

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: P935191

Luminaire Tested: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-6-5000K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P935191  
REPORT IS A COMBINATION OF REPORTS P933743 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-6-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

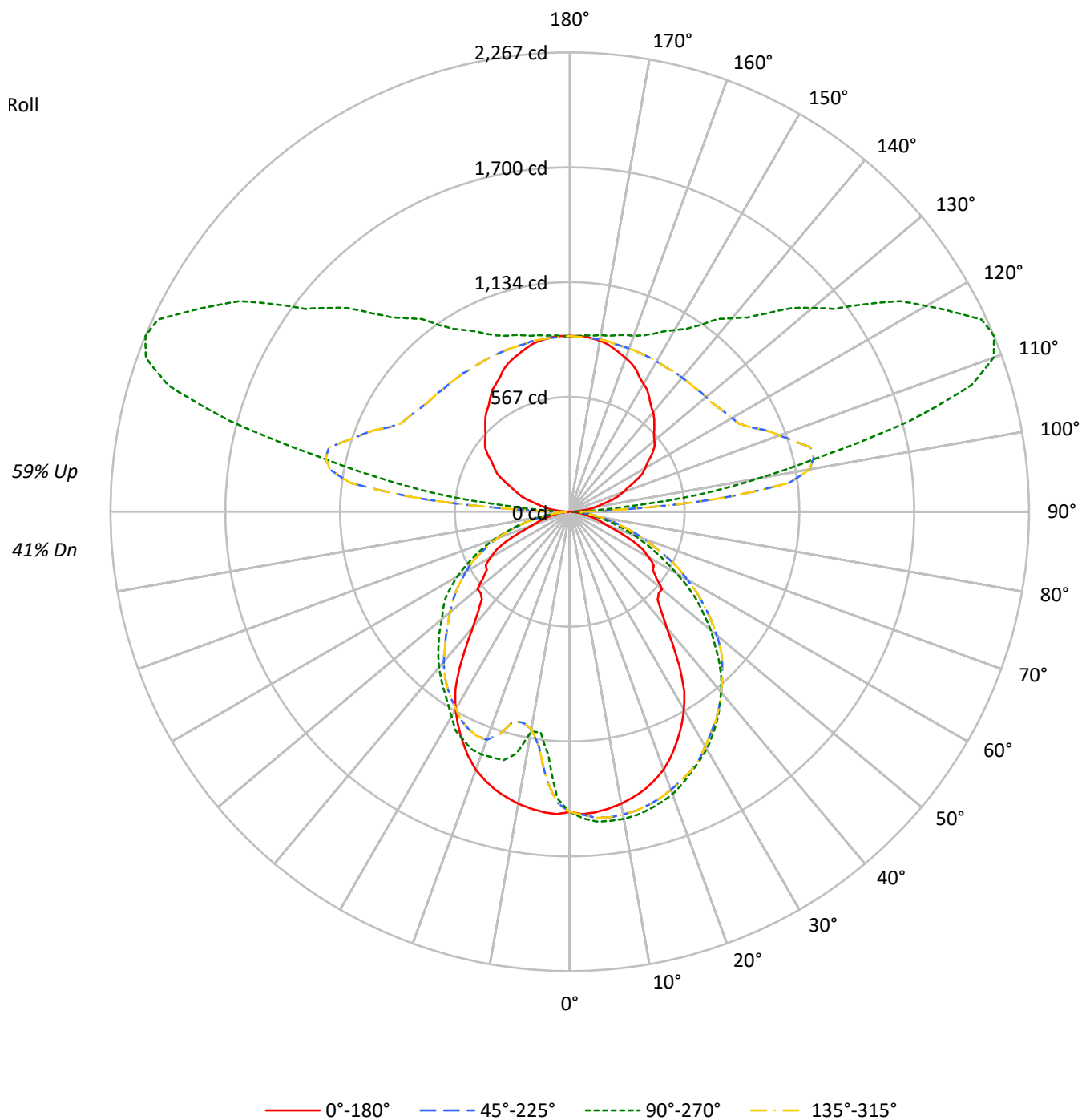
Lumens per Lamp: N/A  
Luminaire Lumens: 9471.6 lumens  
Efficiency: N/A  
Efficacy: 128.3 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 73.8  
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: P935191

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-6-5000K

### Luminous Intensity Polar Plot



TEST NUMBER: P935191

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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    |    | 20 |    |    |    |    | 20 |    |    |    |    | 20 |
| RC  | 80  |     |     |     | 70 |    |    |    |    | 50 |    |    |    |    | 30 |    |    |    |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 105 | 105 | 105 | 105 | 96 | 96 | 96 | 96 | 78 | 78 | 78 | 62 | 62 | 62 | 47 | 47 | 47 |    |    | 41 |
| 1   | 96  | 91  | 88  | 84  | 87 | 83 | 80 | 77 | 68 | 66 | 64 | 55 | 53 | 52 | 42 | 41 | 40 |    |    | 34 |
| 2   | 87  | 80  | 74  | 69  | 79 | 73 | 68 | 63 | 60 | 56 | 53 | 48 | 45 | 43 | 37 | 35 | 34 |    |    | 29 |
| 3   | 79  | 70  | 63  | 57  | 72 | 64 | 58 | 53 | 53 | 48 | 45 | 42 | 39 | 37 | 33 | 31 | 29 |    |    | 24 |
| 4   | 73  | 62  | 54  | 48  | 66 | 57 | 50 | 45 | 47 | 42 | 38 | 38 | 34 | 31 | 29 | 27 | 25 |    |    | 21 |
| 5   | 67  | 55  | 47  | 41  | 60 | 51 | 44 | 38 | 42 | 37 | 33 | 34 | 30 | 27 | 26 | 24 | 22 |    |    | 18 |
| 6   | 61  | 49  | 41  | 36  | 56 | 45 | 38 | 33 | 38 | 32 | 28 | 31 | 27 | 24 | 24 | 21 | 19 |    |    | 16 |
| 7   | 57  | 45  | 37  | 31  | 51 | 41 | 34 | 29 | 34 | 29 | 25 | 28 | 24 | 21 | 22 | 19 | 17 |    |    | 14 |
| 8   | 52  | 40  | 33  | 27  | 48 | 37 | 30 | 26 | 31 | 26 | 22 | 25 | 21 | 18 | 20 | 17 | 15 |    |    | 13 |
| 9   | 49  | 37  | 29  | 24  | 44 | 34 | 27 | 23 | 28 | 23 | 20 | 23 | 19 | 17 | 18 | 16 | 13 |    |    | 11 |
| 10  | 46  | 34  | 26  | 22  | 41 | 31 | 25 | 20 | 26 | 21 | 18 | 21 | 18 | 15 | 17 | 14 | 12 |    |    | 10 |

