

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: P934880

Luminaire Tested: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

**Test Information**

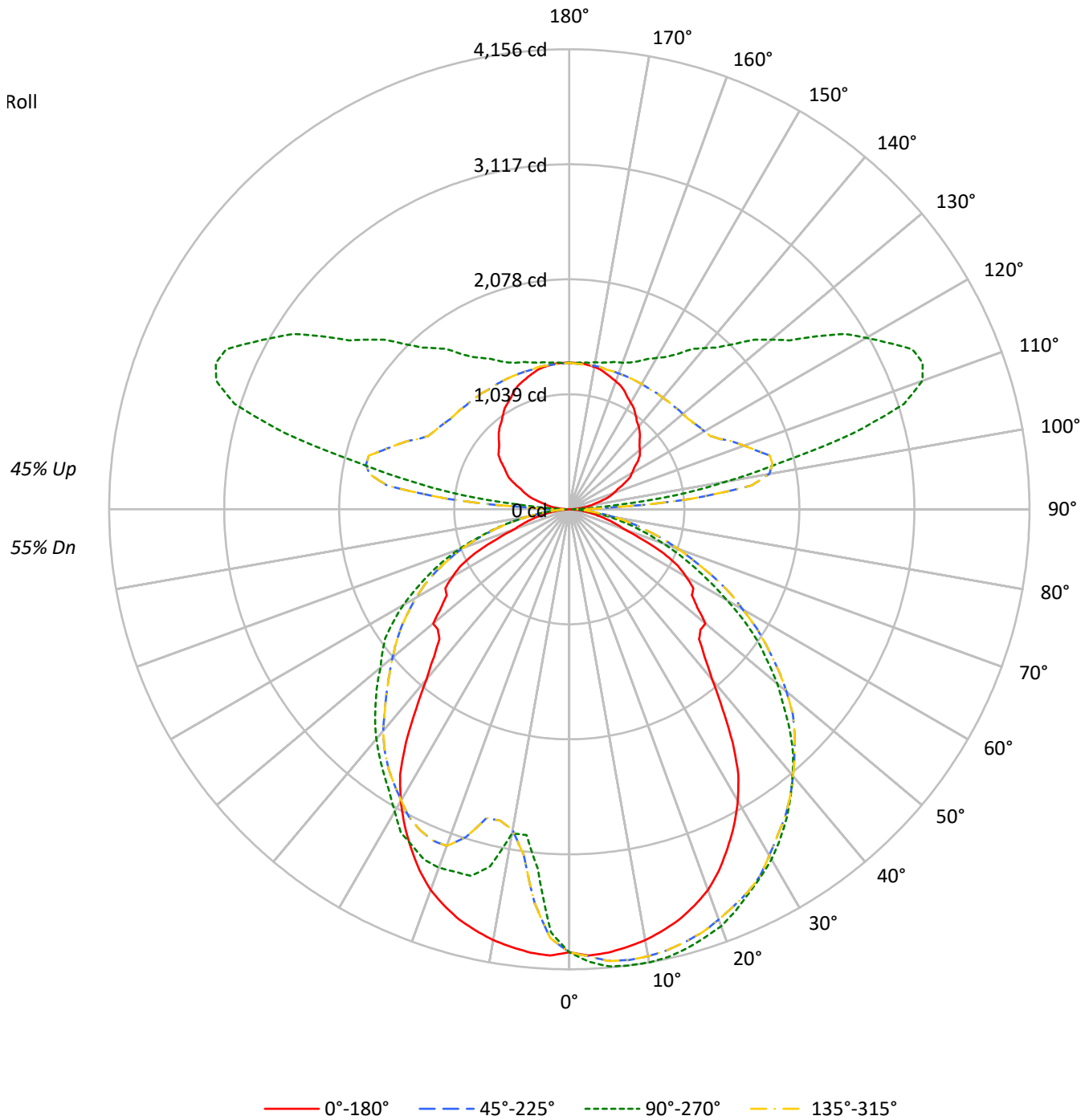
Test Method: LM-79-2019  
Report Number: P934880  
REPORT IS A COMBINATION OF REPORTS P933713 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18957.7 lumens  
Efficiency: N/A  
Efficacy: 123.4 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): 153.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P934880  
CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-4000K

