

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: P935096

Luminaire Tested: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-8-5000K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P935096  
REPORT IS A COMBINATION OF REPORTS P933740 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-8-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

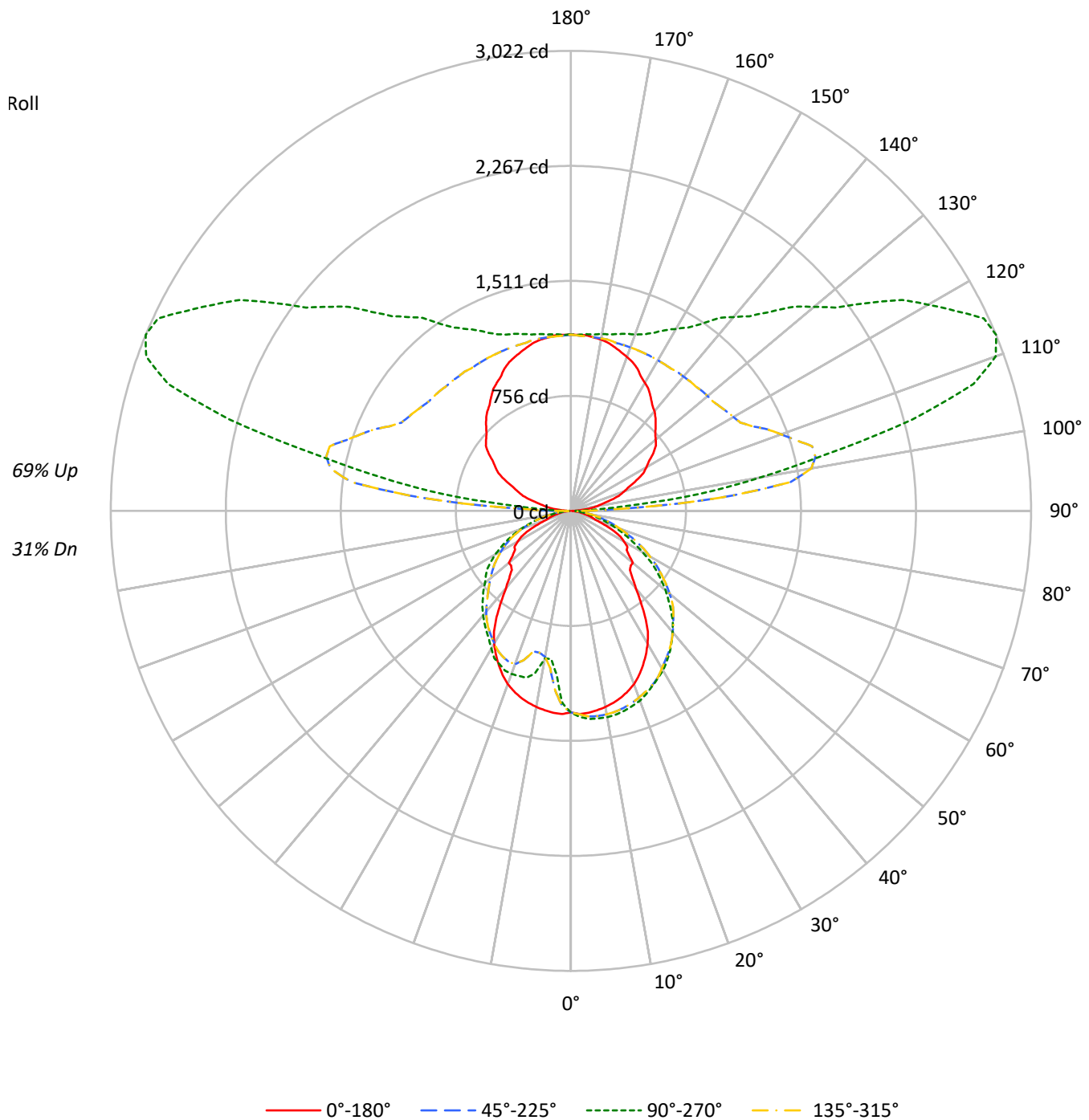
Lumens per Lamp: N/A  
Luminaire Lumens: 10942.8 lumens  
Efficiency: N/A  
Efficacy: 132.8 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: Semi-Indirect

Input Watts (W): 82.4  
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: P935096

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-8-5000K

### Luminous Intensity Polar Plot



TEST NUMBER: P935096

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-8-5000K

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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    | 20 |
| RC  | 80  |     |     |     | 70 |    |    |    | 50 |    |    |    | 30 |    |    |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 103 | 103 | 103 | 103 | 92 | 92 | 92 | 92 | 73 | 73 | 73 | 55 | 55 | 55 | 39 | 39 | 39 |
| 1   | 94  | 89  | 86  | 82  | 84 | 81 | 77 | 75 | 64 | 62 | 60 | 49 | 47 | 46 | 35 | 34 | 33 |
| 2   | 85  | 78  | 72  | 67  | 76 | 70 | 65 | 61 | 56 | 53 | 50 | 43 | 40 | 38 | 30 | 29 | 28 |
| 3   | 78  | 69  | 62  | 56  | 70 | 62 | 56 | 51 | 49 | 45 | 42 | 38 | 35 | 32 | 27 | 25 | 24 |
| 4   | 71  | 61  | 53  | 47  | 64 | 55 | 48 | 43 | 44 | 39 | 35 | 34 | 30 | 28 | 24 | 22 | 20 |
| 5   | 65  | 54  | 46  | 40  | 58 | 49 | 42 | 37 | 39 | 34 | 30 | 30 | 27 | 24 | 22 | 19 | 18 |
| 6   | 60  | 48  | 40  | 35  | 54 | 44 | 37 | 32 | 35 | 30 | 26 | 27 | 24 | 21 | 20 | 17 | 15 |
| 7   | 55  | 43  | 36  | 30  | 49 | 39 | 33 | 28 | 32 | 27 | 23 | 25 | 21 | 18 | 18 | 15 | 14 |
| 8   | 51  | 39  | 32  | 27  | 46 | 36 | 29 | 24 | 29 | 24 | 20 | 22 | 19 | 16 | 16 | 14 | 12 |
| 9   | 47  | 36  | 28  | 23  | 43 | 32 | 26 | 22 | 26 | 21 | 18 | 20 | 17 | 15 | 15 | 13 | 11 |
| 10  | 44  | 33  | 26  | 21  | 40 | 30 | 23 | 19 | 24 | 19 | 16 | 19 | 15 | 13 | 14 | 12 | 10 |

