.5 | 3781.1 | 3348.5 | 3085.5 | 2813.5 | 2809.1 | 3170.2 | 3477.8 | 3468.9 | 3517.9 | 3611.6 |
| 35°    | 3937.1 | 3580.4 | 3027.5 | 2951.7 | 2684.2 | 2688.7 | 3094.4 | 3353.0 | 3357.5 | 3402.0 | 3460.0 |
| 37.5°  | 3812.3 | 3406.5 | 2675.3 | 2804.6 | 2559.4 | 2559.4 | 2991.8 | 3237.1 | 3228.2 | 3241.5 | 3321.8 |
| 40°    | 3665.2 | 3134.5 | 2363.2 | 2612.9 | 2443.4 | 2430.0 | 2867.0 | 3112.3 | 3081.0 | 3076.6 | 3188.1 |
| 42.5°  | 3509.1 | 2835.8 | 2131.3 | 2358.7 | 2309.7 | 2291.8 | 2715.4 | 2960.7 | 2902.7 | 2916.0 | 3058.7 |
| 45°    | 3339.7 | 2755.5 | 1952.9 | 1993.0 | 2171.4 | 2158.1 | 2550.4 | 2786.8 | 2746.6 | 2782.3 | 2929.4 |
| 47.5°  | 3170.2 | 2595.0 | 1895.0 | 1654.2 | 2024.3 | 2019.8 | 2367.6 | 2617.3 | 2595.0 | 2630.7 | 2786.8 |
| 50°    | 2938.4 | 2416.6 | 1890.5 | 1417.9 | 1859.3 | 1877.1 | 2149.1 | 2452.3 | 2452.3 | 2483.6 | 2648.5 |
| 52.5°  | 2639.6 | 2198.2 | 1716.6 | 1284.2 | 1667.5 | 1721.1 | 1957.4 | 2309.7 | 2318.5 | 2349.8 | 2496.9 |
| 55°    | 2367.6 | 1970.8 | 1591.7 | 1181.6 | 1440.2 | 1556.1 | 1770.1 | 2162.5 | 2180.4 | 2211.6 | 2345.3 |
| 57.5°  | 2117.9 | 1640.8 | 1565.0 | 1061.2 | 1230.6 | 1342.1 | 1605.2 | 2019.8 | 2028.8 | 2055.5 | 2184.8 |
| 60°    | 1850.4 | 1186.1 | 1435.8 | 931.9  | 1047.8 | 1132.6 | 1453.6 | 1850.4 | 1881.6 | 1899.4 | 2010.9 |
| 62.5°  | 1547.2 | 860.6  | 1302.0 | 842.7  | 958.7  | 976.5  | 1328.7 | 1689.9 | 1730.0 | 1743.3 | 1810.3 |
| 65°    | 1101.3 | 722.3  | 1105.8 | 766.9  | 865.0  | 869.4  | 1194.9 | 1524.9 | 1560.6 | 1582.9 | 1631.9 |
| 67.5°  | 744.6  | 588.5  | 842.7  | 695.5  | 793.6  | 798.1  | 1065.6 | 1333.2 | 1382.2 | 1400.1 | 1431.3 |
| 70°    | 517.2  | 392.3  | 624.2  | 619.7  | 713.4  | 722.3  | 927.4  | 1159.3 | 1203.9 | 1217.2 | 1235.1 |
| 72.5°  | 379.0  | 316.5  | 517.2  | 557.4  | 628.7  | 637.6  | 784.8  | 963.1  | 1007.7 | 1021.0 | 1030.0 |
| 75°    | 289.8  | 334.4  | 419.1  | 486.0  | 535.1  | 539.5  | 642.0  | 784.8  | 815.9  | 824.9  | 829.3  |
| 77.5°  | 231.9  | 312.1  | 307.7  | 392.3  | 437.0  | 428.1  | 503.9  | 606.4  | 633.2  | 633.2  | 633.2  |
| 80°    | 173.9  | 245.2  | 231.9  | 280.9  | 321.0  | 312.1  | 361.2  | 432.5  | 441.4  | 450.3  | 445.9  |
| 82.5°  | 129.3  | 156.1  | 156.1  | 178.4  | 214.0  | 205.1  | 240.7  | 280.9  | 280.9  | 280.9  | 289.8  |
| 85°    | 80.3   | 89.1   | 71.3   | 93.6   | 120.4  | 115.9  | 133.8  | 151.6  | 156.1  | 156.1  | 147.1  |
| 87.5°  | 49.0   | 40.1   | 22.3   | 35.7   | 53.5   | 53.5   | 62.4   | 66.8   | 62.4   | 62.4   | 62.4   |
| 90°    | 28.5   | 19.8   | 11.0   | 19.8   | 28.5   | 30.7   | 48.2   | 71.6   | 83.3   | 74.0   | 55.5   |
| 92.5°  | 192.9  | 118.3  | 43.8   | 118.3  | 192.9  | 211.5  | 297.4  | 411.8  | 469.1  | 411.1  | 295.2  |
