

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: P935369

Luminaire Tested: SQ4-FA-100U-125D-935-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

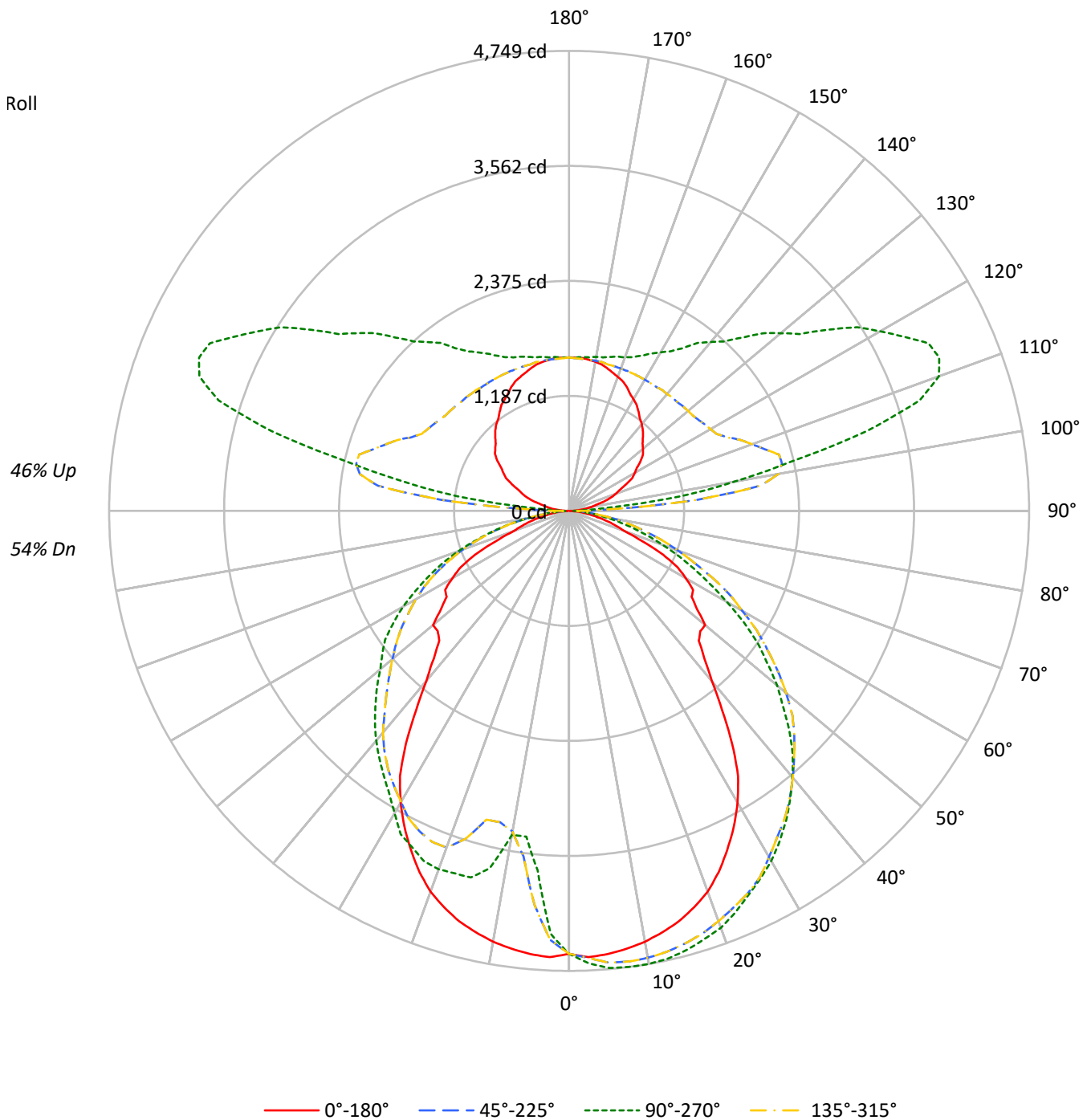
Test Method: LM-79-2019  
Report Number: P935369  
REPORT IS A COMBINATION OF REPORTS P933749 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-125D-935-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22129.0 lumens  
Efficiency: N/A  
Efficacy: 107.2 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

TEST NUMBER: P935369  
CATALOG NUMBER: SQ4-FA-100U-125D-935-1D-UNV-STD-W-12

### Luminous Intensity Polar Plot





TEST NUMBER: P935369

CATALOG NUMBER: SQ4-FA-100U-125D-935-1D-UNV-STD-W-12

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

|     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|--|--|--|--|
| RF  | 20  |     |     |     |     | 20  |     |     |    |    | 20 |    |    |    |    | 20 |    |    |    |    | 20 |    |    |    |    |    |   |  |  |  |  |
| RC  | 80  |     |     |     |     | 70  |     |     |    |    | 50 |    |    |    |    | 30 |    |    |    |    | 10 |    |    |    |    | 0  |   |  |  |  |  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 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°  | 14141 | 14141 | 14141 | 14141 |
| 5°  | 14252 | 14275 | 14252 | 11224 |
| 10° | 14162 | 14061 | 14162 | 10053 |
| 15° | 14013 | 13757 | 14013 | 11487 |
| 20° | 13726 | 13396 | 13726 | 11511 |
| 25° | 13131 | 12869 | 13131 | 11267 |
| 30° | 12361 | 12432 | 12361 | 10732 |
| 35° | 11025 | 11879 | 11025 | 10143 |
| 40° | 9192  | 11229 | 9192  | 9698  |
| 45° | 8218  | 10467 | 8218  | 9187  |
| 50° | 8738  | 9558  | 8738  | 8673  |
| 55° | 8229  | 8580  | 8229  | 8377  |
| 60° | 8493  | 7287  | 8493  | 7672  |
| 65° | 7713  | 6024  | 7713  | 6733  |
| 70° | 5353  | 4800  | 5353  | 5644  |
| 75° | 4713  | 3548  | 4713  | 4249  |
| 80° | 3825  | 2346  | 3825  | 2555  |
| 85° | 2242  | 1242  | 2242  | 1056  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 12588 cd/sqm



TEST NUMBER: P935369

CATALOG NUMBER: SQ4-FA-100U-125D-935-1D-UNV-STD-W-12

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 412.7   | 1.9       |
| 10°-20°   | 1171.7  | 5.3       |
| 20°-30°   | 1811.3  | 8.2       |
| 30°-40°   | 2162.3  | 9.8       |
| 40°-50°   | 2175.0  | 9.8       |
| 50°-60°   | 1892.5  | 8.6       |
| 60°-70°   | 1341.8  | 6.1       |
| 70°-80°   | 709.9   | 3.2       |
| 80°-90°   | 182.8   | 0.8       |
| 90°-100°  | 772.2   | 3.5       |
| 100°-110° | 2030.1  | 9.2       |
| 110°-120° | 2105.0  | 9.5       |
| 120°-130° | 1688.5  | 7.6       |
| 130°-140° | 1324.8  | 6.0       |
| 140°-150° | 1016.9  | 4.6       |
| 150°-160° | 732.3   | 3.3       |
| 160°-170° | 448.1   | 2.0       |
| 170°-180° | 151.4   | 0.7       |
| 0°-30°    | 3395.7  | 15.3      |
| 0°-40°    | 5558.0  | 25.1      |
| 0°-60°    | 9625.4  | 43.5      |
| 0°-90°    | 11859.9 | 53.6      |
| 90°-120°  | 4907.2  | 22.2      |
| 90°-150°  | 8937.3  | 40.4      |
| 90°-180°  | 10269.0 | 46.4      |
| 0°-180°   | 22129.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 4572 | 4572 | 4572 | 4572 | 4572 |      |
| 5°   | 4593 | 4736 | 4593 | 3724 | 4593 | 436  |
| 15°  | 4386 | 4693 | 4386 | 3919 | 4386 | 1234 |
| 25°  | 3862 | 4377 | 3862 | 3832 | 3862 | 1773 |
| 35°  | 2937 | 3906 | 2937 | 3335 | 2937 | 1817 |
| 45°  | 1894 | 3218 | 1894 | 2824 | 1894 | 1518 |
| 55°  | 1544 | 2375 | 1544 | 2318 | 1544 | 1419 |
| 65°  | 1073 | 1432 | 1073 | 1600 | 1073 | 1025 |
| 75°  | 407  | 679  | 407  | 813  | 407  | 427  |
| 85°  | 69   | 173  | 69   | 147  | 69   | 93   |
| 90°  | 11   | 40   | 11   | 40   | 11   | 12   |
| 95°  | 102  | 467  | 102  | 467  | 102  | 113  |
| 105° | 366  | 3179 | 366  | 3179 | 366  | 388  |
| 115° | 650  | 4093 | 650  | 4093 | 650  | 642  |
| 125° | 904  | 3260 | 904  | 3260 | 904  | 802  |
| 135° | 1077 | 2529 | 1077 | 2529 | 1077 | 833  |
| 145° | 1249 | 2052 | 1249 | 2052 | 1249 | 783  |
| 155° | 1412 | 1767 | 1412 | 1767 | 1412 | 649  |
| 165° | 1524 | 1646 | 1524 | 1646 | 1524 | 430  |
| 175° | 1584 | 1595 | 1584 | 1595 | 1584 | 150  |
| 180° | 1584 | 1584 | 1584 | 1584 | 1584 |      |