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

|     | 0°   | 90°  | 180° | 270° |
|-----|------|------|------|------|
| 0°  | 6144 | 6144 | 6144 | 6144 |
| 5°  | 6190 | 6202 | 6190 | 4877 |
| 10° | 6148 | 6109 | 6148 | 4367 |
| 15° | 6081 | 5977 | 6081 | 4991 |
| 20° | 5954 | 5820 | 5954 | 5001 |
| 25° | 5694 | 5591 | 5694 | 4895 |
| 30° | 5357 | 5402 | 5357 | 4663 |
| 35° | 4776 | 5161 | 4776 | 4406 |
| 40° | 3980 | 4878 | 3980 | 4214 |
| 45° | 3556 | 4547 | 3556 | 3992 |
| 50° | 3778 | 4153 | 3778 | 3768 |
| 55° | 3554 | 3728 | 3554 | 3639 |
| 60° | 3664 | 3166 | 3664 | 3333 |
| 65° | 3321 | 2617 | 3321 | 2925 |
| 70° | 2300 | 2086 | 2300 | 2452 |
| 75° | 2018 | 1542 | 2018 | 1847 |
| 80° | 1624 | 1019 | 1624 | 1109 |
| 85° | 936  | 541  | 936  | 459  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 5450 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 119.5   | 1.1       |
| 10°-20°   | 339.4   | 3.1       |
| 20°-30°   | 524.6   | 4.8       |
| 30°-40°   | 626.3   | 5.7       |
| 40°-50°   | 630.0   | 5.8       |
| 50°-60°   | 548.1   | 5.0       |
| 60°-70°   | 388.6   | 3.6       |
| 70°-80°   | 205.6   | 1.9       |
| 80°-90°   | 55.6    | 0.5       |
| 90°-100°  | 564.3   | 5.2       |
| 100°-110° | 1483.6  | 13.6      |
| 110°-120° | 1538.4  | 14.1      |
| 120°-130° | 1234.0  | 11.3      |
| 130°-140° | 968.2   | 8.8       |
| 140°-150° | 743.1   | 6.8       |
| 150°-160° | 535.2   | 4.9       |
| 160°-170° | 327.5   | 3.0       |
| 170°-180° | 110.6   | 1.0       |
| 0°-30°    | 983.5   | 9.0       |
| 0°-40°    | 1609.8  | 14.7      |
| 0°-60°    | 2787.9  | 25.5      |
| 0°-90°    | 3437.8  | 31.4      |
| 90°-120°  | 3586.3  | 32.8      |
| 90°-150°  | 6531.7  | 59.7      |
| 90°-180°  | 7505.0  | 68.6      |
| 0°-180°   | 10942.8 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1324 | 1324 | 1324 | 1324 | 1324 |      |
| 5°   | 1330 | 1372 | 1330 | 1079 | 1330 | 126  |
| 15°  | 1270 | 1359 | 1270 | 1135 | 1270 | 357  |
| 25°  | 1119 | 1268 | 1119 | 1110 | 1119 | 514  |
| 35°  | 851  | 1131 | 851  | 966  | 851  | 526  |
| 45°  | 549  | 932  | 549  | 818  | 549  | 440  |
| 55°  | 447  | 688  | 447  | 672  | 447  | 411  |
| 65°  | 311  | 415  | 311  | 464  | 311  | 297  |
| 75°  | 118  | 197  | 118  | 236  | 118  | 124  |
| 85°  | 20   | 50   | 20   | 43   | 20   | 27   |
| 90°  | 8    | 30   | 8    | 30   | 8    | 7    |
| 95°  | 75   | 341  | 75   | 341  | 75   | 83   |
| 105° | 267  | 2323 | 267  | 2323 | 267  | 283  |
| 115° | 475  | 2991 | 475  | 2991 | 475  | 469  |
| 125° | 660  | 2382 | 660  | 2382 | 660  | 586  |
| 135° | 787  | 1848 | 787  | 1848 | 787  | 609  |
| 145° | 913  | 1500 | 913  | 1500 | 913  | 572  |
| 155° | 1032 | 1291 | 1032 | 1291 | 1032 | 474  |
| 165° | 1113 | 1203 | 1113 | 1203 | 1113 | 314  |
| 175° | 1158 | 1165 | 1158 | 1165 | 1158 | 110  |
| 180° | 1158 | 1158 | 1158 | 1158 | 1158 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 |
| 2.5°   | 1335.4 | 1335.4 | 1343.0 | 1345.5 | 1345.5 | 1341.7 | 1338.0 | 1341.7 | 1353.0 | 1356.7 | 1355.5 |
| 5°     | 1330.5 | 1340.5 | 1354.3 | 1356.7 | 1359.3 | 1358.0 | 1355.5 | 1358.0 | 1370.6 | 1373.1 | 1374.3 |
| 7.5°   | 1320.4 | 1339.3 | 1356.7 | 1360.6 | 1364.3 | 1360.6 | 1359.3 | 1361.8 | 1374.3 | 1376.8 | 1376.8 |
| 10°    | 1307.9 | 1334.2 | 1354.3 | 1356.7 | 1360.6 | 1356.7 | 1356.7 | 1361.8 | 1374.3 | 1376.8 | 1378.0 |
| 12.5°  | 1290.3 | 1326.7 | 1345.5 | 1347.9 | 1353.0 | 1351.8 | 1350.5 | 1355.5 | 1368.0 | 1370.6 | 1370.6 |
| 15°    | 1270.3 | 1312.9 | 1330.5 | 1332.9 | 1341.7 | 1339.3 | 1339.3 | 1344.2 | 1358.0 | 1361.8 | 1360.6 |
| 17.5°  | 1242.8 | 1295.4 | 1315.4 | 1319.2 | 1325.4 | 1324.2 | 1325.4 | 1330.5 | 1343.0 | 1345.5 | 1346.7 |
| 20°    | 1211.4 | 1271.5 | 1295.4 | 1299.1 | 1305.4 | 1305.4 | 1305.4 | 1311.6 | 1324.2 | 1329.2 | 1329.2 |
| 22.5°  | 1168.8 | 1246.5 | 1271.5 | 1274.1 | 1281.6 | 1281.6 | 1284.1 | 1292.8 | 1304.1 | 1305.4 | 1305.4 |
| 25°    | 1118.7 | 1219.0 | 1240.3 | 1247.7 | 1255.3 | 1259.0 | 1262.8 | 1267.8 | 1271.5 | 1270.3 | 1271.5 |
| 27.5°  | 1066.2 | 1183.8 | 1211.4 | 1216.4 | 1226.4 | 1230.3 | 1235.2 | 1236.5 | 1237.7 | 1241.5 | 1239.0 |
| 30°    | 1007.2 | 1135.0 | 1176.4 | 1181.4 | 1197.7 | 1200.2 | 1195.1 | 1197.7 | 1203.9 | 1206.4 | 1209.0 |
| 32.5°  | 940.8  | 1062.3 | 1140.0 | 1151.3 | 1166.4 | 1158.8 | 1157.6 | 1161.3 | 1171.3 | 1171.3 | 1173.9 |
| 35°    | 850.6  | 1006.0 | 1106.2 | 1116.2 | 1127.5 | 1118.7 | 1123.8 | 1125.0 | 1131.3 | 1135.0 | 1133.8 |
| 37.5°  | 751.7  | 957.2  | 1071.1 | 1078.7 | 1087.5 | 1076.2 | 1083.6 | 1087.5 | 1092.4 | 1089.9 | 1089.9 |
| 40°    | 664.0  | 880.7  | 1029.8 | 1034.8 | 1042.3 | 1033.6 | 1041.0 | 1043.6 | 1046.1 | 1043.6 | 1042.3 |
| 42.5°  | 598.8  | 796.8  | 985.9  | 992.2  | 987.1  | 993.5  | 995.9  | 1001.0 | 997.2  | 992.2  | 992.2  |
| 45°    | 548.7  | 774.2  | 938.3  | 945.9  | 938.3  | 948.4  | 952.1  | 952.1  | 940.8  | 938.3  | 937.1  |
| 47.5°  | 532.5  | 729.1  | 890.8  | 890.8  | 886.9  | 899.5  | 905.8  | 897.0  | 885.7  | 882.0  | 882.0  |
| 50°    | 531.2  | 679.0  | 825.6  | 820.6  | 838.1  | 853.1  | 846.9  | 838.1  | 829.3  | 815.6  | 815.6  |
| 52.5°  | 482.3  | 617.7  | 741.7  | 760.5  | 788.0  | 796.8  | 786.7  | 778.0  | 763.0  | 756.6  | 751.7  |
| 55°    | 447.2  | 553.8  | 665.2  | 702.8  | 731.6  | 742.9  | 724.1  | 715.4  | 692.7  | 689.0  | 686.5  |
| 57.5°  | 439.7  | 461.0  | 595.1  | 642.7  | 677.7  | 676.5  | 665.2  | 648.9  | 630.2  | 626.4  | 625.1  |
| 60°    | 403.4  | 333.3  | 519.9  | 576.3  | 612.6  | 608.9  | 598.8  | 583.8  | 566.3  | 563.8  | 561.2  |
| 62.5°  | 365.8  | 241.8  | 434.7  | 498.6  | 549.9  | 548.7  | 539.9  | 517.4  | 504.8  | 498.6  | 493.6  |
| 65°    | 310.6  | 203.0  | 309.4  | 414.7  | 488.6  | 491.1  | 472.3  | 456.0  | 442.2  | 434.7  | 433.5  |
| 67.5°  | 236.8  | 165.4  | 209.2  | 345.8  | 429.7  | 427.2  | 403.4  | 395.9  | 378.4  | 374.6  | 367.1  |
| 70°    | 175.4  | 110.2  | 145.3  | 280.7  | 372.1  | 365.8  | 347.0  | 338.3  | 321.9  | 313.2  | 308.2  |
| 72.5°  | 145.3  | 88.9   | 106.5  | 218.0  | 313.2  | 305.7  | 289.4  | 279.4  | 265.6  | 258.1  | 253.0  |
| 75°    | 117.8  | 94.0   | 81.4   | 161.6  | 254.3  | 249.3  | 234.2  | 224.3  | 213.0  | 203.0  | 204.2  |
| 77.5°  | 86.5   | 87.7   | 65.1   | 119.0  | 201.7  | 194.2  | 185.4  | 172.9  | 167.8  | 157.8  | 157.8  |
| 80°    | 65.1   | 68.9   | 48.8   | 81.4   | 145.3  | 145.3  | 137.8  | 129.1  | 120.3  | 115.3  | 115.3  |
| 82.5°  | 43.8   | 43.8   | 36.3   | 51.4   | 99.0   | 95.2   | 90.2   | 87.7   | 82.7   | 80.1   | 80.1   |
| 85°    | 20.1   | 25.0   | 22.5   | 31.3   | 53.9   | 56.4   | 56.4   | 53.9   | 52.6   | 50.2   | 51.4   |
| 87.5°  | 6.3    | 11.3   | 13.8   | 17.6   | 27.6   | 28.9   | 30.1   | 30.1   | 30.1   | 31.3   | 31.3   |
| 90°    | 7.8    | 14.0   | 20.2   | 21.8   | 34.2   | 50.7   | 59.0   | 52.5   | 39.3   | 29.5   | 29.5   |
| 92.5°  | 31.1   | 84.0   | 136.8  | 150.0  | 210.8  | 292.0  | 332.5  | 291.4  | 209.3  | 147.7  | 141.8  |
| 95°    | 74.6   | 171.3  | 268.0  | 292.2  | 518.7  | 820.9  | 972.0  | 867.4  | 658.1  | 501.2  | 483.4  |
| 97.5°  | 129.0  | 214.3  | 299.6  | 320.9  | 698.8  | 1202.6 | 1454.5 | 1388.4 | 1256.1 | 1156.9 | 1123.1 |
| 100°   | 170.9  | 248.3  | 325.7  | 345.0  | 764.3  | 1323.4 | 1602.9 | 1607.8 | 1617.4 | 1624.7 | 1584.3 |
| 102.5° | 206.7  | 278.8  | 351.0  | 369.0  | 794.3  | 1361.3 | 1644.9 | 1729.1 | 1897.7 | 2024.1 | 1989.5 |
| 105°   | 267.3  | 328.4  | 389.5  | 404.8  | 816.6  | 1365.7 | 1640.2 | 1829.1 | 2206.9 | 2490.2 | 2471.6 |
| 107.5° | 329.4  | 386.4  | 443.4  | 457.7  | 820.8  | 1304.9 | 1547.0 | 1810.5 | 2337.4 | 2732.6 | 2737.1 |
| 110°   | 371.4  | 422.8  | 474.3  | 487.2  | 814.5  | 1251.0 | 1469.3 | 1763.9 | 2352.9 | 2794.8 | 2814.1 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 412.5  | 461.6  | 510.7  | 522.9  | 814.8  | 1204.0 | 1398.6 | 1700.1 | 2303.0 | 2755.2 | 2784.9 |
| 115°   | 474.8  | 520.0  | 565.3  | 576.6  | 822.3  | 1150.0 | 1313.9 | 1604.3 | 2185.2 | 2620.8 | 2662.0 |
| 117.5° | 536.1  | 577.2  | 618.3  | 628.6  | 837.6  | 1116.2 | 1255.6 | 1517.7 | 2041.9 | 2435.0 | 2480.7 |
| 120°   | 571.9  | 610.6  | 649.2  | 658.8  | 850.0  | 1104.9 | 1232.3 | 1471.8 | 1950.8 | 2310.0 | 2354.3 |
| 122.5° | 606.8  | 645.9  | 684.9  | 694.6  | 867.9  | 1098.9 | 1214.4 | 1430.0 | 1861.4 | 2184.9 | 2228.7 |
| 125°   | 660.4  | 696.0  | 731.6  | 740.5  | 892.0  | 1094.0 | 1195.0 | 1378.2 | 1744.6 | 2019.4 | 2059.8 |
| 127.5° | 704.0  | 739.8  | 775.8  | 784.7  | 916.1  | 1091.2 | 1178.7 | 1336.0 | 1650.6 | 1886.5 | 1920.5 |
| 130°   | 727.2  | 765.9  | 804.5  | 814.3  | 933.6  | 1092.9 | 1172.5 | 1312.5 | 1592.6 | 1802.6 | 1834.0 |
| 132.5° | 751.3  | 790.0  | 828.6  | 838.4  | 947.9  | 1094.0 | 1167.0 | 1292.4 | 1543.1 | 1731.1 | 1759.2 |
| 135°   | 787.1  | 822.3  | 857.6  | 866.4  | 963.5  | 1093.0 | 1157.7 | 1262.7 | 1472.6 | 1630.1 | 1654.4 |
| 137.5° | 823.6  | 858.4  | 893.4  | 902.1  | 986.8  | 1099.7 | 1156.1 | 1244.8 | 1422.4 | 1555.5 | 1575.4 |
| 140°   | 853.9  | 886.0  | 918.1  | 926.2  | 1001.0 | 1100.8 | 1150.7 | 1227.4 | 1380.7 | 1495.7 | 1514.3 |
| 142.5° | 877.2  | 906.9  | 936.6  | 944.0  | 1012.9 | 1104.7 | 1150.7 | 1218.0 | 1352.7 | 1453.8 | 1469.7 |
| 145°   | 913.0  | 938.9  | 964.8  | 971.3  | 1028.5 | 1104.8 | 1142.9 | 1198.0 | 1308.2 | 1390.8 | 1402.9 |
| 147.5° | 948.7  | 973.9  | 999.1  | 1005.5 | 1051.3 | 1112.4 | 1142.9 | 1186.3 | 1272.9 | 1338.0 | 1347.9 |
| 150°   | 972.0  | 994.8  | 1017.6 | 1023.3 | 1063.2 | 1116.3 | 1142.9 | 1179.5 | 1252.8 | 1307.7 | 1315.8 |
| 152.5° | 996.1  | 1013.4 | 1030.7 | 1035.0 | 1070.9 | 1118.9 | 1142.9 | 1174.2 | 1236.7 | 1283.6 | 1289.8 |
| 155°   | 1031.8 | 1044.6 | 1057.4 | 1060.6 | 1088.0 | 1124.6 | 1142.9 | 1167.8 | 1217.6 | 1254.8 | 1258.8 |
| 157.5° | 1058.2 | 1070.6 | 1083.2 | 1086.2 | 1105.1 | 1130.3 | 1142.9 | 1162.3 | 1200.9 | 1230.0 | 1232.8 |
| 160°   | 1076.2 | 1085.9 | 1095.5 | 1097.9 | 1113.0 | 1132.9 | 1142.9 | 1159.6 | 1192.7 | 1217.6 | 1219.2 |
| 162.5° | 1094.0 | 1101.3 | 1108.6 | 1110.3 | 1121.2 | 1135.7 | 1142.9 | 1156.9 | 1184.9 | 1205.9 | 1207.5 |
| 165°   | 1113.4 | 1120.0 | 1126.5 | 1128.2 | 1133.1 | 1139.7 | 1142.9 | 1152.9 | 1173.0 | 1188.0 | 1189.7 |
| 167.5° | 1131.3 | 1134.3 | 1137.5 | 1138.3 | 1142.4 | 1147.9 | 1150.7 | 1157.2 | 1170.4 | 1180.2 | 1180.9 |
| 170°   | 1142.9 | 1146.0 | 1149.2 | 1149.9 | 1150.2 | 1150.5 | 1150.7 | 1157.2 | 1170.4 | 1180.2 | 1180.2 |
| 172.5° | 1149.2 | 1149.8 | 1150.5 | 1150.7 | 1150.7 | 1150.7 | 1150.7 | 1155.9 | 1166.3 | 1174.0 | 1173.5 |
| 175°   | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1155.4 | 1152.3 | 1150.7 | 1154.0 | 1160.5 | 1165.4 | 1165.4 |
| 177.5° | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1155.9 | 1153.5 | 1152.3 | 1154.9 | 1160.0 | 1164.0 | 1163.3 |
| 180°   | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 |

