

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: P935767

Luminaire Tested: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P935767  
REPORT IS A COMBINATION OF REPORTS P933768 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

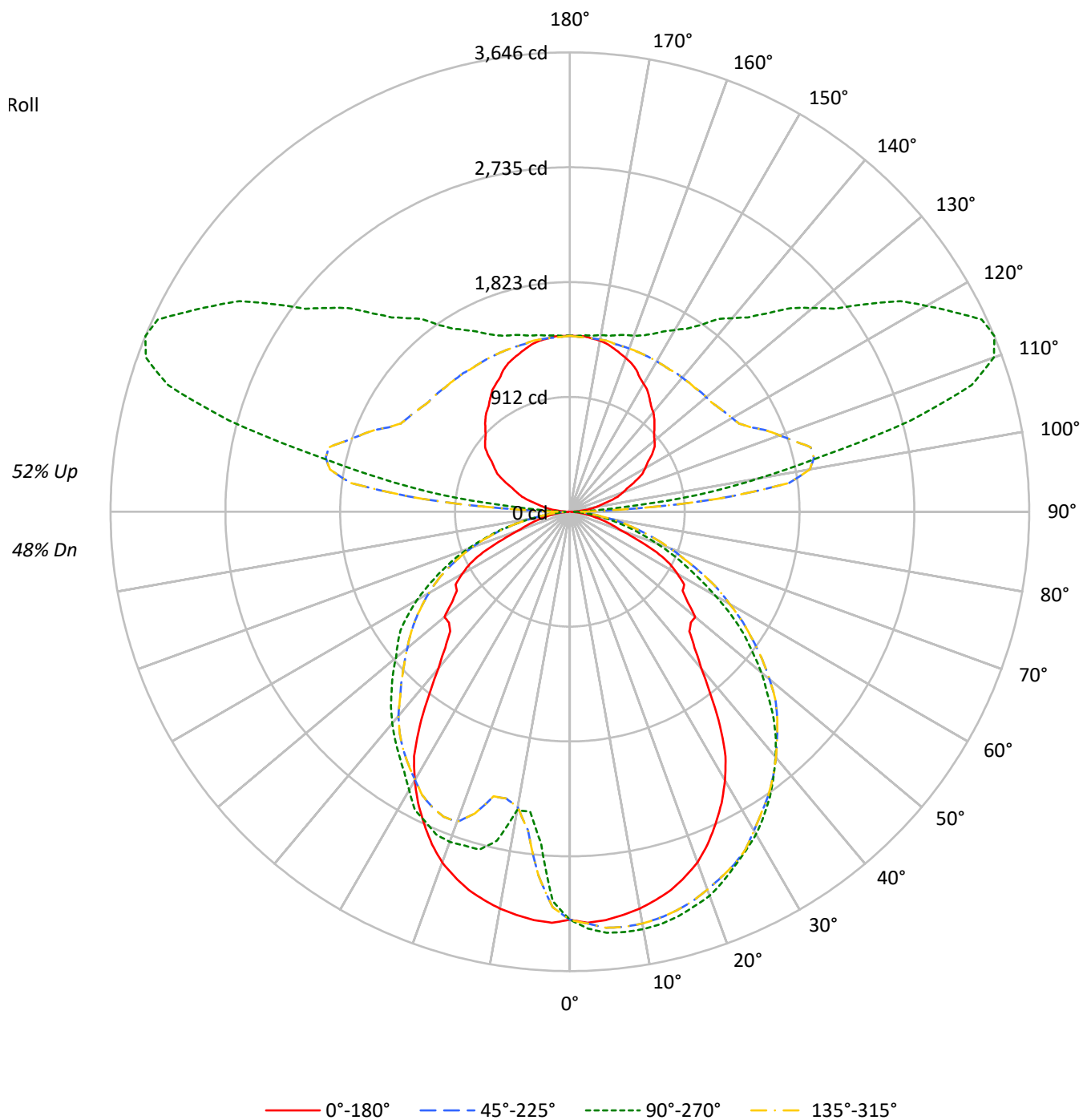
Lumens per Lamp: N/A  
Luminaire Lumens: 17454.3 lumens  
Efficiency: N/A  
Efficacy: 116.1 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 150.4  
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: P935767