### Luminous Intensity Polar Plot





TEST NUMBER: P934880

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

|     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    |
| RC  | 80  |     |     |     | 70  |     |     |     | 50 |    |    |    | 30 |    |    |    | 10 |    | 0  |    |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 86 | 86 | 86 | 73 | 73 | 73 | 60 | 60 | 60 | 55 |    |    |
| 1   | 99  | 95  | 91  | 87  | 92  | 88  | 85  | 82  | 76 | 73 | 71 | 64 | 62 | 61 | 54 | 52 | 51 | 46 |    |    |
| 2   | 90  | 83  | 76  | 71  | 83  | 77  | 72  | 67  | 66 | 62 | 59 | 56 | 53 | 51 | 47 | 45 | 43 | 39 |    |    |
| 3   | 82  | 73  | 65  | 59  | 76  | 68  | 61  | 56  | 58 | 53 | 49 | 50 | 46 | 43 | 42 | 39 | 37 | 33 |    |    |
| 4   | 75  | 64  | 56  | 50  | 69  | 60  | 53  | 47  | 52 | 46 | 42 | 44 | 40 | 37 | 37 | 34 | 32 | 28 |    |    |
| 5   | 69  | 57  | 49  | 43  | 64  | 54  | 46  | 41  | 46 | 41 | 36 | 40 | 35 | 32 | 34 | 30 | 28 | 24 |    |    |
| 6   | 64  | 51  | 43  | 37  | 59  | 48  | 41  | 35  | 42 | 36 | 32 | 36 | 31 | 28 | 30 | 27 | 24 | 21 |    |    |
| 7   | 59  | 46  | 38  | 33  | 54  | 43  | 36  | 31  | 38 | 32 | 28 | 33 | 28 | 25 | 28 | 24 | 21 | 19 |    |    |
| 8   | 55  | 42  | 34  | 29  | 51  | 39  | 32  | 27  | 35 | 29 | 25 | 30 | 25 | 22 | 25 | 22 | 19 | 17 |    |    |
| 9   | 51  | 38  | 31  | 26  | 47  | 36  | 29  | 25  | 32 | 26 | 22 | 27 | 23 | 20 | 24 | 20 | 17 | 15 |    |    |
| 10  | 47  | 35  | 28  | 23  | 44  | 33  | 26  | 22  | 29 | 24 | 20 | 25 | 21 | 18 | 22 | 18 | 16 | 14 |    |    |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 12376 | 12376 | 12376 | 12376 |
| 5°  | 12473 | 12493 | 12473 | 9823  |
| 10° | 12394 | 12306 | 12394 | 8798  |
| 15° | 12264 | 12039 | 12264 | 10053 |
| 20° | 12012 | 11724 | 12012 | 10074 |
| 25° | 11492 | 11263 | 11492 | 9860  |
| 30° | 10818 | 10880 | 10818 | 9392  |
| 35° | 9649  | 10396 | 9649  | 8877  |
| 40° | 8045  | 9827  | 8045  | 8488  |
| 45° | 7193  | 9160  | 7193  | 8040  |
| 50° | 7647  | 8365  | 7647  | 7591  |
| 55° | 7201  | 7509  | 7201  | 7331  |
| 60° | 7433  | 6377  | 7433  | 6715  |
| 65° | 6750  | 5272  | 6750  | 5893  |
| 70° | 4685  | 4201  | 4685  | 4940  |
| 75° | 4124  | 3106  | 4124  | 3719  |
| 80° | 3347  | 2053  | 3347  | 2235  |
| 85° | 1960  | 1087  | 1960  | 924   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 11016 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 361.2   | 1.9       |
| 10°-20°   | 1025.5  | 5.4       |
| 20°-30°   | 1585.2  | 8.4       |
| 30°-40°   | 1892.4  | 10.0      |
| 40°-50°   | 1903.5  | 10.0      |
| 50°-60°   | 1656.2  | 8.7       |
| 60°-70°   | 1174.3  | 6.2       |
| 70°-80°   | 621.3   | 3.3       |
| 80°-90°   | 159.8   | 0.8       |
| 90°-100°  | 645.1   | 3.4       |
| 100°-110° | 1695.9  | 8.9       |
| 110°-120° | 1758.4  | 9.3       |
| 120°-130° | 1410.5  | 7.4       |
| 130°-140° | 1106.7  | 5.8       |
| 140°-150° | 849.4   | 4.5       |
| 150°-160° | 611.7   | 3.2       |
| 160°-170° | 374.3   | 2.0       |
| 170°-180° | 126.5   | 0.7       |
| 0°-30°    | 2971.8  | 15.7      |
| 0°-40°    | 4864.2  | 25.7      |
| 0°-60°    | 8423.9  | 44.4      |
| 0°-90°    | 10379.2 | 54.7      |
| 90°-120°  | 4099.3  | 21.6      |
| 90°-150°  | 7466.0  | 39.4      |
| 90°-180°  | 8578.0  | 45.2      |
| 0°-180°   | 18957.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 4001 | 4001 | 4001 | 4001 | 4001 |      |
| 5°   | 4020 | 4145 | 4020 | 3259 | 4020 | 381  |
| 15°  | 3838 | 4107 | 3838 | 3430 | 3838 | 1080 |
| 25°  | 3380 | 3831 | 3380 | 3354 | 3380 | 1552 |
| 35°  | 2570 | 3418 | 2570 | 2918 | 2570 | 1590 |
| 45°  | 1658 | 2816 | 1658 | 2472 | 1658 | 1328 |
| 55°  | 1351 | 2078 | 1351 | 2029 | 1351 | 1242 |
| 65°  | 939  | 1253 | 939  | 1401 | 939  | 897  |
| 75°  | 356  | 594  | 356  | 712  | 356  | 374  |
| 85°  | 60   | 151  | 60   | 129  | 60   | 82   |
| 90°  | 9    | 34   | 9    | 34   | 9    | 10   |
| 95°  | 85   | 390  | 85   | 390  | 85   | 95   |
| 105° | 306  | 2656 | 306  | 2656 | 306  | 324  |
| 115° | 543  | 3419 | 543  | 3419 | 543  | 536  |
| 125° | 755  | 2723 | 755  | 2723 | 755  | 670  |
| 135° | 900  | 2113 | 900  | 2113 | 900  | 696  |
| 145° | 1044 | 1714 | 1044 | 1714 | 1044 | 654  |
| 155° | 1179 | 1476 | 1179 | 1476 | 1179 | 542  |
| 165° | 1273 | 1375 | 1273 | 1375 | 1273 | 359  |
| 175° | 1323 | 1332 | 1323 | 1332 | 1323 | 126  |
| 180° | 1323 | 1323 | 1323 | 1323 | 1323 |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 |
| 2.5°   | 4035.2 | 4035.2 | 4057.9 | 4065.4 | 4065.4 | 4054.1 | 4042.7 | 4054.1 | 4088.2 | 4099.5 | 4095.7 |
| 5°     | 4020.1 | 4050.3 | 4092.0 | 4099.5 | 4107.1 | 4103.3 | 4095.7 | 4103.3 | 4141.2 | 4148.7 | 4152.5 |
| 7.5°   | 3989.7 | 4046.5 | 4099.5 | 4110.9 | 4122.3 | 4110.9 | 4107.1 | 4114.7 | 4152.5 | 4160.1 | 4160.1 |
| 10°    | 3951.9 | 4031.4 | 4092.0 | 4099.5 | 4110.9 | 4099.5 | 4099.5 | 4114.7 | 4152.5 | 4160.1 | 4163.9 |
| 12.5°  | 3898.9 | 4008.7 | 4065.4 | 4073.1 | 4088.2 | 4084.3 | 4080.6 | 4095.7 | 4133.6 | 4141.2 | 4141.2 |
| 15°    | 3838.3 | 3967.1 | 4020.1 | 4027.6 | 4054.1 | 4046.5 | 4046.5 | 4061.7 | 4103.3 | 4114.7 | 4110.9 |
| 17.5°  | 3755.1 | 3914.1 | 3974.6 | 3986.0 | 4004.9 | 4001.1 | 4004.9 | 4020.1 | 4057.9 | 4065.4 | 4069.3 |
| 20°    | 3660.4 | 3842.2 | 3914.1 | 3925.4 | 3944.3 | 3944.3 | 3944.3 | 3963.2 | 4001.1 | 4016.3 | 4016.3 |
| 22.5°  | 3531.7 | 3766.4 | 3842.2 | 3849.7 | 3872.4 | 3872.4 | 3880.0 | 3906.4 | 3940.5 | 3944.3 | 3944.3 |
| 25°    | 3380.3 | 3683.1 | 3747.5 | 3770.2 | 3792.9 | 3804.2 | 3815.6 | 3830.8 | 3842.2 | 3838.3 | 3842.2 |
| 27.5°  | 3221.3 | 3577.1 | 3660.4 | 3675.6 | 3705.9 | 3717.2 | 3732.3 | 3736.2 | 3739.9 | 3751.2 | 3743.7 |
| 30°    | 3043.4 | 3429.5 | 3554.4 | 3569.6 | 3618.8 | 3626.3 | 3611.2 | 3618.8 | 3637.7 | 3645.3 | 3652.9 |
| 32.5°  | 2842.7 | 3209.9 | 3444.7 | 3478.7 | 3524.1 | 3501.4 | 3497.7 | 3509.1 | 3539.3 | 3539.3 | 3546.9 |
| 35°    | 2570.3 | 3039.7 | 3342.5 | 3372.8 | 3406.8 | 3380.3 | 3395.4 | 3399.2 | 3418.1 | 3429.5 | 3425.8 |
| 37.5°  | 2271.2 | 2892.0 | 3236.5 | 3259.2 | 3285.7 | 3251.6 | 3274.3 | 3285.7 | 3300.9 | 3293.2 | 3293.2 |
| 40°    | 2006.3 | 2661.1 | 3111.6 | 3126.7 | 3149.4 | 3122.9 | 3145.6 | 3153.2 | 3160.8 | 3153.2 | 3149.4 |
| 42.5°  | 1809.4 | 2407.5 | 2979.0 | 2998.0 | 2982.8 | 3001.8 | 3009.3 | 3024.5 | 3013.1 | 2998.0 | 2998.0 |
| 45°    | 1658.0 | 2339.4 | 2835.2 | 2857.9 | 2835.2 | 2865.5 | 2876.8 | 2876.8 | 2842.7 | 2835.2 | 2831.5 |
| 47.5°  | 1608.8 | 2203.1 | 2691.4 | 2691.4 | 2680.0 | 2717.8 | 2736.8 | 2710.3 | 2676.2 | 2664.9 | 2664.9 |
| 50°    | 1605.0 | 2051.6 | 2494.6 | 2479.4 | 2532.4 | 2577.8 | 2558.9 | 2532.4 | 2505.9 | 2464.3 | 2464.3 |
| 52.5°  | 1457.3 | 1866.2 | 2240.9 | 2297.7 | 2381.0 | 2407.5 | 2377.2 | 2350.7 | 2305.3 | 2286.4 | 2271.2 |
| 55°    | 1351.3 | 1673.2 | 2010.0 | 2123.5 | 2210.6 | 2244.7 | 2187.9 | 2161.5 | 2093.3 | 2081.9 | 2074.4 |
| 57.5°  | 1328.7 | 1393.0 | 1798.1 | 1941.9 | 2047.9 | 2044.1 | 2010.0 | 1960.8 | 1904.0 | 1892.7 | 1888.9 |
| 60°    | 1218.9 | 1006.9 | 1570.9 | 1741.3 | 1851.1 | 1839.7 | 1809.4 | 1764.0 | 1711.0 | 1703.4 | 1695.8 |
| 62.5°  | 1105.3 | 730.6  | 1313.5 | 1506.6 | 1661.8 | 1658.0 | 1631.5 | 1563.3 | 1525.5 | 1506.6 | 1491.4 |
| 65°    | 938.8  | 613.2  | 934.9  | 1253.0 | 1476.2 | 1483.9 | 1427.1 | 1377.9 | 1336.2 | 1313.5 | 1309.7 |
| 67.5°  | 715.4  | 499.7  | 632.1  | 1044.8 | 1298.4 | 1290.8 | 1218.9 | 1196.1 | 1143.1 | 1131.8 | 1109.1 |
| 70°    | 529.9  | 333.1  | 439.1  | 847.9  | 1124.2 | 1105.3 | 1048.5 | 1022.0 | 972.9  | 946.3  | 931.2  |
| 72.5°  | 439.1  | 268.7  | 321.7  | 658.7  | 946.3  | 923.6  | 874.4  | 844.1  | 802.5  | 779.8  | 764.7  |
| 75°    | 355.8  | 283.9  | 246.0  | 488.3  | 768.4  | 753.3  | 707.8  | 677.6  | 643.5  | 613.2  | 617.0  |
| 77.5°  | 261.2  | 265.0  | 196.8  | 359.7  | 609.5  | 586.8  | 560.2  | 522.4  | 507.2  | 476.9  | 476.9  |
| 80°    | 196.8  | 208.2  | 147.6  | 246.0  | 439.1  | 439.1  | 416.4  | 389.9  | 363.4  | 348.3  | 348.3  |
| 82.5°  | 132.5  | 132.5  | 109.7  | 155.2  | 299.0  | 287.6  | 272.6  | 265.0  | 249.8  | 242.3  | 242.3  |
| 85°    | 60.5   | 75.7   | 68.1   | 94.6   | 162.7  | 170.4  | 170.4  | 162.7  | 159.0  | 151.4  | 155.2  |
| 87.5°  | 18.9   | 34.1   | 41.6   | 53.0   | 83.3   | 87.1   | 90.8   | 90.8   | 90.8   | 94.6   | 94.6   |
| 90°    | 8.9    | 15.9   | 23.0   | 24.8   | 39.1   | 58.1   | 67.5   | 60.0   | 45.0   | 33.7   | 33.7   |
| 92.5°  | 35.5   | 95.9   | 156.3  | 171.4  | 240.9  | 333.7  | 380.1  | 333.1  | 239.2  | 168.7  | 162.1  |
| 95°    | 85.3   | 195.8  | 306.4  | 334.0  | 593.0  | 938.4  | 1111.0 | 991.5  | 752.3  | 572.8  | 552.5  |
| 97.5°  | 147.5  | 245.0  | 342.5  | 366.8  | 798.8  | 1374.6 | 1662.6 | 1586.9 | 1435.7 | 1322.4 | 1283.7 |
| 100°   | 195.4  | 283.8  | 372.3  | 394.3  | 873.6  | 1512.6 | 1832.2 | 1837.7 | 1848.8 | 1857.1 | 1811.0 |
| 102.5° | 236.3  | 318.8  | 401.2  | 421.8  | 907.9  | 1556.1 | 1880.2 | 1976.5 | 2169.1 | 2313.6 | 2274.1 |
| 105°   | 305.5  | 375.4  | 445.2  | 462.7  | 933.4  | 1561.0 | 1874.9 | 2090.8 | 2522.6 | 2846.5 | 2825.3 |
| 107.5° | 376.6  | 441.7  | 506.8  | 523.1  | 938.2  | 1491.6 | 1768.3 | 2069.5 | 2671.8 | 3123.5 | 3128.7 |
| 110°   | 424.5  | 483.3  | 542.2  | 556.9  | 931.0  | 1430.0 | 1679.5 | 2016.2 | 2689.6 | 3194.6 | 3216.6 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 471.6  | 527.6  | 583.7  | 597.7  | 931.4  | 1376.3 | 1598.7 | 1943.2 | 2632.5 | 3149.3 | 3183.2 |
| 115°   | 542.6  | 594.3  | 646.1  | 658.9  | 939.9  | 1314.6 | 1501.8 | 1833.8 | 2497.7 | 2995.6 | 3042.7 |
| 117.5° | 612.8  | 659.8  | 706.7  | 718.4  | 957.4  | 1275.9 | 1435.2 | 1734.8 | 2333.9 | 2783.3 | 2835.6 |
| 120°   | 653.7  | 697.9  | 742.0  | 753.1  | 971.6  | 1262.9 | 1408.5 | 1682.2 | 2229.7 | 2640.4 | 2691.1 |
| 122.5° | 693.6  | 738.2  | 782.8  | 794.0  | 992.1  | 1256.1 | 1388.1 | 1634.6 | 2127.6 | 2497.4 | 2547.5 |
| 125°   | 754.9  | 795.6  | 836.3  | 846.4  | 1019.6 | 1250.5 | 1365.9 | 1575.4 | 1994.1 | 2308.2 | 2354.4 |
| 127.5° | 804.7  | 845.7  | 886.8  | 897.0  | 1047.2 | 1247.2 | 1347.3 | 1527.1 | 1886.7 | 2156.4 | 2195.3 |
| 130°   | 831.3  | 875.5  | 919.7  | 930.7  | 1067.2 | 1249.1 | 1340.2 | 1500.2 | 1820.3 | 2060.4 | 2096.3 |
| 132.5° | 858.8  | 903.0  | 947.2  | 958.2  | 1083.4 | 1250.5 | 1333.9 | 1477.2 | 1763.8 | 1978.8 | 2010.9 |
| 135°   | 899.7  | 939.9  | 980.2  | 990.2  | 1101.3 | 1249.3 | 1323.3 | 1443.3 | 1683.3 | 1863.3 | 1891.0 |
| 137.5° | 941.4  | 981.3  | 1021.2 | 1031.1 | 1128.0 | 1257.0 | 1321.5 | 1423.0 | 1625.9 | 1778.0 | 1800.7 |
| 140°   | 976.0  | 1012.7 | 1049.4 | 1058.6 | 1144.2 | 1258.3 | 1315.3 | 1403.0 | 1578.2 | 1709.6 | 1730.8 |
| 142.5° | 1002.7 | 1036.7 | 1070.6 | 1079.1 | 1157.8 | 1262.8 | 1315.3 | 1392.3 | 1546.2 | 1661.7 | 1679.9 |
| 145°   | 1043.5 | 1073.1 | 1102.7 | 1110.2 | 1175.6 | 1262.8 | 1306.4 | 1369.4 | 1495.3 | 1589.8 | 1603.6 |
| 147.5° | 1084.4 | 1113.2 | 1142.1 | 1149.2 | 1201.7 | 1271.5 | 1306.4 | 1356.0 | 1455.0 | 1529.3 | 1540.8 |
| 150°   | 1111.0 | 1137.1 | 1163.2 | 1169.7 | 1215.2 | 1276.1 | 1306.4 | 1348.3 | 1431.9 | 1494.7 | 1503.9 |
| 152.5° | 1138.6 | 1158.3 | 1178.0 | 1183.0 | 1224.1 | 1279.0 | 1306.4 | 1342.2 | 1413.6 | 1467.2 | 1474.1 |
| 155°   | 1179.4 | 1194.0 | 1208.6 | 1212.3 | 1243.7 | 1285.5 | 1306.4 | 1334.9 | 1391.7 | 1434.3 | 1439.0 |
| 157.5° | 1209.6 | 1223.8 | 1238.1 | 1241.6 | 1263.2 | 1292.0 | 1306.4 | 1328.5 | 1372.7 | 1405.9 | 1409.1 |
| 160°   | 1230.0 | 1241.1 | 1252.2 | 1255.0 | 1272.2 | 1295.0 | 1306.4 | 1325.3 | 1363.3 | 1391.7 | 1393.6 |
| 162.5° | 1250.5 | 1258.8 | 1267.0 | 1269.1 | 1281.5 | 1298.1 | 1306.4 | 1322.4 | 1354.4 | 1378.4 | 1380.2 |
| 165°   | 1272.7 | 1280.2 | 1287.6 | 1289.5 | 1295.2 | 1302.7 | 1306.4 | 1317.9 | 1340.7 | 1357.9 | 1359.8 |
| 167.5° | 1293.1 | 1296.6 | 1300.2 | 1301.1 | 1305.9 | 1312.2 | 1315.3 | 1322.8 | 1337.8 | 1349.0 | 1349.8 |
| 170°   | 1306.4 | 1310.0 | 1313.6 | 1314.5 | 1314.7 | 1315.1 | 1315.3 | 1322.8 | 1337.8 | 1349.0 | 1349.0 |
| 172.5° | 1313.5 | 1314.3 | 1315.1 | 1315.3 | 1315.3 | 1315.3 | 1315.3 | 1321.2 | 1333.1 | 1342.0 | 1341.3 |
| 175°   | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1320.7 | 1317.1 | 1315.3 | 1319.0 | 1326.6 | 1332.2 | 1332.2 |
| 177.5° | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1321.2 | 1318.5 | 1317.1 | 1320.1 | 1326.0 | 1330.4 | 1329.6 |
| 180°   | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 |