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CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 |
| 2.5°   | 1358.0 | 1354.3 | 1358.0 | 1355.5 | 1356.7 | 1353.0 | 1341.7 | 1338.0 | 1341.7 | 1345.5 | 1345.5 |
| 5°     | 1374.3 | 1371.8 | 1374.3 | 1374.3 | 1373.1 | 1370.6 | 1358.0 | 1355.5 | 1358.0 | 1359.3 | 1356.7 |
| 7.5°   | 1379.3 | 1375.6 | 1379.3 | 1376.8 | 1376.8 | 1374.3 | 1361.8 | 1359.3 | 1360.6 | 1364.3 | 1360.6 |
| 10°    | 1379.3 | 1375.6 | 1379.3 | 1378.0 | 1376.8 | 1374.3 | 1361.8 | 1356.7 | 1356.7 | 1360.6 | 1356.7 |
| 12.5°  | 1373.1 | 1370.6 | 1373.1 | 1370.6 | 1370.6 | 1368.0 | 1355.5 | 1350.5 | 1351.8 | 1353.0 | 1347.9 |
| 15°    | 1363.0 | 1359.3 | 1363.0 | 1360.6 | 1361.8 | 1358.0 | 1344.2 | 1339.3 | 1339.3 | 1341.7 | 1332.9 |
| 17.5°  | 1347.9 | 1343.0 | 1347.9 | 1346.7 | 1345.5 | 1343.0 | 1330.5 | 1325.4 | 1324.2 | 1325.4 | 1319.2 |
| 20°    | 1330.5 | 1326.7 | 1330.5 | 1329.2 | 1329.2 | 1324.2 | 1311.6 | 1305.4 | 1305.4 | 1305.4 | 1299.1 |
| 22.5°  | 1302.9 | 1299.1 | 1302.9 | 1305.4 | 1305.4 | 1304.1 | 1292.8 | 1284.1 | 1281.6 | 1281.6 | 1274.1 |
| 25°    | 1271.5 | 1267.8 | 1271.5 | 1271.5 | 1270.3 | 1271.5 | 1267.8 | 1262.8 | 1259.0 | 1255.3 | 1247.7 |
| 27.5°  | 1241.5 | 1239.0 | 1241.5 | 1239.0 | 1241.5 | 1237.7 | 1236.5 | 1235.2 | 1230.3 | 1226.4 | 1216.4 |
| 30°    | 1211.4 | 1209.0 | 1211.4 | 1209.0 | 1206.4 | 1203.9 | 1197.7 | 1195.1 | 1200.2 | 1197.7 | 1181.4 |
| 32.5°  | 1173.9 | 1171.3 | 1173.9 | 1173.9 | 1171.3 | 1171.3 | 1161.3 | 1157.6 | 1158.8 | 1166.4 | 1151.3 |
| 35°    | 1135.0 | 1131.3 | 1135.0 | 1133.8 | 1135.0 | 1131.3 | 1125.0 | 1123.8 | 1118.7 | 1127.5 | 1116.2 |
| 37.5°  | 1089.9 | 1086.1 | 1089.9 | 1089.9 | 1089.9 | 1092.4 | 1087.5 | 1083.6 | 1076.2 | 1087.5 | 1078.7 |
| 40°    | 1043.6 | 1038.5 | 1043.6 | 1042.3 | 1043.6 | 1046.1 | 1043.6 | 1041.0 | 1033.6 | 1042.3 | 1034.8 |
| 42.5°  | 991.0  | 989.7  | 991.0  | 992.2  | 992.2  | 997.2  | 1001.0 | 995.9  | 993.5  | 987.1  | 992.2  |
| 45°    | 934.6  | 932.0  | 934.6  | 937.1  | 938.3  | 940.8  | 952.1  | 952.1  | 948.4  | 938.3  | 945.9  |
| 47.5°  | 874.4  | 868.2  | 874.4  | 882.0  | 882.0  | 885.7  | 897.0  | 905.8  | 899.5  | 886.9  | 890.8  |
| 50°    | 810.5  | 811.8  | 810.5  | 815.6  | 815.6  | 829.3  | 838.1  | 846.9  | 853.1  | 838.1  | 820.6  |
| 52.5°  | 747.9  | 746.6  | 747.9  | 751.7  | 756.6  | 763.0  | 778.0  | 786.7  | 796.8  | 788.0  | 760.5  |
| 55°    | 685.3  | 687.8  | 685.3  | 686.5  | 689.0  | 692.7  | 715.4  | 724.1  | 742.9  | 731.6  | 702.8  |
| 57.5°  | 622.6  | 618.9  | 622.6  | 625.1  | 626.4  | 630.2  | 648.9  | 665.2  | 676.5  | 677.7  | 642.7  |
| 60°    | 549.9  | 545.0  | 549.9  | 561.2  | 563.8  | 566.3  | 583.8  | 598.8  | 608.9  | 612.6  | 576.3  |
| 62.5°  | 486.1  | 477.3  | 486.1  | 493.6  | 498.6  | 504.8  | 517.4  | 539.9  | 548.7  | 549.9  | 498.6  |
| 65°    | 418.4  | 414.7  | 418.4  | 433.5  | 434.7  | 442.2  | 456.0  | 472.3  | 491.1  | 488.6  | 414.7  |
| 67.5°  | 357.1  | 357.1  | 357.1  | 367.1  | 374.6  | 378.4  | 395.9  | 403.4  | 427.2  | 429.7  | 345.8  |
| 70°    | 300.7  | 299.4  | 300.7  | 308.2  | 313.2  | 321.9  | 338.3  | 347.0  | 365.8  | 372.1  | 280.7  |
| 72.5°  | 246.8  | 245.5  | 246.8  | 253.0  | 258.1  | 265.6  | 279.4  | 289.4  | 305.7  | 313.2  | 218.0  |
| 75°    | 199.2  | 196.7  | 199.2  | 204.2  | 203.0  | 213.0  | 224.3  | 234.2  | 249.3  | 254.3  | 161.6  |
| 77.5°  | 152.8  | 152.8  | 152.8  | 157.8  | 157.8  | 167.8  | 172.9  | 185.4  | 194.2  | 201.7  | 119.0  |
| 80°    | 114.0  | 112.7  | 114.0  | 115.3  | 115.3  | 120.3  | 129.1  | 137.8  | 145.3  | 145.3  | 81.4   |
| 82.5°  | 80.1   | 77.7   | 80.1   | 80.1   | 80.1   | 82.7   | 87.7   | 90.2   | 95.2   | 99.0   | 51.4   |
| 85°    | 50.2   | 50.2   | 50.2   | 51.4   | 50.2   | 52.6   | 53.9   | 56.4   | 56.4   | 53.9   | 31.3   |
| 87.5°  | 32.6   | 31.3   | 32.6   | 31.3   | 31.3   | 30.1   | 30.1   | 30.1   | 28.9   | 27.6   | 17.6   |
| 90°    | 29.5   | 29.5   | 29.5   | 29.5   | 29.5   | 39.3   | 52.5   | 59.0   | 50.7   | 34.2   | 21.8   |
| 92.5°  | 118.3  | 94.8   | 118.3  | 141.8  | 147.7  | 209.3  | 291.4  | 332.5  | 292.0  | 210.8  | 150.0  |
| 95°    | 412.3  | 341.1  | 412.3  | 483.4  | 501.2  | 658.1  | 867.4  | 972.0  | 820.9  | 518.7  | 292.2  |
| 97.5°  | 987.7  | 852.4  | 987.7  | 1123.1 | 1156.9 | 1256.1 | 1388.4 | 1454.5 | 1202.6 | 698.8  | 320.9  |
| 100°   | 1423.1 | 1261.8 | 1423.1 | 1584.3 | 1624.7 | 1617.4 | 1607.8 | 1602.9 | 1323.4 | 764.3  | 345.0  |
| 102.5° | 1851.4 | 1713.2 | 1851.4 | 1989.5 | 2024.1 | 1897.7 | 1729.1 | 1644.9 | 1361.3 | 794.3  | 369.0  |
| 105°   | 2397.4 | 2323.1 | 2397.4 | 2471.6 | 2490.2 | 2206.9 | 1829.1 | 1640.2 | 1365.7 | 816.6  | 404.8  |
| 107.5° | 2755.1 | 2773.0 | 2755.1 | 2737.1 | 2732.6 | 2337.4 | 1810.5 | 1547.0 | 1304.9 | 820.8  | 457.7  |
| 110°   | 2891.5 | 2968.8 | 2891.5 | 2814.1 | 2794.8 | 2352.9 | 1763.9 | 1469.3 | 1251.0 | 814.5  | 487.2  |