TEST NUMBER: P935369  
 CATALOG NUMBER: SQ4-FA-100U-125D-935-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 |
| 2.5°   | 4610.8 | 4610.8 | 4636.7 | 4645.4 | 4645.4 | 4632.3 | 4619.4 | 4632.3 | 4671.3 | 4684.3 | 4680.0 |
| 5°     | 4593.4 | 4628.1 | 4675.6 | 4684.3 | 4692.9 | 4688.6 | 4680.0 | 4688.6 | 4731.8 | 4740.5 | 4744.8 |
| 7.5°   | 4558.8 | 4623.7 | 4684.3 | 4697.2 | 4710.2 | 4697.2 | 4692.9 | 4701.6 | 4744.8 | 4753.5 | 4753.5 |
| 10°    | 4515.6 | 4606.4 | 4675.6 | 4684.3 | 4697.2 | 4684.3 | 4684.3 | 4701.6 | 4744.8 | 4753.5 | 4757.8 |
| 12.5°  | 4455.0 | 4580.4 | 4645.4 | 4654.0 | 4671.3 | 4666.9 | 4662.7 | 4680.0 | 4723.1 | 4731.8 | 4731.8 |
| 15°    | 4385.8 | 4532.9 | 4593.4 | 4602.1 | 4632.3 | 4623.7 | 4623.7 | 4641.0 | 4688.6 | 4701.6 | 4697.2 |
| 17.5°  | 4290.7 | 4472.3 | 4541.5 | 4554.5 | 4576.1 | 4571.8 | 4576.1 | 4593.4 | 4636.7 | 4645.4 | 4649.6 |
| 20°    | 4182.6 | 4390.1 | 4472.3 | 4485.3 | 4506.9 | 4506.9 | 4506.9 | 4528.6 | 4571.8 | 4589.1 | 4589.1 |
| 22.5°  | 4035.5 | 4303.6 | 4390.1 | 4398.8 | 4424.8 | 4424.8 | 4433.4 | 4463.6 | 4502.6 | 4506.9 | 4506.9 |
| 25°    | 3862.5 | 4208.5 | 4282.0 | 4308.0 | 4334.0 | 4346.9 | 4359.9 | 4377.2 | 4390.1 | 4385.8 | 4390.1 |
| 27.5°  | 3680.8 | 4087.4 | 4182.6 | 4199.8 | 4234.4 | 4247.4 | 4264.7 | 4269.0 | 4273.4 | 4286.3 | 4277.7 |
| 30°    | 3477.5 | 3918.7 | 4061.4 | 4078.7 | 4134.9 | 4143.6 | 4126.3 | 4134.9 | 4156.6 | 4165.3 | 4173.9 |
| 32.5°  | 3248.2 | 3667.9 | 3936.0 | 3974.9 | 4026.8 | 4000.9 | 3996.6 | 4009.5 | 4044.1 | 4044.1 | 4052.8 |
| 35°    | 2936.8 | 3473.2 | 3819.2 | 3853.8 | 3892.7 | 3862.5 | 3879.8 | 3884.1 | 3905.7 | 3918.7 | 3914.3 |
| 37.5°  | 2595.2 | 3304.5 | 3698.1 | 3724.1 | 3754.3 | 3715.4 | 3741.4 | 3754.3 | 3771.6 | 3762.9 | 3762.9 |
| 40°    | 2292.4 | 3040.6 | 3555.4 | 3572.7 | 3598.6 | 3568.3 | 3594.3 | 3602.9 | 3611.6 | 3602.9 | 3598.6 |
| 42.5°  | 2067.5 | 2750.9 | 3404.0 | 3425.6 | 3408.3 | 3429.9 | 3438.6 | 3455.9 | 3442.9 | 3425.6 | 3425.6 |
| 45°    | 1894.4 | 2673.0 | 3239.6 | 3265.5 | 3239.6 | 3274.2 | 3287.2 | 3287.2 | 3248.2 | 3239.6 | 3235.3 |
| 47.5°  | 1838.3 | 2517.3 | 3075.3 | 3075.3 | 3062.3 | 3105.5 | 3127.2 | 3096.8 | 3058.0 | 3045.0 | 3045.0 |
| 50°    | 1833.9 | 2344.3 | 2850.4 | 2833.1 | 2893.6 | 2945.5 | 2923.9 | 2893.6 | 2863.3 | 2815.8 | 2815.8 |
| 52.5°  | 1665.2 | 2132.4 | 2560.5 | 2625.4 | 2720.6 | 2750.9 | 2716.3 | 2686.0 | 2634.0 | 2612.5 | 2595.2 |
| 55°    | 1544.1 | 1911.8 | 2296.7 | 2426.5 | 2525.9 | 2564.9 | 2500.0 | 2469.7 | 2391.9 | 2378.9 | 2370.3 |
| 57.5°  | 1518.2 | 1591.7 | 2054.5 | 2218.9 | 2339.9 | 2335.7 | 2296.7 | 2240.5 | 2175.6 | 2162.6 | 2158.3 |
| 60°    | 1392.8 | 1150.5 | 1795.0 | 1989.6 | 2115.1 | 2102.1 | 2067.5 | 2015.6 | 1955.0 | 1946.4 | 1937.7 |
| 62.5°  | 1263.0 | 834.8  | 1500.9 | 1721.5 | 1898.8 | 1894.4 | 1864.2 | 1786.3 | 1743.1 | 1721.5 | 1704.2 |
| 65°    | 1072.7 | 700.7  | 1068.3 | 1431.7 | 1686.9 | 1695.5 | 1630.6 | 1574.4 | 1526.8 | 1500.9 | 1496.5 |
| 67.5°  | 817.5  | 570.9  | 722.3  | 1193.7 | 1483.6 | 1474.9 | 1392.8 | 1366.8 | 1306.2 | 1293.3 | 1267.3 |
| 70°    | 605.5  | 380.6  | 501.7  | 968.9  | 1284.6 | 1263.0 | 1198.1 | 1167.8 | 1111.6 | 1081.3 | 1064.0 |
| 72.5°  | 501.7  | 307.1  | 367.6  | 752.6  | 1081.3 | 1055.4 | 999.1  | 964.5  | 916.9  | 891.0  | 873.7  |
| 75°    | 406.6  | 324.4  | 281.2  | 558.0  | 878.0  | 860.7  | 808.8  | 774.2  | 735.3  | 700.7  | 705.0  |
| 77.5°  | 298.5  | 302.8  | 224.9  | 410.9  | 696.3  | 670.4  | 640.1  | 596.9  | 579.6  | 545.0  | 545.0  |
| 80°    | 224.9  | 237.9  | 168.7  | 281.2  | 501.7  | 501.7  | 475.8  | 445.5  | 415.3  | 397.9  | 397.9  |
| 82.5°  | 151.4  | 151.4  | 125.4  | 177.3  | 341.7  | 328.7  | 311.4  | 302.8  | 285.5  | 276.8  | 276.8  |
| 85°    | 69.2   | 86.5   | 77.9   | 108.1  | 186.0  | 194.6  | 194.6  | 186.0  | 181.6  | 173.0  | 177.3  |
| 87.5°  | 21.6   | 38.9   | 47.5   | 60.6   | 95.2   | 99.5   | 103.8  | 103.8  | 103.8  | 108.1  | 108.1  |
| 90°    | 10.6   | 19.2   | 27.6   | 29.7   | 46.8   | 69.4   | 80.8   | 71.8   | 53.8   | 40.4   | 40.4   |
| 92.5°  | 42.5   | 114.8  | 187.1  | 205.2  | 288.5  | 399.5  | 455.1  | 398.8  | 286.4  | 202.0  | 194.0  |
| 95°    | 102.1  | 234.4  | 366.7  | 399.8  | 709.8  | 1123.3 | 1330.0 | 1186.8 | 900.5  | 685.7  | 661.3  |
| 97.5°  | 176.4  | 293.2  | 409.9  | 439.1  | 956.1  | 1645.5 | 1990.2 | 1899.7 | 1718.7 | 1583.0 | 1536.8 |
| 100°   | 233.9  | 339.7  | 445.5  | 472.0  | 1045.7 | 1810.8 | 2193.3 | 2199.9 | 2213.2 | 2223.0 | 2167.9 |
| 102.5° | 282.8  | 381.5  | 480.3  | 505.0  | 1086.9 | 1862.8 | 2250.7 | 2366.0 | 2596.6 | 2769.5 | 2722.2 |
| 105°   | 365.8  | 449.3  | 533.0  | 553.9  | 1117.4 | 1868.7 | 2244.3 | 2502.8 | 3019.7 | 3407.4 | 3382.0 |
| 107.5° | 450.8  | 528.8  | 606.7  | 626.2  | 1123.0 | 1785.5 | 2116.7 | 2477.3 | 3198.3 | 3739.1 | 3745.2 |
| 110°   | 508.2  | 578.6  | 649.0  | 666.6  | 1114.5 | 1711.8 | 2010.4 | 2413.5 | 3219.5 | 3824.1 | 3850.6 |