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-4000K

### Luminous Intensity Polar Plot



TEST NUMBER: P935767

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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    |    | 20 |    |    |    |    | 20 |    |    |    |    | 20 |
| RC  | 80  |     |     |     | 70 |    |    |    |    | 50 |    |    |    |    | 30 |    |    |    |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 107 | 107 | 107 | 107 | 98 | 98 | 98 | 98 | 82 | 82 | 82 | 68 | 68 | 68 | 54 | 54 | 54 | 48 | 48 | 48 |
| 1   | 97  | 93  | 89  | 86  | 90 | 86 | 83 | 80 | 72 | 70 | 68 | 60 | 58 | 57 | 48 | 47 | 46 | 41 | 41 | 41 |
| 2   | 89  | 81  | 75  | 70  | 81 | 75 | 70 | 65 | 63 | 59 | 56 | 52 | 50 | 47 | 42 | 41 | 39 | 34 | 34 | 34 |
| 3   | 81  | 71  | 64  | 58  | 74 | 66 | 60 | 55 | 56 | 51 | 47 | 46 | 43 | 40 | 38 | 35 | 33 | 29 | 29 | 29 |
| 4   | 74  | 63  | 55  | 49  | 68 | 59 | 52 | 46 | 50 | 44 | 40 | 41 | 37 | 34 | 34 | 31 | 28 | 25 | 25 | 25 |
| 5   | 68  | 56  | 48  | 42  | 62 | 52 | 45 | 40 | 44 | 39 | 35 | 37 | 33 | 30 | 30 | 27 | 25 | 21 | 21 | 21 |
| 6   | 62  | 50  | 42  | 37  | 57 | 47 | 40 | 34 | 40 | 34 | 30 | 33 | 29 | 26 | 27 | 24 | 22 | 19 | 19 | 19 |
| 7   | 58  | 45  | 38  | 32  | 53 | 42 | 35 | 30 | 36 | 31 | 26 | 30 | 26 | 23 | 25 | 22 | 19 | 17 | 17 | 17 |
| 8   | 54  | 41  | 34  | 28  | 49 | 38 | 31 | 27 | 33 | 27 | 23 | 28 | 23 | 20 | 23 | 20 | 17 | 15 | 15 | 15 |
| 9   | 50  | 38  | 30  | 25  | 46 | 35 | 28 | 24 | 30 | 25 | 21 | 25 | 21 | 18 | 21 | 18 | 16 | 13 | 13 | 13 |
| 10  | 47  | 34  | 27  | 22  | 43 | 32 | 26 | 21 | 28 | 22 | 19 | 24 | 19 | 16 | 20 | 16 | 14 | 12 | 12 | 12 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 15023 | 15023 | 15023 | 15023 |
| 5°  | 15135 | 15165 | 15135 | 11924 |
| 10° | 15034 | 14938 | 15034 | 10680 |
| 15° | 14870 | 14614 | 14870 | 12203 |
| 20° | 14559 | 14231 | 14559 | 12229 |
| 25° | 13923 | 13672 | 13923 | 11970 |
| 30° | 13100 | 13207 | 13100 | 11401 |
| 35° | 11679 | 12620 | 11679 | 10775 |
| 40° | 9731  | 11929 | 9731  | 10303 |
| 45° | 8695  | 11120 | 8695  | 9759  |
| 50° | 9237  | 10155 | 9237  | 9215  |
| 55° | 8691  | 9115  | 8691  | 8899  |
| 60° | 8959  | 7742  | 8959  | 8151  |
| 65° | 8122  | 6400  | 8122  | 7153  |
| 70° | 5625  | 5100  | 5625  | 5996  |
| 75° | 4931  | 3770  | 4931  | 4514  |
| 80° | 3975  | 2492  | 3975  | 2714  |
| 85° | 2282  | 1321  | 2282  | 1123  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 13326 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 292.3   | 1.7       |
| 10°-20°   | 829.9   | 4.8       |
| 20°-30°   | 1282.8  | 7.3       |
| 30°-40°   | 1531.4  | 8.8       |
| 40°-50°   | 1540.4  | 8.8       |
| 50°-60°   | 1340.3  | 7.7       |
| 60°-70°   | 950.3   | 5.4       |
| 70°-80°   | 502.8   | 2.9       |
| 80°-90°   | 130.5   | 0.7       |
| 90°-100°  | 680.8   | 3.9       |
| 100°-110° | 1789.8  | 10.3      |
| 110°-120° | 1855.8  | 10.6      |
| 120°-130° | 1488.6  | 8.5       |
| 130°-140° | 1168.0  | 6.7       |
| 140°-150° | 896.5   | 5.1       |
| 150°-160° | 645.6   | 3.7       |
| 160°-170° | 395.0   | 2.3       |
| 170°-180° | 133.5   | 0.8       |
| 0°-30°    | 2405.0  | 13.8      |
| 0°-40°    | 3936.4  | 22.6      |
| 0°-60°    | 6817.1  | 39.1      |
| 0°-90°    | 8400.7  | 48.1      |
| 90°-120°  | 4326.4  | 24.8      |
| 90°-150°  | 7879.4  | 45.1      |
| 90°-180°  | 9054.0  | 51.9      |
| 0°-180°   | 17454.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 3238 | 3238 | 3238 | 3238 | 3238 |      |
| 5°   | 3253 | 3354 | 3253 | 2638 | 3253 | 309  |
| 15°  | 3106 | 3324 | 3106 | 2775 | 3106 | 874  |
| 25°  | 2736 | 3100 | 2736 | 2714 | 2736 | 1256 |
| 35°  | 2080 | 2766 | 2080 | 2362 | 2080 | 1287 |
| 45°  | 1342 | 2279 | 1342 | 2000 | 1342 | 1075 |
| 55°  | 1094 | 1682 | 1094 | 1642 | 1094 | 1005 |
| 65°  | 760  | 1014 | 760  | 1133 | 760  | 726  |
| 75°  | 288  | 481  | 288  | 576  | 288  | 303  |
| 85°  | 49   | 123  | 49   | 104  | 49   | 66   |
| 90°  | 9    | 36   | 9    | 36   | 9    | 10   |
| 95°  | 90   | 412  | 90   | 412  | 90   | 100  |
| 105° | 322  | 2803 | 322  | 2803 | 322  | 342  |
| 115° | 573  | 3609 | 573  | 3609 | 573  | 566  |
| 125° | 797  | 2874 | 797  | 2874 | 797  | 707  |
| 135° | 950  | 2230 | 950  | 2230 | 950  | 735  |
| 145° | 1101 | 1809 | 1101 | 1809 | 1101 | 690  |
| 155° | 1245 | 1558 | 1245 | 1558 | 1245 | 572  |
| 165° | 1343 | 1451 | 1343 | 1451 | 1343 | 379  |
| 175° | 1397 | 1406 | 1397 | 1406 | 1397 | 133  |
| 180° | 1397 | 1397 | 1397 | 1397 | 1397 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 |
| 2.5°   | 3265.5 | 3265.5 | 3283.8 | 3290.0 | 3290.0 | 3280.8 | 3271.6 | 3280.8 | 3308.4 | 3317.6 | 3314.5 |
| 5°     | 3253.2 | 3277.8 | 3311.4 | 3317.6 | 3323.7 | 3320.7 | 3314.5 | 3320.7 | 3351.3 | 3357.4 | 3360.5 |
| 7.5°   | 3228.7 | 3274.7 | 3317.6 | 3326.7 | 3336.0 | 3326.7 | 3323.7 | 3329.8 | 3360.5 | 3366.6 | 3366.6 |
| 10°    | 3198.1 | 3262.5 | 3311.4 | 3317.6 | 3326.7 | 3317.6 | 3317.6 | 3329.8 | 3360.5 | 3366.6 | 3369.6 |
| 12.5°  | 3155.2 | 3244.0 | 3290.0 | 3296.1 | 3308.4 | 3305.3 | 3302.3 | 3314.5 | 3345.1 | 3351.3 | 3351.3 |
| 15°    | 3106.2 | 3210.3 | 3253.2 | 3259.4 | 3280.8 | 3274.7 | 3274.7 | 3286.9 | 3320.7 | 3329.8 | 3326.7 |
| 17.5°  | 3038.8 | 3167.4 | 3216.5 | 3225.6 | 3241.0 | 3237.9 | 3241.0 | 3253.2 | 3283.8 | 3290.0 | 3293.1 |
| 20°    | 2962.2 | 3109.2 | 3167.4 | 3176.7 | 3192.0 | 3192.0 | 3192.0 | 3207.3 | 3237.9 | 3250.2 | 3250.2 |
| 22.5°  | 2858.0 | 3048.0 | 3109.2 | 3115.4 | 3133.8 | 3133.8 | 3139.9 | 3161.4 | 3188.9 | 3192.0 | 3192.0 |
| 25°    | 2735.6 | 2980.6 | 3032.7 | 3051.0 | 3069.4 | 3078.6 | 3087.9 | 3100.1 | 3109.2 | 3106.2 | 3109.2 |
| 27.5°  | 2606.9 | 2894.8 | 2962.2 | 2974.4 | 2999.0 | 3008.2 | 3020.4 | 3023.5 | 3026.6 | 3035.7 | 3029.6 |
| 30°    | 2462.9 | 2775.4 | 2876.4 | 2888.7 | 2928.6 | 2934.6 | 2922.4 | 2928.6 | 2943.9 | 2950.0 | 2956.1 |
| 32.5°  | 2300.6 | 2597.7 | 2787.6 | 2815.2 | 2852.0 | 2833.6 | 2830.5 | 2839.7 | 2864.2 | 2864.2 | 2870.4 |
| 35°    | 2080.0 | 2459.9 | 2704.9 | 2729.4 | 2756.9 | 2735.6 | 2747.8 | 2750.9 | 2766.2 | 2775.4 | 2772.3 |
| 37.5°  | 1838.0 | 2340.4 | 2619.2 | 2637.5 | 2659.0 | 2631.4 | 2649.8 | 2659.0 | 2671.2 | 2665.1 | 2665.1 |
| 40°    | 1623.6 | 2153.5 | 2518.1 | 2530.3 | 2548.7 | 2527.2 | 2545.6 | 2551.7 | 2557.9 | 2551.7 | 2548.7 |
| 42.5°  | 1464.3 | 1948.3 | 2410.8 | 2426.1 | 2413.9 | 2429.2 | 2435.3 | 2447.6 | 2438.4 | 2426.1 | 2426.1 |
| 45°    | 1341.7 | 1893.1 | 2294.4 | 2312.8 | 2294.4 | 2318.9 | 2328.2 | 2328.2 | 2300.6 | 2294.4 | 2291.3 |
| 47.5°  | 1301.9 | 1782.8 | 2178.0 | 2178.0 | 2168.9 | 2199.5 | 2214.7 | 2193.3 | 2165.8 | 2156.5 | 2156.5 |
| 50°    | 1298.8 | 1660.3 | 2018.7 | 2006.5 | 2049.4 | 2086.1 | 2070.8 | 2049.4 | 2027.9 | 1994.3 | 1994.3 |
| 52.5°  | 1179.3 | 1510.2 | 1813.5 | 1859.5 | 1926.8 | 1948.3 | 1923.7 | 1902.3 | 1865.5 | 1850.2 | 1838.0 |
| 55°    | 1093.6 | 1354.0 | 1626.7 | 1718.5 | 1789.0 | 1816.6 | 1770.6 | 1749.1 | 1694.0 | 1684.9 | 1678.7 |
| 57.5°  | 1075.2 | 1127.3 | 1455.0 | 1571.5 | 1657.3 | 1654.2 | 1626.7 | 1586.8 | 1540.9 | 1531.6 | 1528.6 |
| 60°    | 986.4  | 814.8  | 1271.3 | 1409.2 | 1498.0 | 1488.8 | 1464.3 | 1427.5 | 1384.6 | 1378.5 | 1372.4 |
| 62.5°  | 894.5  | 591.3  | 1062.9 | 1219.2 | 1344.8 | 1341.7 | 1320.3 | 1265.1 | 1234.5 | 1219.2 | 1206.9 |
| 65°    | 759.7  | 496.3  | 756.6  | 1014.0 | 1194.7 | 1200.8 | 1154.9 | 1115.1 | 1081.3 | 1062.9 | 1059.9 |
| 67.5°  | 578.9  | 404.3  | 511.6  | 845.5  | 1050.7 | 1044.6 | 986.4  | 968.0  | 925.2  | 915.9  | 897.6  |
| 70°    | 428.9  | 269.6  | 355.4  | 686.2  | 909.8  | 894.5  | 848.5  | 827.1  | 787.3  | 765.9  | 753.5  |
| 72.5°  | 355.4  | 217.5  | 260.4  | 533.0  | 765.9  | 747.5  | 707.7  | 683.1  | 649.5  | 631.1  | 618.8  |
| 75°    | 287.9  | 229.7  | 199.1  | 395.2  | 621.8  | 609.6  | 572.9  | 548.3  | 520.7  | 496.3  | 499.3  |
| 77.5°  | 211.4  | 214.4  | 159.3  | 291.0  | 493.2  | 474.8  | 453.4  | 422.7  | 410.5  | 386.0  | 386.0  |
| 80°    | 159.3  | 168.5  | 119.5  | 199.1  | 355.4  | 355.4  | 337.0  | 315.5  | 294.1  | 281.9  | 281.9  |
| 82.5°  | 107.2  | 107.2  | 88.8   | 125.6  | 242.0  | 232.8  | 220.6  | 214.4  | 202.2  | 196.1  | 196.1  |
| 85°    | 49.0   | 61.3   | 55.1   | 76.6   | 131.7  | 137.9  | 137.9  | 131.7  | 128.6  | 122.6  | 125.6  |
| 87.5°  | 15.3   | 27.6   | 33.7   | 42.9   | 67.4   | 70.4   | 73.5   | 73.5   | 73.5   | 76.6   | 76.6   |
| 90°    | 9.4    | 16.9   | 24.3   | 26.2   | 41.3   | 61.3   | 71.2   | 63.3   | 47.4   | 35.6   | 35.6   |
| 92.5°  | 37.5   | 101.2  | 165.0  | 180.9  | 254.4  | 352.2  | 401.2  | 351.6  | 252.4  | 178.0  | 171.0  |
| 95°    | 90.0   | 206.6  | 323.3  | 352.5  | 625.8  | 990.3  | 1172.5 | 1046.4 | 793.9  | 604.6  | 583.1  |
| 97.5°  | 155.6  | 258.5  | 361.4  | 387.1  | 843.0  | 1450.8 | 1754.7 | 1674.9 | 1515.3 | 1395.7 | 1354.8 |
| 100°   | 206.2  | 299.5  | 392.8  | 416.2  | 922.0  | 1596.4 | 1933.7 | 1939.5 | 1951.2 | 1959.9 | 1911.3 |
| 102.5° | 249.3  | 336.4  | 423.4  | 445.2  | 958.3  | 1642.3 | 1984.3 | 2085.9 | 2289.2 | 2441.7 | 2400.0 |
| 105°   | 322.4  | 396.2  | 469.9  | 488.3  | 985.1  | 1647.5 | 1978.7 | 2206.5 | 2662.3 | 3004.0 | 2981.7 |
| 107.5° | 397.5  | 466.2  | 534.9  | 552.1  | 990.1  | 1574.2 | 1866.2 | 2184.1 | 2819.8 | 3296.5 | 3301.9 |
| 110°   | 448.1  | 510.1  | 572.2  | 587.7  | 982.6  | 1509.2 | 1772.5 | 2127.9 | 2838.5 | 3371.5 | 3394.8 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 497.7  | 556.9  | 616.1  | 630.8  | 982.9  | 1452.4 | 1687.1 | 2050.8 | 2778.1 | 3323.7 | 3359.5 |
| 115°   | 572.7  | 627.3  | 681.8  | 695.4  | 992.0  | 1387.3 | 1585.0 | 1935.3 | 2636.0 | 3161.5 | 3211.2 |
| 117.5° | 646.7  | 696.3  | 745.9  | 758.3  | 1010.4 | 1346.6 | 1514.7 | 1830.9 | 2463.2 | 2937.5 | 2992.6 |
| 120°   | 689.8  | 736.5  | 783.1  | 794.8  | 1025.4 | 1332.8 | 1486.5 | 1775.5 | 2353.2 | 2786.6 | 2840.1 |
| 122.5° | 732.0  | 779.1  | 826.1  | 837.9  | 1046.9 | 1325.6 | 1465.0 | 1725.1 | 2245.5 | 2635.7 | 2688.5 |
| 125°   | 796.7  | 839.6  | 882.5  | 893.2  | 1076.0 | 1319.7 | 1441.6 | 1662.6 | 2104.6 | 2436.1 | 2484.7 |
| 127.5° | 849.2  | 892.6  | 935.8  | 946.7  | 1105.1 | 1316.3 | 1421.9 | 1611.6 | 1991.2 | 2275.8 | 2316.8 |
| 130°   | 877.3  | 924.0  | 970.6  | 982.3  | 1126.3 | 1318.4 | 1414.4 | 1583.3 | 1921.2 | 2174.6 | 2212.5 |
| 132.5° | 906.3  | 953.0  | 999.7  | 1011.3 | 1143.5 | 1319.7 | 1407.8 | 1559.0 | 1861.5 | 2088.3 | 2122.2 |
| 135°   | 949.5  | 992.0  | 1034.5 | 1045.1 | 1162.2 | 1318.5 | 1396.6 | 1523.2 | 1776.5 | 1966.5 | 1995.7 |
| 137.5° | 993.5  | 1035.6 | 1077.7 | 1088.2 | 1190.4 | 1326.6 | 1394.7 | 1501.8 | 1715.9 | 1876.5 | 1900.5 |
| 140°   | 1030.1 | 1068.8 | 1107.6 | 1117.2 | 1207.6 | 1328.0 | 1388.2 | 1480.7 | 1665.6 | 1804.3 | 1826.7 |
| 142.5° | 1058.2 | 1094.1 | 1129.8 | 1138.8 | 1221.9 | 1332.8 | 1388.2 | 1469.3 | 1631.8 | 1753.7 | 1772.9 |
| 145°   | 1101.3 | 1132.5 | 1163.9 | 1171.6 | 1240.7 | 1332.8 | 1378.7 | 1445.2 | 1578.1 | 1677.8 | 1692.4 |
| 147.5° | 1144.5 | 1174.9 | 1205.3 | 1212.9 | 1268.2 | 1341.9 | 1378.7 | 1431.1 | 1535.6 | 1614.1 | 1626.1 |
| 150°   | 1172.5 | 1200.1 | 1227.6 | 1234.5 | 1282.5 | 1346.7 | 1378.7 | 1422.9 | 1511.3 | 1577.5 | 1587.3 |
| 152.5° | 1201.6 | 1222.4 | 1243.2 | 1248.5 | 1291.9 | 1349.8 | 1378.7 | 1416.5 | 1491.9 | 1548.5 | 1555.9 |
| 155°   | 1244.8 | 1260.2 | 1275.6 | 1279.4 | 1312.6 | 1356.7 | 1378.7 | 1408.8 | 1468.8 | 1513.8 | 1518.7 |
| 157.5° | 1276.6 | 1291.6 | 1306.6 | 1310.3 | 1333.1 | 1363.5 | 1378.7 | 1402.1 | 1448.7 | 1483.7 | 1487.2 |
| 160°   | 1298.2 | 1309.9 | 1321.5 | 1324.4 | 1342.5 | 1366.7 | 1378.7 | 1398.7 | 1438.8 | 1468.7 | 1470.7 |
| 162.5° | 1319.7 | 1328.4 | 1337.2 | 1339.4 | 1352.5 | 1370.0 | 1378.7 | 1395.6 | 1429.3 | 1454.7 | 1456.6 |
| 165°   | 1343.2 | 1351.1 | 1359.0 | 1361.0 | 1366.9 | 1374.8 | 1378.7 | 1390.9 | 1415.0 | 1433.1 | 1435.1 |
| 167.5° | 1364.7 | 1368.4 | 1372.2 | 1373.1 | 1378.1 | 1384.8 | 1388.2 | 1396.0 | 1411.9 | 1423.7 | 1424.5 |
| 170°   | 1378.7 | 1382.5 | 1386.3 | 1387.2 | 1387.5 | 1388.0 | 1388.2 | 1396.0 | 1411.9 | 1423.7 | 1423.7 |
| 172.5° | 1386.3 | 1387.1 | 1388.0 | 1388.2 | 1388.2 | 1388.2 | 1388.2 | 1394.4 | 1406.9 | 1416.3 | 1415.6 |
| 175°   | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1393.8 | 1390.1 | 1388.2 | 1392.1 | 1400.0 | 1406.0 | 1406.0 |
| 177.5° | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1394.4 | 1391.5 | 1390.1 | 1393.1 | 1399.4 | 1404.1 | 1403.3 |
| 180°   | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 |