TEST NUMBER: P934880

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 |
| 2.5°   | 4103.3 | 4092.0 | 4103.3 | 4095.7 | 4099.5 | 4088.2 | 4054.1 | 4042.7 | 4054.1 | 4065.4 | 4065.4 |
| 5°     | 4152.5 | 4145.0 | 4152.5 | 4152.5 | 4148.7 | 4141.2 | 4103.3 | 4095.7 | 4103.3 | 4107.1 | 4099.5 |
| 7.5°   | 4167.6 | 4156.4 | 4167.6 | 4160.1 | 4160.1 | 4152.5 | 4114.7 | 4107.1 | 4110.9 | 4122.3 | 4110.9 |
| 10°    | 4167.6 | 4156.4 | 4167.6 | 4163.9 | 4160.1 | 4152.5 | 4114.7 | 4099.5 | 4099.5 | 4110.9 | 4099.5 |
| 12.5°  | 4148.7 | 4141.2 | 4148.7 | 4141.2 | 4141.2 | 4133.6 | 4095.7 | 4080.6 | 4084.3 | 4088.2 | 4073.1 |
| 15°    | 4118.4 | 4107.1 | 4118.4 | 4110.9 | 4114.7 | 4103.3 | 4061.7 | 4046.5 | 4046.5 | 4054.1 | 4027.6 |
| 17.5°  | 4073.1 | 4057.9 | 4073.1 | 4069.3 | 4065.4 | 4057.9 | 4020.1 | 4004.9 | 4001.1 | 4004.9 | 3986.0 |
| 20°    | 4020.1 | 4008.7 | 4020.1 | 4016.3 | 4016.3 | 4001.1 | 3963.2 | 3944.3 | 3944.3 | 3944.3 | 3925.4 |
| 22.5°  | 3936.8 | 3925.4 | 3936.8 | 3944.3 | 3944.3 | 3940.5 | 3906.4 | 3880.0 | 3872.4 | 3872.4 | 3849.7 |
| 25°    | 3842.2 | 3830.8 | 3842.2 | 3842.2 | 3838.3 | 3842.2 | 3830.8 | 3815.6 | 3804.2 | 3792.9 | 3770.2 |
| 27.5°  | 3751.2 | 3743.7 | 3751.2 | 3743.7 | 3751.2 | 3739.9 | 3736.2 | 3732.3 | 3717.2 | 3705.9 | 3675.6 |
| 30°    | 3660.4 | 3652.9 | 3660.4 | 3652.9 | 3645.3 | 3637.7 | 3618.8 | 3611.2 | 3626.3 | 3618.8 | 3569.6 |
| 32.5°  | 3546.9 | 3539.3 | 3546.9 | 3546.9 | 3539.3 | 3539.3 | 3509.1 | 3497.7 | 3501.4 | 3524.1 | 3478.7 |
| 35°    | 3429.5 | 3418.1 | 3429.5 | 3425.8 | 3429.5 | 3418.1 | 3399.2 | 3395.4 | 3380.3 | 3406.8 | 3372.8 |
| 37.5°  | 3293.2 | 3281.9 | 3293.2 | 3293.2 | 3293.2 | 3300.9 | 3285.7 | 3274.3 | 3251.6 | 3285.7 | 3259.2 |
| 40°    | 3153.2 | 3138.0 | 3153.2 | 3149.4 | 3153.2 | 3160.8 | 3153.2 | 3145.6 | 3122.9 | 3149.4 | 3126.7 |
| 42.5°  | 2994.2 | 2990.4 | 2994.2 | 2998.0 | 2998.0 | 3013.1 | 3024.5 | 3009.3 | 3001.8 | 2982.8 | 2998.0 |
| 45°    | 2823.8 | 2816.3 | 2823.8 | 2831.5 | 2835.2 | 2842.7 | 2876.8 | 2876.8 | 2865.5 | 2835.2 | 2857.9 |
| 47.5°  | 2642.2 | 2623.3 | 2642.2 | 2664.9 | 2664.9 | 2676.2 | 2710.3 | 2736.8 | 2717.8 | 2680.0 | 2691.4 |
| 50°    | 2449.1 | 2452.9 | 2449.1 | 2464.3 | 2464.3 | 2505.9 | 2532.4 | 2558.9 | 2577.8 | 2532.4 | 2479.4 |
| 52.5°  | 2259.8 | 2256.1 | 2259.8 | 2271.2 | 2286.4 | 2305.3 | 2350.7 | 2377.2 | 2407.5 | 2381.0 | 2297.7 |
| 55°    | 2070.5 | 2078.2 | 2070.5 | 2074.4 | 2081.9 | 2093.3 | 2161.5 | 2187.9 | 2244.7 | 2210.6 | 2123.5 |
| 57.5°  | 1881.4 | 1870.0 | 1881.4 | 1888.9 | 1892.7 | 1904.0 | 1960.8 | 2010.0 | 2044.1 | 2047.9 | 1941.9 |
| 60°    | 1661.8 | 1646.6 | 1661.8 | 1695.8 | 1703.4 | 1711.0 | 1764.0 | 1809.4 | 1839.7 | 1851.1 | 1741.3 |
| 62.5°  | 1468.7 | 1442.2 | 1468.7 | 1491.4 | 1506.6 | 1525.5 | 1563.3 | 1631.5 | 1658.0 | 1661.8 | 1506.6 |
| 65°    | 1264.3 | 1253.0 | 1264.3 | 1309.7 | 1313.5 | 1336.2 | 1377.9 | 1427.1 | 1483.9 | 1476.2 | 1253.0 |
| 67.5°  | 1078.9 | 1078.9 | 1078.9 | 1109.1 | 1131.8 | 1143.1 | 1196.1 | 1218.9 | 1290.8 | 1298.4 | 1044.8 |
| 70°    | 908.5  | 904.7  | 908.5  | 931.2  | 946.3  | 972.9  | 1022.0 | 1048.5 | 1105.3 | 1124.2 | 847.9  |
| 72.5°  | 745.8  | 741.9  | 745.8  | 764.7  | 779.8  | 802.5  | 844.1  | 874.4  | 923.6  | 946.3  | 658.7  |
| 75°    | 601.8  | 594.3  | 601.8  | 617.0  | 613.2  | 643.5  | 677.6  | 707.8  | 753.3  | 768.4  | 488.3  |
| 77.5°  | 461.8  | 461.8  | 461.8  | 476.9  | 476.9  | 507.2  | 522.4  | 560.2  | 586.8  | 609.5  | 359.7  |
| 80°    | 344.5  | 340.6  | 344.5  | 348.3  | 348.3  | 363.4  | 389.9  | 416.4  | 439.1  | 439.1  | 246.0  |
| 82.5°  | 242.3  | 234.6  | 242.3  | 242.3  | 242.3  | 249.8  | 265.0  | 272.6  | 287.6  | 299.0  | 155.2  |
| 85°    | 151.4  | 151.4  | 151.4  | 155.2  | 151.4  | 159.0  | 162.7  | 170.4  | 170.4  | 162.7  | 94.6   |
| 87.5°  | 98.5   | 94.6   | 98.5   | 94.6   | 94.6   | 90.8   | 90.8   | 90.8   | 87.1   | 83.3   | 53.0   |
| 90°    | 33.7   | 33.7   | 33.7   | 33.7   | 33.7   | 45.0   | 60.0   | 67.5   | 58.1   | 39.1   | 24.8   |
| 92.5°  | 135.2  | 108.4  | 135.2  | 162.1  | 168.7  | 239.2  | 333.1  | 380.1  | 333.7  | 240.9  | 171.4  |
| 95°    | 471.2  | 389.9  | 471.2  | 552.5  | 572.8  | 752.3  | 991.5  | 1111.0 | 938.4  | 593.0  | 334.0  |
| 97.5°  | 1129.0 | 974.3  | 1129.0 | 1283.7 | 1322.4 | 1435.7 | 1586.9 | 1662.6 | 1374.6 | 798.8  | 366.8  |
| 100°   | 1626.7 | 1442.3 | 1626.7 | 1811.0 | 1857.1 | 1848.8 | 1837.7 | 1832.2 | 1512.6 | 873.6  | 394.3  |
| 102.5° | 2116.2 | 1958.3 | 2116.2 | 2274.1 | 2313.6 | 2169.1 | 1976.5 | 1880.2 | 1556.1 | 907.9  | 421.8  |
| 105°   | 2740.4 | 2655.5 | 2740.4 | 2825.3 | 2846.5 | 2522.6 | 2090.8 | 1874.9 | 1561.0 | 933.4  | 462.7  |
| 107.5° | 3149.2 | 3169.7 | 3149.2 | 3128.7 | 3123.5 | 2671.8 | 2069.5 | 1768.3 | 1491.6 | 938.2  | 523.1  |
| 110°   | 3305.1 | 3393.5 | 3305.1 | 3216.6 | 3194.6 | 2689.6 | 2016.2 | 1679.5 | 1430.0 | 931.0  | 556.9  |