TEST NUMBER: P935369

CATALOG NUMBER: SQ4-FA-100U-125D-935-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 564.5  | 631.7  | 698.7  | 715.5  | 1114.9 | 1647.4 | 1913.7 | 2326.2 | 3151.2 | 3769.9 | 3810.6 |
| 115°   | 649.6  | 711.5  | 773.4  | 788.9  | 1125.2 | 1573.6 | 1797.8 | 2195.2 | 2989.9 | 3586.0 | 3642.3 |
| 117.5° | 733.6  | 789.8  | 846.0  | 860.1  | 1146.1 | 1527.4 | 1718.1 | 2076.7 | 2794.0 | 3331.9 | 3394.4 |
| 120°   | 782.5  | 835.4  | 888.4  | 901.6  | 1163.2 | 1511.9 | 1686.2 | 2013.9 | 2669.2 | 3160.7 | 3221.5 |
| 122.5° | 830.4  | 883.8  | 937.1  | 950.5  | 1187.6 | 1503.7 | 1661.7 | 1956.8 | 2547.0 | 2989.6 | 3049.5 |
| 125°   | 903.7  | 952.4  | 1001.0 | 1013.2 | 1220.5 | 1497.0 | 1635.2 | 1885.8 | 2387.1 | 2763.1 | 2818.2 |
| 127.5° | 963.2  | 1012.3 | 1061.5 | 1073.8 | 1253.5 | 1493.0 | 1612.8 | 1828.1 | 2258.5 | 2581.3 | 2627.8 |
| 130°   | 995.1  | 1048.0 | 1101.0 | 1114.2 | 1277.6 | 1495.4 | 1604.3 | 1795.9 | 2179.2 | 2466.5 | 2509.6 |
| 132.5° | 1028.1 | 1081.0 | 1133.9 | 1147.1 | 1297.0 | 1496.9 | 1596.8 | 1768.3 | 2111.4 | 2368.7 | 2407.2 |
| 135°   | 1077.0 | 1125.2 | 1173.4 | 1185.4 | 1318.3 | 1495.5 | 1584.1 | 1727.8 | 2015.0 | 2230.5 | 2263.7 |
| 137.5° | 1126.9 | 1174.7 | 1222.4 | 1234.3 | 1350.2 | 1504.7 | 1582.0 | 1703.4 | 1946.3 | 2128.5 | 2155.6 |
| 140°   | 1168.4 | 1212.4 | 1256.3 | 1267.3 | 1369.7 | 1506.3 | 1574.5 | 1679.4 | 1889.2 | 2046.6 | 2072.0 |
| 142.5° | 1200.3 | 1240.9 | 1281.6 | 1291.7 | 1385.9 | 1511.6 | 1574.5 | 1666.7 | 1851.0 | 1989.2 | 2011.0 |
| 145°   | 1249.2 | 1284.6 | 1320.1 | 1328.9 | 1407.2 | 1511.7 | 1563.9 | 1639.2 | 1790.0 | 1903.0 | 1919.6 |
| 147.5° | 1298.1 | 1332.6 | 1367.1 | 1375.7 | 1438.4 | 1522.1 | 1563.9 | 1623.2 | 1741.8 | 1830.8 | 1844.5 |
| 150°   | 1330.0 | 1361.2 | 1392.3 | 1400.2 | 1454.8 | 1527.6 | 1563.9 | 1614.0 | 1714.1 | 1789.3 | 1800.4 |
| 152.5° | 1362.9 | 1386.5 | 1410.2 | 1416.1 | 1465.4 | 1531.0 | 1563.9 | 1606.7 | 1692.2 | 1756.3 | 1764.7 |
| 155°   | 1411.8 | 1429.3 | 1446.9 | 1451.2 | 1488.8 | 1538.9 | 1563.9 | 1597.9 | 1665.9 | 1717.0 | 1722.5 |
| 157.5° | 1448.0 | 1465.0 | 1482.1 | 1486.3 | 1512.2 | 1546.7 | 1563.9 | 1590.3 | 1643.3 | 1683.0 | 1686.9 |
| 160°   | 1472.4 | 1485.7 | 1498.9 | 1502.2 | 1522.8 | 1550.2 | 1563.9 | 1586.6 | 1631.9 | 1665.9 | 1668.1 |
| 162.5° | 1496.9 | 1506.8 | 1516.7 | 1519.2 | 1534.1 | 1554.0 | 1563.9 | 1583.0 | 1621.3 | 1650.0 | 1652.1 |
| 165°   | 1523.5 | 1532.4 | 1541.4 | 1543.7 | 1550.4 | 1559.4 | 1563.9 | 1577.6 | 1605.0 | 1625.5 | 1627.7 |
| 167.5° | 1547.9 | 1552.2 | 1556.4 | 1557.5 | 1563.2 | 1570.7 | 1574.5 | 1583.5 | 1601.5 | 1615.0 | 1615.9 |
| 170°   | 1563.9 | 1568.2 | 1572.5 | 1573.5 | 1573.8 | 1574.2 | 1574.5 | 1583.5 | 1601.5 | 1615.0 | 1615.0 |
| 172.5° | 1572.4 | 1573.3 | 1574.2 | 1574.5 | 1574.5 | 1574.5 | 1574.5 | 1581.6 | 1595.8 | 1606.4 | 1605.6 |
| 175°   | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1580.9 | 1576.6 | 1574.5 | 1579.0 | 1588.0 | 1594.7 | 1594.7 |
| 177.5° | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1581.7 | 1578.3 | 1576.6 | 1580.2 | 1587.3 | 1592.6 | 1591.6 |
| 180°   | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 |



TEST NUMBER: P935369

CATALOG NUMBER: SQ4-FA-100U-125D-935-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 |
| 2.5°   | 4688.6 | 4675.6 | 4688.6 | 4680.0 | 4684.3 | 4671.3 | 4632.3 | 4619.4 | 4632.3 | 4645.4 | 4645.4 |
| 5°     | 4744.8 | 4736.2 | 4744.8 | 4744.8 | 4740.5 | 4731.8 | 4688.6 | 4680.0 | 4688.6 | 4692.9 | 4684.3 |
| 7.5°   | 4762.1 | 4749.1 | 4762.1 | 4753.5 | 4753.5 | 4744.8 | 4701.6 | 4692.9 | 4697.2 | 4710.2 | 4697.2 |
| 10°    | 4762.1 | 4749.1 | 4762.1 | 4757.8 | 4753.5 | 4744.8 | 4701.6 | 4684.3 | 4684.3 | 4697.2 | 4684.3 |
| 12.5°  | 4740.5 | 4731.8 | 4740.5 | 4731.8 | 4731.8 | 4723.1 | 4680.0 | 4662.7 | 4666.9 | 4671.3 | 4654.0 |
| 15°    | 4705.9 | 4692.9 | 4705.9 | 4697.2 | 4701.6 | 4688.6 | 4641.0 | 4623.7 | 4623.7 | 4632.3 | 4602.1 |
| 17.5°  | 4654.0 | 4636.7 | 4654.0 | 4649.6 | 4645.4 | 4636.7 | 4593.4 | 4576.1 | 4571.8 | 4576.1 | 4554.5 |
| 20°    | 4593.4 | 4580.4 | 4593.4 | 4589.1 | 4589.1 | 4571.8 | 4528.6 | 4506.9 | 4506.9 | 4506.9 | 4485.3 |
| 22.5°  | 4498.3 | 4485.3 | 4498.3 | 4506.9 | 4506.9 | 4502.6 | 4463.6 | 4433.4 | 4424.8 | 4424.8 | 4398.8 |
| 25°    | 4390.1 | 4377.2 | 4390.1 | 4390.1 | 4385.8 | 4390.1 | 4377.2 | 4359.9 | 4346.9 | 4334.0 | 4308.0 |
| 27.5°  | 4286.3 | 4277.7 | 4286.3 | 4277.7 | 4286.3 | 4273.4 | 4269.0 | 4264.7 | 4247.4 | 4234.4 | 4199.8 |
| 30°    | 4182.6 | 4173.9 | 4182.6 | 4173.9 | 4165.3 | 4156.6 | 4134.9 | 4126.3 | 4143.6 | 4134.9 | 4078.7 |
| 32.5°  | 4052.8 | 4044.1 | 4052.8 | 4052.8 | 4044.1 | 4044.1 | 4009.5 | 3996.6 | 4000.9 | 4026.8 | 3974.9 |
| 35°    | 3918.7 | 3905.7 | 3918.7 | 3914.3 | 3918.7 | 3905.7 | 3884.1 | 3879.8 | 3862.5 | 3892.7 | 3853.8 |
| 37.5°  | 3762.9 | 3750.0 | 3762.9 | 3762.9 | 3762.9 | 3771.6 | 3754.3 | 3741.4 | 3715.4 | 3754.3 | 3724.1 |
| 40°    | 3602.9 | 3585.6 | 3602.9 | 3598.6 | 3602.9 | 3611.6 | 3602.9 | 3594.3 | 3568.3 | 3598.6 | 3572.7 |
| 42.5°  | 3421.3 | 3416.9 | 3421.3 | 3425.6 | 3425.6 | 3442.9 | 3455.9 | 3438.6 | 3429.9 | 3408.3 | 3425.6 |
| 45°    | 3226.6 | 3218.0 | 3226.6 | 3235.3 | 3239.6 | 3248.2 | 3287.2 | 3287.2 | 3274.2 | 3239.6 | 3265.5 |
| 47.5°  | 3019.1 | 2997.4 | 3019.1 | 3045.0 | 3045.0 | 3058.0 | 3096.8 | 3127.2 | 3105.5 | 3062.3 | 3075.3 |
| 50°    | 2798.5 | 2802.7 | 2798.5 | 2815.8 | 2815.8 | 2863.3 | 2893.6 | 2923.9 | 2945.5 | 2893.6 | 2833.1 |
| 52.5°  | 2582.2 | 2577.9 | 2582.2 | 2595.2 | 2612.5 | 2634.0 | 2686.0 | 2716.3 | 2750.9 | 2720.6 | 2625.4 |
| 55°    | 2365.9 | 2374.6 | 2365.9 | 2370.3 | 2378.9 | 2391.9 | 2469.7 | 2500.0 | 2564.9 | 2525.9 | 2426.5 |
| 57.5°  | 2149.7 | 2136.6 | 2149.7 | 2158.3 | 2162.6 | 2175.6 | 2240.5 | 2296.7 | 2335.7 | 2339.9 | 2218.9 |
| 60°    | 1898.8 | 1881.5 | 1898.8 | 1937.7 | 1946.4 | 1955.0 | 2015.6 | 2067.5 | 2102.1 | 2115.1 | 1989.6 |
| 62.5°  | 1678.2 | 1647.9 | 1678.2 | 1704.2 | 1721.5 | 1743.1 | 1786.3 | 1864.2 | 1894.4 | 1898.8 | 1721.5 |
| 65°    | 1444.7 | 1431.7 | 1444.7 | 1496.5 | 1500.9 | 1526.8 | 1574.4 | 1630.6 | 1695.5 | 1686.9 | 1431.7 |
| 67.5°  | 1232.7 | 1232.7 | 1232.7 | 1267.3 | 1293.3 | 1306.2 | 1366.8 | 1392.8 | 1474.9 | 1483.6 | 1193.7 |
| 70°    | 1038.1 | 1033.7 | 1038.1 | 1064.0 | 1081.3 | 1111.6 | 1167.8 | 1198.1 | 1263.0 | 1284.6 | 968.9  |
| 72.5°  | 852.1  | 847.7  | 852.1  | 873.7  | 891.0  | 916.9  | 964.5  | 999.1  | 1055.4 | 1081.3 | 752.6  |
| 75°    | 687.7  | 679.0  | 687.7  | 705.0  | 700.7  | 735.3  | 774.2  | 808.8  | 860.7  | 878.0  | 558.0  |
| 77.5°  | 527.6  | 527.6  | 527.6  | 545.0  | 545.0  | 579.6  | 596.9  | 640.1  | 670.4  | 696.3  | 410.9  |
| 80°    | 393.6  | 389.3  | 393.6  | 397.9  | 397.9  | 415.3  | 445.5  | 475.8  | 501.7  | 501.7  | 281.2  |
| 82.5°  | 276.8  | 268.1  | 276.8  | 276.8  | 276.8  | 285.5  | 302.8  | 311.4  | 328.7  | 341.7  | 177.3  |
| 85°    | 173.0  | 173.0  | 173.0  | 177.3  | 173.0  | 181.6  | 186.0  | 194.6  | 194.6  | 186.0  | 108.1  |
| 87.5°  | 112.5  | 108.1  | 112.5  | 108.1  | 108.1  | 103.8  | 103.8  | 103.8  | 99.5   | 95.2   | 60.6   |
| 90°    | 40.4   | 40.4   | 40.4   | 40.4   | 40.4   | 53.8   | 71.8   | 80.8   | 69.4   | 46.8   | 29.7   |
| 92.5°  | 161.8  | 129.7  | 161.8  | 194.0  | 202.0  | 286.4  | 398.8  | 455.1  | 399.5  | 288.5  | 205.2  |
| 95°    | 564.0  | 466.7  | 564.0  | 661.3  | 685.7  | 900.5  | 1186.8 | 1330.0 | 1123.3 | 709.8  | 399.8  |
| 97.5°  | 1351.5 | 1166.3 | 1351.5 | 1536.8 | 1583.0 | 1718.7 | 1899.7 | 1990.2 | 1645.5 | 956.1  | 439.1  |
| 100°   | 1947.2 | 1726.6 | 1947.2 | 2167.9 | 2223.0 | 2213.2 | 2199.9 | 2193.3 | 1810.8 | 1045.7 | 472.0  |
| 102.5° | 2533.3 | 2344.3 | 2533.3 | 2722.2 | 2769.5 | 2596.6 | 2366.0 | 2250.7 | 1862.8 | 1086.9 | 505.0  |
| 105°   | 3280.4 | 3178.8 | 3280.4 | 3382.0 | 3407.4 | 3019.7 | 2502.8 | 2244.3 | 1868.7 | 1117.4 | 553.9  |
| 107.5° | 3769.8 | 3794.4 | 3769.8 | 3745.2 | 3739.1 | 3198.3 | 2477.3 | 2116.7 | 1785.5 | 1123.0 | 626.2  |
| 110°   | 3956.4 | 4062.3 | 3956.4 | 3850.6 | 3824.1 | 3219.5 | 2413.5 | 2010.4 | 1711.8 | 1114.5 | 666.6  |