| 95°    | 378.0  | 241.6  | 105.2  | 241.6  | 378.0  | 412.1  | 731.7  | 1158.0 | 1371.0 | 1223.5 | 928.3  |
| 97.5°  | 422.6  | 302.2  | 181.9  | 302.2  | 422.6  | 452.7  | 985.6  | 1696.3 | 2051.6 | 1958.3 | 1771.8 |
| 100°   | 459.3  | 350.2  | 241.1  | 350.2  | 459.3  | 486.6  | 1078.0 | 1866.7 | 2261.0 | 2267.9 | 2281.5 |
| 102.5° | 495.1  | 393.3  | 291.5  | 393.3  | 495.1  | 520.6  | 1120.4 | 1920.3 | 2320.2 | 2439.0 | 2676.7 |
| 105°   | 549.5  | 463.2  | 377.1  | 463.2  | 549.5  | 571.0  | 1151.9 | 1926.4 | 2313.6 | 2580.1 | 3113.0 |
| 107.5° | 625.4  | 545.1  | 464.7  | 545.1  | 625.4  | 645.6  | 1157.7 | 1840.6 | 2182.1 | 2553.7 | 3297.1 |
| 110°   | 669.0  | 596.5  | 523.9  | 596.5  | 669.0  | 687.2  | 1148.9 | 1764.6 | 2072.4 | 2488.0 | 3318.9 |



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**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 720.3  | 651.2  | 582.0  | 651.2  | 720.3  | 737.6  | 1149.3 | 1698.3 | 1972.8 | 2398.0 | 3248.5 |
| 115°   | 797.2  | 733.5  | 669.6  | 733.5  | 797.2  | 813.2  | 1159.9 | 1622.1 | 1853.3 | 2262.9 | 3082.2 |
| 117.5° | 872.2  | 814.2  | 756.2  | 814.2  | 872.2  | 886.6  | 1181.5 | 1574.5 | 1771.1 | 2140.8 | 2880.2 |
| 120°   | 915.8  | 861.2  | 806.6  | 861.2  | 915.8  | 929.4  | 1199.1 | 1558.5 | 1738.2 | 2076.0 | 2751.6 |
| 122.5° | 966.0  | 911.1  | 856.0  | 911.1  | 966.0  | 979.8  | 1224.3 | 1550.1 | 1713.0 | 2017.2 | 2625.6 |
| 125°   | 1031.9 | 981.8  | 931.6  | 981.8  | 1031.9 | 1044.5 | 1258.2 | 1543.2 | 1685.6 | 1944.0 | 2460.8 |
| 127.5° | 1094.3 | 1043.6 | 992.9  | 1043.6 | 1094.3 | 1106.9 | 1292.2 | 1539.1 | 1662.6 | 1884.5 | 2328.2 |
| 130°   | 1134.9 | 1080.4 | 1025.9 | 1080.4 | 1134.9 | 1148.6 | 1317.0 | 1541.6 | 1653.8 | 1851.4 | 2246.4 |
| 132.5° | 1168.9 | 1114.4 | 1059.8 | 1114.4 | 1168.9 | 1182.5 | 1337.0 | 1543.1 | 1646.1 | 1822.9 | 2176.6 |
| 135°   | 1209.6 | 1159.9 | 1110.3 | 1159.9 | 1209.6 | 1222.0 | 1359.0 | 1541.7 | 1633.0 | 1781.1 | 2077.2 |
| 137.5° | 1260.1 | 1210.9 | 1161.7 | 1210.9 | 1260.1 | 1272.4 | 1391.8 | 1551.2 | 1630.8 | 1756.0 | 2006.4 |
| 140°   | 1295.1 | 1249.8 | 1204.5 | 1249.8 | 1295.1 | 1306.4 | 1412.0 | 1552.7 | 1623.1 | 1731.2 | 1947.5 |
| 142.5° | 1321.1 | 1279.2 | 1237.4 | 1279.2 | 1321.1 | 1331.6 | 1428.7 | 1558.3 | 1623.1 | 1718.1 | 1908.1 |
| 145°   | 1360.8 | 1324.3 | 1287.8 | 1324.3 | 1360.8 | 1370.0 | 1450.7 | 1558.4 | 1612.2 | 1689.9 | 1845.2 |
| 147.5° | 1409.3 | 1373.8 | 1338.2 | 1373.8 | 1409.3 | 1418.2 | 1482.8 | 1569.1 | 1612.2 | 1673.3 | 1795.6 |
| 150°   | 1435.3 | 1403.2 | 1371.0 | 1403.2 | 1435.3 | 1443.4 | 1499.7 | 1574.7 | 1612.2 | 1663.9 | 1767.1 |
| 152.5° | 1453.8 | 1429.3 | 1405.0 | 1429.3 | 1453.8 | 1459.8 | 1510.6 | 1578.3 | 1612.2 | 1656.3 | 1744.4 |
| 155°   | 1491.5 | 1473.4 | 1455.4 | 1473.4 | 1491.5 | 1496.0 | 1534.7 | 1586.4 | 1612.2 | 1647.3 | 1717.3 |