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CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 |
| 2.5°   | 3320.7 | 3311.4 | 3320.7 | 3314.5 | 3317.6 | 3308.4 | 3280.8 | 3271.6 | 3280.8 | 3290.0 | 3290.0 |
| 5°     | 3360.5 | 3354.3 | 3360.5 | 3360.5 | 3357.4 | 3351.3 | 3320.7 | 3314.5 | 3320.7 | 3323.7 | 3317.6 |
| 7.5°   | 3372.7 | 3363.5 | 3372.7 | 3366.6 | 3366.6 | 3360.5 | 3329.8 | 3323.7 | 3326.7 | 3336.0 | 3326.7 |
| 10°    | 3372.7 | 3363.5 | 3372.7 | 3369.6 | 3366.6 | 3360.5 | 3329.8 | 3317.6 | 3317.6 | 3326.7 | 3317.6 |
| 12.5°  | 3357.4 | 3351.3 | 3357.4 | 3351.3 | 3351.3 | 3345.1 | 3314.5 | 3302.3 | 3305.3 | 3308.4 | 3296.1 |
| 15°    | 3332.9 | 3323.7 | 3332.9 | 3326.7 | 3329.8 | 3320.7 | 3286.9 | 3274.7 | 3274.7 | 3280.8 | 3259.4 |
| 17.5°  | 3296.1 | 3283.8 | 3296.1 | 3293.1 | 3290.0 | 3283.8 | 3253.2 | 3241.0 | 3237.9 | 3241.0 | 3225.6 |
| 20°    | 3253.2 | 3244.0 | 3253.2 | 3250.2 | 3250.2 | 3237.9 | 3207.3 | 3192.0 | 3192.0 | 3192.0 | 3176.7 |
| 22.5°  | 3185.8 | 3176.7 | 3185.8 | 3192.0 | 3192.0 | 3188.9 | 3161.4 | 3139.9 | 3133.8 | 3133.8 | 3115.4 |
| 25°    | 3109.2 | 3100.1 | 3109.2 | 3109.2 | 3106.2 | 3109.2 | 3100.1 | 3087.9 | 3078.6 | 3069.4 | 3051.0 |
| 27.5°  | 3035.7 | 3029.6 | 3035.7 | 3029.6 | 3035.7 | 3026.6 | 3023.5 | 3020.4 | 3008.2 | 2999.0 | 2974.4 |
| 30°    | 2962.2 | 2956.1 | 2962.2 | 2956.1 | 2950.0 | 2943.9 | 2928.6 | 2922.4 | 2934.6 | 2928.6 | 2888.7 |
| 32.5°  | 2870.4 | 2864.2 | 2870.4 | 2870.4 | 2864.2 | 2864.2 | 2839.7 | 2830.5 | 2833.6 | 2852.0 | 2815.2 |
| 35°    | 2775.4 | 2766.2 | 2775.4 | 2772.3 | 2775.4 | 2766.2 | 2750.9 | 2747.8 | 2735.6 | 2756.9 | 2729.4 |
| 37.5°  | 2665.1 | 2655.9 | 2665.1 | 2665.1 | 2665.1 | 2671.2 | 2659.0 | 2649.8 | 2631.4 | 2659.0 | 2637.5 |
| 40°    | 2551.7 | 2539.5 | 2551.7 | 2548.7 | 2551.7 | 2557.9 | 2551.7 | 2545.6 | 2527.2 | 2548.7 | 2530.3 |
| 42.5°  | 2423.1 | 2420.0 | 2423.1 | 2426.1 | 2426.1 | 2438.4 | 2447.6 | 2435.3 | 2429.2 | 2413.9 | 2426.1 |
| 45°    | 2285.3 | 2279.1 | 2285.3 | 2291.3 | 2294.4 | 2300.6 | 2328.2 | 2328.2 | 2318.9 | 2294.4 | 2312.8 |
| 47.5°  | 2138.2 | 2122.9 | 2138.2 | 2156.5 | 2156.5 | 2165.8 | 2193.3 | 2214.7 | 2199.5 | 2168.9 | 2178.0 |
| 50°    | 1981.9 | 1985.0 | 1981.9 | 1994.3 | 1994.3 | 2027.9 | 2049.4 | 2070.8 | 2086.1 | 2049.4 | 2006.5 |
| 52.5°  | 1828.8 | 1825.7 | 1828.8 | 1838.0 | 1850.2 | 1865.5 | 1902.3 | 1923.7 | 1948.3 | 1926.8 | 1859.5 |
| 55°    | 1675.6 | 1681.8 | 1675.6 | 1678.7 | 1684.9 | 1694.0 | 1749.1 | 1770.6 | 1816.6 | 1789.0 | 1718.5 |
| 57.5°  | 1522.5 | 1513.2 | 1522.5 | 1528.6 | 1531.6 | 1540.9 | 1586.8 | 1626.7 | 1654.2 | 1657.3 | 1571.5 |
| 60°    | 1344.8 | 1332.6 | 1344.8 | 1372.4 | 1378.5 | 1384.6 | 1427.5 | 1464.3 | 1488.8 | 1498.0 | 1409.2 |
| 62.5°  | 1188.6 | 1167.1 | 1188.6 | 1206.9 | 1219.2 | 1234.5 | 1265.1 | 1320.3 | 1341.7 | 1344.8 | 1219.2 |
| 65°    | 1023.1 | 1014.0 | 1023.1 | 1059.9 | 1062.9 | 1081.3 | 1115.1 | 1154.9 | 1200.8 | 1194.7 | 1014.0 |
| 67.5°  | 873.0  | 873.0  | 873.0  | 897.6  | 915.9  | 925.2  | 968.0  | 986.4  | 1044.6 | 1050.7 | 845.5  |
| 70°    | 735.2  | 732.1  | 735.2  | 753.5  | 765.9  | 787.3  | 827.1  | 848.5  | 894.5  | 909.8  | 686.2  |
| 72.5°  | 603.5  | 600.4  | 603.5  | 618.8  | 631.1  | 649.5  | 683.1  | 707.7  | 747.5  | 765.9  | 533.0  |
| 75°    | 487.1  | 480.9  | 487.1  | 499.3  | 496.3  | 520.7  | 548.3  | 572.9  | 609.6  | 621.8  | 395.2  |
| 77.5°  | 373.7  | 373.7  | 373.7  | 386.0  | 386.0  | 410.5  | 422.7  | 453.4  | 474.8  | 493.2  | 291.0  |
| 80°    | 278.8  | 275.7  | 278.8  | 281.9  | 281.9  | 294.1  | 315.5  | 337.0  | 355.4  | 355.4  | 199.1  |
| 82.5°  | 196.1  | 189.9  | 196.1  | 196.1  | 196.1  | 202.2  | 214.4  | 220.6  | 232.8  | 242.0  | 125.6  |
| 85°    | 122.6  | 122.6  | 122.6  | 125.6  | 122.6  | 128.6  | 131.7  | 137.9  | 137.9  | 131.7  | 76.6   |
| 87.5°  | 79.7   | 76.6   | 79.7   | 76.6   | 76.6   | 73.5   | 73.5   | 73.5   | 70.4   | 67.4   | 42.9   |
| 90°    | 35.6   | 35.6   | 35.6   | 35.6   | 35.6   | 47.4   | 63.3   | 71.2   | 61.3   | 41.3   | 26.2   |
| 92.5°  | 142.7  | 114.3  | 142.7  | 171.0  | 178.0  | 252.4  | 351.6  | 401.2  | 352.2  | 254.4  | 180.9  |
| 95°    | 497.3  | 411.5  | 497.3  | 583.1  | 604.6  | 793.9  | 1046.4 | 1172.5 | 990.3  | 625.8  | 352.5  |
| 97.5°  | 1191.6 | 1028.3 | 1191.6 | 1354.8 | 1395.7 | 1515.3 | 1674.9 | 1754.7 | 1450.8 | 843.0  | 387.1  |
| 100°   | 1716.7 | 1522.2 | 1716.7 | 1911.3 | 1959.9 | 1951.2 | 1939.5 | 1933.7 | 1596.4 | 922.0  | 416.2  |
| 102.5° | 2233.4 | 2066.8 | 2233.4 | 2400.0 | 2441.7 | 2289.2 | 2085.9 | 1984.3 | 1642.3 | 958.3  | 445.2  |
| 105°   | 2892.1 | 2802.6 | 2892.1 | 2981.7 | 3004.0 | 2662.3 | 2206.5 | 1978.7 | 1647.5 | 985.1  | 488.3  |
| 107.5° | 3323.6 | 3345.2 | 3323.6 | 3301.9 | 3296.5 | 2819.8 | 2184.1 | 1866.2 | 1574.2 | 990.1  | 552.1  |
| 110°   | 3488.1 | 3581.5 | 3488.1 | 3394.8 | 3371.5 | 2838.5 | 2127.9 | 1772.5 | 1509.2 | 982.6  | 587.7  |