TEST NUMBER: P935369

CATALOG NUMBER: SQ4-FA-100U-125D-935-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 3973.1 | 4135.7 | 3973.1 | 3810.6 | 3769.9 | 3151.2 | 2326.2 | 1913.7 | 1647.4 | 1114.9 | 715.5  |
| 115°   | 3867.7 | 4093.1 | 3867.7 | 3642.3 | 3586.0 | 2989.9 | 2195.2 | 1797.8 | 1573.6 | 1125.2 | 788.9  |
| 117.5° | 3644.3 | 3894.3 | 3644.3 | 3394.4 | 3331.9 | 2794.0 | 2076.7 | 1718.1 | 1527.4 | 1146.1 | 860.1  |
| 120°   | 3464.3 | 3707.2 | 3464.3 | 3221.5 | 3160.7 | 2669.2 | 2013.9 | 1686.2 | 1511.9 | 1163.2 | 901.6  |
| 122.5° | 3289.0 | 3528.6 | 3289.0 | 3049.5 | 2989.6 | 2547.0 | 1956.8 | 1661.7 | 1503.7 | 1187.6 | 950.5  |
| 125°   | 3038.9 | 3259.6 | 3038.9 | 2818.2 | 2763.1 | 2387.1 | 1885.8 | 1635.2 | 1497.0 | 1220.5 | 1013.2 |
| 127.5° | 2814.1 | 3000.2 | 2814.1 | 2627.8 | 2581.3 | 2258.5 | 1828.1 | 1612.8 | 1493.0 | 1253.5 | 1073.8 |
| 130°   | 2681.5 | 2853.5 | 2681.5 | 2509.6 | 2466.5 | 2179.2 | 1795.9 | 1604.3 | 1495.4 | 1277.6 | 1114.2 |
| 132.5° | 2561.3 | 2715.3 | 2561.3 | 2407.2 | 2368.7 | 2111.4 | 1768.3 | 1596.8 | 1496.9 | 1297.0 | 1147.1 |
| 135°   | 2396.4 | 2529.2 | 2396.4 | 2263.7 | 2230.5 | 2015.0 | 1727.8 | 1584.1 | 1495.5 | 1318.3 | 1185.4 |
| 137.5° | 2264.3 | 2373.0 | 2264.3 | 2155.6 | 2128.5 | 1946.3 | 1703.4 | 1582.0 | 1504.7 | 1350.2 | 1234.3 |
| 140°   | 2173.6 | 2275.2 | 2173.6 | 2072.0 | 2046.6 | 1889.2 | 1679.4 | 1574.5 | 1506.3 | 1369.7 | 1267.3 |
| 142.5° | 2098.4 | 2185.8 | 2098.4 | 2011.0 | 1989.2 | 1851.0 | 1666.7 | 1574.5 | 1511.6 | 1385.9 | 1291.7 |
| 145°   | 1985.8 | 2051.9 | 1985.8 | 1919.6 | 1903.0 | 1790.0 | 1639.2 | 1563.9 | 1511.7 | 1407.2 | 1328.9 |
| 147.5° | 1899.3 | 1954.1 | 1899.3 | 1844.5 | 1830.8 | 1741.8 | 1623.2 | 1563.9 | 1522.1 | 1438.4 | 1375.7 |
| 150°   | 1844.8 | 1889.2 | 1844.8 | 1800.4 | 1789.3 | 1714.1 | 1614.0 | 1563.9 | 1527.6 | 1454.8 | 1400.2 |
| 152.5° | 1798.2 | 1831.8 | 1798.2 | 1764.7 | 1756.3 | 1692.2 | 1606.7 | 1563.9 | 1531.0 | 1465.4 | 1416.1 |
| 155°   | 1744.7 | 1767.0 | 1744.7 | 1722.5 | 1717.0 | 1665.9 | 1597.9 | 1563.9 | 1538.9 | 1488.8 | 1451.2 |
| 157.5° | 1702.5 | 1718.1 | 1702.5 | 1686.9 | 1683.0 | 1643.3 | 1590.3 | 1563.9 | 1546.7 | 1512.2 | 1486.3 |
| 160°   | 1677.2 | 1686.2 | 1677.2 | 1668.1 | 1665.9 | 1631.9 | 1586.6 | 1563.9 | 1550.2 | 1522.8 | 1502.2 |
| 162.5° | 1660.6 | 1669.2 | 1660.6 | 1652.1 | 1650.0 | 1621.3 | 1583.0 | 1563.9 | 1554.0 | 1534.1 | 1519.2 |
| 165°   | 1636.8 | 1645.7 | 1636.8 | 1627.7 | 1625.5 | 1605.0 | 1577.6 | 1563.9 | 1559.4 | 1550.4 | 1543.7 |
| 167.5° | 1619.7 | 1623.4 | 1619.7 | 1615.9 | 1615.0 | 1601.5 | 1583.5 | 1574.5 | 1570.7 | 1563.2 | 1557.5 |
| 170°   | 1615.0 | 1615.0 | 1615.0 | 1615.0 | 1615.0 | 1601.5 | 1583.5 | 1574.5 | 1574.2 | 1573.8 | 1573.5 |
| 172.5° | 1602.3 | 1598.9 | 1602.3 | 1605.6 | 1606.4 | 1595.8 | 1581.6 | 1574.5 | 1574.5 | 1574.5 | 1574.5 |
| 175°   | 1594.7 | 1594.7 | 1594.7 | 1594.7 | 1594.7 | 1588.0 | 1579.0 | 1574.5 | 1576.6 | 1580.9 | 1584.1 |
| 177.5° | 1587.9 | 1584.1 | 1587.9 | 1591.6 | 1592.6 | 1587.3 | 1580.2 | 1576.6 | 1578.3 | 1581.7 | 1584.1 |
| 180°   | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 |