| 157.5° | 1527.8 | 1510.2 | 1492.7 | 1510.2 | 1527.8 | 1532.2 | 1558.9 | 1594.5 | 1612.2 | 1639.4 | 1694.0 |
| 160°   | 1545.2 | 1531.6 | 1517.9 | 1531.6 | 1545.2 | 1548.6 | 1569.8 | 1598.1 | 1612.2 | 1635.6 | 1682.3 |
| 162.5° | 1563.6 | 1553.3 | 1543.1 | 1553.3 | 1563.6 | 1566.1 | 1581.5 | 1601.9 | 1612.2 | 1631.9 | 1671.3 |
| 165°   | 1589.0 | 1579.7 | 1570.5 | 1579.7 | 1589.0 | 1591.3 | 1598.2 | 1607.6 | 1612.2 | 1626.3 | 1654.5 |
| 167.5° | 1604.5 | 1600.1 | 1595.7 | 1600.1 | 1604.5 | 1605.6 | 1611.4 | 1619.2 | 1623.1 | 1632.4 | 1650.9 |
| 170°   | 1621.0 | 1616.6 | 1612.2 | 1616.6 | 1621.0 | 1622.0 | 1622.4 | 1622.8 | 1623.1 | 1632.4 | 1650.9 |
| 172.5° | 1622.8 | 1621.9 | 1620.9 | 1621.9 | 1622.8 | 1623.1 | 1623.1 | 1623.1 | 1623.1 | 1630.4 | 1645.1 |
| 175°   | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1629.7 | 1625.3 | 1623.1 | 1627.8 | 1637.0 |
| 177.5° | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1630.5 | 1627.1 | 1625.3 | 1629.0 | 1636.3 |
| 180°   | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 |



TEST NUMBER: P935353

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 |
| 2.5°   | 4547.9 | 4534.6 | 4552.4 | 4503.4 | 4552.4 | 4534.6 | 4547.9 | 4579.2 | 4552.4 | 4570.2 | 4588.1 |
| 5°     | 3990.6 | 3968.3 | 3896.9 | 3839.1 | 3896.9 | 3968.3 | 3990.6 | 4084.3 | 4128.8 | 4209.1 | 4316.1 |
| 7.5°   | 3567.0 | 3549.2 | 3531.4 | 3495.7 | 3531.4 | 3549.2 | 3567.0 | 3593.7 | 3638.4 | 3709.7 | 3790.0 |
| 10°    | 3473.4 | 3477.8 | 3504.6 | 3500.1 | 3504.6 | 3477.8 | 3473.4 | 3464.5 | 3451.1 | 3464.5 | 3513.6 |
| 12.5°  | 3714.2 | 3754.3 | 3901.4 | 3892.5 | 3901.4 | 3754.3 | 3714.2 | 3535.8 | 3415.4 | 3393.1 | 3402.0 |
| 15°    | 3990.6 | 4004.0 | 4035.2 | 4039.7 | 4035.2 | 4004.0 | 3990.6 | 3919.2 | 3558.1 | 3402.0 | 3353.0 |
| 17.5°  | 4017.3 | 4021.8 | 4044.1 | 4044.1 | 4044.1 | 4021.8 | 4017.3 | 3986.2 | 3865.8 | 3656.2 | 3379.8 |
| 20°    | 3995.0 | 4004.0 | 4048.6 | 4057.5 | 4048.6 | 4004.0 | 3995.0 | 3954.9 | 3888.1 | 3812.3 | 3602.7 |
| 22.5°  | 3986.2 | 4004.0 | 4039.7 | 4035.2 | 4039.7 | 4004.0 | 3986.2 | 3923.7 | 3865.8 | 3812.3 | 3727.5 |
| 25°    | 3941.6 | 3941.6 | 3946.0 | 3950.5 | 3946.0 | 3941.6 | 3941.6 | 3892.5 | 3776.6 | 3763.2 | 3714.2 |
| 27.5°  | 3847.9 | 3856.9 | 3883.6 | 3879.1 | 3883.6 | 3856.9 | 3847.9 | 3830.1 | 3705.3 | 3691.9 | 3656.2 |
| 30°    | 3763.2 | 3754.3 | 3732.0 | 3714.2 | 3732.0 | 3754.3 | 3763.2 | 3736.5 | 3611.6 | 3575.9 | 3584.9 |
| 32.5°  | 3620.5 | 3598.2 | 3575.9 | 3562.6 | 3575.9 | 3598.2 | 3620.5 | 3611.6 | 3517.9 | 3468.9 | 3477.8 |
| 35°    | 3451.1 | 3455.6 | 3451.1 | 3437.8 | 3451.1 | 3455.6 | 3451.1 | 3460.0 | 3402.0 | 3357.5 | 3353.0 |