TEST NUMBER: P935096

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 2903.6 | 3022.4 | 2903.6 | 2784.9 | 2755.2 | 2303.0 | 1700.1 | 1398.6 | 1204.0 | 814.8  | 522.9  |
| 115°   | 2826.7 | 2991.4 | 2826.7 | 2662.0 | 2620.8 | 2185.2 | 1604.3 | 1313.9 | 1150.0 | 822.3  | 576.6  |
| 117.5° | 2663.4 | 2846.1 | 2663.4 | 2480.7 | 2435.0 | 2041.9 | 1517.7 | 1255.6 | 1116.2 | 837.6  | 628.6  |
| 120°   | 2531.9 | 2709.3 | 2531.9 | 2354.3 | 2310.0 | 1950.8 | 1471.8 | 1232.3 | 1104.9 | 850.0  | 658.8  |
| 122.5° | 2403.7 | 2578.8 | 2403.7 | 2228.7 | 2184.9 | 1861.4 | 1430.0 | 1214.4 | 1098.9 | 867.9  | 694.6  |
| 125°   | 2221.0 | 2382.3 | 2221.0 | 2059.8 | 2019.4 | 1744.6 | 1378.2 | 1195.0 | 1094.0 | 892.0  | 740.5  |
| 127.5° | 2056.6 | 2192.7 | 2056.6 | 1920.5 | 1886.5 | 1650.6 | 1336.0 | 1178.7 | 1091.2 | 916.1  | 784.7  |
| 130°   | 1959.7 | 2085.4 | 1959.7 | 1834.0 | 1802.6 | 1592.6 | 1312.5 | 1172.5 | 1092.9 | 933.6  | 814.3  |
| 132.5° | 1871.8 | 1984.4 | 1871.8 | 1759.2 | 1731.1 | 1543.1 | 1292.4 | 1167.0 | 1094.0 | 947.9  | 838.4  |
| 135°   | 1751.4 | 1848.5 | 1751.4 | 1654.4 | 1630.1 | 1472.6 | 1262.7 | 1157.7 | 1093.0 | 963.5  | 866.4  |
| 137.5° | 1654.8 | 1734.3 | 1654.8 | 1575.4 | 1555.5 | 1422.4 | 1244.8 | 1156.1 | 1099.7 | 986.8  | 902.1  |
| 140°   | 1588.5 | 1662.7 | 1588.5 | 1514.3 | 1495.7 | 1380.7 | 1227.4 | 1150.7 | 1100.8 | 1001.0 | 926.2  |
| 142.5° | 1533.6 | 1597.5 | 1533.6 | 1469.7 | 1453.8 | 1352.7 | 1218.0 | 1150.7 | 1104.7 | 1012.9 | 944.0  |
| 145°   | 1451.2 | 1499.5 | 1451.2 | 1402.9 | 1390.8 | 1308.2 | 1198.0 | 1142.9 | 1104.8 | 1028.5 | 971.3  |
| 147.5° | 1388.0 | 1428.1 | 1388.0 | 1347.9 | 1338.0 | 1272.9 | 1186.3 | 1142.9 | 1112.4 | 1051.3 | 1005.5 |
| 150°   | 1348.2 | 1380.7 | 1348.2 | 1315.8 | 1307.7 | 1252.8 | 1179.5 | 1142.9 | 1116.3 | 1063.2 | 1023.3 |
| 152.5° | 1314.2 | 1338.7 | 1314.2 | 1289.8 | 1283.6 | 1236.7 | 1174.2 | 1142.9 | 1118.9 | 1070.9 | 1035.0 |
| 155°   | 1275.1 | 1291.3 | 1275.1 | 1258.8 | 1254.8 | 1217.6 | 1167.8 | 1142.9 | 1124.6 | 1088.0 | 1060.6 |
| 157.5° | 1244.2 | 1255.6 | 1244.2 | 1232.8 | 1230.0 | 1200.9 | 1162.3 | 1142.9 | 1130.3 | 1105.1 | 1086.2 |
| 160°   | 1225.8 | 1232.3 | 1225.8 | 1219.2 | 1217.6 | 1192.7 | 1159.6 | 1142.9 | 1132.9 | 1113.0 | 1097.9 |
| 162.5° | 1213.6 | 1219.9 | 1213.6 | 1207.5 | 1205.9 | 1184.9 | 1156.9 | 1142.9 | 1135.7 | 1121.2 | 1110.3 |
| 165°   | 1196.3 | 1202.8 | 1196.3 | 1189.7 | 1188.0 | 1173.0 | 1152.9 | 1142.9 | 1139.7 | 1133.1 | 1128.2 |
| 167.5° | 1183.7 | 1186.5 | 1183.7 | 1180.9 | 1180.2 | 1170.4 | 1157.2 | 1150.7 | 1147.9 | 1142.4 | 1138.3 |
| 170°   | 1180.2 | 1180.2 | 1180.2 | 1180.2 | 1180.2 | 1170.4 | 1157.2 | 1150.7 | 1150.5 | 1150.2 | 1149.9 |
| 172.5° | 1171.0 | 1168.6 | 1171.0 | 1173.5 | 1174.0 | 1166.3 | 1155.9 | 1150.7 | 1150.7 | 1150.7 | 1150.7 |
| 175°   | 1165.4 | 1165.4 | 1165.4 | 1165.4 | 1165.4 | 1160.5 | 1154.0 | 1150.7 | 1152.3 | 1155.4 | 1157.7 |
| 177.5° | 1160.5 | 1157.7 | 1160.5 | 1163.3 | 1164.0 | 1160.0 | 1154.9 | 1152.3 | 1153.5 | 1155.9 | 1157.7 |
| 180°   | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 |