TEST NUMBER: P935369

CATALOG NUMBER: SQ4-FA-100U-125D-935-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 |
| 2.5°   | 4636.7 | 4610.8 | 4610.8 | 4567.5 | 4550.2 | 4537.2 | 4515.6 | 4450.7 | 4433.4 | 4416.1 | 4442.1 |
| 5°     | 4675.6 | 4628.1 | 4593.4 | 4515.6 | 4450.7 | 4424.8 | 4342.6 | 4186.8 | 4083.0 | 4005.2 | 3962.0 |
| 7.5°   | 4684.3 | 4623.7 | 4558.8 | 4437.7 | 4282.0 | 4212.8 | 3962.0 | 3676.5 | 3598.6 | 3529.4 | 3486.1 |
| 10°    | 4675.6 | 4606.4 | 4515.6 | 4334.0 | 3966.2 | 3845.2 | 3594.3 | 3408.3 | 3360.7 | 3347.8 | 3360.7 |
| 12.5°  | 4645.4 | 4580.4 | 4455.0 | 4152.2 | 3637.5 | 3555.4 | 3408.3 | 3300.1 | 3291.5 | 3313.2 | 3429.9 |
| 15°    | 4593.4 | 4532.9 | 4385.8 | 3910.0 | 3455.9 | 3395.3 | 3291.5 | 3252.6 | 3300.1 | 3451.5 | 3801.9 |
| 17.5°  | 4541.5 | 4472.3 | 4290.7 | 3672.1 | 3317.5 | 3274.2 | 3200.7 | 3278.6 | 3546.7 | 3750.0 | 3866.8 |
| 20°    | 4472.3 | 4390.1 | 4182.6 | 3499.2 | 3218.0 | 3179.1 | 3144.5 | 3494.8 | 3698.1 | 3771.6 | 3836.5 |
| 22.5°  | 4390.1 | 4303.6 | 4035.5 | 3378.0 | 3114.2 | 3083.9 | 3105.5 | 3615.9 | 3698.1 | 3750.0 | 3806.2 |
| 25°    | 4282.0 | 4208.5 | 3862.5 | 3282.8 | 3032.0 | 2997.4 | 3079.6 | 3602.9 | 3650.5 | 3663.5 | 3776.0 |
| 27.5°  | 4182.6 | 4087.4 | 3680.8 | 3196.4 | 2932.5 | 2919.5 | 3101.2 | 3546.7 | 3581.3 | 3594.3 | 3715.4 |
| 30°    | 4061.4 | 3918.7 | 3477.5 | 3105.5 | 2828.7 | 2824.4 | 3105.5 | 3477.5 | 3468.8 | 3503.4 | 3624.6 |
| 32.5°  | 3936.0 | 3667.9 | 3248.2 | 2993.1 | 2729.2 | 2725.0 | 3075.3 | 3373.7 | 3365.1 | 3412.6 | 3503.4 |
| 35°    | 3819.2 | 3473.2 | 2936.8 | 2863.3 | 2603.8 | 2608.1 | 3001.8 | 3252.6 | 3256.9 | 3300.1 | 3356.4 |
| 37.5°  | 3698.1 | 3304.5 | 2595.2 | 2720.6 | 2482.7 | 2482.7 | 2902.3 | 3140.1 | 3131.5 | 3144.5 | 3222.3 |
| 40°    | 3555.4 | 3040.6 | 2292.4 | 2534.6 | 2370.3 | 2357.2 | 2781.2 | 3019.1 | 2988.7 | 2984.5 | 3092.6 |
| 42.5°  | 3404.0 | 2750.9 | 2067.5 | 2288.0 | 2240.5 | 2223.2 | 2634.0 | 2872.0 | 2815.8 | 2828.7 | 2967.1 |
| 45°    | 3239.6 | 2673.0 | 1894.4 | 1933.4 | 2106.4 | 2093.4 | 2474.0 | 2703.3 | 2664.4 | 2699.0 | 2841.7 |
| 47.5°  | 3075.3 | 2517.3 | 1838.3 | 1604.7 | 1963.7 | 1959.3 | 2296.7 | 2539.0 | 2517.3 | 2551.9 | 2703.3 |
| 50°    | 2850.4 | 2344.3 | 1833.9 | 1375.5 | 1803.6 | 1820.9 | 2084.8 | 2378.9 | 2378.9 | 2409.2 | 2569.2 |
| 52.5°  | 2560.5 | 2132.4 | 1665.2 | 1245.7 | 1617.6 | 1669.6 | 1898.8 | 2240.5 | 2249.1 | 2279.4 | 2422.2 |
| 55°    | 2296.7 | 1911.8 | 1544.1 | 1146.2 | 1397.0 | 1509.5 | 1717.1 | 2097.7 | 2115.1 | 2145.3 | 2275.1 |
| 57.5°  | 2054.5 | 1591.7 | 1518.2 | 1029.4 | 1193.7 | 1301.9 | 1557.1 | 1959.3 | 1968.0 | 1993.9 | 2119.4 |
| 60°    | 1795.0 | 1150.5 | 1392.8 | 904.0  | 1016.4 | 1098.7 | 1410.1 | 1795.0 | 1825.2 | 1842.5 | 1950.7 |
| 62.5°  | 1500.9 | 834.8  | 1263.0 | 817.5  | 930.0  | 947.3  | 1288.9 | 1639.2 | 1678.2 | 1691.1 | 1756.1 |
| 65°    | 1068.3 | 700.7  | 1072.7 | 744.0  | 839.1  | 843.4  | 1159.1 | 1479.2 | 1513.8 | 1535.5 | 1583.0 |
| 67.5°  | 722.3  | 570.9  | 817.5  | 674.7  | 769.9  | 774.2  | 1033.7 | 1293.3 | 1340.8 | 1358.2 | 1388.4 |
| 70°    | 501.7  | 380.6  | 605.5  | 601.2  | 692.1  | 700.7  | 899.6  | 1124.6 | 1167.8 | 1180.8 | 1198.1 |
| 72.5°  | 367.6  | 307.1  | 501.7  | 540.7  | 609.9  | 618.6  | 761.3  | 934.2  | 977.5  | 990.4  | 999.1  |
| 75°    | 281.2  | 324.4  | 406.6  | 471.4  | 519.0  | 523.4  | 622.8  | 761.3  | 791.5  | 800.2  | 804.5  |
| 77.5°  | 224.9  | 302.8  | 298.5  | 380.6  | 423.9  | 415.3  | 488.8  | 588.2  | 614.2  | 614.2  | 614.2  |
| 80°    | 168.7  | 237.9  | 224.9  | 272.5  | 311.4  | 302.8  | 350.3  | 419.5  | 428.2  | 436.8  | 432.6  |
| 82.5°  | 125.4  | 151.4  | 151.4  | 173.0  | 207.6  | 198.9  | 233.5  | 272.5  | 272.5  | 272.5  | 281.2  |
| 85°    | 77.9   | 86.5   | 69.2   | 90.8   | 116.8  | 112.5  | 129.8  | 147.1  | 151.4  | 151.4  | 142.7  |
| 87.5°  | 47.5   | 38.9   | 21.6   | 34.6   | 51.9   | 51.9   | 60.6   | 64.8   | 60.6   | 60.6   | 60.6   |
| 90°    | 27.6   | 19.2   | 10.6   | 19.2   | 27.6   | 29.7   | 46.8   | 69.4   | 80.8   | 71.8   | 53.8   |
| 92.5°  | 187.1  | 114.8  | 42.5   | 114.8  | 187.1  | 205.2  | 288.5  | 399.5  | 455.1  | 398.8  | 286.4  |
| 95°    | 366.7  | 234.4  | 102.1  | 234.4  | 366.7  | 399.8  | 709.8  | 1123.3 | 1330.0 | 1186.8 | 900.5  |
| 97.5°  | 409.9  | 293.2  | 176.4  | 293.2  | 409.9  | 439.1  | 956.1  | 1645.5 | 1990.2 | 1899.7 | 1718.7 |
| 100°   | 445.5  | 339.7  | 233.9  | 339.7  | 445.5  | 472.0  | 1045.7 | 1810.8 | 2193.3 | 2199.9 | 2213.2 |
| 102.5° | 480.3  | 381.5  | 282.8  | 381.5  | 480.3  | 505.0  | 1086.9 | 1862.8 | 2250.7 | 2366.0 | 2596.6 |
| 105°   | 533.0  | 449.3  | 365.8  | 449.3  | 533.0  | 553.9  | 1117.4 | 1868.7 | 2244.3 | 2502.8 | 3019.7 |
| 107.5° | 606.7  | 528.8  | 450.8  | 528.8  | 606.7  | 626.2  | 1123.0 | 1785.5 | 2116.7 | 2477.3 | 3198.3 |
| 110°   | 649.0  | 578.6  | 508.2  | 578.6  | 649.0  | 666.6  | 1114.5 | 1711.8 | 2010.4 | 2413.5 | 3219.5 |