| 37.5°  | 3330.7 | 3339.7 | 3335.2 | 3317.3 | 3335.2 | 3339.7 | 3330.7 | 3321.8 | 3241.5 | 3228.2 | 3237.1 |
| 40°    | 3205.9 | 3210.4 | 3205.9 | 3192.4 | 3205.9 | 3210.4 | 3205.9 | 3188.1 | 3076.6 | 3081.0 | 3112.3 |
| 42.5°  | 3085.5 | 3081.0 | 3067.6 | 3058.7 | 3067.6 | 3081.0 | 3085.5 | 3058.7 | 2916.0 | 2902.7 | 2960.7 |
| 45°    | 2947.2 | 2951.7 | 2924.9 | 2911.6 | 2924.9 | 2951.7 | 2947.2 | 2929.4 | 2782.3 | 2746.6 | 2786.8 |
| 47.5°  | 2809.1 | 2809.1 | 2786.8 | 2773.3 | 2786.8 | 2809.1 | 2809.1 | 2786.8 | 2630.7 | 2595.0 | 2617.3 |
| 50°    | 2661.9 | 2657.5 | 2626.2 | 2621.7 | 2626.2 | 2657.5 | 2661.9 | 2648.5 | 2483.6 | 2452.3 | 2452.3 |
| 52.5°  | 2492.4 | 2492.4 | 2496.9 | 2505.8 | 2496.9 | 2492.4 | 2492.4 | 2496.9 | 2349.8 | 2318.5 | 2309.7 |
| 55°    | 2345.3 | 2349.8 | 2381.0 | 2389.9 | 2381.0 | 2349.8 | 2345.3 | 2345.3 | 2211.6 | 2180.4 | 2162.5 |
| 57.5°  | 2193.7 | 2193.7 | 2216.0 | 2216.0 | 2216.0 | 2193.7 | 2193.7 | 2184.8 | 2055.5 | 2028.8 | 2019.8 |
| 60°    | 2019.8 | 2028.8 | 2046.6 | 2042.1 | 2046.6 | 2028.8 | 2019.8 | 2010.9 | 1899.4 | 1881.6 | 1850.4 |
| 62.5°  | 1837.1 | 1845.9 | 1850.4 | 1841.4 | 1850.4 | 1845.9 | 1837.1 | 1810.3 | 1743.3 | 1730.0 | 1689.9 |
| 65°    | 1645.3 | 1654.2 | 1658.7 | 1649.7 | 1658.7 | 1654.2 | 1645.3 | 1631.9 | 1582.9 | 1560.6 | 1524.9 |
| 67.5°  | 1449.1 | 1444.6 | 1440.2 | 1458.0 | 1440.2 | 1444.6 | 1449.1 | 1431.3 | 1400.1 | 1382.2 | 1333.2 |
| 70°    | 1248.4 | 1248.4 | 1244.0 | 1252.9 | 1244.0 | 1248.4 | 1248.4 | 1235.1 | 1217.2 | 1203.9 | 1159.3 |
| 72.5°  | 1034.5 | 1030.0 | 1047.8 | 1034.5 | 1047.8 | 1030.0 | 1034.5 | 1030.0 | 1021.0 | 1007.7 | 963.1  |
| 75°    | 824.9  | 833.8  | 824.9  | 838.3  | 824.9  | 833.8  | 824.9  | 829.3  | 824.9  | 815.9  | 784.8  |
| 77.5°  | 628.7  | 637.6  | 628.7  | 628.7  | 628.7  | 637.6  | 628.7  | 633.2  | 633.2  | 633.2  | 606.4  |
| 80°    | 445.9  | 441.4  | 441.4  | 437.0  | 441.4  | 441.4  | 445.9  | 445.9  | 450.3  | 441.4  | 432.5  |
| 82.5°  | 285.4  | 280.9  | 280.9  | 289.8  | 280.9  | 280.9  | 285.4  | 289.8  | 280.9  | 280.9  | 280.9  |
| 85°    | 156.1  | 160.6  | 151.6  | 151.6  | 151.6  | 160.6  | 156.1  | 147.1  | 156.1  | 156.1  | 151.6  |
| 87.5°  | 58.0   | 53.5   | 53.5   | 53.5   | 53.5   | 53.5   | 58.0   | 62.4   | 62.4   | 62.4   | 66.8   |
| 90°    | 41.6   | 41.6   | 41.6   | 41.6   | 41.6   | 41.6   | 41.6   | 55.5   | 74.0   | 83.3   | 71.6   |
| 92.5°  | 208.2  | 200.0  | 166.8  | 133.7  | 166.8  | 200.0  | 208.2  | 295.2  | 411.1  | 469.1  | 411.8  |
| 95°    | 706.9  | 681.7  | 581.4  | 481.1  | 581.4  | 681.7  | 706.9  | 928.3  | 1223.5 | 1371.0 | 1158.0 |
| 97.5°  | 1631.9 | 1584.2 | 1393.2 | 1202.3 | 1393.2 | 1584.2 | 1631.9 | 1771.8 | 1958.3 | 2051.6 | 1696.3 |
| 100°   | 2291.7 | 2234.8 | 2007.4 | 1779.9 | 2007.4 | 2234.8 | 2291.7 | 2281.5 | 2267.9 | 2261.0 | 1866.7 |