TEST NUMBER: P935767

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 3502.8 | 3646.1 | 3502.8 | 3359.5 | 3323.7 | 2778.1 | 2050.8 | 1687.1 | 1452.4 | 982.9  | 630.8  |
| 115°   | 3409.9 | 3608.6 | 3409.9 | 3211.2 | 3161.5 | 2636.0 | 1935.3 | 1585.0 | 1387.3 | 992.0  | 695.4  |
| 117.5° | 3213.0 | 3433.4 | 3213.0 | 2992.6 | 2937.5 | 2463.2 | 1830.9 | 1514.7 | 1346.6 | 1010.4 | 758.3  |
| 120°   | 3054.3 | 3268.4 | 3054.3 | 2840.1 | 2786.6 | 2353.2 | 1775.5 | 1486.5 | 1332.8 | 1025.4 | 794.8  |
| 122.5° | 2899.8 | 3110.9 | 2899.8 | 2688.5 | 2635.7 | 2245.5 | 1725.1 | 1465.0 | 1325.6 | 1046.9 | 837.9  |
| 125°   | 2679.3 | 2873.8 | 2679.3 | 2484.7 | 2436.1 | 2104.6 | 1662.6 | 1441.6 | 1319.7 | 1076.0 | 893.2  |
| 127.5° | 2481.0 | 2645.1 | 2481.0 | 2316.8 | 2275.8 | 1991.2 | 1611.6 | 1421.9 | 1316.3 | 1105.1 | 946.7  |
| 130°   | 2364.1 | 2515.7 | 2364.1 | 2212.5 | 2174.6 | 1921.2 | 1583.3 | 1414.4 | 1318.4 | 1126.3 | 982.3  |
| 132.5° | 2258.1 | 2393.9 | 2258.1 | 2122.2 | 2088.3 | 1861.5 | 1559.0 | 1407.8 | 1319.7 | 1143.5 | 1011.3 |
| 135°   | 2112.8 | 2229.9 | 2112.8 | 1995.7 | 1966.5 | 1776.5 | 1523.2 | 1396.6 | 1318.5 | 1162.2 | 1045.1 |
| 137.5° | 1996.2 | 2092.1 | 1996.2 | 1900.5 | 1876.5 | 1715.9 | 1501.8 | 1394.7 | 1326.6 | 1190.4 | 1088.2 |
| 140°   | 1916.3 | 2005.8 | 1916.3 | 1826.7 | 1804.3 | 1665.6 | 1480.7 | 1388.2 | 1328.0 | 1207.6 | 1117.2 |
| 142.5° | 1850.0 | 1927.1 | 1850.0 | 1772.9 | 1753.7 | 1631.8 | 1469.3 | 1388.2 | 1332.8 | 1221.9 | 1138.8 |
| 145°   | 1750.7 | 1809.0 | 1750.7 | 1692.4 | 1677.8 | 1578.1 | 1445.2 | 1378.7 | 1332.8 | 1240.7 | 1171.6 |
| 147.5° | 1674.5 | 1722.8 | 1674.5 | 1626.1 | 1614.1 | 1535.6 | 1431.1 | 1378.7 | 1341.9 | 1268.2 | 1212.9 |
| 150°   | 1626.5 | 1665.6 | 1626.5 | 1587.3 | 1577.5 | 1511.3 | 1422.9 | 1378.7 | 1346.7 | 1282.5 | 1234.5 |
| 152.5° | 1585.4 | 1615.0 | 1585.4 | 1555.9 | 1548.5 | 1491.9 | 1416.5 | 1378.7 | 1349.8 | 1291.9 | 1248.5 |
| 155°   | 1538.2 | 1557.8 | 1538.2 | 1518.7 | 1513.8 | 1468.8 | 1408.8 | 1378.7 | 1356.7 | 1312.6 | 1279.4 |
| 157.5° | 1500.9 | 1514.7 | 1500.9 | 1487.2 | 1483.7 | 1448.7 | 1402.1 | 1378.7 | 1363.5 | 1333.1 | 1310.3 |
| 160°   | 1478.6 | 1486.5 | 1478.6 | 1470.7 | 1468.7 | 1438.8 | 1398.7 | 1378.7 | 1366.7 | 1342.5 | 1324.4 |
| 162.5° | 1464.1 | 1471.6 | 1464.1 | 1456.6 | 1454.7 | 1429.3 | 1395.6 | 1378.7 | 1370.0 | 1352.5 | 1339.4 |
| 165°   | 1443.0 | 1451.0 | 1443.0 | 1435.1 | 1433.1 | 1415.0 | 1390.9 | 1378.7 | 1374.8 | 1366.9 | 1361.0 |
| 167.5° | 1427.9 | 1431.2 | 1427.9 | 1424.5 | 1423.7 | 1411.9 | 1396.0 | 1388.2 | 1384.8 | 1378.1 | 1373.1 |
| 170°   | 1423.7 | 1423.7 | 1423.7 | 1423.7 | 1423.7 | 1411.9 | 1396.0 | 1388.2 | 1388.0 | 1387.5 | 1387.2 |
| 172.5° | 1412.6 | 1409.7 | 1412.6 | 1415.6 | 1416.3 | 1406.9 | 1394.4 | 1388.2 | 1388.2 | 1388.2 | 1388.2 |
| 175°   | 1406.0 | 1406.0 | 1406.0 | 1406.0 | 1406.0 | 1400.0 | 1392.1 | 1388.2 | 1390.1 | 1393.8 | 1396.6 |
| 177.5° | 1399.9 | 1396.6 | 1399.9 | 1403.3 | 1404.1 | 1399.4 | 1393.1 | 1390.1 | 1391.5 | 1394.4 | 1396.6 |
| 180°   | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 |