TEST NUMBER: P935369

CATALOG NUMBER: SQ4-FA-100U-125D-935-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 698.7  | 631.7  | 564.5  | 631.7  | 698.7  | 715.5  | 1114.9 | 1647.4 | 1913.7 | 2326.2 | 3151.2 |
| 115°   | 773.4  | 711.5  | 649.6  | 711.5  | 773.4  | 788.9  | 1125.2 | 1573.6 | 1797.8 | 2195.2 | 2989.9 |
| 117.5° | 846.0  | 789.8  | 733.6  | 789.8  | 846.0  | 860.1  | 1146.1 | 1527.4 | 1718.1 | 2076.7 | 2794.0 |
| 120°   | 888.4  | 835.4  | 782.5  | 835.4  | 888.4  | 901.6  | 1163.2 | 1511.9 | 1686.2 | 2013.9 | 2669.2 |
| 122.5° | 937.1  | 883.8  | 830.4  | 883.8  | 937.1  | 950.5  | 1187.6 | 1503.7 | 1661.7 | 1956.8 | 2547.0 |
| 125°   | 1001.0 | 952.4  | 903.7  | 952.4  | 1001.0 | 1013.2 | 1220.5 | 1497.0 | 1635.2 | 1885.8 | 2387.1 |
| 127.5° | 1061.5 | 1012.3 | 963.2  | 1012.3 | 1061.5 | 1073.8 | 1253.5 | 1493.0 | 1612.8 | 1828.1 | 2258.5 |
| 130°   | 1101.0 | 1048.0 | 995.1  | 1048.0 | 1101.0 | 1114.2 | 1277.6 | 1495.4 | 1604.3 | 1795.9 | 2179.2 |
| 132.5° | 1133.9 | 1081.0 | 1028.1 | 1081.0 | 1133.9 | 1147.1 | 1297.0 | 1496.9 | 1596.8 | 1768.3 | 2111.4 |
| 135°   | 1173.4 | 1125.2 | 1077.0 | 1125.2 | 1173.4 | 1185.4 | 1318.3 | 1495.5 | 1584.1 | 1727.8 | 2015.0 |
| 137.5° | 1222.4 | 1174.7 | 1126.9 | 1174.7 | 1222.4 | 1234.3 | 1350.2 | 1504.7 | 1582.0 | 1703.4 | 1946.3 |
| 140°   | 1256.3 | 1212.4 | 1168.4 | 1212.4 | 1256.3 | 1267.3 | 1369.7 | 1506.3 | 1574.5 | 1679.4 | 1889.2 |
| 142.5° | 1281.6 | 1240.9 | 1200.3 | 1240.9 | 1281.6 | 1291.7 | 1385.9 | 1511.6 | 1574.5 | 1666.7 | 1851.0 |
| 145°   | 1320.1 | 1284.6 | 1249.2 | 1284.6 | 1320.1 | 1328.9 | 1407.2 | 1511.7 | 1563.9 | 1639.2 | 1790.0 |
| 147.5° | 1367.1 | 1332.6 | 1298.1 | 1332.6 | 1367.1 | 1375.7 | 1438.4 | 1522.1 | 1563.9 | 1623.2 | 1741.8 |
| 150°   | 1392.3 | 1361.2 | 1330.0 | 1361.2 | 1392.3 | 1400.2 | 1454.8 | 1527.6 | 1563.9 | 1614.0 | 1714.1 |
| 152.5° | 1410.2 | 1386.5 | 1362.9 | 1386.5 | 1410.2 | 1416.1 | 1465.4 | 1531.0 | 1563.9 | 1606.7 | 1692.2 |
| 155°   | 1446.9 | 1429.3 | 1411.8 | 1429.3 | 1446.9 | 1451.2 | 1488.8 | 1538.9 | 1563.9 | 1597.9 | 1665.9 |
| 157.5° | 1482.1 | 1465.0 | 1448.0 | 1465.0 | 1482.1 | 1486.3 | 1512.2 | 1546.7 | 1563.9 | 1590.3 | 1643.3 |
| 160°   | 1498.9 | 1485.7 | 1472.4 | 1485.7 | 1498.9 | 1502.2 | 1522.8 | 1550.2 | 1563.9 | 1586.6 | 1631.9 |
| 162.5° | 1516.7 | 1506.8 | 1496.9 | 1506.8 | 1516.7 | 1519.2 | 1534.1 | 1554.0 | 1563.9 | 1583.0 | 1621.3 |
| 165°   | 1541.4 | 1532.4 | 1523.5 | 1532.4 | 1541.4 | 1543.7 | 1550.4 | 1559.4 | 1563.9 | 1577.6 | 1605.0 |
| 167.5° | 1556.4 | 1552.2 | 1547.9 | 1552.2 | 1556.4 | 1557.5 | 1563.2 | 1570.7 | 1574.5 | 1583.5 | 1601.5 |
| 170°   | 1572.5 | 1568.2 | 1563.9 | 1568.2 | 1572.5 | 1573.5 | 1573.8 | 1574.2 | 1574.5 | 1583.5 | 1601.5 |
| 172.5° | 1574.2 | 1573.3 | 1572.4 | 1573.3 | 1574.2 | 1574.5 | 1574.5 | 1574.5 | 1574.5 | 1581.6 | 1595.8 |
| 175°   | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1580.9 | 1576.6 | 1574.5 | 1579.0 | 1588.0 |
| 177.5° | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1581.7 | 1578.3 | 1576.6 | 1580.2 | 1587.3 |
| 180°   | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 |



TEST NUMBER: P935369

CATALOG NUMBER: SQ4-FA-100U-125D-935-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 |
| 2.5°   | 4411.7 | 4398.8 | 4416.1 | 4368.5 | 4416.1 | 4398.8 | 4411.7 | 4442.1 | 4416.1 | 4433.4 | 4450.7 |
| 5°     | 3871.1 | 3849.5 | 3780.2 | 3724.1 | 3780.2 | 3849.5 | 3871.1 | 3962.0 | 4005.2 | 4083.0 | 4186.8 |
| 7.5°   | 3460.2 | 3442.9 | 3425.6 | 3391.0 | 3425.6 | 3442.9 | 3460.2 | 3486.1 | 3529.4 | 3598.6 | 3676.5 |
| 10°    | 3369.4 | 3373.7 | 3399.7 | 3395.3 | 3399.7 | 3373.7 | 3369.4 | 3360.7 | 3347.8 | 3360.7 | 3408.3 |
| 12.5°  | 3602.9 | 3641.9 | 3784.6 | 3776.0 | 3784.6 | 3641.9 | 3602.9 | 3429.9 | 3313.2 | 3291.5 | 3300.1 |
| 15°    | 3871.1 | 3884.1 | 3914.3 | 3918.7 | 3914.3 | 3884.1 | 3871.1 | 3801.9 | 3451.5 | 3300.1 | 3252.6 |
| 17.5°  | 3897.0 | 3901.4 | 3923.0 | 3923.0 | 3923.0 | 3901.4 | 3897.0 | 3866.8 | 3750.0 | 3546.7 | 3278.6 |
| 20°    | 3875.4 | 3884.1 | 3927.4 | 3936.0 | 3927.4 | 3884.1 | 3875.4 | 3836.5 | 3771.6 | 3698.1 | 3494.8 |
| 22.5°  | 3866.8 | 3884.1 | 3918.7 | 3914.3 | 3918.7 | 3884.1 | 3866.8 | 3806.2 | 3750.0 | 3698.1 | 3615.9 |
| 25°    | 3823.5 | 3823.5 | 3827.9 | 3832.2 | 3827.9 | 3823.5 | 3823.5 | 3776.0 | 3663.5 | 3650.5 | 3602.9 |
| 27.5°  | 3732.7 | 3741.4 | 3767.3 | 3762.9 | 3767.3 | 3741.4 | 3732.7 | 3715.4 | 3594.3 | 3581.3 | 3546.7 |
| 30°    | 3650.5 | 3641.9 | 3620.2 | 3602.9 | 3620.2 | 3641.9 | 3650.5 | 3624.6 | 3503.4 | 3468.8 | 3477.5 |
| 32.5°  | 3512.1 | 3490.5 | 3468.8 | 3455.9 | 3468.8 | 3490.5 | 3512.1 | 3503.4 | 3412.6 | 3365.1 | 3373.7 |
| 35°    | 3347.8 | 3352.1 | 3347.8 | 3334.8 | 3347.8 | 3352.1 | 3347.8 | 3356.4 | 3300.1 | 3256.9 | 3252.6 |
| 37.5°  | 3231.0 | 3239.6 | 3235.3 | 3218.0 | 3235.3 | 3239.6 | 3231.0 | 3222.3 | 3144.5 | 3131.5 | 3140.1 |
| 40°    | 3109.9 | 3114.2 | 3109.9 | 3096.8 | 3109.9 | 3114.2 | 3109.9 | 3092.6 | 2984.5 | 2988.7 | 3019.1 |
| 42.5°  | 2993.1 | 2988.7 | 2975.8 | 2967.1 | 2975.8 | 2988.7 | 2993.1 | 2967.1 | 2828.7 | 2815.8 | 2872.0 |
| 45°    | 2859.0 | 2863.3 | 2837.3 | 2824.4 | 2837.3 | 2863.3 | 2859.0 | 2841.7 | 2699.0 | 2664.4 | 2703.3 |
| 47.5°  | 2725.0 | 2725.0 | 2703.3 | 2690.3 | 2703.3 | 2725.0 | 2725.0 | 2703.3 | 2551.9 | 2517.3 | 2539.0 |
| 50°    | 2582.2 | 2577.9 | 2547.6 | 2543.2 | 2547.6 | 2577.9 | 2582.2 | 2569.2 | 2409.2 | 2378.9 | 2378.9 |
| 52.5°  | 2417.8 | 2417.8 | 2422.2 | 2430.8 | 2422.2 | 2417.8 | 2417.8 | 2422.2 | 2279.4 | 2249.1 | 2240.5 |
| 55°    | 2275.1 | 2279.4 | 2309.7 | 2318.4 | 2309.7 | 2279.4 | 2275.1 | 2275.1 | 2145.3 | 2115.1 | 2097.7 |
| 57.5°  | 2128.0 | 2128.0 | 2149.7 | 2149.7 | 2149.7 | 2128.0 | 2128.0 | 2119.4 | 1993.9 | 1968.0 | 1959.3 |
| 60°    | 1959.3 | 1968.0 | 1985.3 | 1981.0 | 1985.3 | 1968.0 | 1959.3 | 1950.7 | 1842.5 | 1825.2 | 1795.0 |
| 62.5°  | 1782.0 | 1790.6 | 1795.0 | 1786.3 | 1795.0 | 1790.6 | 1782.0 | 1756.1 | 1691.1 | 1678.2 | 1639.2 |
| 65°    | 1596.1 | 1604.7 | 1609.0 | 1600.3 | 1609.0 | 1604.7 | 1596.1 | 1583.0 | 1535.5 | 1513.8 | 1479.2 |
| 67.5°  | 1405.7 | 1401.4 | 1397.0 | 1414.3 | 1397.0 | 1401.4 | 1405.7 | 1388.4 | 1358.2 | 1340.8 | 1293.3 |
| 70°    | 1211.0 | 1211.0 | 1206.8 | 1215.4 | 1206.8 | 1211.0 | 1211.0 | 1198.1 | 1180.8 | 1167.8 | 1124.6 |
| 72.5°  | 1003.5 | 999.1  | 1016.4 | 1003.5 | 1016.4 | 999.1  | 1003.5 | 999.1  | 990.4  | 977.5  | 934.2  |
| 75°    | 800.2  | 808.8  | 800.2  | 813.1  | 800.2  | 808.8  | 800.2  | 804.5  | 800.2  | 791.5  | 761.3  |
| 77.5°  | 609.9  | 618.6  | 609.9  | 609.9  | 609.9  | 618.6  | 609.9  | 614.2  | 614.2  | 614.2  | 588.2  |
| 80°    | 432.6  | 428.2  | 428.2  | 423.9  | 428.2  | 428.2  | 432.6  | 432.6  | 436.8  | 428.2  | 419.5  |
| 82.5°  | 276.8  | 272.5  | 272.5  | 281.2  | 272.5  | 272.5  | 276.8  | 281.2  | 272.5  | 272.5  | 272.5  |
| 85°    | 151.4  | 155.7  | 147.1  | 147.1  | 147.1  | 155.7  | 151.4  | 142.7  | 151.4  | 151.4  | 147.1  |
| 87.5°  | 56.2   | 51.9   | 51.9   | 51.9   | 51.9   | 51.9   | 56.2   | 60.6   | 60.6   | 60.6   | 64.8   |
| 90°    | 40.4   | 40.4   | 40.4   | 40.4   | 40.4   | 40.4   | 40.4   | 53.8   | 71.8   | 80.8   | 69.4   |
| 92.5°  | 202.0  | 194.0  | 161.8  | 129.7  | 161.8  | 194.0  | 202.0  | 286.4  | 398.8  | 455.1  | 399.5  |
| 95°    | 685.7  | 661.3  | 564.0  | 466.7  | 564.0  | 661.3  | 685.7  | 900.5  | 1186.8 | 1330.0 | 1123.3 |
| 97.5°  | 1583.0 | 1536.8 | 1351.5 | 1166.3 | 1351.5 | 1536.8 | 1583.0 | 1718.7 | 1899.7 | 1990.2 | 1645.5 |
| 100°   | 2223.0 | 2167.9 | 1947.2 | 1726.6 | 1947.2 | 2167.9 | 2223.0 | 2213.2 | 2199.9 | 2193.3 | 1810.8 |
| 102.5° | 2769.5 | 2722.2 | 2533.3 | 2344.3 | 2533.3 | 2722.2 | 2769.5 | 2596.6 | 2366.0 | 2250.7 | 1862.8 |
| 105°   | 3407.4 | 3382.0 | 3280.4 | 3178.8 | 3280.4 | 3382.0 | 3407.4 | 3019.7 | 2502.8 | 2244.3 | 1868.7 |
| 107.5° | 3739.1 | 3745.2 | 3769.8 | 3794.4 | 3769.8 | 3745.2 | 3739.1 | 3198.3 | 2477.3 | 2116.7 | 1785.5 |
| 110°   | 3824.1 | 3850.6 | 3956.4 | 4062.3 | 3956.4 | 3850.6 | 3824.1 | 3219.5 | 2413.5 | 2010.4 | 1711.8 |