| 102.5° | 2855.0 | 2806.3 | 2611.5 | 2416.6 | 2611.5 | 2806.3 | 2855.0 | 2676.7 | 2439.0 | 2320.2 | 1920.3 |
| 105°   | 3512.6 | 3486.4 | 3381.6 | 3276.9 | 3381.6 | 3486.4 | 3512.6 | 3113.0 | 2580.1 | 2313.6 | 1926.4 |
| 107.5° | 3854.5 | 3860.8 | 3886.2 | 3911.5 | 3886.2 | 3860.8 | 3854.5 | 3297.1 | 2553.7 | 2182.1 | 1840.6 |
| 110°   | 3942.2 | 3969.5 | 4078.6 | 4187.7 | 4078.6 | 3969.5 | 3942.2 | 3318.9 | 2488.0 | 2072.4 | 1764.6 |



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CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 3886.3 | 3928.2 | 4095.8 | 4263.4 | 4095.8 | 3928.2 | 3886.3 | 3248.5 | 2398.0 | 1972.8 | 1698.3 |
| 115°   | 3696.7 | 3754.7 | 3987.1 | 4219.4 | 3987.1 | 3754.7 | 3696.7 | 3082.2 | 2262.9 | 1853.3 | 1622.1 |
| 117.5° | 3434.8 | 3499.2 | 3756.8 | 4014.5 | 3756.8 | 3499.2 | 3434.8 | 2880.2 | 2140.8 | 1771.1 | 1574.5 |
| 120°   | 3258.3 | 3320.9 | 3571.3 | 3821.7 | 3571.3 | 3320.9 | 3258.3 | 2751.6 | 2076.0 | 1738.2 | 1558.5 |
| 122.5° | 3081.9 | 3143.6 | 3390.5 | 3637.5 | 3390.5 | 3143.6 | 3081.9 | 2625.6 | 2017.2 | 1713.0 | 1550.1 |
| 125°   | 2848.4 | 2905.2 | 3132.7 | 3360.2 | 3132.7 | 2905.2 | 2848.4 | 2460.8 | 1944.0 | 1685.6 | 1543.2 |
| 127.5° | 2661.0 | 2708.9 | 2900.9 | 3092.8 | 2900.9 | 2708.9 | 2661.0 | 2328.2 | 1884.5 | 1662.6 | 1539.1 |
| 130°   | 2542.7 | 2587.0 | 2764.3 | 2941.6 | 2764.3 | 2587.0 | 2542.7 | 2246.4 | 1851.4 | 1653.8 | 1541.6 |
| 132.5° | 2441.9 | 2481.6 | 2640.3 | 2799.1 | 2640.3 | 2481.6 | 2441.9 | 2176.6 | 1822.9 | 1646.1 | 1543.1 |
| 135°   | 2299.3 | 2333.6 | 2470.4 | 2607.3 | 2470.4 | 2333.6 | 2299.3 | 2077.2 | 1781.1 | 1633.0 | 1541.7 |
| 137.5° | 2194.2 | 2222.2 | 2334.2 | 2446.2 | 2334.2 | 2222.2 | 2194.2 | 2006.4 | 1756.0 | 1630.8 | 1551.2 |
| 140°   | 2109.8 | 2135.9 | 2240.7 | 2345.4 | 2240.7 | 2135.9 | 2109.8 | 1947.5 | 1731.2 | 1623.1 | 1552.7 |
| 142.5° | 2050.6 | 2073.1 | 2163.2 | 2253.3 | 2163.2 | 2073.1 | 2050.6 | 1908.1 | 1718.1 | 1623.1 | 1558.3 |
| 145°   | 1961.8 | 1978.8 | 2047.1 | 2115.2 | 2047.1 | 1978.8 | 1961.8 | 1845.2 | 1689.9 | 1612.2 | 1558.4 |
| 147.5° | 1887.3 | 1901.4 | 1957.9 | 2014.4 | 1957.9 | 1901.4 | 1887.3 | 1795.6 | 1673.3 | 1612.2 | 1569.1 |
| 150°   | 1844.5 | 1855.9 | 1901.8 | 1947.5 | 1901.8 | 1855.9 | 1844.5 | 1767.1 | 1663.9 | 1612.2 | 1574.7 |
| 152.5° | 1810.5 | 1819.1 | 1853.7 | 1888.3 | 1853.7 | 1819.1 | 1810.5 | 1744.4 | 1656.3 | 1612.2 | 1578.3 |
| 155°   | 1770.0 | 1775.7 | 1798.6 | 1821.5 | 1798.6 | 1775.7 | 1770.0 | 1717.3 | 1647.3 | 1612.2 | 1586.4 |
| 157.5° | 1734.9 | 1738.9 | 1755.0 | 1771.1 | 1755.0 | 1738.9 | 1734.9 | 1694.0 | 1639.4 | 1612.2 | 1594.5 |
| 160°   | 1717.3 | 1719.6 | 1728.9 | 1738.2 | 1728.9 | 1719.6 | 1717.3 | 1682.3 | 1635.6 | 1612.2 | 1598.1 |