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

|     | 0°   | 90°  | 180° | 270° |
|-----|------|------|------|------|
| 0°  | 9161 | 9161 | 9161 | 9161 |
| 5°  | 9226 | 9247 | 9226 | 7271 |
| 10° | 9161 | 9109 | 9161 | 6513 |
| 15° | 9058 | 8912 | 9058 | 7442 |
| 20° | 8865 | 8678 | 8865 | 7457 |
| 25° | 8474 | 8337 | 8474 | 7299 |
| 30° | 7969 | 8054 | 7969 | 6952 |
| 35° | 7101 | 7696 | 7101 | 6571 |
| 40° | 5913 | 7274 | 5913 | 6283 |
| 45° | 5280 | 6781 | 5280 | 5952 |
| 50° | 5605 | 6192 | 5605 | 5619 |
| 55° | 5269 | 5558 | 5269 | 5426 |
| 60° | 5425 | 4720 | 5425 | 4971 |
| 65° | 4910 | 3902 | 4910 | 4362 |
| 70° | 3392 | 3110 | 3392 | 3657 |
| 75° | 2963 | 2299 | 2963 | 2753 |
| 80° | 2373 | 1520 | 2373 | 1655 |
| 85° | 1335 | 804  | 1335 | 684  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 8098 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 133.7  | 1.4       |
| 10°-20°   | 379.5  | 4.0       |
| 20°-30°   | 586.7  | 6.2       |
| 30°-40°   | 700.4  | 7.4       |
| 40°-50°   | 704.5  | 7.4       |
| 50°-60°   | 613.0  | 6.5       |
| 60°-70°   | 434.6  | 4.6       |
| 70°-80°   | 229.9  | 2.4       |
| 80°-90°   | 60.6   | 0.6       |
| 90°-100°  | 423.2  | 4.5       |
| 100°-110° | 1112.7 | 11.7      |
| 110°-120° | 1153.8 | 12.2      |
| 120°-130° | 925.5  | 9.8       |
| 130°-140° | 726.2  | 7.7       |
| 140°-150° | 557.4  | 5.9       |
| 150°-160° | 401.4  | 4.2       |
| 160°-170° | 245.6  | 2.6       |
| 170°-180° | 83.0   | 0.9       |
| 0°-30°    | 1099.9 | 11.6      |
| 0°-40°    | 1800.3 | 19.0      |
| 0°-60°    | 3117.8 | 32.9      |
| 0°-90°    | 3842.9 | 40.6      |
| 90°-120°  | 2689.7 | 28.4      |
| 90°-150°  | 4898.7 | 51.7      |
| 90°-180°  | 5629.0 | 59.4      |
| 0°-180°   | 9471.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1481 | 1481 | 1481 | 1481 | 1481 |      |
| 5°   | 1488 | 1534 | 1488 | 1206 | 1488 | 141  |
| 15°  | 1421 | 1520 | 1421 | 1269 | 1421 | 400  |
| 25°  | 1251 | 1418 | 1251 | 1241 | 1251 | 574  |
| 35°  | 951  | 1265 | 951  | 1080 | 951  | 589  |
| 45°  | 614  | 1042 | 614  | 915  | 614  | 492  |
| 55°  | 500  | 769  | 500  | 751  | 500  | 460  |
| 65°  | 347  | 464  | 347  | 518  | 347  | 332  |
| 75°  | 132  | 220  | 132  | 263  | 132  | 138  |
| 85°  | 22   | 56   | 22   | 48   | 22   | 30   |
| 90°  | 6    | 22   | 6    | 22   | 6    | 6    |
| 95°  | 56   | 256  | 56   | 256  | 56   | 62   |
| 105° | 200  | 1742 | 200  | 1742 | 200  | 212  |
| 115° | 356  | 2244 | 356  | 2244 | 356  | 352  |
| 125° | 495  | 1787 | 495  | 1787 | 495  | 440  |
| 135° | 590  | 1386 | 590  | 1386 | 590  | 457  |
| 145° | 685  | 1125 | 685  | 1125 | 685  | 429  |
| 155° | 774  | 968  | 774  | 968  | 774  | 356  |
| 165° | 835  | 902  | 835  | 902  | 835  | 236  |
| 175° | 868  | 874  | 868  | 874  | 868  | 82   |
| 180° | 868  | 868  | 868  | 868  | 868  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 |
| 2.5°   | 1493.5 | 1493.5 | 1501.9 | 1504.7 | 1504.7 | 1500.5 | 1496.3 | 1500.5 | 1513.1 | 1517.3 | 1515.9 |
| 5°     | 1487.9 | 1499.1 | 1514.5 | 1517.3 | 1520.1 | 1518.7 | 1515.9 | 1518.7 | 1532.7 | 1535.5 | 1536.9 |
| 7.5°   | 1476.7 | 1497.7 | 1517.3 | 1521.5 | 1525.7 | 1521.5 | 1520.1 | 1522.9 | 1536.9 | 1539.7 | 1539.7 |
| 10°    | 1462.6 | 1492.1 | 1514.5 | 1517.3 | 1521.5 | 1517.3 | 1517.3 | 1522.9 | 1536.9 | 1539.7 | 1541.1 |
| 12.5°  | 1443.0 | 1483.7 | 1504.7 | 1507.5 | 1513.1 | 1511.7 | 1510.3 | 1515.9 | 1529.9 | 1532.7 | 1532.7 |
| 15°    | 1420.6 | 1468.2 | 1487.9 | 1490.7 | 1500.5 | 1497.7 | 1497.7 | 1503.3 | 1518.7 | 1522.9 | 1521.5 |
| 17.5°  | 1389.8 | 1448.6 | 1471.1 | 1475.3 | 1482.3 | 1480.9 | 1482.3 | 1487.9 | 1501.9 | 1504.7 | 1506.1 |
| 20°    | 1354.8 | 1422.0 | 1448.6 | 1452.8 | 1459.8 | 1459.8 | 1459.8 | 1466.8 | 1480.9 | 1486.5 | 1486.5 |
| 22.5°  | 1307.1 | 1394.0 | 1422.0 | 1424.8 | 1433.2 | 1433.2 | 1436.0 | 1445.8 | 1458.4 | 1459.8 | 1459.8 |
| 25°    | 1251.1 | 1363.2 | 1387.0 | 1395.4 | 1403.8 | 1408.0 | 1412.2 | 1417.8 | 1422.0 | 1420.6 | 1422.0 |
| 27.5°  | 1192.3 | 1323.9 | 1354.8 | 1360.4 | 1371.6 | 1375.8 | 1381.4 | 1382.8 | 1384.2 | 1388.4 | 1385.6 |
| 30°    | 1126.4 | 1269.3 | 1315.5 | 1321.1 | 1339.4 | 1342.2 | 1336.6 | 1339.4 | 1346.4 | 1349.2 | 1352.0 |
| 32.5°  | 1052.2 | 1188.0 | 1274.9 | 1287.5 | 1304.3 | 1295.9 | 1294.5 | 1298.7 | 1309.9 | 1309.9 | 1312.7 |
| 35°    | 951.3  | 1125.0 | 1237.1 | 1248.3 | 1260.9 | 1251.1 | 1256.7 | 1258.1 | 1265.1 | 1269.3 | 1267.9 |
| 37.5°  | 840.6  | 1070.4 | 1197.9 | 1206.3 | 1216.1 | 1203.5 | 1211.9 | 1216.1 | 1221.7 | 1218.9 | 1218.9 |
| 40°    | 742.5  | 984.9  | 1151.6 | 1157.2 | 1165.6 | 1155.8 | 1164.2 | 1167.0 | 1169.8 | 1167.0 | 1165.6 |
| 42.5°  | 669.7  | 891.0  | 1102.6 | 1109.6 | 1104.0 | 1111.0 | 1113.8 | 1119.4 | 1115.2 | 1109.6 | 1109.6 |
| 45°    | 613.6  | 865.8  | 1049.3 | 1057.8 | 1049.3 | 1060.6 | 1064.8 | 1064.8 | 1052.2 | 1049.3 | 1047.9 |
| 47.5°  | 595.4  | 815.4  | 996.1  | 996.1  | 991.9  | 1005.9 | 1012.9 | 1003.1 | 990.5  | 986.3  | 986.3  |
| 50°    | 594.0  | 759.3  | 923.3  | 917.7  | 937.3  | 954.1  | 947.1  | 937.3  | 927.5  | 912.1  | 912.1  |
| 52.5°  | 539.4  | 690.7  | 829.4  | 850.4  | 881.2  | 891.0  | 879.8  | 870.0  | 853.2  | 846.2  | 840.6  |
| 55°    | 500.2  | 619.2  | 743.9  | 786.0  | 818.2  | 830.8  | 809.8  | 800.0  | 774.8  | 770.6  | 767.7  |
| 57.5°  | 491.8  | 515.6  | 665.5  | 718.7  | 757.9  | 756.5  | 743.9  | 725.7  | 704.7  | 700.5  | 699.1  |
| 60°    | 451.1  | 372.7  | 581.4  | 644.5  | 685.1  | 680.9  | 669.7  | 652.9  | 633.3  | 630.4  | 627.6  |
| 62.5°  | 409.1  | 270.4  | 486.1  | 557.6  | 615.0  | 613.6  | 603.8  | 578.6  | 564.6  | 557.6  | 552.0  |
| 65°    | 347.4  | 227.0  | 346.0  | 463.7  | 546.4  | 549.2  | 528.2  | 510.0  | 494.6  | 486.1  | 484.7  |
| 67.5°  | 264.8  | 184.9  | 234.0  | 386.7  | 480.5  | 477.7  | 451.1  | 442.7  | 423.1  | 418.9  | 410.5  |
| 70°    | 196.1  | 123.3  | 162.5  | 313.8  | 416.1  | 409.1  | 388.1  | 378.3  | 360.1  | 350.2  | 344.6  |
| 72.5°  | 162.5  | 99.5   | 119.1  | 243.8  | 350.2  | 341.8  | 323.6  | 312.4  | 297.0  | 288.6  | 283.0  |
| 75°    | 131.7  | 105.1  | 91.1   | 180.7  | 284.4  | 278.8  | 262.0  | 250.8  | 238.2  | 227.0  | 228.4  |
| 77.5°  | 96.7   | 98.1   | 72.9   | 133.1  | 225.6  | 217.2  | 207.3  | 193.3  | 187.7  | 176.5  | 176.5  |
| 80°    | 72.9   | 77.1   | 54.6   | 91.1   | 162.5  | 162.5  | 154.1  | 144.3  | 134.5  | 128.9  | 128.9  |
| 82.5°  | 49.0   | 49.0   | 40.6   | 57.4   | 110.7  | 106.5  | 100.9  | 98.1   | 92.5   | 89.7   | 89.7   |
| 85°    | 22.4   | 28.0   | 25.2   | 35.0   | 60.2   | 63.0   | 63.0   | 60.2   | 58.8   | 56.0   | 57.4   |
| 87.5°  | 7.0    | 12.6   | 15.4   | 19.6   | 30.8   | 32.2   | 33.6   | 33.6   | 33.6   | 35.0   | 35.0   |
| 90°    | 5.8    | 10.5   | 15.1   | 16.3   | 25.7   | 38.1   | 44.3   | 39.3   | 29.5   | 22.1   | 22.1   |
| 92.5°  | 23.4   | 63.0   | 102.6  | 112.5  | 158.1  | 218.9  | 249.4  | 218.6  | 156.9  | 110.7  | 106.3  |
| 95°    | 55.9   | 128.4  | 201.0  | 219.1  | 389.1  | 615.7  | 729.0  | 650.5  | 493.5  | 375.8  | 362.5  |
| 97.5°  | 96.8   | 160.7  | 224.7  | 240.7  | 524.1  | 902.0  | 1090.9 | 1041.3 | 942.1  | 867.7  | 842.3  |
| 100°   | 128.2  | 186.2  | 244.2  | 258.7  | 573.2  | 992.5  | 1202.2 | 1205.8 | 1213.1 | 1218.5 | 1188.2 |
| 102.5° | 155.0  | 209.2  | 263.3  | 276.8  | 595.8  | 1021.0 | 1233.6 | 1296.9 | 1423.2 | 1518.0 | 1492.2 |
| 105°   | 200.4  | 246.3  | 292.2  | 303.6  | 612.5  | 1024.3 | 1230.2 | 1371.9 | 1655.1 | 1867.6 | 1853.7 |
| 107.5° | 247.0  | 289.8  | 332.6  | 343.2  | 615.6  | 978.6  | 1160.2 | 1357.8 | 1753.0 | 2049.5 | 2052.8 |
| 110°   | 278.5  | 317.1  | 355.8  | 365.4  | 610.9  | 938.3  | 1101.9 | 1322.8 | 1764.7 | 2096.1 | 2110.6 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 112.5° | 309.4 | 346.2 | 383.0 | 392.2 | 611.1 | 903.0 | 1048.9 | 1275.0 | 1727.2 | 2066.4 | 2088.6 |
| 115°   | 356.0 | 389.9 | 423.8 | 432.3 | 616.7 | 862.5 | 985.4  | 1203.2 | 1638.9 | 1965.6 | 1996.5 |
| 117.5° | 402.1 | 432.9 | 463.7 | 471.4 | 628.1 | 837.1 | 941.7  | 1138.3 | 1531.4 | 1826.3 | 1860.5 |
| 120°   | 428.9 | 457.9 | 486.9 | 494.2 | 637.5 | 828.6 | 924.2  | 1103.8 | 1463.0 | 1732.5 | 1765.7 |
| 122.5° | 455.1 | 484.4 | 513.7 | 521.0 | 650.9 | 824.2 | 910.8  | 1072.6 | 1396.0 | 1638.6 | 1671.5 |
| 125°   | 495.3 | 522.0 | 548.7 | 555.4 | 669.0 | 820.5 | 896.3  | 1033.7 | 1308.4 | 1514.6 | 1544.8 |
| 127.5° | 528.0 | 554.9 | 581.9 | 588.6 | 687.1 | 818.4 | 884.0  | 1002.0 | 1237.9 | 1414.9 | 1440.4 |
| 130°   | 545.5 | 574.5 | 603.5 | 610.7 | 700.3 | 819.7 | 879.4  | 984.3  | 1194.4 | 1352.0 | 1375.5 |
| 132.5° | 563.5 | 592.5 | 621.5 | 628.8 | 711.0 | 820.5 | 875.3  | 969.3  | 1157.3 | 1298.4 | 1319.5 |
| 135°   | 590.3 | 616.7 | 643.2 | 649.8 | 722.6 | 819.7 | 868.2  | 947.0  | 1104.5 | 1222.6 | 1240.8 |
| 137.5° | 617.7 | 643.8 | 670.1 | 676.6 | 740.1 | 824.8 | 867.1  | 933.7  | 1066.8 | 1166.7 | 1181.5 |
| 140°   | 640.4 | 664.5 | 688.6 | 694.6 | 750.7 | 825.6 | 863.0  | 920.6  | 1035.5 | 1121.7 | 1135.7 |
| 142.5° | 657.9 | 680.2 | 702.5 | 708.1 | 759.7 | 828.6 | 863.0  | 913.5  | 1014.5 | 1090.3 | 1102.2 |
| 145°   | 684.7 | 704.1 | 723.6 | 728.4 | 771.4 | 828.6 | 857.2  | 898.5  | 981.2  | 1043.1 | 1052.2 |
| 147.5° | 711.5 | 730.4 | 749.3 | 754.0 | 788.4 | 834.2 | 857.2  | 889.7  | 954.7  | 1003.5 | 1011.0 |
| 150°   | 729.0 | 746.1 | 763.2 | 767.5 | 797.4 | 837.2 | 857.2  | 884.7  | 939.5  | 980.7  | 986.8  |
| 152.5° | 747.1 | 760.1 | 773.0 | 776.2 | 803.2 | 839.2 | 857.2  | 880.7  | 927.6  | 962.7  | 967.3  |
| 155°   | 773.9 | 783.4 | 793.0 | 795.4 | 816.0 | 843.5 | 857.2  | 875.9  | 913.2  | 941.1  | 944.2  |
| 157.5° | 793.7 | 803.1 | 812.3 | 814.6 | 828.8 | 847.8 | 857.2  | 871.7  | 900.7  | 922.5  | 924.7  |
| 160°   | 807.1 | 814.4 | 821.6 | 823.4 | 834.7 | 849.8 | 857.2  | 869.6  | 894.5  | 913.2  | 914.4  |
| 162.5° | 820.5 | 825.9 | 831.4 | 832.8 | 840.9 | 851.8 | 857.2  | 867.7  | 888.7  | 904.4  | 905.5  |
| 165°   | 835.1 | 839.9 | 844.9 | 846.1 | 849.8 | 854.8 | 857.2  | 864.7  | 879.7  | 891.0  | 892.3  |
| 167.5° | 848.4 | 850.8 | 853.1 | 853.7 | 856.8 | 861.0 | 863.0  | 868.0  | 877.8  | 885.2  | 885.7  |
| 170°   | 857.2 | 859.6 | 861.9 | 862.5 | 862.6 | 862.9 | 863.0  | 868.0  | 877.8  | 885.2  | 885.2  |
| 172.5° | 861.9 | 862.4 | 862.9 | 863.0 | 863.0 | 863.0 | 863.0  | 866.9  | 874.7  | 880.5  | 880.0  |
| 175°   | 868.2 | 868.2 | 868.2 | 868.2 | 866.5 | 864.1 | 863.0  | 865.4  | 870.4  | 874.1  | 874.1  |
| 177.5° | 868.2 | 868.2 | 868.2 | 868.2 | 866.9 | 865.2 | 864.2  | 866.2  | 870.0  | 872.9  | 872.4  |
| 180°   | 868.2 | 868.2 | 868.2 | 868.2 | 868.2 | 868.2 | 868.2  | 868.2  | 868.2  | 868.2  | 868.2  |