TEST NUMBER: P935767

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 |
| 2.5°   | 3283.8 | 3265.5 | 3265.5 | 3234.9 | 3222.6 | 3213.4 | 3198.1 | 3152.1 | 3139.9 | 3127.6 | 3146.1 |
| 5°     | 3311.4 | 3277.8 | 3253.2 | 3198.1 | 3152.1 | 3133.8 | 3075.6 | 2965.3 | 2891.8 | 2836.6 | 2806.0 |
| 7.5°   | 3317.6 | 3274.7 | 3228.7 | 3143.0 | 3032.7 | 2983.7 | 2806.0 | 2603.8 | 2548.7 | 2499.7 | 2469.0 |
| 10°    | 3311.4 | 3262.5 | 3198.1 | 3069.4 | 2809.1 | 2723.3 | 2545.6 | 2413.9 | 2380.2 | 2371.0 | 2380.2 |
| 12.5°  | 3290.0 | 3244.0 | 3155.2 | 2940.8 | 2576.3 | 2518.1 | 2413.9 | 2337.3 | 2331.2 | 2346.5 | 2429.2 |
| 15°    | 3253.2 | 3210.3 | 3106.2 | 2769.2 | 2447.6 | 2404.7 | 2331.2 | 2303.6 | 2337.3 | 2444.6 | 2692.7 |
| 17.5°  | 3216.5 | 3167.4 | 3038.8 | 2600.8 | 2349.5 | 2318.9 | 2266.9 | 2322.0 | 2511.9 | 2655.9 | 2738.6 |
| 20°    | 3167.4 | 3109.2 | 2962.2 | 2478.2 | 2279.1 | 2251.5 | 2227.1 | 2475.2 | 2619.2 | 2671.2 | 2717.2 |
| 22.5°  | 3109.2 | 3048.0 | 2858.0 | 2392.4 | 2205.6 | 2184.2 | 2199.5 | 2561.0 | 2619.2 | 2655.9 | 2695.8 |
| 25°    | 3032.7 | 2980.6 | 2735.6 | 2325.1 | 2147.4 | 2122.9 | 2181.1 | 2551.7 | 2585.4 | 2594.6 | 2674.3 |
| 27.5°  | 2962.2 | 2894.8 | 2606.9 | 2263.8 | 2076.9 | 2067.7 | 2196.4 | 2511.9 | 2536.4 | 2545.6 | 2631.4 |
| 30°    | 2876.4 | 2775.4 | 2462.9 | 2199.5 | 2003.4 | 2000.3 | 2199.5 | 2462.9 | 2456.8 | 2481.3 | 2567.0 |
| 32.5°  | 2787.6 | 2597.7 | 2300.6 | 2119.8 | 1933.0 | 1929.9 | 2178.0 | 2389.4 | 2383.3 | 2417.0 | 2481.3 |
| 35°    | 2704.9 | 2459.9 | 2080.0 | 2027.9 | 1844.1 | 1847.2 | 2126.0 | 2303.6 | 2306.7 | 2337.3 | 2377.1 |
| 37.5°  | 2619.2 | 2340.4 | 1838.0 | 1926.8 | 1758.4 | 1758.4 | 2055.4 | 2224.0 | 2217.8 | 2227.1 | 2282.2 |
| 40°    | 2518.1 | 2153.5 | 1623.6 | 1795.1 | 1678.7 | 1669.5 | 1969.7 | 2138.2 | 2116.7 | 2113.7 | 2190.3 |
| 42.5°  | 2410.8 | 1948.3 | 1464.3 | 1620.5 | 1586.8 | 1574.5 | 1865.5 | 2034.1 | 1994.3 | 2003.4 | 2101.4 |
| 45°    | 2294.4 | 1893.1 | 1341.7 | 1369.3 | 1491.8 | 1482.7 | 1752.2 | 1914.6 | 1887.0 | 1911.5 | 2012.6 |
| 47.5°  | 2178.0 | 1782.8 | 1301.9 | 1136.5 | 1390.8 | 1387.7 | 1626.7 | 1798.2 | 1782.8 | 1807.3 | 1914.6 |
| 50°    | 2018.7 | 1660.3 | 1298.8 | 974.1  | 1277.4 | 1289.7 | 1476.5 | 1684.9 | 1684.9 | 1706.2 | 1819.6 |
| 52.5°  | 1813.5 | 1510.2 | 1179.3 | 882.3  | 1145.7 | 1182.4 | 1344.8 | 1586.8 | 1592.9 | 1614.4 | 1715.5 |
| 55°    | 1626.7 | 1354.0 | 1093.6 | 811.7  | 989.4  | 1069.1 | 1216.2 | 1485.7 | 1498.0 | 1519.4 | 1611.3 |
| 57.5°  | 1455.0 | 1127.3 | 1075.2 | 729.1  | 845.5  | 922.1  | 1102.8 | 1387.7 | 1393.8 | 1412.2 | 1501.0 |
| 60°    | 1271.3 | 814.8  | 986.4  | 640.2  | 719.9  | 778.1  | 998.7  | 1271.3 | 1292.8 | 1305.0 | 1381.5 |
| 62.5°  | 1062.9 | 591.3  | 894.5  | 578.9  | 658.6  | 670.9  | 912.9  | 1161.0 | 1188.6 | 1197.8 | 1243.7 |
| 65°    | 756.6  | 496.3  | 759.7  | 526.9  | 594.2  | 597.3  | 821.0  | 1047.6 | 1072.2 | 1087.5 | 1121.1 |
| 67.5°  | 511.6  | 404.3  | 578.9  | 477.8  | 545.3  | 548.3  | 732.1  | 915.9  | 949.6  | 961.9  | 983.4  |
| 70°    | 355.4  | 269.6  | 428.9  | 425.8  | 490.1  | 496.3  | 637.1  | 796.5  | 827.1  | 836.3  | 848.5  |
| 72.5°  | 260.4  | 217.5  | 355.4  | 382.9  | 431.9  | 438.1  | 539.1  | 661.7  | 692.3  | 701.5  | 707.7  |
| 75°    | 199.1  | 229.7  | 287.9  | 333.9  | 367.6  | 370.7  | 441.1  | 539.1  | 560.6  | 566.7  | 569.8  |
| 77.5°  | 159.3  | 214.4  | 211.4  | 269.6  | 300.2  | 294.1  | 346.1  | 416.6  | 435.0  | 435.0  | 435.0  |
| 80°    | 119.5  | 168.5  | 159.3  | 193.0  | 220.6  | 214.4  | 248.1  | 297.2  | 303.2  | 309.4  | 306.3  |
| 82.5°  | 88.8   | 107.2  | 107.2  | 122.6  | 147.0  | 140.9  | 165.5  | 193.0  | 193.0  | 193.0  | 199.1  |
| 85°    | 55.1   | 61.3   | 49.0   | 64.4   | 82.7   | 79.7   | 91.9   | 104.2  | 107.2  | 107.2  | 101.1  |
| 87.5°  | 33.7   | 27.6   | 15.3   | 24.5   | 36.7   | 36.7   | 42.9   | 46.0   | 42.9   | 42.9   | 42.9   |
| 90°    | 24.3   | 16.9   | 9.4    | 16.9   | 24.3   | 26.2   | 41.3   | 61.3   | 71.2   | 63.3   | 47.4   |
| 92.5°  | 165.0  | 101.2  | 37.5   | 101.2  | 165.0  | 180.9  | 254.4  | 352.2  | 401.2  | 351.6  | 252.4  |
| 95°    | 323.3  | 206.6  | 90.0   | 206.6  | 323.3  | 352.5  | 625.8  | 990.3  | 1172.5 | 1046.4 | 793.9  |
| 97.5°  | 361.4  | 258.5  | 155.6  | 258.5  | 361.4  | 387.1  | 843.0  | 1450.8 | 1754.7 | 1674.9 | 1515.3 |
| 100°   | 392.8  | 299.5  | 206.2  | 299.5  | 392.8  | 416.2  | 922.0  | 1596.4 | 1933.7 | 1939.5 | 1951.2 |
| 102.5° | 423.4  | 336.4  | 249.3  | 336.4  | 423.4  | 445.2  | 958.3  | 1642.3 | 1984.3 | 2085.9 | 2289.2 |
| 105°   | 469.9  | 396.2  | 322.4  | 396.2  | 469.9  | 488.3  | 985.1  | 1647.5 | 1978.7 | 2206.5 | 2662.3 |
| 107.5° | 534.9  | 466.2  | 397.5  | 466.2  | 534.9  | 552.1  | 990.1  | 1574.2 | 1866.2 | 2184.1 | 2819.8 |
| 110°   | 572.2  | 510.1  | 448.1  | 510.1  | 572.2  | 587.7  | 982.6  | 1509.2 | 1772.5 | 2127.9 | 2838.5 |