TEST NUMBER: P935369

CATALOG NUMBER: SQ4-FA-100U-125D-935-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 3769.9 | 3810.6 | 3973.1 | 4135.7 | 3973.1 | 3810.6 | 3769.9 | 3151.2 | 2326.2 | 1913.7 | 1647.4 |
| 115°   | 3586.0 | 3642.3 | 3867.7 | 4093.1 | 3867.7 | 3642.3 | 3586.0 | 2989.9 | 2195.2 | 1797.8 | 1573.6 |
| 117.5° | 3331.9 | 3394.4 | 3644.3 | 3894.3 | 3644.3 | 3394.4 | 3331.9 | 2794.0 | 2076.7 | 1718.1 | 1527.4 |
| 120°   | 3160.7 | 3221.5 | 3464.3 | 3707.2 | 3464.3 | 3221.5 | 3160.7 | 2669.2 | 2013.9 | 1686.2 | 1511.9 |
| 122.5° | 2989.6 | 3049.5 | 3289.0 | 3528.6 | 3289.0 | 3049.5 | 2989.6 | 2547.0 | 1956.8 | 1661.7 | 1503.7 |
| 125°   | 2763.1 | 2818.2 | 3038.9 | 3259.6 | 3038.9 | 2818.2 | 2763.1 | 2387.1 | 1885.8 | 1635.2 | 1497.0 |
| 127.5° | 2581.3 | 2627.8 | 2814.1 | 3000.2 | 2814.1 | 2627.8 | 2581.3 | 2258.5 | 1828.1 | 1612.8 | 1493.0 |
| 130°   | 2466.5 | 2509.6 | 2681.5 | 2853.5 | 2681.5 | 2509.6 | 2466.5 | 2179.2 | 1795.9 | 1604.3 | 1495.4 |
| 132.5° | 2368.7 | 2407.2 | 2561.3 | 2715.3 | 2561.3 | 2407.2 | 2368.7 | 2111.4 | 1768.3 | 1596.8 | 1496.9 |
| 135°   | 2230.5 | 2263.7 | 2396.4 | 2529.2 | 2396.4 | 2263.7 | 2230.5 | 2015.0 | 1727.8 | 1584.1 | 1495.5 |
| 137.5° | 2128.5 | 2155.6 | 2264.3 | 2373.0 | 2264.3 | 2155.6 | 2128.5 | 1946.3 | 1703.4 | 1582.0 | 1504.7 |
| 140°   | 2046.6 | 2072.0 | 2173.6 | 2275.2 | 2173.6 | 2072.0 | 2046.6 | 1889.2 | 1679.4 | 1574.5 | 1506.3 |
| 142.5° | 1989.2 | 2011.0 | 2098.4 | 2185.8 | 2098.4 | 2011.0 | 1989.2 | 1851.0 | 1666.7 | 1574.5 | 1511.6 |
| 145°   | 1903.0 | 1919.6 | 1985.8 | 2051.9 | 1985.8 | 1919.6 | 1903.0 | 1790.0 | 1639.2 | 1563.9 | 1511.7 |
| 147.5° | 1830.8 | 1844.5 | 1899.3 | 1954.1 | 1899.3 | 1844.5 | 1830.8 | 1741.8 | 1623.2 | 1563.9 | 1522.1 |
| 150°   | 1789.3 | 1800.4 | 1844.8 | 1889.2 | 1844.8 | 1800.4 | 1789.3 | 1714.1 | 1614.0 | 1563.9 | 1527.6 |
| 152.5° | 1756.3 | 1764.7 | 1798.2 | 1831.8 | 1798.2 | 1764.7 | 1756.3 | 1692.2 | 1606.7 | 1563.9 | 1531.0 |
| 155°   | 1717.0 | 1722.5 | 1744.7 | 1767.0 | 1744.7 | 1722.5 | 1717.0 | 1665.9 | 1597.9 | 1563.9 | 1538.9 |
| 157.5° | 1683.0 | 1686.9 | 1702.5 | 1718.1 | 1702.5 | 1686.9 | 1683.0 | 1643.3 | 1590.3 | 1563.9 | 1546.7 |
| 160°   | 1665.9 | 1668.1 | 1677.2 | 1686.2 | 1677.2 | 1668.1 | 1665.9 | 1631.9 | 1586.6 | 1563.9 | 1550.2 |
| 162.5° | 1650.0 | 1652.1 | 1660.6 | 1669.2 | 1660.6 | 1652.1 | 1650.0 | 1621.3 | 1583.0 | 1563.9 | 1554.0 |
| 165°   | 1625.5 | 1627.7 | 1636.8 | 1645.7 | 1636.8 | 1627.7 | 1625.5 | 1605.0 | 1577.6 | 1563.9 | 1559.4 |
| 167.5° | 1615.0 | 1615.9 | 1619.7 | 1623.4 | 1619.7 | 1615.9 | 1615.0 | 1601.5 | 1583.5 | 1574.5 | 1570.7 |
| 170°   | 1615.0 | 1615.0 | 1615.0 | 1615.0 | 1615.0 | 1615.0 | 1615.0 | 1601.5 | 1583.5 | 1574.5 | 1574.2 |
| 172.5° | 1606.4 | 1605.6 | 1602.3 | 1598.9 | 1602.3 | 1605.6 | 1606.4 | 1595.8 | 1581.6 | 1574.5 | 1574.5 |
| 175°   | 1594.7 | 1594.7 | 1594.7 | 1594.7 | 1594.7 | 1594.7 | 1594.7 | 1588.0 | 1579.0 | 1574.5 | 1576.6 |
| 177.5° | 1592.6 | 1591.6 | 1587.9 | 1584.1 | 1587.9 | 1591.6 | 1592.6 | 1587.3 | 1580.2 | 1576.6 | 1578.3 |
| 180°   | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 |