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CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 |
| 2.5°   | 1518.7 | 1514.5 | 1518.7 | 1515.9 | 1517.3 | 1513.1 | 1500.5 | 1496.3 | 1500.5 | 1504.7 | 1504.7 |
| 5°     | 1536.9 | 1534.1 | 1536.9 | 1536.9 | 1535.5 | 1532.7 | 1518.7 | 1515.9 | 1518.7 | 1520.1 | 1517.3 |
| 7.5°   | 1542.5 | 1538.3 | 1542.5 | 1539.7 | 1539.7 | 1536.9 | 1522.9 | 1520.1 | 1521.5 | 1525.7 | 1521.5 |
| 10°    | 1542.5 | 1538.3 | 1542.5 | 1541.1 | 1539.7 | 1536.9 | 1522.9 | 1517.3 | 1517.3 | 1521.5 | 1517.3 |
| 12.5°  | 1535.5 | 1532.7 | 1535.5 | 1532.7 | 1532.7 | 1529.9 | 1515.9 | 1510.3 | 1511.7 | 1513.1 | 1507.5 |
| 15°    | 1524.3 | 1520.1 | 1524.3 | 1521.5 | 1522.9 | 1518.7 | 1503.3 | 1497.7 | 1497.7 | 1500.5 | 1490.7 |
| 17.5°  | 1507.5 | 1501.9 | 1507.5 | 1506.1 | 1504.7 | 1501.9 | 1487.9 | 1482.3 | 1480.9 | 1482.3 | 1475.3 |
| 20°    | 1487.9 | 1483.7 | 1487.9 | 1486.5 | 1486.5 | 1480.9 | 1466.8 | 1459.8 | 1459.8 | 1459.8 | 1452.8 |
| 22.5°  | 1457.0 | 1452.8 | 1457.0 | 1459.8 | 1459.8 | 1458.4 | 1445.8 | 1436.0 | 1433.2 | 1433.2 | 1424.8 |
| 25°    | 1422.0 | 1417.8 | 1422.0 | 1422.0 | 1420.6 | 1422.0 | 1417.8 | 1412.2 | 1408.0 | 1403.8 | 1395.4 |
| 27.5°  | 1388.4 | 1385.6 | 1388.4 | 1385.6 | 1388.4 | 1384.2 | 1382.8 | 1381.4 | 1375.8 | 1371.6 | 1360.4 |
| 30°    | 1354.8 | 1352.0 | 1354.8 | 1352.0 | 1349.2 | 1346.4 | 1339.4 | 1336.6 | 1342.2 | 1339.4 | 1321.1 |
| 32.5°  | 1312.7 | 1309.9 | 1312.7 | 1312.7 | 1309.9 | 1309.9 | 1298.7 | 1294.5 | 1295.9 | 1304.3 | 1287.5 |
| 35°    | 1269.3 | 1265.1 | 1269.3 | 1267.9 | 1269.3 | 1265.1 | 1258.1 | 1256.7 | 1251.1 | 1260.9 | 1248.3 |
| 37.5°  | 1218.9 | 1214.7 | 1218.9 | 1218.9 | 1218.9 | 1221.7 | 1216.1 | 1211.9 | 1203.5 | 1216.1 | 1206.3 |
| 40°    | 1167.0 | 1161.4 | 1167.0 | 1165.6 | 1167.0 | 1169.8 | 1167.0 | 1164.2 | 1155.8 | 1165.6 | 1157.2 |
| 42.5°  | 1108.2 | 1106.8 | 1108.2 | 1109.6 | 1109.6 | 1115.2 | 1119.4 | 1113.8 | 1111.0 | 1104.0 | 1109.6 |
| 45°    | 1045.1 | 1042.3 | 1045.1 | 1047.9 | 1049.3 | 1052.2 | 1064.8 | 1064.8 | 1060.6 | 1049.3 | 1057.8 |
| 47.5°  | 977.9  | 970.9  | 977.9  | 986.3  | 986.3  | 990.5  | 1003.1 | 1012.9 | 1005.9 | 991.9  | 996.1  |
| 50°    | 906.4  | 907.8  | 906.4  | 912.1  | 912.1  | 927.5  | 937.3  | 947.1  | 954.1  | 937.3  | 917.7  |
| 52.5°  | 836.4  | 835.0  | 836.4  | 840.6  | 846.2  | 853.2  | 870.0  | 879.8  | 891.0  | 881.2  | 850.4  |
| 55°    | 766.3  | 769.1  | 766.3  | 767.7  | 770.6  | 774.8  | 800.0  | 809.8  | 830.8  | 818.2  | 786.0  |
| 57.5°  | 696.3  | 692.1  | 696.3  | 699.1  | 700.5  | 704.7  | 725.7  | 743.9  | 756.5  | 757.9  | 718.7  |
| 60°    | 615.0  | 609.4  | 615.0  | 627.6  | 630.4  | 633.3  | 652.9  | 669.7  | 680.9  | 685.1  | 644.5  |
| 62.5°  | 543.6  | 533.8  | 543.6  | 552.0  | 557.6  | 564.6  | 578.6  | 603.8  | 613.6  | 615.0  | 557.6  |
| 65°    | 467.9  | 463.7  | 467.9  | 484.7  | 486.1  | 494.6  | 510.0  | 528.2  | 549.2  | 546.4  | 463.7  |
| 67.5°  | 399.3  | 399.3  | 399.3  | 410.5  | 418.9  | 423.1  | 442.7  | 451.1  | 477.7  | 480.5  | 386.7  |
| 70°    | 336.2  | 334.8  | 336.2  | 344.6  | 350.2  | 360.1  | 378.3  | 388.1  | 409.1  | 416.1  | 313.8  |
| 72.5°  | 276.0  | 274.6  | 276.0  | 283.0  | 288.6  | 297.0  | 312.4  | 323.6  | 341.8  | 350.2  | 243.8  |
| 75°    | 222.8  | 220.0  | 222.8  | 228.4  | 227.0  | 238.2  | 250.8  | 262.0  | 278.8  | 284.4  | 180.7  |
| 77.5°  | 170.9  | 170.9  | 170.9  | 176.5  | 176.5  | 187.7  | 193.3  | 207.3  | 217.2  | 225.6  | 133.1  |
| 80°    | 127.5  | 126.1  | 127.5  | 128.9  | 128.9  | 134.5  | 144.3  | 154.1  | 162.5  | 162.5  | 91.1   |
| 82.5°  | 89.7   | 86.9   | 89.7   | 89.7   | 89.7   | 92.5   | 98.1   | 100.9  | 106.5  | 110.7  | 57.4   |
| 85°    | 56.0   | 56.0   | 56.0   | 57.4   | 56.0   | 58.8   | 60.2   | 63.0   | 63.0   | 60.2   | 35.0   |
| 87.5°  | 36.4   | 35.0   | 36.4   | 35.0   | 35.0   | 33.6   | 33.6   | 33.6   | 32.2   | 30.8   | 19.6   |
| 90°    | 22.1   | 22.1   | 22.1   | 22.1   | 22.1   | 29.5   | 39.3   | 44.3   | 38.1   | 25.7   | 16.3   |
| 92.5°  | 88.6   | 71.1   | 88.6   | 106.3  | 110.7  | 156.9  | 218.6  | 249.4  | 218.9  | 158.1  | 112.5  |
| 95°    | 309.2  | 255.8  | 309.2  | 362.5  | 375.8  | 493.5  | 650.5  | 729.0  | 615.7  | 389.1  | 219.1  |
| 97.5°  | 740.8  | 639.2  | 740.8  | 842.3  | 867.7  | 942.1  | 1041.3 | 1090.9 | 902.0  | 524.1  | 240.7  |
| 100°   | 1067.3 | 946.3  | 1067.3 | 1188.2 | 1218.5 | 1213.1 | 1205.8 | 1202.2 | 992.5  | 573.2  | 258.7  |
| 102.5° | 1388.5 | 1284.9 | 1388.5 | 1492.2 | 1518.0 | 1423.2 | 1296.9 | 1233.6 | 1021.0 | 595.8  | 276.8  |
| 105°   | 1798.0 | 1742.4 | 1798.0 | 1853.7 | 1867.6 | 1655.1 | 1371.9 | 1230.2 | 1024.3 | 612.5  | 303.6  |
| 107.5° | 2066.4 | 2079.8 | 2066.4 | 2052.8 | 2049.5 | 1753.0 | 1357.8 | 1160.2 | 978.6  | 615.6  | 343.2  |
| 110°   | 2168.7 | 2226.7 | 2168.7 | 2110.6 | 2096.1 | 1764.7 | 1322.8 | 1101.9 | 938.3  | 610.9  | 365.4  |