| 162.5° | 1700.9 | 1703.1 | 1711.9 | 1720.7 | 1711.9 | 1703.1 | 1700.9 | 1671.3 | 1631.9 | 1612.2 | 1601.9 |
| 165°   | 1675.7 | 1678.0 | 1687.3 | 1696.5 | 1687.3 | 1678.0 | 1675.7 | 1654.5 | 1626.3 | 1612.2 | 1607.6 |
| 167.5° | 1664.8 | 1665.8 | 1669.7 | 1673.5 | 1669.7 | 1665.8 | 1664.8 | 1650.9 | 1632.4 | 1623.1 | 1619.2 |
| 170°   | 1664.8 | 1664.8 | 1664.8 | 1664.8 | 1664.8 | 1664.8 | 1664.8 | 1650.9 | 1632.4 | 1623.1 | 1622.8 |
| 172.5° | 1656.0 | 1655.2 | 1651.7 | 1648.3 | 1651.7 | 1655.2 | 1656.0 | 1645.1 | 1630.4 | 1623.1 | 1623.1 |
| 175°   | 1643.9 | 1643.9 | 1643.9 | 1643.9 | 1643.9 | 1643.9 | 1643.9 | 1637.0 | 1627.8 | 1623.1 | 1625.3 |
| 177.5° | 1641.7 | 1640.8 | 1636.9 | 1633.0 | 1636.9 | 1640.8 | 1641.7 | 1636.3 | 1629.0 | 1625.3 | 1627.1 |
| 180°   | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 |



TEST NUMBER: P935353

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 0°     | 4713.0 | 4713.0 | 4713.0 | 4713.0 | 4713.0 |
| 2.5°   | 4655.0 | 4677.3 | 4690.7 | 4708.5 | 4753.1 |
| 5°     | 4476.6 | 4561.4 | 4588.1 | 4655.0 | 4735.2 |
| 7.5°   | 4084.3 | 4342.8 | 4414.2 | 4574.7 | 4699.5 |
| 10°    | 3705.3 | 3963.9 | 4088.7 | 4467.7 | 4655.0 |
| 12.5°  | 3513.6 | 3665.2 | 3749.8 | 4280.4 | 4592.5 |
| 15°    | 3393.1 | 3500.1 | 3562.6 | 4030.7 | 4521.2 |
| 17.5°  | 3299.5 | 3375.3 | 3419.9 | 3785.5 | 4423.1 |
| 20°    | 3241.5 | 3277.2 | 3317.3 | 3607.2 | 4311.7 |
| 22.5°  | 3201.4 | 3179.1 | 3210.4 | 3482.3 | 4160.1 |
| 25°    | 3174.6 | 3090.0 | 3125.6 | 3384.2 | 3981.7 |
| 27.5°  | 3196.9 | 3009.7 | 3023.0 | 3295.0 | 3794.4 |
| 30°    | 3201.4 | 2911.6 | 2916.0 | 3201.4 | 3584.9 |
| 32.5°  | 3170.2 | 2809.1 | 2813.5 | 3085.5 | 3348.5 |
| 35°    | 3094.4 | 2688.7 | 2684.2 | 2951.7 | 3027.5 |
| 37.5°  | 2991.8 | 2559.4 | 2559.4 | 2804.6 | 2675.3 |
| 40°    | 2867.0 | 2430.0 | 2443.4 | 2612.9 | 2363.2 |
| 42.5°  | 2715.4 | 2291.8 | 2309.7 | 2358.7 | 2131.3 |
| 45°    | 2550.4 | 2158.1 | 2171.4 | 1993.0 | 1952.9 |
| 47.5°  | 2367.6 | 2019.8 | 2024.3 | 1654.2 | 1895.0 |
| 50°    | 2149.1 | 1877.1 | 1859.3 | 1417.9 | 1890.5 |
| 52.5°  | 1957.4 | 1721.1 | 1667.5 | 1284.2 | 1716.6 |
| 55°    | 1770.1 | 1556.1 | 1440.2 | 1181.6 | 1591.7 |
| 57.5°  | 1605.2 | 1342.1 | 1230.6 | 1061.2 | 1565.0 |
| 60°    | 1453.6 | 1132.6 | 1047.8 | 931.9  | 1435.8 |
| 62.5°  | 1328.7 | 976.5  | 958.7  | 842.7  | 1302.0 |
| 65°    | 1194.9 | 869.4  | 865.0  | 766.9  | 1105.8 |
| 67.5°  | 1065.6 | 798.1  | 793.6  | 695.5  | 842.7  |
| 70°    | 927.4  | 722.3  | 713.4  | 619.7  | 624.2  |
| 72.5°  | 784.8  | 637.6  | 628.7  | 557.4  | 517.2  |
| 75°    | 642.0  | 539.5  | 535.1  | 486.0  | 419.1  |
| 77.5°  | 503.9  | 428.1  | 437.0  | 392.3  | 307.7  |
| 80°    | 361.2  | 312.1  | 321.0  | 280.9  | 231.9  |