TEST NUMBER: P935096

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 |
| 2.5°   | 1343.0 | 1335.4 | 1335.4 | 1322.9 | 1318.0 | 1314.1 | 1307.9 | 1289.1 | 1284.1 | 1279.1 | 1286.6 |
| 5°     | 1354.3 | 1340.5 | 1330.5 | 1307.9 | 1289.1 | 1281.6 | 1257.8 | 1212.7 | 1182.6 | 1160.0 | 1147.5 |
| 7.5°   | 1356.7 | 1339.3 | 1320.4 | 1285.4 | 1240.3 | 1220.2 | 1147.5 | 1064.9 | 1042.3 | 1022.3 | 1009.7 |
| 10°    | 1354.3 | 1334.2 | 1307.9 | 1255.3 | 1148.8 | 1113.7 | 1041.0 | 987.1  | 973.4  | 969.7  | 973.4  |
| 12.5°  | 1345.5 | 1326.7 | 1290.3 | 1202.7 | 1053.6 | 1029.8 | 987.1  | 955.9  | 953.3  | 959.6  | 993.5  |
| 15°    | 1330.5 | 1312.9 | 1270.3 | 1132.5 | 1001.0 | 983.4  | 953.3  | 942.1  | 955.9  | 999.8  | 1101.2 |
| 17.5°  | 1315.4 | 1295.4 | 1242.8 | 1063.6 | 960.9  | 948.4  | 927.1  | 949.6  | 1027.3 | 1086.1 | 1120.0 |
| 20°    | 1295.4 | 1271.5 | 1211.4 | 1013.5 | 932.0  | 920.8  | 910.7  | 1012.3 | 1071.1 | 1092.4 | 1111.2 |
| 22.5°  | 1271.5 | 1246.5 | 1168.8 | 978.5  | 902.0  | 893.3  | 899.5  | 1047.3 | 1071.1 | 1086.1 | 1102.4 |
| 25°    | 1240.3 | 1219.0 | 1118.7 | 950.9  | 878.2  | 868.2  | 892.0  | 1043.6 | 1057.4 | 1061.1 | 1093.7 |
| 27.5°  | 1211.4 | 1183.8 | 1066.2 | 925.8  | 849.4  | 845.6  | 898.2  | 1027.3 | 1037.3 | 1041.0 | 1076.2 |
| 30°    | 1176.4 | 1135.0 | 1007.2 | 899.5  | 819.3  | 818.1  | 899.5  | 1007.2 | 1004.7 | 1014.8 | 1049.8 |
| 32.5°  | 1140.0 | 1062.3 | 940.8  | 866.9  | 790.5  | 789.2  | 890.8  | 977.2  | 974.6  | 988.5  | 1014.8 |
| 35°    | 1106.2 | 1006.0 | 850.6  | 829.3  | 754.2  | 755.4  | 869.5  | 942.1  | 943.3  | 955.9  | 972.2  |
| 37.5°  | 1071.1 | 957.2  | 751.7  | 788.0  | 719.1  | 719.1  | 840.6  | 909.5  | 907.0  | 910.7  | 933.3  |
| 40°    | 1029.8 | 880.7  | 664.0  | 734.1  | 686.5  | 682.8  | 805.6  | 874.4  | 865.6  | 864.4  | 895.7  |
| 42.5°  | 985.9  | 796.8  | 598.8  | 662.8  | 648.9  | 643.9  | 763.0  | 831.8  | 815.6  | 819.3  | 859.4  |
| 45°    | 938.3  | 774.2  | 548.7  | 560.0  | 610.1  | 606.4  | 716.6  | 783.0  | 771.7  | 781.8  | 823.0  |
| 47.5°  | 890.8  | 729.1  | 532.5  | 464.8  | 568.8  | 567.5  | 665.2  | 735.3  | 729.1  | 739.2  | 783.0  |
| 50°    | 825.6  | 679.0  | 531.2  | 398.4  | 522.4  | 527.4  | 603.8  | 689.0  | 689.0  | 697.8  | 744.1  |
| 52.5°  | 741.7  | 617.7  | 482.3  | 360.8  | 468.5  | 483.5  | 549.9  | 648.9  | 651.5  | 660.2  | 701.5  |
| 55°    | 665.2  | 553.8  | 447.2  | 331.9  | 404.6  | 437.2  | 497.4  | 607.6  | 612.6  | 621.4  | 658.9  |
| 57.5°  | 595.1  | 461.0  | 439.7  | 298.1  | 345.8  | 377.1  | 451.0  | 567.5  | 570.0  | 577.5  | 613.8  |
| 60°    | 519.9  | 333.3  | 403.4  | 261.8  | 294.4  | 318.2  | 408.4  | 519.9  | 528.6  | 533.7  | 565.0  |
| 62.5°  | 434.7  | 241.8  | 365.8  | 236.8  | 269.4  | 274.3  | 373.3  | 474.8  | 486.1  | 489.9  | 508.7  |
| 65°    | 309.4  | 203.0  | 310.6  | 215.5  | 243.0  | 244.3  | 335.8  | 428.4  | 438.5  | 444.8  | 458.5  |
| 67.5°  | 209.2  | 165.4  | 236.8  | 195.4  | 223.0  | 224.3  | 299.4  | 374.6  | 388.4  | 393.4  | 402.2  |
| 70°    | 145.3  | 110.2  | 175.4  | 174.1  | 200.4  | 203.0  | 260.6  | 325.7  | 338.3  | 342.0  | 347.0  |
| 72.5°  | 106.5  | 88.9   | 145.3  | 156.6  | 176.6  | 179.1  | 220.5  | 270.6  | 283.1  | 286.9  | 289.4  |
| 75°    | 81.4   | 94.0   | 117.8  | 136.6  | 150.4  | 151.6  | 180.4  | 220.5  | 229.3  | 231.7  | 233.0  |
| 77.5°  | 65.1   | 87.7   | 86.5   | 110.2  | 122.7  | 120.3  | 141.6  | 170.4  | 177.9  | 177.9  | 177.9  |
| 80°    | 48.8   | 68.9   | 65.1   | 78.9   | 90.2   | 87.7   | 101.4  | 121.5  | 124.0  | 126.6  | 125.2  |
| 82.5°  | 36.3   | 43.8   | 43.8   | 50.2   | 60.1   | 57.6   | 67.6   | 78.9   | 78.9   | 78.9   | 81.4   |
| 85°    | 22.5   | 25.0   | 20.1   | 26.3   | 33.8   | 32.6   | 37.5   | 42.6   | 43.8   | 43.8   | 41.4   |
| 87.5°  | 13.8   | 11.3   | 6.3    | 10.0   | 15.0   | 15.0   | 17.6   | 18.8   | 17.6   | 17.6   | 17.6   |
| 90°    | 20.2   | 14.0   | 7.8    | 14.0   | 20.2   | 21.8   | 34.2   | 50.7   | 59.0   | 52.5   | 39.3   |
| 92.5°  | 136.8  | 84.0   | 31.1   | 84.0   | 136.8  | 150.0  | 210.8  | 292.0  | 332.5  | 291.4  | 209.3  |
| 95°    | 268.0  | 171.3  | 74.6   | 171.3  | 268.0  | 292.2  | 518.7  | 820.9  | 972.0  | 867.4  | 658.1  |
| 97.5°  | 299.6  | 214.3  | 129.0  | 214.3  | 299.6  | 320.9  | 698.8  | 1202.6 | 1454.5 | 1388.4 | 1256.1 |
| 100°   | 325.7  | 248.3  | 170.9  | 248.3  | 325.7  | 345.0  | 764.3  | 1323.4 | 1602.9 | 1607.8 | 1617.4 |
| 102.5° | 351.0  | 278.8  | 206.7  | 278.8  | 351.0  | 369.0  | 794.3  | 1361.3 | 1644.9 | 1729.1 | 1897.7 |
| 105°   | 389.5  | 328.4  | 267.3  | 328.4  | 389.5  | 404.8  | 816.6  | 1365.7 | 1640.2 | 1829.1 | 2206.9 |
| 107.5° | 443.4  | 386.4  | 329.4  | 386.4  | 443.4  | 457.7  | 820.8  | 1304.9 | 1547.0 | 1810.5 | 2337.4 |
| 110°   | 474.3  | 422.8  | 371.4  | 422.8  | 474.3  | 487.2  | 814.5  | 1251.0 | 1469.3 | 1763.9 | 2352.9 |