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**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°  | 150°  | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|
| 112.5° | 2177.7 | 2266.8 | 2177.7 | 2088.6 | 2066.4 | 1727.2 | 1275.0 | 1048.9 | 903.0 | 611.1 | 392.2  |
| 115°   | 2120.0 | 2243.6 | 2120.0 | 1996.5 | 1965.6 | 1638.9 | 1203.2 | 985.4  | 862.5 | 616.7 | 432.3  |
| 117.5° | 1997.5 | 2134.6 | 1997.5 | 1860.5 | 1826.3 | 1531.4 | 1138.3 | 941.7  | 837.1 | 628.1 | 471.4  |
| 120°   | 1898.9 | 2032.0 | 1898.9 | 1765.7 | 1732.5 | 1463.0 | 1103.8 | 924.2  | 828.6 | 637.5 | 494.2  |
| 122.5° | 1802.8 | 1934.1 | 1802.8 | 1671.5 | 1638.6 | 1396.0 | 1072.6 | 910.8  | 824.2 | 650.9 | 521.0  |
| 125°   | 1665.7 | 1786.6 | 1665.7 | 1544.8 | 1514.6 | 1308.4 | 1033.7 | 896.3  | 820.5 | 669.0 | 555.4  |
| 127.5° | 1542.5 | 1644.5 | 1542.5 | 1440.4 | 1414.9 | 1237.9 | 1002.0 | 884.0  | 818.4 | 687.1 | 588.6  |
| 130°   | 1469.8 | 1564.1 | 1469.8 | 1375.5 | 1352.0 | 1194.4 | 984.3  | 879.4  | 819.7 | 700.3 | 610.7  |
| 132.5° | 1403.9 | 1488.3 | 1403.9 | 1319.5 | 1298.4 | 1157.3 | 969.3  | 875.3  | 820.5 | 711.0 | 628.8  |
| 135°   | 1313.6 | 1386.3 | 1313.6 | 1240.8 | 1222.6 | 1104.5 | 947.0  | 868.2  | 819.7 | 722.6 | 649.8  |
| 137.5° | 1241.1 | 1300.7 | 1241.1 | 1181.5 | 1166.7 | 1066.8 | 933.7  | 867.1  | 824.8 | 740.1 | 676.6  |
| 140°   | 1191.4 | 1247.1 | 1191.4 | 1135.7 | 1121.7 | 1035.5 | 920.6  | 863.0  | 825.6 | 750.7 | 694.6  |
| 142.5° | 1150.2 | 1198.1 | 1150.2 | 1102.2 | 1090.3 | 1014.5 | 913.5  | 863.0  | 828.6 | 759.7 | 708.1  |
| 145°   | 1088.5 | 1124.7 | 1088.5 | 1052.2 | 1043.1 | 981.2  | 898.5  | 857.2  | 828.6 | 771.4 | 728.4  |
| 147.5° | 1041.0 | 1071.1 | 1041.0 | 1011.0 | 1003.5 | 954.7  | 889.7  | 857.2  | 834.2 | 788.4 | 754.0  |
| 150°   | 1011.1 | 1035.5 | 1011.1 | 986.8  | 980.7  | 939.5  | 884.7  | 857.2  | 837.2 | 797.4 | 767.5  |
| 152.5° | 985.7  | 1004.0 | 985.7  | 967.3  | 962.7  | 927.6  | 880.7  | 857.2  | 839.2 | 803.2 | 776.2  |
| 155°   | 956.3  | 968.5  | 956.3  | 944.2  | 941.1  | 913.2  | 875.9  | 857.2  | 843.5 | 816.0 | 795.4  |
| 157.5° | 933.2  | 941.7  | 933.2  | 924.7  | 922.5  | 900.7  | 871.7  | 857.2  | 847.8 | 828.8 | 814.6  |
| 160°   | 919.3  | 924.2  | 919.3  | 914.4  | 913.2  | 894.5  | 869.6  | 857.2  | 849.8 | 834.7 | 823.4  |
| 162.5° | 910.2  | 914.9  | 910.2  | 905.5  | 904.4  | 888.7  | 867.7  | 857.2  | 851.8 | 840.9 | 832.8  |
| 165°   | 897.2  | 902.1  | 897.2  | 892.3  | 891.0  | 879.7  | 864.7  | 857.2  | 854.8 | 849.8 | 846.1  |
| 167.5° | 887.8  | 889.8  | 887.8  | 885.7  | 885.2  | 877.8  | 868.0  | 863.0  | 861.0 | 856.8 | 853.7  |
| 170°   | 885.2  | 885.2  | 885.2  | 885.2  | 885.2  | 877.8  | 868.0  | 863.0  | 862.9 | 862.6 | 862.5  |
| 172.5° | 878.2  | 876.5  | 878.2  | 880.0  | 880.5  | 874.7  | 866.9  | 863.0  | 863.0 | 863.0 | 863.0  |
| 175°   | 874.1  | 874.1  | 874.1  | 874.1  | 874.1  | 870.4  | 865.4  | 863.0  | 864.1 | 866.5 | 868.2  |
| 177.5° | 870.3  | 868.2  | 870.3  | 872.4  | 872.9  | 870.0  | 866.2  | 864.2  | 865.2 | 866.9 | 868.2  |
| 180°   | 868.2  | 868.2  | 868.2  | 868.2  | 868.2  | 868.2  | 868.2  | 868.2  | 868.2 | 868.2 | 868.2  |