TEST NUMBER: P934880

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 3319.0 | 3454.8 | 3319.0 | 3183.2 | 3149.3 | 2632.5 | 1943.2 | 1598.7 | 1376.3 | 931.4  | 597.7  |
| 115°   | 3231.0 | 3419.3 | 3231.0 | 3042.7 | 2995.6 | 2497.7 | 1833.8 | 1501.8 | 1314.6 | 939.9  | 658.9  |
| 117.5° | 3044.3 | 3253.2 | 3044.3 | 2835.6 | 2783.3 | 2333.9 | 1734.8 | 1435.2 | 1275.9 | 957.4  | 718.4  |
| 120°   | 2894.0 | 3096.9 | 2894.0 | 2691.1 | 2640.4 | 2229.7 | 1682.2 | 1408.5 | 1262.9 | 971.6  | 753.1  |
| 122.5° | 2747.5 | 2947.7 | 2747.5 | 2547.5 | 2497.4 | 2127.6 | 1634.6 | 1388.1 | 1256.1 | 992.1  | 794.0  |
| 125°   | 2538.7 | 2723.0 | 2538.7 | 2354.4 | 2308.2 | 1994.1 | 1575.4 | 1365.9 | 1250.5 | 1019.6 | 846.4  |
| 127.5° | 2350.8 | 2506.3 | 2350.8 | 2195.3 | 2156.4 | 1886.7 | 1527.1 | 1347.3 | 1247.2 | 1047.2 | 897.0  |
| 130°   | 2240.0 | 2383.8 | 2240.0 | 2096.3 | 2060.4 | 1820.3 | 1500.2 | 1340.2 | 1249.1 | 1067.2 | 930.7  |
| 132.5° | 2139.6 | 2268.3 | 2139.6 | 2010.9 | 1978.8 | 1763.8 | 1477.2 | 1333.9 | 1250.5 | 1083.4 | 958.2  |
| 135°   | 2002.0 | 2112.8 | 2002.0 | 1891.0 | 1863.3 | 1683.3 | 1443.3 | 1323.3 | 1249.3 | 1101.3 | 990.2  |
| 137.5° | 1891.5 | 1982.3 | 1891.5 | 1800.7 | 1778.0 | 1625.9 | 1423.0 | 1321.5 | 1257.0 | 1128.0 | 1031.1 |
| 140°   | 1815.7 | 1900.5 | 1815.7 | 1730.8 | 1709.6 | 1578.2 | 1403.0 | 1315.3 | 1258.3 | 1144.2 | 1058.6 |
| 142.5° | 1753.0 | 1826.0 | 1753.0 | 1679.9 | 1661.7 | 1546.2 | 1392.3 | 1315.3 | 1262.8 | 1157.8 | 1079.1 |
| 145°   | 1658.8 | 1714.0 | 1658.8 | 1603.6 | 1589.8 | 1495.3 | 1369.4 | 1306.4 | 1262.8 | 1175.6 | 1110.2 |
| 147.5° | 1586.5 | 1632.4 | 1586.5 | 1540.8 | 1529.3 | 1455.0 | 1356.0 | 1306.4 | 1271.5 | 1201.7 | 1149.2 |
| 150°   | 1541.1 | 1578.2 | 1541.1 | 1503.9 | 1494.7 | 1431.9 | 1348.3 | 1306.4 | 1276.1 | 1215.2 | 1169.7 |
| 152.5° | 1502.2 | 1530.2 | 1502.2 | 1474.1 | 1467.2 | 1413.6 | 1342.2 | 1306.4 | 1279.0 | 1224.1 | 1183.0 |
| 155°   | 1457.5 | 1476.0 | 1457.5 | 1439.0 | 1434.3 | 1391.7 | 1334.9 | 1306.4 | 1285.5 | 1243.7 | 1212.3 |
| 157.5° | 1422.2 | 1435.2 | 1422.2 | 1409.1 | 1405.9 | 1372.7 | 1328.5 | 1306.4 | 1292.0 | 1263.2 | 1241.6 |
| 160°   | 1401.1 | 1408.5 | 1401.1 | 1393.6 | 1391.7 | 1363.3 | 1325.3 | 1306.4 | 1295.0 | 1272.2 | 1255.0 |
| 162.5° | 1387.2 | 1394.4 | 1387.2 | 1380.2 | 1378.4 | 1354.4 | 1322.4 | 1306.4 | 1298.1 | 1281.5 | 1269.1 |
| 165°   | 1367.3 | 1374.8 | 1367.3 | 1359.8 | 1357.9 | 1340.7 | 1317.9 | 1306.4 | 1302.7 | 1295.2 | 1289.5 |
| 167.5° | 1353.0 | 1356.2 | 1353.0 | 1349.8 | 1349.0 | 1337.8 | 1322.8 | 1315.3 | 1312.2 | 1305.9 | 1301.1 |
| 170°   | 1349.0 | 1349.0 | 1349.0 | 1349.0 | 1349.0 | 1337.8 | 1322.8 | 1315.3 | 1315.1 | 1314.7 | 1314.5 |
| 172.5° | 1338.5 | 1335.8 | 1338.5 | 1341.3 | 1342.0 | 1333.1 | 1321.2 | 1315.3 | 1315.3 | 1315.3 | 1315.3 |
| 175°   | 1332.2 | 1332.2 | 1332.2 | 1332.2 | 1332.2 | 1326.6 | 1319.0 | 1315.3 | 1317.1 | 1320.7 | 1323.3 |
| 177.5° | 1326.5 | 1323.3 | 1326.5 | 1329.6 | 1330.4 | 1326.0 | 1320.1 | 1317.1 | 1318.5 | 1321.2 | 1323.3 |
| 180°   | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 |