TEST NUMBER: P935096

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 510.7  | 461.6  | 412.5  | 461.6  | 510.7  | 522.9  | 814.8  | 1204.0 | 1398.6 | 1700.1 | 2303.0 |
| 115°   | 565.3  | 520.0  | 474.8  | 520.0  | 565.3  | 576.6  | 822.3  | 1150.0 | 1313.9 | 1604.3 | 2185.2 |
| 117.5° | 618.3  | 577.2  | 536.1  | 577.2  | 618.3  | 628.6  | 837.6  | 1116.2 | 1255.6 | 1517.7 | 2041.9 |
| 120°   | 649.2  | 610.6  | 571.9  | 610.6  | 649.2  | 658.8  | 850.0  | 1104.9 | 1232.3 | 1471.8 | 1950.8 |
| 122.5° | 684.9  | 645.9  | 606.8  | 645.9  | 684.9  | 694.6  | 867.9  | 1098.9 | 1214.4 | 1430.0 | 1861.4 |
| 125°   | 731.6  | 696.0  | 660.4  | 696.0  | 731.6  | 740.5  | 892.0  | 1094.0 | 1195.0 | 1378.2 | 1744.6 |
| 127.5° | 775.8  | 739.8  | 704.0  | 739.8  | 775.8  | 784.7  | 916.1  | 1091.2 | 1178.7 | 1336.0 | 1650.6 |
| 130°   | 804.5  | 765.9  | 727.2  | 765.9  | 804.5  | 814.3  | 933.6  | 1092.9 | 1172.5 | 1312.5 | 1592.6 |
| 132.5° | 828.6  | 790.0  | 751.3  | 790.0  | 828.6  | 838.4  | 947.9  | 1094.0 | 1167.0 | 1292.4 | 1543.1 |
| 135°   | 857.6  | 822.3  | 787.1  | 822.3  | 857.6  | 866.4  | 963.5  | 1093.0 | 1157.7 | 1262.7 | 1472.6 |
| 137.5° | 893.4  | 858.4  | 823.6  | 858.4  | 893.4  | 902.1  | 986.8  | 1099.7 | 1156.1 | 1244.8 | 1422.4 |
| 140°   | 918.1  | 886.0  | 853.9  | 886.0  | 918.1  | 926.2  | 1001.0 | 1100.8 | 1150.7 | 1227.4 | 1380.7 |
| 142.5° | 936.6  | 906.9  | 877.2  | 906.9  | 936.6  | 944.0  | 1012.9 | 1104.7 | 1150.7 | 1218.0 | 1352.7 |
| 145°   | 964.8  | 938.9  | 913.0  | 938.9  | 964.8  | 971.3  | 1028.5 | 1104.8 | 1142.9 | 1198.0 | 1308.2 |
| 147.5° | 999.1  | 973.9  | 948.7  | 973.9  | 999.1  | 1005.5 | 1051.3 | 1112.4 | 1142.9 | 1186.3 | 1272.9 |
| 150°   | 1017.6 | 994.8  | 972.0  | 994.8  | 1017.6 | 1023.3 | 1063.2 | 1116.3 | 1142.9 | 1179.5 | 1252.8 |
| 152.5° | 1030.7 | 1013.4 | 996.1  | 1013.4 | 1030.7 | 1035.0 | 1070.9 | 1118.9 | 1142.9 | 1174.2 | 1236.7 |
| 155°   | 1057.4 | 1044.6 | 1031.8 | 1044.6 | 1057.4 | 1060.6 | 1088.0 | 1124.6 | 1142.9 | 1167.8 | 1217.6 |
| 157.5° | 1083.2 | 1070.6 | 1058.2 | 1070.6 | 1083.2 | 1086.2 | 1105.1 | 1130.3 | 1142.9 | 1162.3 | 1200.9 |
| 160°   | 1095.5 | 1085.9 | 1076.2 | 1085.9 | 1095.5 | 1097.9 | 1113.0 | 1132.9 | 1142.9 | 1159.6 | 1192.7 |
| 162.5° | 1108.6 | 1101.3 | 1094.0 | 1101.3 | 1108.6 | 1110.3 | 1121.2 | 1135.7 | 1142.9 | 1156.9 | 1184.9 |
| 165°   | 1126.5 | 1120.0 | 1113.4 | 1120.0 | 1126.5 | 1128.2 | 1133.1 | 1139.7 | 1142.9 | 1152.9 | 1173.0 |
| 167.5° | 1137.5 | 1134.3 | 1131.3 | 1134.3 | 1137.5 | 1138.3 | 1142.4 | 1147.9 | 1150.7 | 1157.2 | 1170.4 |
| 170°   | 1149.2 | 1146.0 | 1142.9 | 1146.0 | 1149.2 | 1149.9 | 1150.2 | 1150.5 | 1150.7 | 1157.2 | 1170.4 |
| 172.5° | 1150.5 | 1149.8 | 1149.2 | 1149.8 | 1150.5 | 1150.7 | 1150.7 | 1150.7 | 1150.7 | 1155.9 | 1166.3 |
| 175°   | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1155.4 | 1152.3 | 1150.7 | 1154.0 | 1160.5 |
| 177.5° | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1155.9 | 1153.5 | 1152.3 | 1154.9 | 1160.0 |
| 180°   | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 |
| 2.5°   | 1277.8 | 1274.1 | 1279.1 | 1265.3 | 1279.1 | 1274.1 | 1277.8 | 1286.6 | 1279.1 | 1284.1 | 1289.1 |
| 5°     | 1121.3 | 1115.0 | 1094.9 | 1078.7 | 1094.9 | 1115.0 | 1121.3 | 1147.5 | 1160.0 | 1182.6 | 1212.7 |
| 7.5°   | 1002.2 | 997.2  | 992.2  | 982.2  | 992.2  | 997.2  | 1002.2 | 1009.7 | 1022.3 | 1042.3 | 1064.9 |
| 10°    | 975.9  | 977.2  | 984.7  | 983.4  | 984.7  | 977.2  | 975.9  | 973.4  | 969.7  | 973.4  | 987.1  |
| 12.5°  | 1043.6 | 1054.9 | 1096.1 | 1093.7 | 1096.1 | 1054.9 | 1043.6 | 993.5  | 959.6  | 953.3  | 955.9  |
| 15°    | 1121.3 | 1125.0 | 1133.8 | 1135.0 | 1133.8 | 1125.0 | 1121.3 | 1101.2 | 999.8  | 955.9  | 942.1  |
| 17.5°  | 1128.7 | 1130.0 | 1136.3 | 1136.3 | 1136.3 | 1130.0 | 1128.7 | 1120.0 | 1086.1 | 1027.3 | 949.6  |
| 20°    | 1122.5 | 1125.0 | 1137.5 | 1140.0 | 1137.5 | 1125.0 | 1122.5 | 1111.2 | 1092.4 | 1071.1 | 1012.3 |
| 22.5°  | 1120.0 | 1125.0 | 1135.0 | 1133.8 | 1135.0 | 1125.0 | 1120.0 | 1102.4 | 1086.1 | 1071.1 | 1047.3 |
| 25°    | 1107.4 | 1107.4 | 1108.8 | 1110.0 | 1108.8 | 1107.4 | 1107.4 | 1093.7 | 1061.1 | 1057.4 | 1043.6 |
| 27.5°  | 1081.1 | 1083.6 | 1091.2 | 1089.9 | 1091.2 | 1083.6 | 1081.1 | 1076.2 | 1041.0 | 1037.3 | 1027.3 |
| 30°    | 1057.4 | 1054.9 | 1048.6 | 1043.6 | 1048.6 | 1054.9 | 1057.4 | 1049.8 | 1014.8 | 1004.7 | 1007.2 |
| 32.5°  | 1017.2 | 1011.0 | 1004.7 | 1001.0 | 1004.7 | 1011.0 | 1017.2 | 1014.8 | 988.5  | 974.6  | 977.2  |
| 35°    | 969.7  | 970.9  | 969.7  | 965.8  | 969.7  | 970.9  | 969.7  | 972.2  | 955.9  | 943.3  | 942.1  |
| 37.5°  | 935.9  | 938.3  | 937.1  | 932.0  | 937.1  | 938.3  | 935.9  | 933.3  | 910.7  | 907.0  | 909.5  |
| 40°    | 900.7  | 902.0  | 900.7  | 897.0  | 900.7  | 902.0  | 900.7  | 895.7  | 864.4  | 865.6  | 874.4  |
| 42.5°  | 866.9  | 865.6  | 861.9  | 859.4  | 861.9  | 865.6  | 866.9  | 859.4  | 819.3  | 815.6  | 831.8  |
| 45°    | 828.1  | 829.3  | 821.8  | 818.1  | 821.8  | 829.3  | 828.1  | 823.0  | 781.8  | 771.7  | 783.0  |
| 47.5°  | 789.2  | 789.2  | 783.0  | 779.2  | 783.0  | 789.2  | 789.2  | 783.0  | 739.2  | 729.1  | 735.3  |
| 50°    | 747.9  | 746.6  | 737.9  | 736.6  | 737.9  | 746.6  | 747.9  | 744.1  | 697.8  | 689.0  | 689.0  |
| 52.5°  | 700.3  | 700.3  | 701.5  | 704.0  | 701.5  | 700.3  | 700.3  | 701.5  | 660.2  | 651.5  | 648.9  |
| 55°    | 658.9  | 660.2  | 669.0  | 671.5  | 669.0  | 660.2  | 658.9  | 658.9  | 621.4  | 612.6  | 607.6  |
| 57.5°  | 616.3  | 616.3  | 622.6  | 622.6  | 622.6  | 616.3  | 616.3  | 613.8  | 577.5  | 570.0  | 567.5  |
| 60°    | 567.5  | 570.0  | 575.1  | 573.8  | 575.1  | 570.0  | 567.5  | 565.0  | 533.7  | 528.6  | 519.9  |
| 62.5°  | 516.1  | 518.7  | 519.9  | 517.4  | 519.9  | 518.7  | 516.1  | 508.7  | 489.9  | 486.1  | 474.8  |
| 65°    | 462.2  | 464.8  | 466.1  | 463.5  | 466.1  | 464.8  | 462.2  | 458.5  | 444.8  | 438.5  | 428.4  |
| 67.5°  | 407.1  | 405.9  | 404.6  | 409.7  | 404.6  | 405.9  | 407.1  | 402.2  | 393.4  | 388.4  | 374.6  |
| 70°    | 350.8  | 350.8  | 349.5  | 352.0  | 349.5  | 350.8  | 350.8  | 347.0  | 342.0  | 338.3  | 325.7  |
| 72.5°  | 290.7  | 289.4  | 294.4  | 290.7  | 294.4  | 289.4  | 290.7  | 289.4  | 286.9  | 283.1  | 270.6  |
| 75°    | 231.7  | 234.2  | 231.7  | 235.6  | 231.7  | 234.2  | 231.7  | 233.0  | 231.7  | 229.3  | 220.5  |
| 77.5°  | 176.6  | 179.1  | 176.6  | 176.6  | 176.6  | 179.1  | 176.6  | 177.9  | 177.9  | 177.9  | 170.4  |
| 80°    | 125.2  | 124.0  | 124.0  | 122.7  | 124.0  | 124.0  | 125.2  | 125.2  | 126.6  | 124.0  | 121.5  |
| 82.5°  | 80.1   | 78.9   | 78.9   | 81.4   | 78.9   | 78.9   | 80.1   | 81.4   | 78.9   | 78.9   | 78.9   |
| 85°    | 43.8   | 45.1   | 42.6   | 42.6   | 42.6   | 45.1   | 43.8   | 41.4   | 43.8   | 43.8   | 42.6   |
| 87.5°  | 16.3   | 15.0   | 15.0   | 15.0   | 15.0   | 15.0   | 16.3   | 17.6   | 17.6   | 17.6   | 18.8   |
| 90°    | 29.5   | 29.5   | 29.5   | 29.5   | 29.5   | 29.5   | 29.5   | 39.3   | 52.5   | 59.0   | 50.7   |
| 92.5°  | 147.7  | 141.8  | 118.3  | 94.8   | 118.3  | 141.8  | 147.7  | 209.3  | 291.4  | 332.5  | 292.0  |
| 95°    | 501.2  | 483.4  | 412.3  | 341.1  | 412.3  | 483.4  | 501.2  | 658.1  | 867.4  | 972.0  | 820.9  |
| 97.5°  | 1156.9 | 1123.1 | 987.7  | 852.4  | 987.7  | 1123.1 | 1156.9 | 1256.1 | 1388.4 | 1454.5 | 1202.6 |
| 100°   | 1624.7 | 1584.3 | 1423.1 | 1261.8 | 1423.1 | 1584.3 | 1624.7 | 1617.4 | 1607.8 | 1602.9 | 1323.4 |
| 102.5° | 2024.1 | 1989.5 | 1851.4 | 1713.2 | 1851.4 | 1989.5 | 2024.1 | 1897.7 | 1729.1 | 1644.9 | 1361.3 |
| 105°   | 2490.2 | 2471.6 | 2397.4 | 2323.1 | 2397.4 | 2471.6 | 2490.2 | 2206.9 | 1829.1 | 1640.2 | 1365.7 |
| 107.5° | 2732.6 | 2737.1 | 2755.1 | 2773.0 | 2755.1 | 2737.1 | 2732.6 | 2337.4 | 1810.5 | 1547.0 | 1304.9 |
| 110°   | 2794.8 | 2814.1 | 2891.5 | 2968.8 | 2891.5 | 2814.1 | 2794.8 | 2352.9 | 1763.9 | 1469.3 | 1251.0 |