TEST NUMBER: P935191

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 |
| 2.5°   | 1501.9 | 1493.5 | 1493.5 | 1479.5 | 1473.9 | 1469.6 | 1462.6 | 1441.6 | 1436.0 | 1430.4 | 1438.8 |
| 5°     | 1514.5 | 1499.1 | 1487.9 | 1462.6 | 1441.6 | 1433.2 | 1406.6 | 1356.2 | 1322.5 | 1297.3 | 1283.3 |
| 7.5°   | 1517.3 | 1497.7 | 1476.7 | 1437.4 | 1387.0 | 1364.6 | 1283.3 | 1190.9 | 1165.6 | 1143.2 | 1129.2 |
| 10°    | 1514.5 | 1492.1 | 1462.6 | 1403.8 | 1284.7 | 1245.5 | 1164.2 | 1104.0 | 1088.6 | 1084.4 | 1088.6 |
| 12.5°  | 1504.7 | 1483.7 | 1443.0 | 1345.0 | 1178.2 | 1151.6 | 1104.0 | 1069.0 | 1066.2 | 1073.2 | 1111.0 |
| 15°    | 1487.9 | 1468.2 | 1420.6 | 1266.5 | 1119.4 | 1099.8 | 1066.2 | 1053.6 | 1069.0 | 1118.0 | 1231.5 |
| 17.5°  | 1471.1 | 1448.6 | 1389.8 | 1189.4 | 1074.6 | 1060.6 | 1036.7 | 1062.0 | 1148.8 | 1214.7 | 1252.5 |
| 20°    | 1448.6 | 1422.0 | 1354.8 | 1133.4 | 1042.3 | 1029.7 | 1018.5 | 1132.0 | 1197.9 | 1221.7 | 1242.7 |
| 22.5°  | 1422.0 | 1394.0 | 1307.1 | 1094.2 | 1008.7 | 998.9  | 1005.9 | 1171.2 | 1197.9 | 1214.7 | 1232.9 |
| 25°    | 1387.0 | 1363.2 | 1251.1 | 1063.4 | 982.1  | 970.9  | 997.5  | 1167.0 | 1182.4 | 1186.6 | 1223.1 |
| 27.5°  | 1354.8 | 1323.9 | 1192.3 | 1035.3 | 949.9  | 945.7  | 1004.5 | 1148.8 | 1160.0 | 1164.2 | 1203.5 |
| 30°    | 1315.5 | 1269.3 | 1126.4 | 1005.9 | 916.3  | 914.9  | 1005.9 | 1126.4 | 1123.6 | 1134.8 | 1174.0 |
| 32.5°  | 1274.9 | 1188.0 | 1052.2 | 969.5  | 884.0  | 882.6  | 996.1  | 1092.8 | 1090.0 | 1105.4 | 1134.8 |
| 35°    | 1237.1 | 1125.0 | 951.3  | 927.5  | 843.4  | 844.8  | 972.3  | 1053.6 | 1055.0 | 1069.0 | 1087.2 |
| 37.5°  | 1197.9 | 1070.4 | 840.6  | 881.2  | 804.2  | 804.2  | 940.1  | 1017.1 | 1014.3 | 1018.5 | 1043.7 |
| 40°    | 1151.6 | 984.9  | 742.5  | 821.0  | 767.7  | 763.5  | 900.8  | 977.9  | 968.1  | 966.7  | 1001.7 |
| 42.5°  | 1102.6 | 891.0  | 669.7  | 741.1  | 725.7  | 720.1  | 853.2  | 930.3  | 912.1  | 916.3  | 961.1  |
| 45°    | 1049.3 | 865.8  | 613.6  | 626.2  | 682.3  | 678.1  | 801.4  | 875.6  | 863.0  | 874.2  | 920.5  |
| 47.5°  | 996.1  | 815.4  | 595.4  | 519.8  | 636.1  | 634.7  | 743.9  | 822.4  | 815.4  | 826.6  | 875.6  |
| 50°    | 923.3  | 759.3  | 594.0  | 445.5  | 584.2  | 589.8  | 675.3  | 770.6  | 770.6  | 780.4  | 832.2  |
| 52.5°  | 829.4  | 690.7  | 539.4  | 403.5  | 524.0  | 540.8  | 615.0  | 725.7  | 728.5  | 738.3  | 784.6  |
| 55°    | 743.9  | 619.2  | 500.2  | 371.3  | 452.5  | 488.9  | 556.2  | 679.5  | 685.1  | 694.9  | 736.9  |
| 57.5°  | 665.5  | 515.6  | 491.8  | 333.4  | 386.7  | 421.7  | 504.4  | 634.7  | 637.5  | 645.9  | 686.5  |
| 60°    | 581.4  | 372.7  | 451.1  | 292.8  | 329.2  | 355.9  | 456.7  | 581.4  | 591.2  | 596.8  | 631.9  |
| 62.5°  | 486.1  | 270.4  | 409.1  | 264.8  | 301.2  | 306.8  | 417.5  | 531.0  | 543.6  | 547.8  | 568.8  |
| 65°    | 346.0  | 227.0  | 347.4  | 241.0  | 271.8  | 273.2  | 375.5  | 479.1  | 490.4  | 497.4  | 512.8  |
| 67.5°  | 234.0  | 184.9  | 264.8  | 218.6  | 249.4  | 250.8  | 334.8  | 418.9  | 434.3  | 439.9  | 449.7  |
| 70°    | 162.5  | 123.3  | 196.1  | 194.7  | 224.2  | 227.0  | 291.4  | 364.3  | 378.3  | 382.5  | 388.1  |
| 72.5°  | 119.1  | 99.5   | 162.5  | 175.1  | 197.5  | 200.3  | 246.6  | 302.6  | 316.6  | 320.8  | 323.6  |
| 75°    | 91.1   | 105.1  | 131.7  | 152.7  | 168.1  | 169.5  | 201.7  | 246.6  | 256.4  | 259.2  | 260.6  |
| 77.5°  | 72.9   | 98.1   | 96.7   | 123.3  | 137.3  | 134.5  | 158.3  | 190.5  | 198.9  | 198.9  | 198.9  |
| 80°    | 54.6   | 77.1   | 72.9   | 88.3   | 100.9  | 98.1   | 113.5  | 135.9  | 138.7  | 141.5  | 140.1  |
| 82.5°  | 40.6   | 49.0   | 49.0   | 56.0   | 67.2   | 64.4   | 75.7   | 88.3   | 88.3   | 88.3   | 91.1   |
| 85°    | 25.2   | 28.0   | 22.4   | 29.4   | 37.8   | 36.4   | 42.0   | 47.6   | 49.0   | 49.0   | 46.2   |
| 87.5°  | 15.4   | 12.6   | 7.0    | 11.2   | 16.8   | 16.8   | 19.6   | 21.0   | 19.6   | 19.6   | 19.6   |
| 90°    | 15.1   | 10.5   | 5.8    | 10.5   | 15.1   | 16.3   | 25.7   | 38.1   | 44.3   | 39.3   | 29.5   |
| 92.5°  | 102.6  | 63.0   | 23.4   | 63.0   | 102.6  | 112.5  | 158.1  | 218.9  | 249.4  | 218.6  | 156.9  |
| 95°    | 201.0  | 128.4  | 55.9   | 128.4  | 201.0  | 219.1  | 389.1  | 615.7  | 729.0  | 650.5  | 493.5  |
| 97.5°  | 224.7  | 160.7  | 96.8   | 160.7  | 224.7  | 240.7  | 524.1  | 902.0  | 1090.9 | 1041.3 | 942.1  |
| 100°   | 244.2  | 186.2  | 128.2  | 186.2  | 244.2  | 258.7  | 573.2  | 992.5  | 1202.2 | 1205.8 | 1213.1 |
| 102.5° | 263.3  | 209.2  | 155.0  | 209.2  | 263.3  | 276.8  | 595.8  | 1021.0 | 1233.6 | 1296.9 | 1423.2 |
| 105°   | 292.2  | 246.3  | 200.4  | 246.3  | 292.2  | 303.6  | 612.5  | 1024.3 | 1230.2 | 1371.9 | 1655.1 |
| 107.5° | 332.6  | 289.8  | 247.0  | 289.8  | 332.6  | 343.2  | 615.6  | 978.6  | 1160.2 | 1357.8 | 1753.0 |
| 110°   | 355.8  | 317.1  | 278.5  | 317.1  | 355.8  | 365.4  | 610.9  | 938.3  | 1101.9 | 1322.8 | 1764.7 |