TEST NUMBER: P934880

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 |
| 2.5°   | 4057.9 | 4035.2 | 4035.2 | 3997.3 | 3982.2 | 3970.8 | 3951.9 | 3895.2 | 3880.0 | 3864.8 | 3887.5 |
| 5°     | 4092.0 | 4050.3 | 4020.1 | 3951.9 | 3895.2 | 3872.4 | 3800.5 | 3664.2 | 3573.3 | 3505.2 | 3467.4 |
| 7.5°   | 4099.5 | 4046.5 | 3989.7 | 3883.8 | 3747.5 | 3687.0 | 3467.4 | 3217.6 | 3149.4 | 3088.9 | 3050.9 |
| 10°    | 4092.0 | 4031.4 | 3951.9 | 3792.9 | 3471.1 | 3365.1 | 3145.6 | 2982.8 | 2941.2 | 2929.8 | 2941.2 |
| 12.5°  | 4065.4 | 4008.7 | 3898.9 | 3634.0 | 3183.5 | 3111.6 | 2982.8 | 2888.2 | 2880.7 | 2899.6 | 3001.8 |
| 15°    | 4020.1 | 3967.1 | 3838.3 | 3422.0 | 3024.5 | 2971.5 | 2880.7 | 2846.6 | 2888.2 | 3020.7 | 3327.3 |
| 17.5°  | 3974.6 | 3914.1 | 3755.1 | 3213.8 | 2903.4 | 2865.5 | 2801.1 | 2869.3 | 3103.9 | 3281.9 | 3384.1 |
| 20°    | 3914.1 | 3842.2 | 3660.4 | 3062.3 | 2816.3 | 2782.2 | 2751.9 | 3058.6 | 3236.5 | 3300.9 | 3357.6 |
| 22.5°  | 3842.2 | 3766.4 | 3531.7 | 2956.4 | 2725.5 | 2698.9 | 2717.8 | 3164.6 | 3236.5 | 3281.9 | 3331.1 |
| 25°    | 3747.5 | 3683.1 | 3380.3 | 2873.1 | 2653.6 | 2623.3 | 2695.2 | 3153.2 | 3194.9 | 3206.2 | 3304.6 |
| 27.5°  | 3660.4 | 3577.1 | 3221.3 | 2797.4 | 2566.5 | 2555.1 | 2714.1 | 3103.9 | 3134.3 | 3145.6 | 3251.6 |
| 30°    | 3554.4 | 3429.5 | 3043.4 | 2717.8 | 2475.6 | 2471.8 | 2717.8 | 3043.4 | 3035.8 | 3066.1 | 3172.1 |
| 32.5°  | 3444.7 | 3209.9 | 2842.7 | 2619.5 | 2388.6 | 2384.7 | 2691.4 | 2952.6 | 2945.0 | 2986.7 | 3066.1 |
| 35°    | 3342.5 | 3039.7 | 2570.3 | 2505.9 | 2278.8 | 2282.5 | 2627.0 | 2846.6 | 2850.4 | 2888.2 | 2937.4 |
| 37.5°  | 3236.5 | 2892.0 | 2271.2 | 2381.0 | 2172.8 | 2172.8 | 2539.9 | 2748.2 | 2740.6 | 2751.9 | 2820.1 |
| 40°    | 3111.6 | 2661.1 | 2006.3 | 2218.2 | 2074.4 | 2063.0 | 2434.0 | 2642.2 | 2615.6 | 2611.9 | 2706.6 |
| 42.5°  | 2979.0 | 2407.5 | 1809.4 | 2002.4 | 1960.8 | 1945.6 | 2305.3 | 2513.5 | 2464.3 | 2475.6 | 2596.7 |
| 45°    | 2835.2 | 2339.4 | 1658.0 | 1692.1 | 1843.4 | 1832.1 | 2165.2 | 2365.8 | 2331.7 | 2362.1 | 2487.0 |
| 47.5°  | 2691.4 | 2203.1 | 1608.8 | 1404.3 | 1718.5 | 1714.8 | 2010.0 | 2222.0 | 2203.1 | 2233.4 | 2365.8 |
| 50°    | 2494.6 | 2051.6 | 1605.0 | 1203.8 | 1578.5 | 1593.6 | 1824.5 | 2081.9 | 2081.9 | 2108.4 | 2248.5 |
| 52.5°  | 2240.9 | 1866.2 | 1457.3 | 1090.1 | 1415.7 | 1461.1 | 1661.8 | 1960.8 | 1968.4 | 1994.9 | 2119.8 |
| 55°    | 2010.0 | 1673.2 | 1351.3 | 1003.1 | 1222.7 | 1321.1 | 1502.8 | 1835.9 | 1851.1 | 1877.5 | 1991.1 |
| 57.5°  | 1798.1 | 1393.0 | 1328.7 | 900.9  | 1044.8 | 1139.4 | 1362.7 | 1714.8 | 1722.3 | 1745.1 | 1854.8 |
| 60°    | 1570.9 | 1006.9 | 1218.9 | 791.1  | 889.6  | 961.5  | 1234.1 | 1570.9 | 1597.4 | 1612.5 | 1707.2 |
| 62.5°  | 1313.5 | 730.6  | 1105.3 | 715.4  | 813.9  | 829.0  | 1128.0 | 1434.6 | 1468.7 | 1480.1 | 1536.9 |
| 65°    | 934.9  | 613.2  | 938.8  | 651.1  | 734.4  | 738.1  | 1014.5 | 1294.6 | 1324.9 | 1343.8 | 1385.4 |
| 67.5°  | 632.1  | 499.7  | 715.4  | 590.5  | 673.8  | 677.6  | 904.7  | 1131.8 | 1173.4 | 1188.6 | 1215.1 |
| 70°    | 439.1  | 333.1  | 529.9  | 526.2  | 605.7  | 613.2  | 787.4  | 984.2  | 1022.0 | 1033.4 | 1048.5 |
| 72.5°  | 321.7  | 268.7  | 439.1  | 473.2  | 533.7  | 541.3  | 666.2  | 817.7  | 855.5  | 866.9  | 874.4  |
| 75°    | 246.0  | 283.9  | 355.8  | 412.6  | 454.2  | 458.0  | 545.1  | 666.2  | 692.8  | 700.3  | 704.0  |
| 77.5°  | 196.8  | 265.0  | 261.2  | 333.1  | 370.9  | 363.4  | 427.7  | 514.8  | 537.5  | 537.5  | 537.5  |
| 80°    | 147.6  | 208.2  | 196.8  | 238.5  | 272.6  | 265.0  | 306.7  | 367.2  | 374.7  | 382.3  | 378.6  |
| 82.5°  | 109.7  | 132.5  | 132.5  | 151.4  | 181.7  | 174.1  | 204.4  | 238.5  | 238.5  | 238.5  | 246.0  |
| 85°    | 68.1   | 75.7   | 60.5   | 79.5   | 102.2  | 98.5   | 113.5  | 128.7  | 132.5  | 132.5  | 124.9  |
| 87.5°  | 41.6   | 34.1   | 18.9   | 30.3   | 45.5   | 45.5   | 53.0   | 56.8   | 53.0   | 53.0   | 53.0   |
| 90°    | 23.0   | 15.9   | 8.9    | 15.9   | 23.0   | 24.8   | 39.1   | 58.1   | 67.5   | 60.0   | 45.0   |
| 92.5°  | 156.3  | 95.9   | 35.5   | 95.9   | 156.3  | 171.4  | 240.9  | 333.7  | 380.1  | 333.1  | 239.2  |
| 95°    | 306.4  | 195.8  | 85.3   | 195.8  | 306.4  | 334.0  | 593.0  | 938.4  | 1111.0 | 991.5  | 752.3  |
| 97.5°  | 342.5  | 245.0  | 147.5  | 245.0  | 342.5  | 366.8  | 798.8  | 1374.6 | 1662.6 | 1586.9 | 1435.7 |
| 100°   | 372.3  | 283.8  | 195.4  | 283.8  | 372.3  | 394.3  | 873.6  | 1512.6 | 1832.2 | 1837.7 | 1848.8 |
| 102.5° | 401.2  | 318.8  | 236.3  | 318.8  | 401.2  | 421.8  | 907.9  | 1556.1 | 1880.2 | 1976.5 | 2169.1 |
| 105°   | 445.2  | 375.4  | 305.5  | 375.4  | 445.2  | 462.7  | 933.4  | 1561.0 | 1874.9 | 2090.8 | 2522.6 |
| 107.5° | 506.8  | 441.7  | 376.6  | 441.7  | 506.8  | 523.1  | 938.2  | 1491.6 | 1768.3 | 2069.5 | 2671.8 |
| 110°   | 542.2  | 483.3  | 424.5  | 483.3  | 542.2  | 556.9  | 931.0  | 1430.0 | 1679.5 | 2016.2 | 2689.6 |