| 82.5°  | 240.7  | 205.1  | 214.0  | 178.4  | 156.1  |
| 85°    | 133.8  | 115.9  | 120.4  | 93.6   | 71.3   |
| 87.5°  | 62.4   | 53.5   | 53.5   | 35.7   | 22.3   |
| 90°    | 48.2   | 30.7   | 28.5   | 19.8   | 11.0   |
| 92.5°  | 297.4  | 211.5  | 192.9  | 118.3  | 43.8   |
| 95°    | 731.7  | 412.1  | 378.0  | 241.6  | 105.2  |
| 97.5°  | 985.6  | 452.7  | 422.6  | 302.2  | 181.9  |
| 100°   | 1078.0 | 486.6  | 459.3  | 350.2  | 241.1  |
| 102.5° | 1120.4 | 520.6  | 495.1  | 393.3  | 291.5  |
| 105°   | 1151.9 | 571.0  | 549.5  | 463.2  | 377.1  |
| 107.5° | 1157.7 | 645.6  | 625.4  | 545.1  | 464.7  |
| 110°   | 1148.9 | 687.2  | 669.0  | 596.5  | 523.9  |



TEST NUMBER: P935353

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 1149.3 | 737.6  | 720.3  | 651.2  | 582.0  |
| 115°   | 1159.9 | 813.2  | 797.2  | 733.5  | 669.6  |
| 117.5° | 1181.5 | 886.6  | 872.2  | 814.2  | 756.2  |
| 120°   | 1199.1 | 929.4  | 915.8  | 861.2  | 806.6  |
| 122.5° | 1224.3 | 979.8  | 966.0  | 911.1  | 856.0  |
| 125°   | 1258.2 | 1044.5 | 1031.9 | 981.8  | 931.6  |
| 127.5° | 1292.2 | 1106.9 | 1094.3 | 1043.6 | 992.9  |
| 130°   | 1317.0 | 1148.6 | 1134.9 | 1080.4 | 1025.9 |
| 132.5° | 1337.0 | 1182.5 | 1168.9 | 1114.4 | 1059.8 |
| 135°   | 1359.0 | 1222.0 | 1209.6 | 1159.9 | 1110.3 |
| 137.5° | 1391.8 | 1272.4 | 1260.1 | 1210.9 | 1161.7 |
| 140°   | 1412.0 | 1306.4 | 1295.1 | 1249.8 | 1204.5 |
| 142.5° | 1428.7 | 1331.6 | 1321.1 | 1279.2 | 1237.4 |
| 145°   | 1450.7 | 1370.0 | 1360.8 | 1324.3 | 1287.8 |
| 147.5° | 1482.8 | 1418.2 | 1409.3 | 1373.8 | 1338.2 |
| 150°   | 1499.7 | 1443.4 | 1435.3 | 1403.2 | 1371.0 |
| 152.5° | 1510.6 | 1459.8 | 1453.8 | 1429.3 | 1405.0 |
| 155°   | 1534.7 | 1496.0 | 1491.5 | 1473.4 | 1455.4 |
| 157.5° | 1558.9 | 1532.2 | 1527.8 | 1510.2 | 1492.7 |
| 160°   | 1569.8 | 1548.6 | 1545.2 | 1531.6 | 1517.9 |
| 162.5° | 1581.5 | 1566.1 | 1563.6 | 1553.3 | 1543.1 |
| 165°   | 1598.2 | 1591.3 | 1589.0 | 1579.7 | 1570.5 |
| 167.5° | 1611.4 | 1605.6 | 1604.5 | 1600.1 | 1595.7 |
| 170°   | 1622.4 | 1622.0 | 1621.0 | 1616.6 | 1612.2 |
| 172.5° | 1623.1 | 1623.1 | 1622.8 | 1621.9 | 1620.9 |
| 175°   | 1629.7 | 1633.0 | 1633.0 | 1633.0 | 1633.0 |
| 177.5° | 1630.5 | 1633.0 | 1633.0 | 1633.0 | 1633.0 |
| 180°   | 1633.0 | 1633.0 | 1633.0 | 1633.0 | 1633.0 |



TEST NUMBER: P935353  
 CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-3000K

**CIE UGR TABLE:**

| Reflectances:   |      |                  |       |       |       |       |                |       |       |       |       |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling         |      | 0.7              | 0.7   | 0.5   | 0.5   | 0.3   | 0.7            | 0.7   | 0.5   | 0.5   | 0.3   |