TEST NUMBER: P935191

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 160°  | 170°  | 180°  | 190°  | 200°  | 202.5° | 210°  | 220°  | 225°   | 230°   | 240°   |
|--------|-------|-------|-------|-------|-------|--------|-------|-------|--------|--------|--------|
| 112.5° | 383.0 | 346.2 | 309.4 | 346.2 | 383.0 | 392.2  | 611.1 | 903.0 | 1048.9 | 1275.0 | 1727.2 |
| 115°   | 423.8 | 389.9 | 356.0 | 389.9 | 423.8 | 432.3  | 616.7 | 862.5 | 985.4  | 1203.2 | 1638.9 |
| 117.5° | 463.7 | 432.9 | 402.1 | 432.9 | 463.7 | 471.4  | 628.1 | 837.1 | 941.7  | 1138.3 | 1531.4 |
| 120°   | 486.9 | 457.9 | 428.9 | 457.9 | 486.9 | 494.2  | 637.5 | 828.6 | 924.2  | 1103.8 | 1463.0 |
| 122.5° | 513.7 | 484.4 | 455.1 | 484.4 | 513.7 | 521.0  | 650.9 | 824.2 | 910.8  | 1072.6 | 1396.0 |
| 125°   | 548.7 | 522.0 | 495.3 | 522.0 | 548.7 | 555.4  | 669.0 | 820.5 | 896.3  | 1033.7 | 1308.4 |
| 127.5° | 581.9 | 554.9 | 528.0 | 554.9 | 581.9 | 588.6  | 687.1 | 818.4 | 884.0  | 1002.0 | 1237.9 |
| 130°   | 603.5 | 574.5 | 545.5 | 574.5 | 603.5 | 610.7  | 700.3 | 819.7 | 879.4  | 984.3  | 1194.4 |
| 132.5° | 621.5 | 592.5 | 563.5 | 592.5 | 621.5 | 628.8  | 711.0 | 820.5 | 875.3  | 969.3  | 1157.3 |
| 135°   | 643.2 | 616.7 | 590.3 | 616.7 | 643.2 | 649.8  | 722.6 | 819.7 | 868.2  | 947.0  | 1104.5 |
| 137.5° | 670.1 | 643.8 | 617.7 | 643.8 | 670.1 | 676.6  | 740.1 | 824.8 | 867.1  | 933.7  | 1066.8 |
| 140°   | 688.6 | 664.5 | 640.4 | 664.5 | 688.6 | 694.6  | 750.7 | 825.6 | 863.0  | 920.6  | 1035.5 |
| 142.5° | 702.5 | 680.2 | 657.9 | 680.2 | 702.5 | 708.1  | 759.7 | 828.6 | 863.0  | 913.5  | 1014.5 |
| 145°   | 723.6 | 704.1 | 684.7 | 704.1 | 723.6 | 728.4  | 771.4 | 828.6 | 857.2  | 898.5  | 981.2  |
| 147.5° | 749.3 | 730.4 | 711.5 | 730.4 | 749.3 | 754.0  | 788.4 | 834.2 | 857.2  | 889.7  | 954.7  |
| 150°   | 763.2 | 746.1 | 729.0 | 746.1 | 763.2 | 767.5  | 797.4 | 837.2 | 857.2  | 884.7  | 939.5  |
| 152.5° | 773.0 | 760.1 | 747.1 | 760.1 | 773.0 | 776.2  | 803.2 | 839.2 | 857.2  | 880.7  | 927.6  |
| 155°   | 793.0 | 783.4 | 773.9 | 783.4 | 793.0 | 795.4  | 816.0 | 843.5 | 857.2  | 875.9  | 913.2  |
| 157.5° | 812.3 | 803.1 | 793.7 | 803.1 | 812.3 | 814.6  | 828.8 | 847.8 | 857.2  | 871.7  | 900.7  |
| 160°   | 821.6 | 814.4 | 807.1 | 814.4 | 821.6 | 823.4  | 834.7 | 849.8 | 857.2  | 869.6  | 894.5  |
| 162.5° | 831.4 | 825.9 | 820.5 | 825.9 | 831.4 | 832.8  | 840.9 | 851.8 | 857.2  | 867.7  | 888.7  |
| 165°   | 844.9 | 839.9 | 835.1 | 839.9 | 844.9 | 846.1  | 849.8 | 854.8 | 857.2  | 864.7  | 879.7  |
| 167.5° | 853.1 | 850.8 | 848.4 | 850.8 | 853.1 | 853.7  | 856.8 | 861.0 | 863.0  | 868.0  | 877.8  |
| 170°   | 861.9 | 859.6 | 857.2 | 859.6 | 861.9 | 862.5  | 862.6 | 862.9 | 863.0  | 868.0  | 877.8  |
| 172.5° | 862.9 | 862.4 | 861.9 | 862.4 | 862.9 | 863.0  | 863.0 | 863.0 | 863.0  | 866.9  | 874.7  |
| 175°   | 868.2 | 868.2 | 868.2 | 868.2 | 868.2 | 868.2  | 866.5 | 864.1 | 863.0  | 865.4  | 870.4  |
| 177.5° | 868.2 | 868.2 | 868.2 | 868.2 | 868.2 | 868.2  | 866.9 | 865.2 | 864.2  | 866.2  | 870.0  |
| 180°   | 868.2 | 868.2 | 868.2 | 868.2 | 868.2 | 868.2  | 868.2 | 868.2 | 868.2  | 868.2  | 868.2  |

TEST NUMBER: P935191

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 |
| 2.5°   | 1429.0 | 1424.8 | 1430.4 | 1415.0 | 1430.4 | 1424.8 | 1429.0 | 1438.8 | 1430.4 | 1436.0 | 1441.6 |
| 5°     | 1253.9 | 1246.9 | 1224.5 | 1206.3 | 1224.5 | 1246.9 | 1253.9 | 1283.3 | 1297.3 | 1322.5 | 1356.2 |
| 7.5°   | 1120.8 | 1115.2 | 1109.6 | 1098.4 | 1109.6 | 1115.2 | 1120.8 | 1129.2 | 1143.2 | 1165.6 | 1190.9 |
| 10°    | 1091.4 | 1092.8 | 1101.2 | 1099.8 | 1101.2 | 1092.8 | 1091.4 | 1088.6 | 1084.4 | 1088.6 | 1104.0 |
| 12.5°  | 1167.0 | 1179.6 | 1225.9 | 1223.1 | 1225.9 | 1179.6 | 1167.0 | 1111.0 | 1073.2 | 1066.2 | 1069.0 |
| 15°    | 1253.9 | 1258.1 | 1267.9 | 1269.3 | 1267.9 | 1258.1 | 1253.9 | 1231.5 | 1118.0 | 1069.0 | 1053.6 |
| 17.5°  | 1262.3 | 1263.7 | 1270.7 | 1270.7 | 1270.7 | 1263.7 | 1262.3 | 1252.5 | 1214.7 | 1148.8 | 1062.0 |
| 20°    | 1255.3 | 1258.1 | 1272.1 | 1274.9 | 1272.1 | 1258.1 | 1255.3 | 1242.7 | 1221.7 | 1197.9 | 1132.0 |
| 22.5°  | 1252.5 | 1258.1 | 1269.3 | 1267.9 | 1269.3 | 1258.1 | 1252.5 | 1232.9 | 1214.7 | 1197.9 | 1171.2 |
| 25°    | 1238.5 | 1238.5 | 1239.9 | 1241.3 | 1239.9 | 1238.5 | 1238.5 | 1223.1 | 1186.6 | 1182.4 | 1167.0 |
| 27.5°  | 1209.1 | 1211.9 | 1220.3 | 1218.9 | 1220.3 | 1211.9 | 1209.1 | 1203.5 | 1164.2 | 1160.0 | 1148.8 |
| 30°    | 1182.4 | 1179.6 | 1172.6 | 1167.0 | 1172.6 | 1179.6 | 1182.4 | 1174.0 | 1134.8 | 1123.6 | 1126.4 |
| 32.5°  | 1137.6 | 1130.6 | 1123.6 | 1119.4 | 1123.6 | 1130.6 | 1137.6 | 1134.8 | 1105.4 | 1090.0 | 1092.8 |
| 35°    | 1084.4 | 1085.8 | 1084.4 | 1080.2 | 1084.4 | 1085.8 | 1084.4 | 1087.2 | 1069.0 | 1055.0 | 1053.6 |
| 37.5°  | 1046.5 | 1049.3 | 1047.9 | 1042.3 | 1047.9 | 1049.3 | 1046.5 | 1043.7 | 1018.5 | 1014.3 | 1017.1 |
| 40°    | 1007.3 | 1008.7 | 1007.3 | 1003.1 | 1007.3 | 1008.7 | 1007.3 | 1001.7 | 966.7  | 968.1  | 977.9  |
| 42.5°  | 969.5  | 968.1  | 963.9  | 961.1  | 963.9  | 968.1  | 969.5  | 961.1  | 916.3  | 912.1  | 930.3  |
| 45°    | 926.1  | 927.5  | 919.1  | 914.9  | 919.1  | 927.5  | 926.1  | 920.5  | 874.2  | 863.0  | 875.6  |
| 47.5°  | 882.6  | 882.6  | 875.6  | 871.4  | 875.6  | 882.6  | 882.6  | 875.6  | 826.6  | 815.4  | 822.4  |
| 50°    | 836.4  | 835.0  | 825.2  | 823.8  | 825.2  | 835.0  | 836.4  | 832.2  | 780.4  | 770.6  | 770.6  |
| 52.5°  | 783.2  | 783.2  | 784.6  | 787.4  | 784.6  | 783.2  | 783.2  | 784.6  | 738.3  | 728.5  | 725.7  |
| 55°    | 736.9  | 738.3  | 748.1  | 750.9  | 748.1  | 738.3  | 736.9  | 736.9  | 694.9  | 685.1  | 679.5  |
| 57.5°  | 689.3  | 689.3  | 696.3  | 696.3  | 696.3  | 689.3  | 689.3  | 686.5  | 645.9  | 637.5  | 634.7  |
| 60°    | 634.7  | 637.5  | 643.1  | 641.7  | 643.1  | 637.5  | 634.7  | 631.9  | 596.8  | 591.2  | 581.4  |
| 62.5°  | 577.2  | 580.0  | 581.4  | 578.6  | 581.4  | 580.0  | 577.2  | 568.8  | 547.8  | 543.6  | 531.0  |
| 65°    | 517.0  | 519.8  | 521.2  | 518.4  | 521.2  | 519.8  | 517.0  | 512.8  | 497.4  | 490.4  | 479.1  |
| 67.5°  | 455.3  | 453.9  | 452.5  | 458.1  | 452.5  | 453.9  | 455.3  | 449.7  | 439.9  | 434.3  | 418.9  |
| 70°    | 392.3  | 392.3  | 390.9  | 393.7  | 390.9  | 392.3  | 392.3  | 388.1  | 382.5  | 378.3  | 364.3  |
| 72.5°  | 325.0  | 323.6  | 329.2  | 325.0  | 329.2  | 323.6  | 325.0  | 323.6  | 320.8  | 316.6  | 302.6  |
| 75°    | 259.2  | 262.0  | 259.2  | 263.4  | 259.2  | 262.0  | 259.2  | 260.6  | 259.2  | 256.4  | 246.6  |
| 77.5°  | 197.5  | 200.3  | 197.5  | 197.5  | 197.5  | 200.3  | 197.5  | 198.9  | 198.9  | 198.9  | 190.5  |
| 80°    | 140.1  | 138.7  | 138.7  | 137.3  | 138.7  | 138.7  | 140.1  | 140.1  | 141.5  | 138.7  | 135.9  |
| 82.5°  | 89.7   | 88.3   | 88.3   | 91.1   | 88.3   | 88.3   | 89.7   | 91.1   | 88.3   | 88.3   | 88.3   |
| 85°    | 49.0   | 50.4   | 47.6   | 47.6   | 47.6   | 50.4   | 49.0   | 46.2   | 49.0   | 49.0   | 47.6   |
| 87.5°  | 18.2   | 16.8   | 16.8   | 16.8   | 16.8   | 16.8   | 18.2   | 19.6   | 19.6   | 19.6   | 21.0   |
| 90°    | 22.1   | 22.1   | 22.1   | 22.1   | 22.1   | 22.1   | 22.1   | 29.5   | 39.3   | 44.3   | 38.1   |
| 92.5°  | 110.7  | 106.3  | 88.6   | 71.1   | 88.6   | 106.3  | 110.7  | 156.9  | 218.6  | 249.4  | 218.9  |
| 95°    | 375.8  | 362.5  | 309.2  | 255.8  | 309.2  | 362.5  | 375.8  | 493.5  | 650.5  | 729.0  | 615.7  |
| 97.5°  | 867.7  | 842.3  | 740.8  | 639.2  | 740.8  | 842.3  | 867.7  | 942.1  | 1041.3 | 1090.9 | 902.0  |
| 100°   | 1218.5 | 1188.2 | 1067.3 | 946.3  | 1067.3 | 1188.2 | 1218.5 | 1213.1 | 1205.8 | 1202.2 | 992.5  |
| 102.5° | 1518.0 | 1492.2 | 1388.5 | 1284.9 | 1388.5 | 1492.2 | 1518.0 | 1423.2 | 1296.9 | 1233.6 | 1021.0 |
| 105°   | 1867.6 | 1853.7 | 1798.0 | 1742.4 | 1798.0 | 1853.7 | 1867.6 | 1655.1 | 1371.9 | 1230.2 | 1024.3 |
| 107.5° | 2049.5 | 2052.8 | 2066.4 | 2079.8 | 2066.4 | 2052.8 | 2049.5 | 1753.0 | 1357.8 | 1160.2 | 978.6  |
| 110°   | 2096.1 | 2110.6 | 2168.7 | 2226.7 | 2168.7 | 2110.6 | 2096.1 | 1764.7 | 1322.8 | 1101.9 | 938.3  |