TEST NUMBER: P935767

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**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 616.1  | 556.9  | 497.7  | 556.9  | 616.1  | 630.8  | 982.9  | 1452.4 | 1687.1 | 2050.8 | 2778.1 |
| 115°   | 681.8  | 627.3  | 572.7  | 627.3  | 681.8  | 695.4  | 992.0  | 1387.3 | 1585.0 | 1935.3 | 2636.0 |
| 117.5° | 745.9  | 696.3  | 646.7  | 696.3  | 745.9  | 758.3  | 1010.4 | 1346.6 | 1514.7 | 1830.9 | 2463.2 |
| 120°   | 783.1  | 736.5  | 689.8  | 736.5  | 783.1  | 794.8  | 1025.4 | 1332.8 | 1486.5 | 1775.5 | 2353.2 |
| 122.5° | 826.1  | 779.1  | 732.0  | 779.1  | 826.1  | 837.9  | 1046.9 | 1325.6 | 1465.0 | 1725.1 | 2245.5 |
| 125°   | 882.5  | 839.6  | 796.7  | 839.6  | 882.5  | 893.2  | 1076.0 | 1319.7 | 1441.6 | 1662.6 | 2104.6 |
| 127.5° | 935.8  | 892.6  | 849.2  | 892.6  | 935.8  | 946.7  | 1105.1 | 1316.3 | 1421.9 | 1611.6 | 1991.2 |
| 130°   | 970.6  | 924.0  | 877.3  | 924.0  | 970.6  | 982.3  | 1126.3 | 1318.4 | 1414.4 | 1583.3 | 1921.2 |
| 132.5° | 999.7  | 953.0  | 906.3  | 953.0  | 999.7  | 1011.3 | 1143.5 | 1319.7 | 1407.8 | 1559.0 | 1861.5 |
| 135°   | 1034.5 | 992.0  | 949.5  | 992.0  | 1034.5 | 1045.1 | 1162.2 | 1318.5 | 1396.6 | 1523.2 | 1776.5 |
| 137.5° | 1077.7 | 1035.6 | 993.5  | 1035.6 | 1077.7 | 1088.2 | 1190.4 | 1326.6 | 1394.7 | 1501.8 | 1715.9 |
| 140°   | 1107.6 | 1068.8 | 1030.1 | 1068.8 | 1107.6 | 1117.2 | 1207.6 | 1328.0 | 1388.2 | 1480.7 | 1665.6 |
| 142.5° | 1129.8 | 1094.1 | 1058.2 | 1094.1 | 1129.8 | 1138.8 | 1221.9 | 1332.8 | 1388.2 | 1469.3 | 1631.8 |
| 145°   | 1163.9 | 1132.5 | 1101.3 | 1132.5 | 1163.9 | 1171.6 | 1240.7 | 1332.8 | 1378.7 | 1445.2 | 1578.1 |
| 147.5° | 1205.3 | 1174.9 | 1144.5 | 1174.9 | 1205.3 | 1212.9 | 1268.2 | 1341.9 | 1378.7 | 1431.1 | 1535.6 |
| 150°   | 1227.6 | 1200.1 | 1172.5 | 1200.1 | 1227.6 | 1234.5 | 1282.5 | 1346.7 | 1378.7 | 1422.9 | 1511.3 |
| 152.5° | 1243.2 | 1222.4 | 1201.6 | 1222.4 | 1243.2 | 1248.5 | 1291.9 | 1349.8 | 1378.7 | 1416.5 | 1491.9 |
| 155°   | 1275.6 | 1260.2 | 1244.8 | 1260.2 | 1275.6 | 1279.4 | 1312.6 | 1356.7 | 1378.7 | 1408.8 | 1468.8 |
| 157.5° | 1306.6 | 1291.6 | 1276.6 | 1291.6 | 1306.6 | 1310.3 | 1333.1 | 1363.5 | 1378.7 | 1402.1 | 1448.7 |
| 160°   | 1321.5 | 1309.9 | 1298.2 | 1309.9 | 1321.5 | 1324.4 | 1342.5 | 1366.7 | 1378.7 | 1398.7 | 1438.8 |
| 162.5° | 1337.2 | 1328.4 | 1319.7 | 1328.4 | 1337.2 | 1339.4 | 1352.5 | 1370.0 | 1378.7 | 1395.6 | 1429.3 |
| 165°   | 1359.0 | 1351.1 | 1343.2 | 1351.1 | 1359.0 | 1361.0 | 1366.9 | 1374.8 | 1378.7 | 1390.9 | 1415.0 |
| 167.5° | 1372.2 | 1368.4 | 1364.7 | 1368.4 | 1372.2 | 1373.1 | 1378.1 | 1384.8 | 1388.2 | 1396.0 | 1411.9 |
| 170°   | 1386.3 | 1382.5 | 1378.7 | 1382.5 | 1386.3 | 1387.2 | 1387.5 | 1388.0 | 1388.2 | 1396.0 | 1411.9 |
| 172.5° | 1388.0 | 1387.1 | 1386.3 | 1387.1 | 1388.0 | 1388.2 | 1388.2 | 1388.2 | 1388.2 | 1394.4 | 1406.9 |
| 175°   | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1393.8 | 1390.1 | 1388.2 | 1392.1 | 1400.0 |
| 177.5° | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1394.4 | 1391.5 | 1390.1 | 1393.1 | 1399.4 |
| 180°   | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 |

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**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 |
| 2.5°   | 3124.6 | 3115.4 | 3127.6 | 3093.9 | 3127.6 | 3115.4 | 3124.6 | 3146.1 | 3127.6 | 3139.9 | 3152.1 |
| 5°     | 2741.6 | 2726.3 | 2677.4 | 2637.5 | 2677.4 | 2726.3 | 2741.6 | 2806.0 | 2836.6 | 2891.8 | 2965.3 |
| 7.5°   | 2450.6 | 2438.4 | 2426.1 | 2401.7 | 2426.1 | 2438.4 | 2450.6 | 2469.0 | 2499.7 | 2548.7 | 2603.8 |
| 10°    | 2386.4 | 2389.4 | 2407.7 | 2404.7 | 2407.7 | 2389.4 | 2386.4 | 2380.2 | 2371.0 | 2380.2 | 2413.9 |
| 12.5°  | 2551.7 | 2579.3 | 2680.4 | 2674.3 | 2680.4 | 2579.3 | 2551.7 | 2429.2 | 2346.5 | 2331.2 | 2337.3 |
| 15°    | 2741.6 | 2750.9 | 2772.3 | 2775.4 | 2772.3 | 2750.9 | 2741.6 | 2692.7 | 2444.6 | 2337.3 | 2303.6 |
| 17.5°  | 2760.0 | 2763.1 | 2778.4 | 2778.4 | 2778.4 | 2763.1 | 2760.0 | 2738.6 | 2655.9 | 2511.9 | 2322.0 |
| 20°    | 2744.7 | 2750.9 | 2781.5 | 2787.6 | 2781.5 | 2750.9 | 2744.7 | 2717.2 | 2671.2 | 2619.2 | 2475.2 |
| 22.5°  | 2738.6 | 2750.9 | 2775.4 | 2772.3 | 2775.4 | 2750.9 | 2738.6 | 2695.8 | 2655.9 | 2619.2 | 2561.0 |
| 25°    | 2708.0 | 2708.0 | 2711.0 | 2714.1 | 2711.0 | 2708.0 | 2708.0 | 2674.3 | 2594.6 | 2585.4 | 2551.7 |
| 27.5°  | 2643.6 | 2649.8 | 2668.1 | 2665.1 | 2668.1 | 2649.8 | 2643.6 | 2631.4 | 2545.6 | 2536.4 | 2511.9 |
| 30°    | 2585.4 | 2579.3 | 2564.0 | 2551.7 | 2564.0 | 2579.3 | 2585.4 | 2567.0 | 2481.3 | 2456.8 | 2462.9 |
| 32.5°  | 2487.4 | 2472.1 | 2456.8 | 2447.6 | 2456.8 | 2472.1 | 2487.4 | 2481.3 | 2417.0 | 2383.3 | 2389.4 |
| 35°    | 2371.0 | 2374.1 | 2371.0 | 2361.8 | 2371.0 | 2374.1 | 2371.0 | 2377.1 | 2337.3 | 2306.7 | 2303.6 |
| 37.5°  | 2288.3 | 2294.4 | 2291.3 | 2279.1 | 2291.3 | 2294.4 | 2288.3 | 2282.2 | 2227.1 | 2217.8 | 2224.0 |
| 40°    | 2202.5 | 2205.6 | 2202.5 | 2193.3 | 2202.5 | 2205.6 | 2202.5 | 2190.3 | 2113.7 | 2116.7 | 2138.2 |
| 42.5°  | 2119.8 | 2116.7 | 2107.6 | 2101.4 | 2107.6 | 2116.7 | 2119.8 | 2101.4 | 2003.4 | 1994.3 | 2034.1 |
| 45°    | 2024.8 | 2027.9 | 2009.5 | 2000.3 | 2009.5 | 2027.9 | 2024.8 | 2012.6 | 1911.5 | 1887.0 | 1914.6 |
| 47.5°  | 1929.9 | 1929.9 | 1914.6 | 1905.4 | 1914.6 | 1929.9 | 1929.9 | 1914.6 | 1807.3 | 1782.8 | 1798.2 |
| 50°    | 1828.8 | 1825.7 | 1804.3 | 1801.3 | 1804.3 | 1825.7 | 1828.8 | 1819.6 | 1706.2 | 1684.9 | 1684.9 |
| 52.5°  | 1712.4 | 1712.4 | 1715.5 | 1721.6 | 1715.5 | 1712.4 | 1712.4 | 1715.5 | 1614.4 | 1592.9 | 1586.8 |
| 55°    | 1611.3 | 1614.4 | 1635.8 | 1642.0 | 1635.8 | 1614.4 | 1611.3 | 1611.3 | 1519.4 | 1498.0 | 1485.7 |
| 57.5°  | 1507.2 | 1507.2 | 1522.5 | 1522.5 | 1522.5 | 1507.2 | 1507.2 | 1501.0 | 1412.2 | 1393.8 | 1387.7 |
| 60°    | 1387.7 | 1393.8 | 1406.1 | 1403.0 | 1406.1 | 1393.8 | 1387.7 | 1381.5 | 1305.0 | 1292.8 | 1271.3 |
| 62.5°  | 1262.1 | 1268.2 | 1271.3 | 1265.1 | 1271.3 | 1268.2 | 1262.1 | 1243.7 | 1197.8 | 1188.6 | 1161.0 |
| 65°    | 1130.4 | 1136.5 | 1139.6 | 1133.4 | 1139.6 | 1136.5 | 1130.4 | 1121.1 | 1087.5 | 1072.2 | 1047.6 |
| 67.5°  | 995.6  | 992.5  | 989.4  | 1001.7 | 989.4  | 992.5  | 995.6  | 983.4  | 961.9  | 949.6  | 915.9  |
| 70°    | 857.7  | 857.7  | 854.7  | 860.8  | 854.7  | 857.7  | 857.7  | 848.5  | 836.3  | 827.1  | 796.5  |
| 72.5°  | 710.7  | 707.7  | 719.9  | 710.7  | 719.9  | 707.7  | 710.7  | 707.7  | 701.5  | 692.3  | 661.7  |
| 75°    | 566.7  | 572.9  | 566.7  | 575.9  | 566.7  | 572.9  | 566.7  | 569.8  | 566.7  | 560.6  | 539.1  |
| 77.5°  | 431.9  | 438.1  | 431.9  | 431.9  | 431.9  | 438.1  | 431.9  | 435.0  | 435.0  | 435.0  | 416.6  |
| 80°    | 306.3  | 303.2  | 303.2  | 300.2  | 303.2  | 303.2  | 306.3  | 306.3  | 309.4  | 303.2  | 297.2  |
| 82.5°  | 196.1  | 193.0  | 193.0  | 199.1  | 193.0  | 193.0  | 196.1  | 199.1  | 193.0  | 193.0  | 193.0  |
| 85°    | 107.2  | 110.2  | 104.2  | 104.2  | 104.2  | 110.2  | 107.2  | 101.1  | 107.2  | 107.2  | 104.2  |
| 87.5°  | 39.8   | 36.7   | 36.7   | 36.7   | 36.7   | 36.7   | 39.8   | 42.9   | 42.9   | 42.9   | 46.0   |
| 90°    | 35.6   | 35.6   | 35.6   | 35.6   | 35.6   | 35.6   | 35.6   | 47.4   | 63.3   | 71.2   | 61.3   |
| 92.5°  | 178.0  | 171.0  | 142.7  | 114.3  | 142.7  | 171.0  | 178.0  | 252.4  | 351.6  | 401.2  | 352.2  |
| 95°    | 604.6  | 583.1  | 497.3  | 411.5  | 497.3  | 583.1  | 604.6  | 793.9  | 1046.4 | 1172.5 | 990.3  |
| 97.5°  | 1395.7 | 1354.8 | 1191.6 | 1028.3 | 1191.6 | 1354.8 | 1395.7 | 1515.3 | 1674.9 | 1754.7 | 1450.8 |
| 100°   | 1959.9 | 1911.3 | 1716.7 | 1522.2 | 1716.7 | 1911.3 | 1959.9 | 1951.2 | 1939.5 | 1933.7 | 1596.4 |
| 102.5° | 2441.7 | 2400.0 | 2233.4 | 2066.8 | 2233.4 | 2400.0 | 2441.7 | 2289.2 | 2085.9 | 1984.3 | 1642.3 |
| 105°   | 3004.0 | 2981.7 | 2892.1 | 2802.6 | 2892.1 | 2981.7 | 3004.0 | 2662.3 | 2206.5 | 1978.7 | 1647.5 |
| 107.5° | 3296.5 | 3301.9 | 3323.6 | 3345.2 | 3323.6 | 3301.9 | 3296.5 | 2819.8 | 2184.1 | 1866.2 | 1574.2 |
| 110°   | 3371.5 | 3394.8 | 3488.1 | 3581.5 | 3488.1 | 3394.8 | 3371.5 | 2838.5 | 2127.9 | 1772.5 | 1509.2 |