TEST NUMBER: P935096

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 2755.2 | 2784.9 | 2903.6 | 3022.4 | 2903.6 | 2784.9 | 2755.2 | 2303.0 | 1700.1 | 1398.6 | 1204.0 |
| 115°   | 2620.8 | 2662.0 | 2826.7 | 2991.4 | 2826.7 | 2662.0 | 2620.8 | 2185.2 | 1604.3 | 1313.9 | 1150.0 |
| 117.5° | 2435.0 | 2480.7 | 2663.4 | 2846.1 | 2663.4 | 2480.7 | 2435.0 | 2041.9 | 1517.7 | 1255.6 | 1116.2 |
| 120°   | 2310.0 | 2354.3 | 2531.9 | 2709.3 | 2531.9 | 2354.3 | 2310.0 | 1950.8 | 1471.8 | 1232.3 | 1104.9 |
| 122.5° | 2184.9 | 2228.7 | 2403.7 | 2578.8 | 2403.7 | 2228.7 | 2184.9 | 1861.4 | 1430.0 | 1214.4 | 1098.9 |
| 125°   | 2019.4 | 2059.8 | 2221.0 | 2382.3 | 2221.0 | 2059.8 | 2019.4 | 1744.6 | 1378.2 | 1195.0 | 1094.0 |
| 127.5° | 1886.5 | 1920.5 | 2056.6 | 2192.7 | 2056.6 | 1920.5 | 1886.5 | 1650.6 | 1336.0 | 1178.7 | 1091.2 |
| 130°   | 1802.6 | 1834.0 | 1959.7 | 2085.4 | 1959.7 | 1834.0 | 1802.6 | 1592.6 | 1312.5 | 1172.5 | 1092.9 |
| 132.5° | 1731.1 | 1759.2 | 1871.8 | 1984.4 | 1871.8 | 1759.2 | 1731.1 | 1543.1 | 1292.4 | 1167.0 | 1094.0 |
| 135°   | 1630.1 | 1654.4 | 1751.4 | 1848.5 | 1751.4 | 1654.4 | 1630.1 | 1472.6 | 1262.7 | 1157.7 | 1093.0 |
| 137.5° | 1555.5 | 1575.4 | 1654.8 | 1734.3 | 1654.8 | 1575.4 | 1555.5 | 1422.4 | 1244.8 | 1156.1 | 1099.7 |
| 140°   | 1495.7 | 1514.3 | 1588.5 | 1662.7 | 1588.5 | 1514.3 | 1495.7 | 1380.7 | 1227.4 | 1150.7 | 1100.8 |
| 142.5° | 1453.8 | 1469.7 | 1533.6 | 1597.5 | 1533.6 | 1469.7 | 1453.8 | 1352.7 | 1218.0 | 1150.7 | 1104.7 |
| 145°   | 1390.8 | 1402.9 | 1451.2 | 1499.5 | 1451.2 | 1402.9 | 1390.8 | 1308.2 | 1198.0 | 1142.9 | 1104.8 |
| 147.5° | 1338.0 | 1347.9 | 1388.0 | 1428.1 | 1388.0 | 1347.9 | 1338.0 | 1272.9 | 1186.3 | 1142.9 | 1112.4 |
| 150°   | 1307.7 | 1315.8 | 1348.2 | 1380.7 | 1348.2 | 1315.8 | 1307.7 | 1252.8 | 1179.5 | 1142.9 | 1116.3 |
| 152.5° | 1283.6 | 1289.8 | 1314.2 | 1338.7 | 1314.2 | 1289.8 | 1283.6 | 1236.7 | 1174.2 | 1142.9 | 1118.9 |
| 155°   | 1254.8 | 1258.8 | 1275.1 | 1291.3 | 1275.1 | 1258.8 | 1254.8 | 1217.6 | 1167.8 | 1142.9 | 1124.6 |
| 157.5° | 1230.0 | 1232.8 | 1244.2 | 1255.6 | 1244.2 | 1232.8 | 1230.0 | 1200.9 | 1162.3 | 1142.9 | 1130.3 |
| 160°   | 1217.6 | 1219.2 | 1225.8 | 1232.3 | 1225.8 | 1219.2 | 1217.6 | 1192.7 | 1159.6 | 1142.9 | 1132.9 |
| 162.5° | 1205.9 | 1207.5 | 1213.6 | 1219.9 | 1213.6 | 1207.5 | 1205.9 | 1184.9 | 1156.9 | 1142.9 | 1135.7 |
| 165°   | 1188.0 | 1189.7 | 1196.3 | 1202.8 | 1196.3 | 1189.7 | 1188.0 | 1173.0 | 1152.9 | 1142.9 | 1139.7 |
| 167.5° | 1180.2 | 1180.9 | 1183.7 | 1186.5 | 1183.7 | 1180.9 | 1180.2 | 1170.4 | 1157.2 | 1150.7 | 1147.9 |
| 170°   | 1180.2 | 1180.2 | 1180.2 | 1180.2 | 1180.2 | 1180.2 | 1180.2 | 1170.4 | 1157.2 | 1150.7 | 1150.5 |
| 172.5° | 1174.0 | 1173.5 | 1171.0 | 1168.6 | 1171.0 | 1173.5 | 1174.0 | 1166.3 | 1155.9 | 1150.7 | 1150.7 |
| 175°   | 1165.4 | 1165.4 | 1165.4 | 1165.4 | 1165.4 | 1165.4 | 1165.4 | 1160.5 | 1154.0 | 1150.7 | 1152.3 |
| 177.5° | 1164.0 | 1163.3 | 1160.5 | 1157.7 | 1160.5 | 1163.3 | 1164.0 | 1160.0 | 1154.9 | 1152.3 | 1153.5 |
| 180°   | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 |