TEST NUMBER: P935369  
 CATALOG NUMBER: SQ4-FA-100U-125D-935-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 0°     | 4571.8 | 4571.8 | 4571.8 | 4571.8 | 4571.8 |
| 2.5°   | 4515.6 | 4537.2 | 4550.2 | 4567.5 | 4610.8 |
| 5°     | 4342.6 | 4424.8 | 4450.7 | 4515.6 | 4593.4 |
| 7.5°   | 3962.0 | 4212.8 | 4282.0 | 4437.7 | 4558.8 |
| 10°    | 3594.3 | 3845.2 | 3966.2 | 4334.0 | 4515.6 |
| 12.5°  | 3408.3 | 3555.4 | 3637.5 | 4152.2 | 4455.0 |
| 15°    | 3291.5 | 3395.3 | 3455.9 | 3910.0 | 4385.8 |
| 17.5°  | 3200.7 | 3274.2 | 3317.5 | 3672.1 | 4290.7 |
| 20°    | 3144.5 | 3179.1 | 3218.0 | 3499.2 | 4182.6 |
| 22.5°  | 3105.5 | 3083.9 | 3114.2 | 3378.0 | 4035.5 |
| 25°    | 3079.6 | 2997.4 | 3032.0 | 3282.8 | 3862.5 |
| 27.5°  | 3101.2 | 2919.5 | 2932.5 | 3196.4 | 3680.8 |
| 30°    | 3105.5 | 2824.4 | 2828.7 | 3105.5 | 3477.5 |
| 32.5°  | 3075.3 | 2725.0 | 2729.2 | 2993.1 | 3248.2 |
| 35°    | 3001.8 | 2608.1 | 2603.8 | 2863.3 | 2936.8 |
| 37.5°  | 2902.3 | 2482.7 | 2482.7 | 2720.6 | 2595.2 |
| 40°    | 2781.2 | 2357.2 | 2370.3 | 2534.6 | 2292.4 |
| 42.5°  | 2634.0 | 2223.2 | 2240.5 | 2288.0 | 2067.5 |
| 45°    | 2474.0 | 2093.4 | 2106.4 | 1933.4 | 1894.4 |
| 47.5°  | 2296.7 | 1959.3 | 1963.7 | 1604.7 | 1838.3 |
| 50°    | 2084.8 | 1820.9 | 1803.6 | 1375.5 | 1833.9 |
| 52.5°  | 1898.8 | 1669.6 | 1617.6 | 1245.7 | 1665.2 |
| 55°    | 1717.1 | 1509.5 | 1397.0 | 1146.2 | 1544.1 |
| 57.5°  | 1557.1 | 1301.9 | 1193.7 | 1029.4 | 1518.2 |
| 60°    | 1410.1 | 1098.7 | 1016.4 | 904.0  | 1392.8 |
| 62.5°  | 1288.9 | 947.3  | 930.0  | 817.5  | 1263.0 |
| 65°    | 1159.1 | 843.4  | 839.1  | 744.0  | 1072.7 |
| 67.5°  | 1033.7 | 774.2  | 769.9  | 674.7  | 817.5  |
| 70°    | 899.6  | 700.7  | 692.1  | 601.2  | 605.5  |
| 72.5°  | 761.3  | 618.6  | 609.9  | 540.7  | 501.7  |
| 75°    | 622.8  | 523.4  | 519.0  | 471.4  | 406.6  |
| 77.5°  | 488.8  | 415.3  | 423.9  | 380.6  | 298.5  |
| 80°    | 350.3  | 302.8  | 311.4  | 272.5  | 224.9  |
| 82.5°  | 233.5  | 198.9  | 207.6  | 173.0  | 151.4  |
| 85°    | 129.8  | 112.5  | 116.8  | 90.8   | 69.2   |
| 87.5°  | 60.6   | 51.9   | 51.9   | 34.6   | 21.6   |
| 90°    | 46.8   | 29.7   | 27.6   | 19.2   | 10.6   |
| 92.5°  | 288.5  | 205.2  | 187.1  | 114.8  | 42.5   |
| 95°    | 709.8  | 399.8  | 366.7  | 234.4  | 102.1  |
| 97.5°  | 956.1  | 439.1  | 409.9  | 293.2  | 176.4  |
| 100°   | 1045.7 | 472.0  | 445.5  | 339.7  | 233.9  |
| 102.5° | 1086.9 | 505.0  | 480.3  | 381.5  | 282.8  |
| 105°   | 1117.4 | 553.9  | 533.0  | 449.3  | 365.8  |
| 107.5° | 1123.0 | 626.2  | 606.7  | 528.8  | 450.8  |
| 110°   | 1114.5 | 666.6  | 649.0  | 578.6  | 508.2  |



TEST NUMBER: P935369  
 CATALOG NUMBER: SQ4-FA-100U-125D-935-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 1114.9 | 715.5  | 698.7  | 631.7  | 564.5  |
| 115°   | 1125.2 | 788.9  | 773.4  | 711.5  | 649.6  |
| 117.5° | 1146.1 | 860.1  | 846.0  | 789.8  | 733.6  |
| 120°   | 1163.2 | 901.6  | 888.4  | 835.4  | 782.5  |
| 122.5° | 1187.6 | 950.5  | 937.1  | 883.8  | 830.4  |
| 125°   | 1220.5 | 1013.2 | 1001.0 | 952.4  | 903.7  |
| 127.5° | 1253.5 | 1073.8 | 1061.5 | 1012.3 | 963.2  |
| 130°   | 1277.6 | 1114.2 | 1101.0 | 1048.0 | 995.1  |
| 132.5° | 1297.0 | 1147.1 | 1133.9 | 1081.0 | 1028.1 |
| 135°   | 1318.3 | 1185.4 | 1173.4 | 1125.2 | 1077.0 |
| 137.5° | 1350.2 | 1234.3 | 1222.4 | 1174.7 | 1126.9 |
| 140°   | 1369.7 | 1267.3 | 1256.3 | 1212.4 | 1168.4 |
| 142.5° | 1385.9 | 1291.7 | 1281.6 | 1240.9 | 1200.3 |
| 145°   | 1407.2 | 1328.9 | 1320.1 | 1284.6 | 1249.2 |
| 147.5° | 1438.4 | 1375.7 | 1367.1 | 1332.6 | 1298.1 |
| 150°   | 1454.8 | 1400.2 | 1392.3 | 1361.2 | 1330.0 |
| 152.5° | 1465.4 | 1416.1 | 1410.2 | 1386.5 | 1362.9 |
| 155°   | 1488.8 | 1451.2 | 1446.9 | 1429.3 | 1411.8 |
| 157.5° | 1512.2 | 1486.3 | 1482.1 | 1465.0 | 1448.0 |
| 160°   | 1522.8 | 1502.2 | 1498.9 | 1485.7 | 1472.4 |
| 162.5° | 1534.1 | 1519.2 | 1516.7 | 1506.8 | 1496.9 |
| 165°   | 1550.4 | 1543.7 | 1541.4 | 1532.4 | 1523.5 |
| 167.5° | 1563.2 | 1557.5 | 1556.4 | 1552.2 | 1547.9 |
| 170°   | 1573.8 | 1573.5 | 1572.5 | 1568.2 | 1563.9 |
| 172.5° | 1574.5 | 1574.5 | 1574.2 | 1573.3 | 1572.4 |
| 175°   | 1580.9 | 1584.1 | 1584.1 | 1584.1 | 1584.1 |
| 177.5° | 1581.7 | 1584.1 | 1584.1 | 1584.1 | 1584.1 |
| 180°   | 1584.1 | 1584.1 | 1584.1 | 1584.1 | 1584.1 |



TEST NUMBER: P935369  
 CATALOG NUMBER: SQ4-FA-100U-125D-935-1D-UNV-STD-W-12

**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 | 14.34            | 15.24 | 15.27 | 16.18 | 17.40 | 17.19          | 18.09 | 18.12 | 19.03 | 20.25 |
|                 | 3H   | 14.82            | 15.62 | 15.76 | 16.58 | 17.82 | 18.55          | 19.35 | 19.49 | 20.30 | 21.55 |
|                 | 4H   | 15.01            | 15.77 | 15.97 | 16.73 | 17.98 | 19.00          | 19.76 | 19.95 | 20.71 | 21.97 |
|                 | 6H   | 15.13            | 15.83 | 16.10 | 16.80 | 18.06 | 19.29          | 19.99 | 20.25 | 20.95 | 22.22 |
|                 | 8H   | 15.14            | 15.80 | 16.11 | 16.78 | 18.04 | 19.37          | 20.03 | 20.34 | 21.01 | 22.28 |
|                 | 12H  | 15.11            | 15.74 | 16.08 | 16.72 | 18.00 | 19.41          | 20.04 | 20.39 | 21.02 | 22.31 |
| 4H              | 2H   | 15.38            | 16.14 | 16.34 | 17.10 | 18.35 | 17.61          | 18.36 | 18.56 | 19.32 | 20.57 |
|                 | 3H   | 16.41            | 17.05 | 17.38 | 18.03 | 19.30 | 19.12          | 19.75 | 20.09 | 20.74 | 22.01 |
|                 | 4H   | 16.69            | 17.27 | 17.67 | 18.25 | 19.54 | 19.65          | 20.23 | 20.63 | 21.21 | 22.50 |
|                 | 6H   | 16.82            | 17.32 | 17.81 | 18.32 | 19.61 | 20.03          | 20.52 | 21.02 | 21.53 | 22.82 |
|                 | 8H   | 16.82            | 17.29 | 17.82 | 18.29 | 19.59 | 20.14          | 20.60 | 21.13 | 21.60 | 22.90 |
|                 | 12H  | 16.79            | 17.21 | 17.80 | 18.23 | 19.54 | 20.20          | 20.62 | 21.21 | 21.63 | 22.94 |
| 8H              | 4H   | 17.15            | 17.62 | 18.14 | 18.61 | 19.92 | 19.78          | 20.25 | 20.77 | 21.24 | 22.55 |
|                 | 6H   | 17.41            | 17.80 | 18.43 | 18.84 | 20.14 | 20.22          | 20.61 | 21.24 | 21.65 | 22.95 |
|                 | 8H   | 17.46            | 17.80 | 18.48 | 18.82 | 20.14 | 20.38          | 20.72 | 21.41 | 21.75 | 23.07 |
|                 | 12H  | 17.44            | 17.74 | 18.47 | 18.76 | 20.13 | 20.48          | 20.78 | 21.51 | 21.80 | 23.17 |
| 12H             | 4H   | 17.16            | 17.58 | 18.17 | 18.59 | 19.90 | 19.75          | 20.17 | 20.76 | 21.18 | 22.49 |
|                 | 6H   | 17.48            | 17.82 | 18.50 | 18.84 | 20.16 | 20.22          | 20.56 | 21.25 | 21.59 | 22.91 |
|                 | 8H   | 17.54            | 17.84 | 18.57 | 18.86 | 20.23 | 20.39          | 20.69 | 21.42 | 21.71 | 23.07 |