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CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 3323.7 | 3359.5 | 3502.8 | 3646.1 | 3502.8 | 3359.5 | 3323.7 | 2778.1 | 2050.8 | 1687.1 | 1452.4 |
| 115°   | 3161.5 | 3211.2 | 3409.9 | 3608.6 | 3409.9 | 3211.2 | 3161.5 | 2636.0 | 1935.3 | 1585.0 | 1387.3 |
| 117.5° | 2937.5 | 2992.6 | 3213.0 | 3433.4 | 3213.0 | 2992.6 | 2937.5 | 2463.2 | 1830.9 | 1514.7 | 1346.6 |
| 120°   | 2786.6 | 2840.1 | 3054.3 | 3268.4 | 3054.3 | 2840.1 | 2786.6 | 2353.2 | 1775.5 | 1486.5 | 1332.8 |
| 122.5° | 2635.7 | 2688.5 | 2899.8 | 3110.9 | 2899.8 | 2688.5 | 2635.7 | 2245.5 | 1725.1 | 1465.0 | 1325.6 |
| 125°   | 2436.1 | 2484.7 | 2679.3 | 2873.8 | 2679.3 | 2484.7 | 2436.1 | 2104.6 | 1662.6 | 1441.6 | 1319.7 |
| 127.5° | 2275.8 | 2316.8 | 2481.0 | 2645.1 | 2481.0 | 2316.8 | 2275.8 | 1991.2 | 1611.6 | 1421.9 | 1316.3 |
| 130°   | 2174.6 | 2212.5 | 2364.1 | 2515.7 | 2364.1 | 2212.5 | 2174.6 | 1921.2 | 1583.3 | 1414.4 | 1318.4 |
| 132.5° | 2088.3 | 2122.2 | 2258.1 | 2393.9 | 2258.1 | 2122.2 | 2088.3 | 1861.5 | 1559.0 | 1407.8 | 1319.7 |
| 135°   | 1966.5 | 1995.7 | 2112.8 | 2229.9 | 2112.8 | 1995.7 | 1966.5 | 1776.5 | 1523.2 | 1396.6 | 1318.5 |
| 137.5° | 1876.5 | 1900.5 | 1996.2 | 2092.1 | 1996.2 | 1900.5 | 1876.5 | 1715.9 | 1501.8 | 1394.7 | 1326.6 |
| 140°   | 1804.3 | 1826.7 | 1916.3 | 2005.8 | 1916.3 | 1826.7 | 1804.3 | 1665.6 | 1480.7 | 1388.2 | 1328.0 |
| 142.5° | 1753.7 | 1772.9 | 1850.0 | 1927.1 | 1850.0 | 1772.9 | 1753.7 | 1631.8 | 1469.3 | 1388.2 | 1332.8 |
| 145°   | 1677.8 | 1692.4 | 1750.7 | 1809.0 | 1750.7 | 1692.4 | 1677.8 | 1578.1 | 1445.2 | 1378.7 | 1332.8 |
| 147.5° | 1614.1 | 1626.1 | 1674.5 | 1722.8 | 1674.5 | 1626.1 | 1614.1 | 1535.6 | 1431.1 | 1378.7 | 1341.9 |
| 150°   | 1577.5 | 1587.3 | 1626.5 | 1665.6 | 1626.5 | 1587.3 | 1577.5 | 1511.3 | 1422.9 | 1378.7 | 1346.7 |
| 152.5° | 1548.5 | 1555.9 | 1585.4 | 1615.0 | 1585.4 | 1555.9 | 1548.5 | 1491.9 | 1416.5 | 1378.7 | 1349.8 |
| 155°   | 1513.8 | 1518.7 | 1538.2 | 1557.8 | 1538.2 | 1518.7 | 1513.8 | 1468.8 | 1408.8 | 1378.7 | 1356.7 |
| 157.5° | 1483.7 | 1487.2 | 1500.9 | 1514.7 | 1500.9 | 1487.2 | 1483.7 | 1448.7 | 1402.1 | 1378.7 | 1363.5 |
| 160°   | 1468.7 | 1470.7 | 1478.6 | 1486.5 | 1478.6 | 1470.7 | 1468.7 | 1438.8 | 1398.7 | 1378.7 | 1366.7 |
| 162.5° | 1454.7 | 1456.6 | 1464.1 | 1471.6 | 1464.1 | 1456.6 | 1454.7 | 1429.3 | 1395.6 | 1378.7 | 1370.0 |
| 165°   | 1433.1 | 1435.1 | 1443.0 | 1451.0 | 1443.0 | 1435.1 | 1433.1 | 1415.0 | 1390.9 | 1378.7 | 1374.8 |
| 167.5° | 1423.7 | 1424.5 | 1427.9 | 1431.2 | 1427.9 | 1424.5 | 1423.7 | 1411.9 | 1396.0 | 1388.2 | 1384.8 |
| 170°   | 1423.7 | 1423.7 | 1423.7 | 1423.7 | 1423.7 | 1423.7 | 1423.7 | 1411.9 | 1396.0 | 1388.2 | 1388.0 |
| 172.5° | 1416.3 | 1415.6 | 1412.6 | 1409.7 | 1412.6 | 1415.6 | 1416.3 | 1406.9 | 1394.4 | 1388.2 | 1388.2 |
| 175°   | 1406.0 | 1406.0 | 1406.0 | 1406.0 | 1406.0 | 1406.0 | 1406.0 | 1400.0 | 1392.1 | 1388.2 | 1390.1 |
| 177.5° | 1404.1 | 1403.3 | 1399.9 | 1396.6 | 1399.9 | 1403.3 | 1404.1 | 1399.4 | 1393.1 | 1390.1 | 1391.5 |
| 180°   | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 |