TEST NUMBER: P935191

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°  |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 112.5° | 2066.4 | 2088.6 | 2177.7 | 2266.8 | 2177.7 | 2088.6 | 2066.4 | 1727.2 | 1275.0 | 1048.9 | 903.0 |
| 115°   | 1965.6 | 1996.5 | 2120.0 | 2243.6 | 2120.0 | 1996.5 | 1965.6 | 1638.9 | 1203.2 | 985.4  | 862.5 |
| 117.5° | 1826.3 | 1860.5 | 1997.5 | 2134.6 | 1997.5 | 1860.5 | 1826.3 | 1531.4 | 1138.3 | 941.7  | 837.1 |
| 120°   | 1732.5 | 1765.7 | 1898.9 | 2032.0 | 1898.9 | 1765.7 | 1732.5 | 1463.0 | 1103.8 | 924.2  | 828.6 |
| 122.5° | 1638.6 | 1671.5 | 1802.8 | 1934.1 | 1802.8 | 1671.5 | 1638.6 | 1396.0 | 1072.6 | 910.8  | 824.2 |
| 125°   | 1514.6 | 1544.8 | 1665.7 | 1786.6 | 1665.7 | 1544.8 | 1514.6 | 1308.4 | 1033.7 | 896.3  | 820.5 |
| 127.5° | 1414.9 | 1440.4 | 1542.5 | 1644.5 | 1542.5 | 1440.4 | 1414.9 | 1237.9 | 1002.0 | 884.0  | 818.4 |
| 130°   | 1352.0 | 1375.5 | 1469.8 | 1564.1 | 1469.8 | 1375.5 | 1352.0 | 1194.4 | 984.3  | 879.4  | 819.7 |
| 132.5° | 1298.4 | 1319.5 | 1403.9 | 1488.3 | 1403.9 | 1319.5 | 1298.4 | 1157.3 | 969.3  | 875.3  | 820.5 |
| 135°   | 1222.6 | 1240.8 | 1313.6 | 1386.3 | 1313.6 | 1240.8 | 1222.6 | 1104.5 | 947.0  | 868.2  | 819.7 |
| 137.5° | 1166.7 | 1181.5 | 1241.1 | 1300.7 | 1241.1 | 1181.5 | 1166.7 | 1066.8 | 933.7  | 867.1  | 824.8 |
| 140°   | 1121.7 | 1135.7 | 1191.4 | 1247.1 | 1191.4 | 1135.7 | 1121.7 | 1035.5 | 920.6  | 863.0  | 825.6 |
| 142.5° | 1090.3 | 1102.2 | 1150.2 | 1198.1 | 1150.2 | 1102.2 | 1090.3 | 1014.5 | 913.5  | 863.0  | 828.6 |
| 145°   | 1043.1 | 1052.2 | 1088.5 | 1124.7 | 1088.5 | 1052.2 | 1043.1 | 981.2  | 898.5  | 857.2  | 828.6 |
| 147.5° | 1003.5 | 1011.0 | 1041.0 | 1071.1 | 1041.0 | 1011.0 | 1003.5 | 954.7  | 889.7  | 857.2  | 834.2 |
| 150°   | 980.7  | 986.8  | 1011.1 | 1035.5 | 1011.1 | 986.8  | 980.7  | 939.5  | 884.7  | 857.2  | 837.2 |
| 152.5° | 962.7  | 967.3  | 985.7  | 1004.0 | 985.7  | 967.3  | 962.7  | 927.6  | 880.7  | 857.2  | 839.2 |
| 155°   | 941.1  | 944.2  | 956.3  | 968.5  | 956.3  | 944.2  | 941.1  | 913.2  | 875.9  | 857.2  | 843.5 |
| 157.5° | 922.5  | 924.7  | 933.2  | 941.7  | 933.2  | 924.7  | 922.5  | 900.7  | 871.7  | 857.2  | 847.8 |
| 160°   | 913.2  | 914.4  | 919.3  | 924.2  | 919.3  | 914.4  | 913.2  | 894.5  | 869.6  | 857.2  | 849.8 |
| 162.5° | 904.4  | 905.5  | 910.2  | 914.9  | 910.2  | 905.5  | 904.4  | 888.7  | 867.7  | 857.2  | 851.8 |
| 165°   | 891.0  | 892.3  | 897.2  | 902.1  | 897.2  | 892.3  | 891.0  | 879.7  | 864.7  | 857.2  | 854.8 |
| 167.5° | 885.2  | 885.7  | 887.8  | 889.8  | 887.8  | 885.7  | 885.2  | 877.8  | 868.0  | 863.0  | 861.0 |
| 170°   | 885.2  | 885.2  | 885.2  | 885.2  | 885.2  | 885.2  | 885.2  | 877.8  | 868.0  | 863.0  | 862.9 |
| 172.5° | 880.5  | 880.0  | 878.2  | 876.5  | 878.2  | 880.0  | 880.5  | 874.7  | 866.9  | 863.0  | 863.0 |
| 175°   | 874.1  | 874.1  | 874.1  | 874.1  | 874.1  | 874.1  | 874.1  | 870.4  | 865.4  | 863.0  | 864.1 |
| 177.5° | 872.9  | 872.4  | 870.3  | 868.2  | 870.3  | 872.4  | 872.9  | 870.0  | 866.2  | 864.2  | 865.2 |
| 180°   | 868.2  | 868.2  | 868.2  | 868.2  | 868.2  | 868.2  | 868.2  | 868.2  | 868.2  | 868.2  | 868.2 |