TEST NUMBER: P935096

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 0°     | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 |
| 2.5°   | 1307.9 | 1314.1 | 1318.0 | 1322.9 | 1335.4 |
| 5°     | 1257.8 | 1281.6 | 1289.1 | 1307.9 | 1330.5 |
| 7.5°   | 1147.5 | 1220.2 | 1240.3 | 1285.4 | 1320.4 |
| 10°    | 1041.0 | 1113.7 | 1148.8 | 1255.3 | 1307.9 |
| 12.5°  | 987.1  | 1029.8 | 1053.6 | 1202.7 | 1290.3 |
| 15°    | 953.3  | 983.4  | 1001.0 | 1132.5 | 1270.3 |
| 17.5°  | 927.1  | 948.4  | 960.9  | 1063.6 | 1242.8 |
| 20°    | 910.7  | 920.8  | 932.0  | 1013.5 | 1211.4 |
| 22.5°  | 899.5  | 893.3  | 902.0  | 978.5  | 1168.8 |
| 25°    | 892.0  | 868.2  | 878.2  | 950.9  | 1118.7 |
| 27.5°  | 898.2  | 845.6  | 849.4  | 925.8  | 1066.2 |
| 30°    | 899.5  | 818.1  | 819.3  | 899.5  | 1007.2 |
| 32.5°  | 890.8  | 789.2  | 790.5  | 866.9  | 940.8  |
| 35°    | 869.5  | 755.4  | 754.2  | 829.3  | 850.6  |
| 37.5°  | 840.6  | 719.1  | 719.1  | 788.0  | 751.7  |
| 40°    | 805.6  | 682.8  | 686.5  | 734.1  | 664.0  |
| 42.5°  | 763.0  | 643.9  | 648.9  | 662.8  | 598.8  |
| 45°    | 716.6  | 606.4  | 610.1  | 560.0  | 548.7  |
| 47.5°  | 665.2  | 567.5  | 568.8  | 464.8  | 532.5  |
| 50°    | 603.8  | 527.4  | 522.4  | 398.4  | 531.2  |
| 52.5°  | 549.9  | 483.5  | 468.5  | 360.8  | 482.3  |
| 55°    | 497.4  | 437.2  | 404.6  | 331.9  | 447.2  |
| 57.5°  | 451.0  | 377.1  | 345.8  | 298.1  | 439.7  |
| 60°    | 408.4  | 318.2  | 294.4  | 261.8  | 403.4  |
| 62.5°  | 373.3  | 274.3  | 269.4  | 236.8  | 365.8  |
| 65°    | 335.8  | 244.3  | 243.0  | 215.5  | 310.6  |
| 67.5°  | 299.4  | 224.3  | 223.0  | 195.4  | 236.8  |
| 70°    | 260.6  | 203.0  | 200.4  | 174.1  | 175.4  |
| 72.5°  | 220.5  | 179.1  | 176.6  | 156.6  | 145.3  |
| 75°    | 180.4  | 151.6  | 150.4  | 136.6  | 117.8  |
| 77.5°  | 141.6  | 120.3  | 122.7  | 110.2  | 86.5   |
| 80°    | 101.4  | 87.7   | 90.2   | 78.9   | 65.1   |
| 82.5°  | 67.6   | 57.6   | 60.1   | 50.2   | 43.8   |
| 85°    | 37.5   | 32.6   | 33.8   | 26.3   | 20.1   |
| 87.5°  | 17.6   | 15.0   | 15.0   | 10.0   | 6.3    |
| 90°    | 34.2   | 21.8   | 20.2   | 14.0   | 7.8    |
| 92.5°  | 210.8  | 150.0  | 136.8  | 84.0   | 31.1   |
| 95°    | 518.7  | 292.2  | 268.0  | 171.3  | 74.6   |
| 97.5°  | 698.8  | 320.9  | 299.6  | 214.3  | 129.0  |
| 100°   | 764.3  | 345.0  | 325.7  | 248.3  | 170.9  |
| 102.5° | 794.3  | 369.0  | 351.0  | 278.8  | 206.7  |
| 105°   | 816.6  | 404.8  | 389.5  | 328.4  | 267.3  |
| 107.5° | 820.8  | 457.7  | 443.4  | 386.4  | 329.4  |
| 110°   | 814.5  | 487.2  | 474.3  | 422.8  | 371.4  |

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**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 814.8  | 522.9  | 510.7  | 461.6  | 412.5  |
| 115°   | 822.3  | 576.6  | 565.3  | 520.0  | 474.8  |
| 117.5° | 837.6  | 628.6  | 618.3  | 577.2  | 536.1  |
| 120°   | 850.0  | 658.8  | 649.2  | 610.6  | 571.9  |
| 122.5° | 867.9  | 694.6  | 684.9  | 645.9  | 606.8  |
| 125°   | 892.0  | 740.5  | 731.6  | 696.0  | 660.4  |
| 127.5° | 916.1  | 784.7  | 775.8  | 739.8  | 704.0  |
| 130°   | 933.6  | 814.3  | 804.5  | 765.9  | 727.2  |
| 132.5° | 947.9  | 838.4  | 828.6  | 790.0  | 751.3  |
| 135°   | 963.5  | 866.4  | 857.6  | 822.3  | 787.1  |
| 137.5° | 986.8  | 902.1  | 893.4  | 858.4  | 823.6  |
| 140°   | 1001.0 | 926.2  | 918.1  | 886.0  | 853.9  |
| 142.5° | 1012.9 | 944.0  | 936.6  | 906.9  | 877.2  |
| 145°   | 1028.5 | 971.3  | 964.8  | 938.9  | 913.0  |
| 147.5° | 1051.3 | 1005.5 | 999.1  | 973.9  | 948.7  |
| 150°   | 1063.2 | 1023.3 | 1017.6 | 994.8  | 972.0  |
| 152.5° | 1070.9 | 1035.0 | 1030.7 | 1013.4 | 996.1  |
| 155°   | 1088.0 | 1060.6 | 1057.4 | 1044.6 | 1031.8 |
| 157.5° | 1105.1 | 1086.2 | 1083.2 | 1070.6 | 1058.2 |
| 160°   | 1113.0 | 1097.9 | 1095.5 | 1085.9 | 1076.2 |
| 162.5° | 1121.2 | 1110.3 | 1108.6 | 1101.3 | 1094.0 |
| 165°   | 1133.1 | 1128.2 | 1126.5 | 1120.0 | 1113.4 |
| 167.5° | 1142.4 | 1138.3 | 1137.5 | 1134.3 | 1131.3 |
| 170°   | 1150.2 | 1149.9 | 1149.2 | 1146.0 | 1142.9 |
| 172.5° | 1150.7 | 1150.7 | 1150.5 | 1149.8 | 1149.2 |
| 175°   | 1155.4 | 1157.7 | 1157.7 | 1157.7 | 1157.7 |
| 177.5° | 1155.9 | 1157.7 | 1157.7 | 1157.7 | 1157.7 |
| 180°   | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 |

TEST NUMBER: P935096

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-8-5000K

**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 | 9.09             | 9.81  | 10.19 | 10.91 | 12.42 | 11.93          | 12.64 | 13.03 | 13.74 | 15.26 |
|                 | 3H   | 9.56             | 10.20 | 10.67 | 11.30 | 12.84 | 13.27          | 13.91 | 14.38 | 15.01 | 16.54 |
|                 | 4H   | 9.74             | 10.35 | 10.86 | 11.46 | 12.99 | 13.70          | 14.31 | 14.82 | 15.42 | 16.96 |
|                 | 6H   | 9.85             | 10.41 | 10.98 | 11.52 | 13.07 | 13.98          | 14.54 | 15.11 | 15.65 | 17.20 |
|                 | 8H   | 9.85             | 10.38 | 10.98 | 11.51 | 13.05 | 14.05          | 14.59 | 15.19 | 15.71 | 17.25 |
|                 | 12H  | 9.81             | 10.32 | 10.95 | 11.44 | 13.00 | 14.09          | 14.59 | 15.23 | 15.71 | 17.28 |
| 4H              | 2H   | 10.11            | 10.72 | 11.24 | 11.82 | 13.36 | 12.32          | 12.93 | 13.45 | 14.04 | 15.57 |
|                 | 3H   | 11.12            | 11.63 | 12.25 | 12.76 | 14.31 | 13.81          | 14.32 | 14.95 | 15.45 | 17.00 |
|                 | 4H   | 11.39            | 11.86 | 12.53 | 12.98 | 14.55 | 14.34          | 14.80 | 15.47 | 15.93 | 17.50 |
|                 | 6H   | 11.51            | 11.91 | 12.65 | 13.05 | 14.61 | 14.70          | 15.09 | 15.84 | 16.24 | 17.80 |
|                 | 8H   | 11.51            | 11.88 | 12.65 | 13.02 | 14.60 | 14.80          | 15.17 | 15.94 | 16.31 | 17.89 |
|                 | 12H  | 11.47            | 11.81 | 12.63 | 12.96 | 14.54 | 14.85          | 15.19 | 16.01 | 16.34 | 17.92 |
| 8H              | 4H   | 11.83            | 12.21 | 12.98 | 13.34 | 14.92 | 14.45          | 14.82 | 15.59 | 15.96 | 17.54 |
|                 | 6H   | 12.09            | 12.40 | 13.25 | 13.58 | 15.15 | 14.88          | 15.19 | 16.05 | 16.37 | 17.94 |
|                 | 8H   | 12.13            | 12.40 | 13.30 | 13.56 | 15.15 | 15.03          | 15.30 | 16.20 | 16.46 | 18.05 |
|                 | 12H  | 12.11            | 12.34 | 13.28 | 13.50 | 15.13 | 15.13          | 15.36 | 16.30 | 16.52 | 18.15 |
| 12H             | 4H   | 11.83            | 12.17 | 12.99 | 13.32 | 14.90 | 14.41          | 14.74 | 15.57 | 15.89 | 17.48 |
|                 | 6H   | 12.15            | 12.42 | 13.32 | 13.58 | 15.17 | 14.88          | 15.15 | 16.05 | 16.31 | 17.90 |
|                 | 8H   | 12.21            | 12.44 | 13.38 | 13.60 | 15.23 | 15.03          | 15.27 | 16.21 | 16.43 | 18.05 |