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CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 0°     | 3237.9 | 3237.9 | 3237.9 | 3237.9 | 3237.9 |
| 2.5°   | 3198.1 | 3213.4 | 3222.6 | 3234.9 | 3265.5 |
| 5°     | 3075.6 | 3133.8 | 3152.1 | 3198.1 | 3253.2 |
| 7.5°   | 2806.0 | 2983.7 | 3032.7 | 3143.0 | 3228.7 |
| 10°    | 2545.6 | 2723.3 | 2809.1 | 3069.4 | 3198.1 |
| 12.5°  | 2413.9 | 2518.1 | 2576.3 | 2940.8 | 3155.2 |
| 15°    | 2331.2 | 2404.7 | 2447.6 | 2769.2 | 3106.2 |
| 17.5°  | 2266.9 | 2318.9 | 2349.5 | 2600.8 | 3038.8 |
| 20°    | 2227.1 | 2251.5 | 2279.1 | 2478.2 | 2962.2 |
| 22.5°  | 2199.5 | 2184.2 | 2205.6 | 2392.4 | 2858.0 |
| 25°    | 2181.1 | 2122.9 | 2147.4 | 2325.1 | 2735.6 |
| 27.5°  | 2196.4 | 2067.7 | 2076.9 | 2263.8 | 2606.9 |
| 30°    | 2199.5 | 2000.3 | 2003.4 | 2199.5 | 2462.9 |
| 32.5°  | 2178.0 | 1929.9 | 1933.0 | 2119.8 | 2300.6 |
| 35°    | 2126.0 | 1847.2 | 1844.1 | 2027.9 | 2080.0 |
| 37.5°  | 2055.4 | 1758.4 | 1758.4 | 1926.8 | 1838.0 |
| 40°    | 1969.7 | 1669.5 | 1678.7 | 1795.1 | 1623.6 |
| 42.5°  | 1865.5 | 1574.5 | 1586.8 | 1620.5 | 1464.3 |
| 45°    | 1752.2 | 1482.7 | 1491.8 | 1369.3 | 1341.7 |
| 47.5°  | 1626.7 | 1387.7 | 1390.8 | 1136.5 | 1301.9 |
| 50°    | 1476.5 | 1289.7 | 1277.4 | 974.1  | 1298.8 |
| 52.5°  | 1344.8 | 1182.4 | 1145.7 | 882.3  | 1179.3 |
| 55°    | 1216.2 | 1069.1 | 989.4  | 811.7  | 1093.6 |
| 57.5°  | 1102.8 | 922.1  | 845.5  | 729.1  | 1075.2 |
| 60°    | 998.7  | 778.1  | 719.9  | 640.2  | 986.4  |
| 62.5°  | 912.9  | 670.9  | 658.6  | 578.9  | 894.5  |
| 65°    | 821.0  | 597.3  | 594.2  | 526.9  | 759.7  |
| 67.5°  | 732.1  | 548.3  | 545.3  | 477.8  | 578.9  |
| 70°    | 637.1  | 496.3  | 490.1  | 425.8  | 428.9  |
| 72.5°  | 539.1  | 438.1  | 431.9  | 382.9  | 355.4  |
| 75°    | 441.1  | 370.7  | 367.6  | 333.9  | 287.9  |
| 77.5°  | 346.1  | 294.1  | 300.2  | 269.6  | 211.4  |
| 80°    | 248.1  | 214.4  | 220.6  | 193.0  | 159.3  |
| 82.5°  | 165.5  | 140.9  | 147.0  | 122.6  | 107.2  |
| 85°    | 91.9   | 79.7   | 82.7   | 64.4   | 49.0   |
| 87.5°  | 42.9   | 36.7   | 36.7   | 24.5   | 15.3   |
| 90°    | 41.3   | 26.2   | 24.3   | 16.9   | 9.4    |
| 92.5°  | 254.4  | 180.9  | 165.0  | 101.2  | 37.5   |
| 95°    | 625.8  | 352.5  | 323.3  | 206.6  | 90.0   |
| 97.5°  | 843.0  | 387.1  | 361.4  | 258.5  | 155.6  |
| 100°   | 922.0  | 416.2  | 392.8  | 299.5  | 206.2  |
| 102.5° | 958.3  | 445.2  | 423.4  | 336.4  | 249.3  |
| 105°   | 985.1  | 488.3  | 469.9  | 396.2  | 322.4  |
| 107.5° | 990.1  | 552.1  | 534.9  | 466.2  | 397.5  |
| 110°   | 982.6  | 587.7  | 572.2  | 510.1  | 448.1  |

TEST NUMBER: P935767

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 982.9  | 630.8  | 616.1  | 556.9  | 497.7  |
| 115°   | 992.0  | 695.4  | 681.8  | 627.3  | 572.7  |
| 117.5° | 1010.4 | 758.3  | 745.9  | 696.3  | 646.7  |
| 120°   | 1025.4 | 794.8  | 783.1  | 736.5  | 689.8  |
| 122.5° | 1046.9 | 837.9  | 826.1  | 779.1  | 732.0  |
| 125°   | 1076.0 | 893.2  | 882.5  | 839.6  | 796.7  |
| 127.5° | 1105.1 | 946.7  | 935.8  | 892.6  | 849.2  |
| 130°   | 1126.3 | 982.3  | 970.6  | 924.0  | 877.3  |
| 132.5° | 1143.5 | 1011.3 | 999.7  | 953.0  | 906.3  |
| 135°   | 1162.2 | 1045.1 | 1034.5 | 992.0  | 949.5  |
| 137.5° | 1190.4 | 1088.2 | 1077.7 | 1035.6 | 993.5  |
| 140°   | 1207.6 | 1117.2 | 1107.6 | 1068.8 | 1030.1 |
| 142.5° | 1221.9 | 1138.8 | 1129.8 | 1094.1 | 1058.2 |
| 145°   | 1240.7 | 1171.6 | 1163.9 | 1132.5 | 1101.3 |
| 147.5° | 1268.2 | 1212.9 | 1205.3 | 1174.9 | 1144.5 |
| 150°   | 1282.5 | 1234.5 | 1227.6 | 1200.1 | 1172.5 |
| 152.5° | 1291.9 | 1248.5 | 1243.2 | 1222.4 | 1201.6 |
| 155°   | 1312.6 | 1279.4 | 1275.6 | 1260.2 | 1244.8 |
| 157.5° | 1333.1 | 1310.3 | 1306.6 | 1291.6 | 1276.6 |
| 160°   | 1342.5 | 1324.4 | 1321.5 | 1309.9 | 1298.2 |
| 162.5° | 1352.5 | 1339.4 | 1337.2 | 1328.4 | 1319.7 |
| 165°   | 1366.9 | 1361.0 | 1359.0 | 1351.1 | 1343.2 |
| 167.5° | 1378.1 | 1373.1 | 1372.2 | 1368.4 | 1364.7 |
| 170°   | 1387.5 | 1387.2 | 1386.3 | 1382.5 | 1378.7 |
| 172.5° | 1388.2 | 1388.2 | 1388.0 | 1387.1 | 1386.3 |
| 175°   | 1393.8 | 1396.6 | 1396.6 | 1396.6 | 1396.6 |
| 177.5° | 1394.4 | 1396.6 | 1396.6 | 1396.6 | 1396.6 |
| 180°   | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 |

TEST NUMBER: P935767

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-4000K

**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 | 14.05            | 14.89 | 15.02 | 15.88 | 17.18 | 16.88          | 17.73 | 17.86 | 18.72 | 20.01 |
|                 | 3H   | 14.52            | 15.28 | 15.51 | 16.27 | 17.59 | 18.23          | 18.99 | 19.21 | 19.98 | 21.30 |
|                 | 4H   | 14.71            | 15.43 | 15.71 | 16.43 | 17.76 | 18.68          | 19.39 | 19.67 | 20.39 | 21.72 |
|                 | 6H   | 14.83            | 15.49 | 15.84 | 16.49 | 17.83 | 18.96          | 19.62 | 19.97 | 20.63 | 21.97 |
|                 | 8H   | 14.83            | 15.46 | 15.84 | 16.48 | 17.82 | 19.04          | 19.66 | 20.05 | 20.69 | 22.02 |
|                 | 12H  | 14.80            | 15.40 | 15.82 | 16.41 | 17.77 | 19.08          | 19.67 | 20.09 | 20.69 | 22.05 |
| 4H              | 2H   | 15.08            | 15.79 | 16.08 | 16.79 | 18.12 | 17.29          | 18.01 | 18.29 | 19.01 | 20.33 |
|                 | 3H   | 16.10            | 16.70 | 17.12 | 17.73 | 19.07 | 18.80          | 19.39 | 19.81 | 20.42 | 21.76 |
|                 | 4H   | 16.38            | 16.93 | 17.40 | 17.95 | 19.31 | 19.33          | 19.87 | 20.35 | 20.89 | 22.26 |
|                 | 6H   | 16.50            | 16.97 | 17.53 | 18.02 | 19.38 | 19.69          | 20.16 | 20.72 | 21.21 | 22.57 |
|                 | 8H   | 16.51            | 16.95 | 17.54 | 17.98 | 19.36 | 19.80          | 20.24 | 20.83 | 21.28 | 22.65 |
|                 | 12H  | 16.47            | 16.87 | 17.53 | 17.92 | 19.30 | 19.86          | 20.25 | 20.91 | 21.31 | 22.69 |
| 8H              | 4H   | 16.83            | 17.27 | 17.87 | 18.31 | 19.68 | 19.45          | 19.89 | 20.48 | 20.92 | 22.30 |
|                 | 6H   | 17.09            | 17.46 | 18.15 | 18.53 | 19.91 | 19.89          | 20.25 | 20.94 | 21.33 | 22.70 |
|                 | 8H   | 17.14            | 17.45 | 18.20 | 18.52 | 19.91 | 20.04          | 20.36 | 21.10 | 21.42 | 22.81 |
|                 | 12H  | 17.12            | 17.40 | 18.19 | 18.46 | 19.89 | 20.14          | 20.42 | 21.21 | 21.48 | 22.91 |
| 12H             | 4H   | 16.84            | 17.23 | 17.89 | 18.29 | 19.67 | 19.41          | 19.81 | 20.46 | 20.86 | 22.24 |
|                 | 6H   | 17.15            | 17.47 | 18.22 | 18.54 | 19.93 | 19.88          | 20.20 | 20.95 | 21.27 | 22.66 |
|                 | 8H   | 17.22            | 17.50 | 18.29 | 18.56 | 19.99 | 20.05          | 20.33 | 21.11 | 21.38 | 22.82 |

END OF REPORT