TEST NUMBER: P934880

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 583.7  | 527.6  | 471.6  | 527.6  | 583.7  | 597.7  | 931.4  | 1376.3 | 1598.7 | 1943.2 | 2632.5 |
| 115°   | 646.1  | 594.3  | 542.6  | 594.3  | 646.1  | 658.9  | 939.9  | 1314.6 | 1501.8 | 1833.8 | 2497.7 |
| 117.5° | 706.7  | 659.8  | 612.8  | 659.8  | 706.7  | 718.4  | 957.4  | 1275.9 | 1435.2 | 1734.8 | 2333.9 |
| 120°   | 742.0  | 697.9  | 653.7  | 697.9  | 742.0  | 753.1  | 971.6  | 1262.9 | 1408.5 | 1682.2 | 2229.7 |
| 122.5° | 782.8  | 738.2  | 693.6  | 738.2  | 782.8  | 794.0  | 992.1  | 1256.1 | 1388.1 | 1634.6 | 2127.6 |
| 125°   | 836.3  | 795.6  | 754.9  | 795.6  | 836.3  | 846.4  | 1019.6 | 1250.5 | 1365.9 | 1575.4 | 1994.1 |
| 127.5° | 886.8  | 845.7  | 804.7  | 845.7  | 886.8  | 897.0  | 1047.2 | 1247.2 | 1347.3 | 1527.1 | 1886.7 |
| 130°   | 919.7  | 875.5  | 831.3  | 875.5  | 919.7  | 930.7  | 1067.2 | 1249.1 | 1340.2 | 1500.2 | 1820.3 |
| 132.5° | 947.2  | 903.0  | 858.8  | 903.0  | 947.2  | 958.2  | 1083.4 | 1250.5 | 1333.9 | 1477.2 | 1763.8 |
| 135°   | 980.2  | 939.9  | 899.7  | 939.9  | 980.2  | 990.2  | 1101.3 | 1249.3 | 1323.3 | 1443.3 | 1683.3 |
| 137.5° | 1021.2 | 981.3  | 941.4  | 981.3  | 1021.2 | 1031.1 | 1128.0 | 1257.0 | 1321.5 | 1423.0 | 1625.9 |
| 140°   | 1049.4 | 1012.7 | 976.0  | 1012.7 | 1049.4 | 1058.6 | 1144.2 | 1258.3 | 1315.3 | 1403.0 | 1578.2 |
| 142.5° | 1070.6 | 1036.7 | 1002.7 | 1036.7 | 1070.6 | 1079.1 | 1157.8 | 1262.8 | 1315.3 | 1392.3 | 1546.2 |
| 145°   | 1102.7 | 1073.1 | 1043.5 | 1073.1 | 1102.7 | 1110.2 | 1175.6 | 1262.8 | 1306.4 | 1369.4 | 1495.3 |
| 147.5° | 1142.1 | 1113.2 | 1084.4 | 1113.2 | 1142.1 | 1149.2 | 1201.7 | 1271.5 | 1306.4 | 1356.0 | 1455.0 |
| 150°   | 1163.2 | 1137.1 | 1111.0 | 1137.1 | 1163.2 | 1169.7 | 1215.2 | 1276.1 | 1306.4 | 1348.3 | 1431.9 |
| 152.5° | 1178.0 | 1158.3 | 1138.6 | 1158.3 | 1178.0 | 1183.0 | 1224.1 | 1279.0 | 1306.4 | 1342.2 | 1413.6 |
| 155°   | 1208.6 | 1194.0 | 1179.4 | 1194.0 | 1208.6 | 1212.3 | 1243.7 | 1285.5 | 1306.4 | 1334.9 | 1391.7 |
| 157.5° | 1238.1 | 1223.8 | 1209.6 | 1223.8 | 1238.1 | 1241.6 | 1263.2 | 1292.0 | 1306.4 | 1328.5 | 1372.7 |
| 160°   | 1252.2 | 1241.1 | 1230.0 | 1241.1 | 1252.2 | 1255.0 | 1272.2 | 1295.0 | 1306.4 | 1325.3 | 1363.3 |
| 162.5° | 1267.0 | 1258.8 | 1250.5 | 1258.8 | 1267.0 | 1269.1 | 1281.5 | 1298.1 | 1306.4 | 1322.4 | 1354.4 |
| 165°   | 1287.6 | 1280.2 | 1272.7 | 1280.2 | 1287.6 | 1289.5 | 1295.2 | 1302.7 | 1306.4 | 1317.9 | 1340.7 |
| 167.5° | 1300.2 | 1296.6 | 1293.1 | 1296.6 | 1300.2 | 1301.1 | 1305.9 | 1312.2 | 1315.3 | 1322.8 | 1337.8 |
| 170°   | 1313.6 | 1310.0 | 1306.4 | 1310.0 | 1313.6 | 1314.5 | 1314.7 | 1315.1 | 1315.3 | 1322.8 | 1337.8 |
| 172.5° | 1315.1 | 1314.3 | 1313.5 | 1314.3 | 1315.1 | 1315.3 | 1315.3 | 1315.3 | 1315.3 | 1321.2 | 1333.1 |
| 175°   | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1320.7 | 1317.1 | 1315.3 | 1319.0 | 1326.6 |
| 177.5° | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1321.2 | 1318.5 | 1317.1 | 1320.1 | 1326.0 |
| 180°   | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 |



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**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 |
| 2.5°   | 3861.1 | 3849.7 | 3864.8 | 3823.2 | 3864.8 | 3849.7 | 3861.1 | 3887.5 | 3864.8 | 3880.0 | 3895.2 |
| 5°     | 3387.9 | 3369.0 | 3308.4 | 3259.2 | 3308.4 | 3369.0 | 3387.9 | 3467.4 | 3505.2 | 3573.3 | 3664.2 |
| 7.5°   | 3028.3 | 3013.1 | 2998.0 | 2967.7 | 2998.0 | 3013.1 | 3028.3 | 3050.9 | 3088.9 | 3149.4 | 3217.6 |
| 10°    | 2948.8 | 2952.6 | 2975.3 | 2971.5 | 2975.3 | 2952.6 | 2948.8 | 2941.2 | 2929.8 | 2941.2 | 2982.8 |
| 12.5°  | 3153.2 | 3187.2 | 3312.1 | 3304.6 | 3312.1 | 3187.2 | 3153.2 | 3001.8 | 2899.6 | 2880.7 | 2888.2 |
| 15°    | 3387.9 | 3399.2 | 3425.8 | 3429.5 | 3425.8 | 3399.2 | 3387.9 | 3327.3 | 3020.7 | 2888.2 | 2846.6 |
| 17.5°  | 3410.6 | 3414.4 | 3433.3 | 3433.3 | 3433.3 | 3414.4 | 3410.6 | 3384.1 | 3281.9 | 3103.9 | 2869.3 |
| 20°    | 3391.7 | 3399.2 | 3437.0 | 3444.7 | 3437.0 | 3399.2 | 3391.7 | 3357.6 | 3300.9 | 3236.5 | 3058.6 |
| 22.5°  | 3384.1 | 3399.2 | 3429.5 | 3425.8 | 3429.5 | 3399.2 | 3384.1 | 3331.1 | 3281.9 | 3236.5 | 3164.6 |
| 25°    | 3346.2 | 3346.2 | 3350.0 | 3353.8 | 3350.0 | 3346.2 | 3346.2 | 3304.6 | 3206.2 | 3194.9 | 3153.2 |
| 27.5°  | 3266.8 | 3274.3 | 3297.0 | 3293.2 | 3297.0 | 3274.3 | 3266.8 | 3251.6 | 3145.6 | 3134.3 | 3103.9 |
| 30°    | 3194.9 | 3187.2 | 3168.3 | 3153.2 | 3168.3 | 3187.2 | 3194.9 | 3172.1 | 3066.1 | 3035.8 | 3043.4 |
| 32.5°  | 3073.7 | 3054.8 | 3035.8 | 3024.5 | 3035.8 | 3054.8 | 3073.7 | 3066.1 | 2986.7 | 2945.0 | 2952.6 |
| 35°    | 2929.8 | 2933.7 | 2929.8 | 2918.5 | 2929.8 | 2933.7 | 2929.8 | 2937.4 | 2888.2 | 2850.4 | 2846.6 |
| 37.5°  | 2827.7 | 2835.2 | 2831.5 | 2816.3 | 2831.5 | 2835.2 | 2827.7 | 2820.1 | 2751.9 | 2740.6 | 2748.2 |
| 40°    | 2721.7 | 2725.5 | 2721.7 | 2710.3 | 2721.7 | 2725.5 | 2721.7 | 2706.6 | 2611.9 | 2615.6 | 2642.2 |
| 42.5°  | 2619.5 | 2615.6 | 2604.3 | 2596.7 | 2604.3 | 2615.6 | 2619.5 | 2596.7 | 2475.6 | 2464.3 | 2513.5 |
| 45°    | 2502.1 | 2505.9 | 2483.2 | 2471.8 | 2483.2 | 2505.9 | 2502.1 | 2487.0 | 2362.1 | 2331.7 | 2365.8 |
| 47.5°  | 2384.7 | 2384.7 | 2365.8 | 2354.5 | 2365.8 | 2384.7 | 2384.7 | 2365.8 | 2233.4 | 2203.1 | 2222.0 |
| 50°    | 2259.8 | 2256.1 | 2229.5 | 2225.8 | 2229.5 | 2256.1 | 2259.8 | 2248.5 | 2108.4 | 2081.9 | 2081.9 |
| 52.5°  | 2116.0 | 2116.0 | 2119.8 | 2127.4 | 2119.8 | 2116.0 | 2116.0 | 2119.8 | 1994.9 | 1968.4 | 1960.8 |
| 55°    | 1991.1 | 1994.9 | 2021.4 | 2028.9 | 2021.4 | 1994.9 | 1991.1 | 1991.1 | 1877.5 | 1851.1 | 1835.9 |
| 57.5°  | 1862.3 | 1862.3 | 1881.4 | 1881.4 | 1881.4 | 1862.3 | 1862.3 | 1854.8 | 1745.1 | 1722.3 | 1714.8 |
| 60°    | 1714.8 | 1722.3 | 1737.4 | 1733.7 | 1737.4 | 1722.3 | 1714.8 | 1707.2 | 1612.5 | 1597.4 | 1570.9 |
| 62.5°  | 1559.5 | 1567.2 | 1570.9 | 1563.3 | 1570.9 | 1567.2 | 1559.5 | 1536.9 | 1480.1 | 1468.7 | 1434.6 |
| 65°    | 1396.8 | 1404.3 | 1408.1 | 1400.6 | 1408.1 | 1404.3 | 1396.8 | 1385.4 | 1343.8 | 1324.9 | 1294.6 |
| 67.5°  | 1230.2 | 1226.4 | 1222.7 | 1237.8 | 1222.7 | 1226.4 | 1230.2 | 1215.1 | 1188.6 | 1173.4 | 1131.8 |
| 70°    | 1059.9 | 1059.9 | 1056.1 | 1063.7 | 1056.1 | 1059.9 | 1059.9 | 1048.5 | 1033.4 | 1022.0 | 984.2  |
| 72.5°  | 878.2  | 874.4  | 889.6  | 878.2  | 889.6  | 874.4  | 878.2  | 874.4  | 866.9  | 855.5  | 817.7  |
| 75°    | 700.3  | 707.8  | 700.3  | 711.7  | 700.3  | 707.8  | 700.3  | 704.0  | 700.3  | 692.8  | 666.2  |
| 77.5°  | 533.7  | 541.3  | 533.7  | 533.7  | 533.7  | 541.3  | 533.7  | 537.5  | 537.5  | 537.5  | 514.8  |
| 80°    | 378.6  | 374.7  | 374.7  | 370.9  | 374.7  | 374.7  | 378.6  | 378.6  | 382.3  | 374.7  | 367.2  |
| 82.5°  | 242.3  | 238.5  | 238.5  | 246.0  | 238.5  | 238.5  | 242.3  | 246.0  | 238.5  | 238.5  | 238.5  |
| 85°    | 132.5  | 136.3  | 128.7  | 128.7  | 128.7  | 136.3  | 132.5  | 124.9  | 132.5  | 132.5  | 128.7  |
| 87.5°  | 49.2   | 45.5   | 45.5   | 45.5   | 45.5   | 45.5   | 49.2   | 53.0   | 53.0   | 53.0   | 56.8   |
| 90°    | 33.7   | 33.7   | 33.7   | 33.7   | 33.7   | 33.7   | 33.7   | 45.0   | 60.0   | 67.5   | 58.1   |
| 92.5°  | 168.7  | 162.1  | 135.2  | 108.4  | 135.2  | 162.1  | 168.7  | 239.2  | 333.1  | 380.1  | 333.7  |
| 95°    | 572.8  | 552.5  | 471.2  | 389.9  | 471.2  | 552.5  | 572.8  | 752.3  | 991.5  | 1111.0 | 938.4  |
| 97.5°  | 1322.4 | 1283.7 | 1129.0 | 974.3  | 1129.0 | 1283.7 | 1322.4 | 1435.7 | 1586.9 | 1662.6 | 1374.6 |
| 100°   | 1857.1 | 1811.0 | 1626.7 | 1442.3 | 1626.7 | 1811.0 | 1857.1 | 1848.8 | 1837.7 | 1832.2 | 1512.6 |
| 102.5° | 2313.6 | 2274.1 | 2116.2 | 1958.3 | 2116.2 | 2274.1 | 2313.6 | 2169.1 | 1976.5 | 1880.2 | 1556.1 |
| 105°   | 2846.5 | 2825.3 | 2740.4 | 2655.5 | 2740.4 | 2825.3 | 2846.5 | 2522.6 | 2090.8 | 1874.9 | 1561.0 |
| 107.5° | 3123.5 | 3128.7 | 3149.2 | 3169.7 | 3149.2 | 3128.7 | 3123.5 | 2671.8 | 2069.5 | 1768.3 | 1491.6 |
| 110°   | 3194.6 | 3216.6 | 3305.1 | 3393.5 | 3305.1 | 3216.6 | 3194.6 | 2689.6 | 2016.2 | 1679.5 | 1430.0 |