TEST NUMBER: P935191

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 0°     | 1480.9 | 1480.9 | 1480.9 | 1480.9 | 1480.9 |
| 2.5°   | 1462.6 | 1469.6 | 1473.9 | 1479.5 | 1493.5 |
| 5°     | 1406.6 | 1433.2 | 1441.6 | 1462.6 | 1487.9 |
| 7.5°   | 1283.3 | 1364.6 | 1387.0 | 1437.4 | 1476.7 |
| 10°    | 1164.2 | 1245.5 | 1284.7 | 1403.8 | 1462.6 |
| 12.5°  | 1104.0 | 1151.6 | 1178.2 | 1345.0 | 1443.0 |
| 15°    | 1066.2 | 1099.8 | 1119.4 | 1266.5 | 1420.6 |
| 17.5°  | 1036.7 | 1060.6 | 1074.6 | 1189.4 | 1389.8 |
| 20°    | 1018.5 | 1029.7 | 1042.3 | 1133.4 | 1354.8 |
| 22.5°  | 1005.9 | 998.9  | 1008.7 | 1094.2 | 1307.1 |
| 25°    | 997.5  | 970.9  | 982.1  | 1063.4 | 1251.1 |
| 27.5°  | 1004.5 | 945.7  | 949.9  | 1035.3 | 1192.3 |
| 30°    | 1005.9 | 914.9  | 916.3  | 1005.9 | 1126.4 |
| 32.5°  | 996.1  | 882.6  | 884.0  | 969.5  | 1052.2 |
| 35°    | 972.3  | 844.8  | 843.4  | 927.5  | 951.3  |
| 37.5°  | 940.1  | 804.2  | 804.2  | 881.2  | 840.6  |
| 40°    | 900.8  | 763.5  | 767.7  | 821.0  | 742.5  |
| 42.5°  | 853.2  | 720.1  | 725.7  | 741.1  | 669.7  |
| 45°    | 801.4  | 678.1  | 682.3  | 626.2  | 613.6  |
| 47.5°  | 743.9  | 634.7  | 636.1  | 519.8  | 595.4  |
| 50°    | 675.3  | 589.8  | 584.2  | 445.5  | 594.0  |
| 52.5°  | 615.0  | 540.8  | 524.0  | 403.5  | 539.4  |
| 55°    | 556.2  | 488.9  | 452.5  | 371.3  | 500.2  |
| 57.5°  | 504.4  | 421.7  | 386.7  | 333.4  | 491.8  |
| 60°    | 456.7  | 355.9  | 329.2  | 292.8  | 451.1  |
| 62.5°  | 417.5  | 306.8  | 301.2  | 264.8  | 409.1  |
| 65°    | 375.5  | 273.2  | 271.8  | 241.0  | 347.4  |
| 67.5°  | 334.8  | 250.8  | 249.4  | 218.6  | 264.8  |
| 70°    | 291.4  | 227.0  | 224.2  | 194.7  | 196.1  |
| 72.5°  | 246.6  | 200.3  | 197.5  | 175.1  | 162.5  |
| 75°    | 201.7  | 169.5  | 168.1  | 152.7  | 131.7  |
| 77.5°  | 158.3  | 134.5  | 137.3  | 123.3  | 96.7   |
| 80°    | 113.5  | 98.1   | 100.9  | 88.3   | 72.9   |
| 82.5°  | 75.7   | 64.4   | 67.2   | 56.0   | 49.0   |
| 85°    | 42.0   | 36.4   | 37.8   | 29.4   | 22.4   |
| 87.5°  | 19.6   | 16.8   | 16.8   | 11.2   | 7.0    |
| 90°    | 25.7   | 16.3   | 15.1   | 10.5   | 5.8    |
| 92.5°  | 158.1  | 112.5  | 102.6  | 63.0   | 23.4   |
| 95°    | 389.1  | 219.1  | 201.0  | 128.4  | 55.9   |
| 97.5°  | 524.1  | 240.7  | 224.7  | 160.7  | 96.8   |
| 100°   | 573.2  | 258.7  | 244.2  | 186.2  | 128.2  |
| 102.5° | 595.8  | 276.8  | 263.3  | 209.2  | 155.0  |
| 105°   | 612.5  | 303.6  | 292.2  | 246.3  | 200.4  |
| 107.5° | 615.6  | 343.2  | 332.6  | 289.8  | 247.0  |
| 110°   | 610.9  | 365.4  | 355.8  | 317.1  | 278.5  |

TEST NUMBER: P935191

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 337.5° | 340°  | 350°  | 360°  |
|--------|-------|--------|-------|-------|-------|
| 112.5° | 611.1 | 392.2  | 383.0 | 346.2 | 309.4 |
| 115°   | 616.7 | 432.3  | 423.8 | 389.9 | 356.0 |
| 117.5° | 628.1 | 471.4  | 463.7 | 432.9 | 402.1 |
| 120°   | 637.5 | 494.2  | 486.9 | 457.9 | 428.9 |
| 122.5° | 650.9 | 521.0  | 513.7 | 484.4 | 455.1 |
| 125°   | 669.0 | 555.4  | 548.7 | 522.0 | 495.3 |
| 127.5° | 687.1 | 588.6  | 581.9 | 554.9 | 528.0 |
| 130°   | 700.3 | 610.7  | 603.5 | 574.5 | 545.5 |
| 132.5° | 711.0 | 628.8  | 621.5 | 592.5 | 563.5 |
| 135°   | 722.6 | 649.8  | 643.2 | 616.7 | 590.3 |
| 137.5° | 740.1 | 676.6  | 670.1 | 643.8 | 617.7 |
| 140°   | 750.7 | 694.6  | 688.6 | 664.5 | 640.4 |
| 142.5° | 759.7 | 708.1  | 702.5 | 680.2 | 657.9 |
| 145°   | 771.4 | 728.4  | 723.6 | 704.1 | 684.7 |
| 147.5° | 788.4 | 754.0  | 749.3 | 730.4 | 711.5 |
| 150°   | 797.4 | 767.5  | 763.2 | 746.1 | 729.0 |
| 152.5° | 803.2 | 776.2  | 773.0 | 760.1 | 747.1 |
| 155°   | 816.0 | 795.4  | 793.0 | 783.4 | 773.9 |
| 157.5° | 828.8 | 814.6  | 812.3 | 803.1 | 793.7 |
| 160°   | 834.7 | 823.4  | 821.6 | 814.4 | 807.1 |
| 162.5° | 840.9 | 832.8  | 831.4 | 825.9 | 820.5 |
| 165°   | 849.8 | 846.1  | 844.9 | 839.9 | 835.1 |
| 167.5° | 856.8 | 853.7  | 853.1 | 850.8 | 848.4 |
| 170°   | 862.6 | 862.5  | 861.9 | 859.6 | 857.2 |
| 172.5° | 863.0 | 863.0  | 862.9 | 862.4 | 861.9 |
| 175°   | 866.5 | 868.2  | 868.2 | 868.2 | 868.2 |
| 177.5° | 866.9 | 868.2  | 868.2 | 868.2 | 868.2 |
| 180°   | 868.2 | 868.2  | 868.2 | 868.2 | 868.2 |

TEST NUMBER: P935191

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-6-5000K

**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 | 11.56            | 12.34 | 12.59 | 13.38 | 14.78 | 14.38          | 15.17 | 15.42 | 16.21 | 17.61 |
|                 | 3H   | 12.03            | 12.73 | 13.07 | 13.78 | 15.20 | 15.72          | 16.42 | 16.76 | 17.47 | 18.89 |
|                 | 4H   | 12.22            | 12.88 | 13.27 | 13.93 | 15.36 | 16.16          | 16.82 | 17.22 | 17.88 | 19.30 |
|                 | 6H   | 12.33            | 12.94 | 13.40 | 14.00 | 15.44 | 16.44          | 17.05 | 17.51 | 18.11 | 19.55 |
|                 | 8H   | 12.33            | 12.91 | 13.40 | 13.99 | 15.42 | 16.51          | 17.09 | 17.58 | 18.16 | 19.60 |
|                 | 12H  | 12.30            | 12.85 | 13.38 | 13.92 | 15.38 | 16.55          | 17.10 | 17.62 | 18.16 | 19.62 |
| 4H              | 2H   | 12.58            | 13.24 | 13.64 | 14.30 | 15.72 | 14.78          | 15.45 | 15.85 | 16.50 | 17.93 |
|                 | 3H   | 13.60            | 14.15 | 14.67 | 15.23 | 16.67 | 16.28          | 16.83 | 17.35 | 17.91 | 19.35 |
|                 | 4H   | 13.87            | 14.38 | 14.95 | 15.45 | 16.91 | 16.80          | 17.31 | 17.88 | 18.38 | 19.84 |
|                 | 6H   | 13.99            | 14.43 | 15.08 | 15.52 | 16.98 | 17.16          | 17.60 | 18.25 | 18.69 | 20.15 |
|                 | 8H   | 14.00            | 14.40 | 15.08 | 15.49 | 16.96 | 17.27          | 17.67 | 18.35 | 18.76 | 20.23 |
|                 | 12H  | 13.96            | 14.33 | 15.06 | 15.43 | 16.90 | 17.32          | 17.69 | 18.42 | 18.79 | 20.26 |
| 8H              | 4H   | 14.32            | 14.73 | 15.40 | 15.81 | 17.28 | 16.92          | 17.33 | 18.01 | 18.41 | 19.88 |
|                 | 6H   | 14.58            | 14.91 | 15.69 | 16.04 | 17.51 | 17.35          | 17.69 | 18.46 | 18.82 | 20.28 |
|                 | 8H   | 14.62            | 14.91 | 15.73 | 16.02 | 17.51 | 17.50          | 17.80 | 18.62 | 18.91 | 20.40 |
|                 | 12H  | 14.60            | 14.86 | 15.72 | 15.96 | 17.49 | 17.60          | 17.86 | 18.72 | 18.96 | 20.49 |
| 12H             | 4H   | 14.32            | 14.69 | 15.42 | 15.79 | 17.26 | 16.88          | 17.25 | 17.99 | 18.35 | 19.83 |
|                 | 6H   | 14.64            | 14.93 | 15.75 | 16.04 | 17.53 | 17.35          | 17.64 | 18.46 | 18.75 | 20.24 |
|                 | 8H   | 14.70            | 14.96 | 15.82 | 16.07 | 17.59 | 17.51          | 17.77 | 18.63 | 18.87 | 20.40 |

END OF REPORT