| Wall            |      | 0.5              | 0.3   | 0.5   | 0.3   | 0.3   | 0.5            | 0.3   | 0.5   | 0.3   | 0.3   |
| Reference plane |      | 0.2              | 0.2   | 0.2   | 0.2   | 0.2   | 0.2            | 0.2   | 0.2   | 0.2   | 0.2   |
| Room dimensions |      | Viewed crosswise |       |       |       |       | Viewed endwise |       |       |       |       |
| X=2H            | Y=2H | 14.45            | 15.34 | 15.37 | 16.29 | 17.51 | 17.30          | 18.19 | 18.22 | 19.14 | 20.36 |
|                 | 3H   | 14.93            | 15.73 | 15.86 | 16.68 | 17.92 | 18.65          | 19.46 | 19.59 | 20.41 | 21.65 |
|                 | 4H   | 15.12            | 15.88 | 16.07 | 16.84 | 18.09 | 19.10          | 19.86 | 20.06 | 20.82 | 22.07 |
|                 | 6H   | 15.24            | 15.94 | 16.20 | 16.90 | 18.17 | 19.40          | 20.09 | 20.36 | 21.06 | 22.32 |
|                 | 8H   | 15.24            | 15.91 | 16.21 | 16.89 | 18.15 | 19.47          | 20.14 | 20.44 | 21.12 | 22.38 |
|                 | 12H  | 15.21            | 15.85 | 16.19 | 16.82 | 18.11 | 19.52          | 20.15 | 20.49 | 21.12 | 22.41 |
| 4H              | 2H   | 15.49            | 16.25 | 16.45 | 17.20 | 18.46 | 17.71          | 18.47 | 18.67 | 19.43 | 20.68 |
|                 | 3H   | 16.52            | 17.15 | 17.49 | 18.14 | 19.41 | 19.23          | 19.86 | 20.19 | 20.85 | 22.11 |
|                 | 4H   | 16.80            | 17.37 | 17.77 | 18.36 | 19.65 | 19.76          | 20.34 | 20.74 | 21.32 | 22.61 |
|                 | 6H   | 16.92            | 17.42 | 17.91 | 18.43 | 19.71 | 20.13          | 20.63 | 21.12 | 21.64 | 22.92 |
|                 | 8H   | 16.93            | 17.39 | 17.92 | 18.39 | 19.70 | 20.24          | 20.71 | 21.23 | 21.71 | 23.01 |
|                 | 12H  | 16.90            | 17.32 | 17.91 | 18.33 | 19.64 | 20.31          | 20.72 | 21.32 | 21.74 | 23.05 |
| 8H              | 4H   | 17.26            | 17.72 | 18.25 | 18.72 | 20.02 | 19.89          | 20.35 | 20.88 | 21.35 | 22.65 |
|                 | 6H   | 17.52            | 17.90 | 18.54 | 18.94 | 20.24 | 20.33          | 20.71 | 21.35 | 21.75 | 23.06 |
|                 | 8H   | 17.56            | 17.90 | 18.59 | 18.93 | 20.25 | 20.49          | 20.82 | 21.51 | 21.85 | 23.17 |
|                 | 12H  | 17.55            | 17.85 | 18.58 | 18.87 | 20.23 | 20.59          | 20.89 | 21.62 | 21.91 | 23.27 |
| 12H             | 4H   | 17.27            | 17.68 | 18.28 | 18.70 | 20.01 | 19.85          | 20.27 | 20.86 | 21.29 | 22.59 |
|                 | 6H   | 17.58            | 17.92 | 18.61 | 18.95 | 20.27 | 20.33          | 20.67 | 21.35 | 21.69 | 23.01 |
|                 | 8H   | 17.65            | 17.95 | 18.68 | 18.97 | 20.33 | 20.49          | 20.79 | 21.52 | 21.81 | 23.18 |