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**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 3149.3 | 3183.2 | 3319.0 | 3454.8 | 3319.0 | 3183.2 | 3149.3 | 2632.5 | 1943.2 | 1598.7 | 1376.3 |
| 115°   | 2995.6 | 3042.7 | 3231.0 | 3419.3 | 3231.0 | 3042.7 | 2995.6 | 2497.7 | 1833.8 | 1501.8 | 1314.6 |
| 117.5° | 2783.3 | 2835.6 | 3044.3 | 3253.2 | 3044.3 | 2835.6 | 2783.3 | 2333.9 | 1734.8 | 1435.2 | 1275.9 |
| 120°   | 2640.4 | 2691.1 | 2894.0 | 3096.9 | 2894.0 | 2691.1 | 2640.4 | 2229.7 | 1682.2 | 1408.5 | 1262.9 |
| 122.5° | 2497.4 | 2547.5 | 2747.5 | 2947.7 | 2747.5 | 2547.5 | 2497.4 | 2127.6 | 1634.6 | 1388.1 | 1256.1 |
| 125°   | 2308.2 | 2354.4 | 2538.7 | 2723.0 | 2538.7 | 2354.4 | 2308.2 | 1994.1 | 1575.4 | 1365.9 | 1250.5 |
| 127.5° | 2156.4 | 2195.3 | 2350.8 | 2506.3 | 2350.8 | 2195.3 | 2156.4 | 1886.7 | 1527.1 | 1347.3 | 1247.2 |
| 130°   | 2060.4 | 2096.3 | 2240.0 | 2383.8 | 2240.0 | 2096.3 | 2060.4 | 1820.3 | 1500.2 | 1340.2 | 1249.1 |
| 132.5° | 1978.8 | 2010.9 | 2139.6 | 2268.3 | 2139.6 | 2010.9 | 1978.8 | 1763.8 | 1477.2 | 1333.9 | 1250.5 |
| 135°   | 1863.3 | 1891.0 | 2002.0 | 2112.8 | 2002.0 | 1891.0 | 1863.3 | 1683.3 | 1443.3 | 1323.3 | 1249.3 |
| 137.5° | 1778.0 | 1800.7 | 1891.5 | 1982.3 | 1891.5 | 1800.7 | 1778.0 | 1625.9 | 1423.0 | 1321.5 | 1257.0 |
| 140°   | 1709.6 | 1730.8 | 1815.7 | 1900.5 | 1815.7 | 1730.8 | 1709.6 | 1578.2 | 1403.0 | 1315.3 | 1258.3 |
| 142.5° | 1661.7 | 1679.9 | 1753.0 | 1826.0 | 1753.0 | 1679.9 | 1661.7 | 1546.2 | 1392.3 | 1315.3 | 1262.8 |
| 145°   | 1589.8 | 1603.6 | 1658.8 | 1714.0 | 1658.8 | 1603.6 | 1589.8 | 1495.3 | 1369.4 | 1306.4 | 1262.8 |
| 147.5° | 1529.3 | 1540.8 | 1586.5 | 1632.4 | 1586.5 | 1540.8 | 1529.3 | 1455.0 | 1356.0 | 1306.4 | 1271.5 |
| 150°   | 1494.7 | 1503.9 | 1541.1 | 1578.2 | 1541.1 | 1503.9 | 1494.7 | 1431.9 | 1348.3 | 1306.4 | 1276.1 |
| 152.5° | 1467.2 | 1474.1 | 1502.2 | 1530.2 | 1502.2 | 1474.1 | 1467.2 | 1413.6 | 1342.2 | 1306.4 | 1279.0 |
| 155°   | 1434.3 | 1439.0 | 1457.5 | 1476.0 | 1457.5 | 1439.0 | 1434.3 | 1391.7 | 1334.9 | 1306.4 | 1285.5 |
| 157.5° | 1405.9 | 1409.1 | 1422.2 | 1435.2 | 1422.2 | 1409.1 | 1405.9 | 1372.7 | 1328.5 | 1306.4 | 1292.0 |
| 160°   | 1391.7 | 1393.6 | 1401.1 | 1408.5 | 1401.1 | 1393.6 | 1391.7 | 1363.3 | 1325.3 | 1306.4 | 1295.0 |
| 162.5° | 1378.4 | 1380.2 | 1387.2 | 1394.4 | 1387.2 | 1380.2 | 1378.4 | 1354.4 | 1322.4 | 1306.4 | 1298.1 |
| 165°   | 1357.9 | 1359.8 | 1367.3 | 1374.8 | 1367.3 | 1359.8 | 1357.9 | 1340.7 | 1317.9 | 1306.4 | 1302.7 |
| 167.5° | 1349.0 | 1349.8 | 1353.0 | 1356.2 | 1353.0 | 1349.8 | 1349.0 | 1337.8 | 1322.8 | 1315.3 | 1312.2 |
| 170°   | 1349.0 | 1349.0 | 1349.0 | 1349.0 | 1349.0 | 1349.0 | 1349.0 | 1337.8 | 1322.8 | 1315.3 | 1315.1 |
| 172.5° | 1342.0 | 1341.3 | 1338.5 | 1335.8 | 1338.5 | 1341.3 | 1342.0 | 1333.1 | 1321.2 | 1315.3 | 1315.3 |
| 175°   | 1332.2 | 1332.2 | 1332.2 | 1332.2 | 1332.2 | 1332.2 | 1332.2 | 1326.6 | 1319.0 | 1315.3 | 1317.1 |
| 177.5° | 1330.4 | 1329.6 | 1326.5 | 1323.3 | 1326.5 | 1329.6 | 1330.4 | 1326.0 | 1320.1 | 1317.1 | 1318.5 |
| 180°   | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 |



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**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 0°     | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1 |
| 2.5°   | 3951.9 | 3970.8 | 3982.2 | 3997.3 | 4035.2 |
| 5°     | 3800.5 | 3872.4 | 3895.2 | 3951.9 | 4020.1 |
| 7.5°   | 3467.4 | 3687.0 | 3747.5 | 3883.8 | 3989.7 |
| 10°    | 3145.6 | 3365.1 | 3471.1 | 3792.9 | 3951.9 |
| 12.5°  | 2982.8 | 3111.6 | 3183.5 | 3634.0 | 3898.9 |
| 15°    | 2880.7 | 2971.5 | 3024.5 | 3422.0 | 3838.3 |
| 17.5°  | 2801.1 | 2865.5 | 2903.4 | 3213.8 | 3755.1 |
| 20°    | 2751.9 | 2782.2 | 2816.3 | 3062.3 | 3660.4 |
| 22.5°  | 2717.8 | 2698.9 | 2725.5 | 2956.4 | 3531.7 |
| 25°    | 2695.2 | 2623.3 | 2653.6 | 2873.1 | 3380.3 |
| 27.5°  | 2714.1 | 2555.1 | 2566.5 | 2797.4 | 3221.3 |
| 30°    | 2717.8 | 2471.8 | 2475.6 | 2717.8 | 3043.4 |
| 32.5°  | 2691.4 | 2384.7 | 2388.6 | 2619.5 | 2842.7 |
| 35°    | 2627.0 | 2282.5 | 2278.8 | 2505.9 | 2570.3 |
| 37.5°  | 2539.9 | 2172.8 | 2172.8 | 2381.0 | 2271.2 |
| 40°    | 2434.0 | 2063.0 | 2074.4 | 2218.2 | 2006.3 |
| 42.5°  | 2305.3 | 1945.6 | 1960.8 | 2002.4 | 1809.4 |
| 45°    | 2165.2 | 1832.1 | 1843.4 | 1692.1 | 1658.0 |
| 47.5°  | 2010.0 | 1714.8 | 1718.5 | 1404.3 | 1608.8 |
| 50°    | 1824.5 | 1593.6 | 1578.5 | 1203.8 | 1605.0 |
| 52.5°  | 1661.8 | 1461.1 | 1415.7 | 1090.1 | 1457.3 |
| 55°    | 1502.8 | 1321.1 | 1222.7 | 1003.1 | 1351.3 |
| 57.5°  | 1362.7 | 1139.4 | 1044.8 | 900.9  | 1328.7 |
| 60°    | 1234.1 | 961.5  | 889.6  | 791.1  | 1218.9 |
| 62.5°  | 1128.0 | 829.0  | 813.9  | 715.4  | 1105.3 |
| 65°    | 1014.5 | 738.1  | 734.4  | 651.1  | 938.8  |
| 67.5°  | 904.7  | 677.6  | 673.8  | 590.5  | 715.4  |
| 70°    | 787.4  | 613.2  | 605.7  | 526.2  | 529.9  |
| 72.5°  | 666.2  | 541.3  | 533.7  | 473.2  | 439.1  |
| 75°    | 545.1  | 458.0  | 454.2  | 412.6  | 355.8  |
| 77.5°  | 427.7  | 363.4  | 370.9  | 333.1  | 261.2  |
| 80°    | 306.7  | 265.0  | 272.6  | 238.5  | 196.8  |
| 82.5°  | 204.4  | 174.1  | 181.7  | 151.4  | 132.5  |
| 85°    | 113.5  | 98.5   | 102.2  | 79.5   | 60.5   |
| 87.5°  | 53.0   | 45.5   | 45.5   | 30.3   | 18.9   |
| 90°    | 39.1   | 24.8   | 23.0   | 15.9   | 8.9    |
| 92.5°  | 240.9  | 171.4  | 156.3  | 95.9   | 35.5   |
| 95°    | 593.0  | 334.0  | 306.4  | 195.8  | 85.3   |
| 97.5°  | 798.8  | 366.8  | 342.5  | 245.0  | 147.5  |
| 100°   | 873.6  | 394.3  | 372.3  | 283.8  | 195.4  |
| 102.5° | 907.9  | 421.8  | 401.2  | 318.8  | 236.3  |
| 105°   | 933.4  | 462.7  | 445.2  | 375.4  | 305.5  |
| 107.5° | 938.2  | 523.1  | 506.8  | 441.7  | 376.6  |
| 110°   | 931.0  | 556.9  | 542.2  | 483.3  | 424.5  |



TEST NUMBER: P934880  
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**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 931.4  | 597.7  | 583.7  | 527.6  | 471.6  |
| 115°   | 939.9  | 658.9  | 646.1  | 594.3  | 542.6  |
| 117.5° | 957.4  | 718.4  | 706.7  | 659.8  | 612.8  |
| 120°   | 971.6  | 753.1  | 742.0  | 697.9  | 653.7  |
| 122.5° | 992.1  | 794.0  | 782.8  | 738.2  | 693.6  |
| 125°   | 1019.6 | 846.4  | 836.3  | 795.6  | 754.9  |
| 127.5° | 1047.2 | 897.0  | 886.8  | 845.7  | 804.7  |
| 130°   | 1067.2 | 930.7  | 919.7  | 875.5  | 831.3  |
| 132.5° | 1083.4 | 958.2  | 947.2  | 903.0  | 858.8  |
| 135°   | 1101.3 | 990.2  | 980.2  | 939.9  | 899.7  |
| 137.5° | 1128.0 | 1031.1 | 1021.2 | 981.3  | 941.4  |
| 140°   | 1144.2 | 1058.6 | 1049.4 | 1012.7 | 976.0  |
| 142.5° | 1157.8 | 1079.1 | 1070.6 | 1036.7 | 1002.7 |
| 145°   | 1175.6 | 1110.2 | 1102.7 | 1073.1 | 1043.5 |
| 147.5° | 1201.7 | 1149.2 | 1142.1 | 1113.2 | 1084.4 |
| 150°   | 1215.2 | 1169.7 | 1163.2 | 1137.1 | 1111.0 |
| 152.5° | 1224.1 | 1183.0 | 1178.0 | 1158.3 | 1138.6 |
| 155°   | 1243.7 | 1212.3 | 1208.6 | 1194.0 | 1179.4 |
| 157.5° | 1263.2 | 1241.6 | 1238.1 | 1223.8 | 1209.6 |
| 160°   | 1272.2 | 1255.0 | 1252.2 | 1241.1 | 1230.0 |
| 162.5° | 1281.5 | 1269.1 | 1267.0 | 1258.8 | 1250.5 |
| 165°   | 1295.2 | 1289.5 | 1287.6 | 1280.2 | 1272.7 |
| 167.5° | 1305.9 | 1301.1 | 1300.2 | 1296.6 | 1293.1 |
| 170°   | 1314.7 | 1314.5 | 1313.6 | 1310.0 | 1306.4 |
| 172.5° | 1315.3 | 1315.3 | 1315.1 | 1314.3 | 1313.5 |
| 175°   | 1320.7 | 1323.3 | 1323.3 | 1323.3 | 1323.3 |
| 177.5° | 1321.2 | 1323.3 | 1323.3 | 1323.3 | 1323.3 |
| 180°   | 1323.3 | 1323.3 | 1323.3 | 1323.3 | 1323.3 |



TEST NUMBER: P934880  
 CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-4000K

**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 | 13.98            | 14.89 | 14.90 | 15.82 | 17.02 | 16.83          | 17.74 | 17.75 | 18.67 | 19.87 |
|                 | 3H   | 14.46            | 15.27 | 15.39 | 16.22 | 17.44 | 18.19          | 19.00 | 19.11 | 19.94 | 21.17 |
|                 | 4H   | 14.65            | 15.42 | 15.60 | 16.37 | 17.60 | 18.64          | 19.41 | 19.58 | 20.35 | 21.59 |
|                 | 6H   | 14.78            | 15.48 | 15.73 | 16.44 | 17.68 | 18.93          | 19.64 | 19.88 | 20.59 | 21.84 |
|                 | 8H   | 14.78            | 15.45 | 15.74 | 16.42 | 17.67 | 19.01          | 19.68 | 19.97 | 20.65 | 21.90 |
|                 | 12H  | 14.75            | 15.39 | 15.72 | 16.36 | 17.63 | 19.05          | 19.69 | 20.02 | 20.66 | 21.93 |
| 4H              | 2H   | 15.02            | 15.79 | 15.97 | 16.74 | 17.97 | 17.25          | 18.01 | 18.19 | 18.96 | 20.20 |
|                 | 3H   | 16.06            | 16.69 | 17.01 | 17.67 | 18.92 | 18.76          | 19.40 | 19.72 | 20.38 | 21.63 |
|                 | 4H   | 16.33            | 16.92 | 17.30 | 17.89 | 19.16 | 19.30          | 19.88 | 20.26 | 20.85 | 22.13 |
|                 | 6H   | 16.46            | 16.96 | 17.44 | 17.96 | 19.23 | 19.67          | 20.17 | 20.65 | 21.17 | 22.44 |
|                 | 8H   | 16.47            | 16.94 | 17.45 | 17.93 | 19.21 | 19.78          | 20.25 | 20.76 | 21.24 | 22.53 |
|                 | 12H  | 16.44            | 16.86 | 17.44 | 17.87 | 19.16 | 19.84          | 20.27 | 20.84 | 21.27 | 22.57 |
| 8H              | 4H   | 16.79            | 17.26 | 17.78 | 18.25 | 19.54 | 19.42          | 19.89 | 20.41 | 20.88 | 22.17 |
|                 | 6H   | 17.06            | 17.45 | 18.06 | 18.48 | 19.76 | 19.87          | 20.26 | 20.87 | 21.29 | 22.57 |
|                 | 8H   | 17.10            | 17.44 | 18.12 | 18.46 | 19.77 | 20.02          | 20.37 | 21.04 | 21.39 | 22.69 |
|                 | 12H  | 17.09            | 17.39 | 18.11 | 18.40 | 19.75 | 20.13          | 20.43 | 21.15 | 21.44 | 22.79 |
| 12H             | 4H   | 16.80            | 17.23 | 17.80 | 18.23 | 19.53 | 19.39          | 19.81 | 20.39 | 20.82 | 22.11 |
|                 | 6H   | 17.12            | 17.46 | 18.13 | 18.48 | 19.78 | 19.87          | 20.21 | 20.88 | 21.23 | 22.53 |
|                 | 8H   | 17.19            | 17.49 | 18.21 | 18.50 | 19.85 | 20.03          | 20.33 | 21.05 | 21.35 | 22.70 |