

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: P934296

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

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P934296  
REPORT IS A COMBINATION OF REPORTS P933692 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-050U-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**

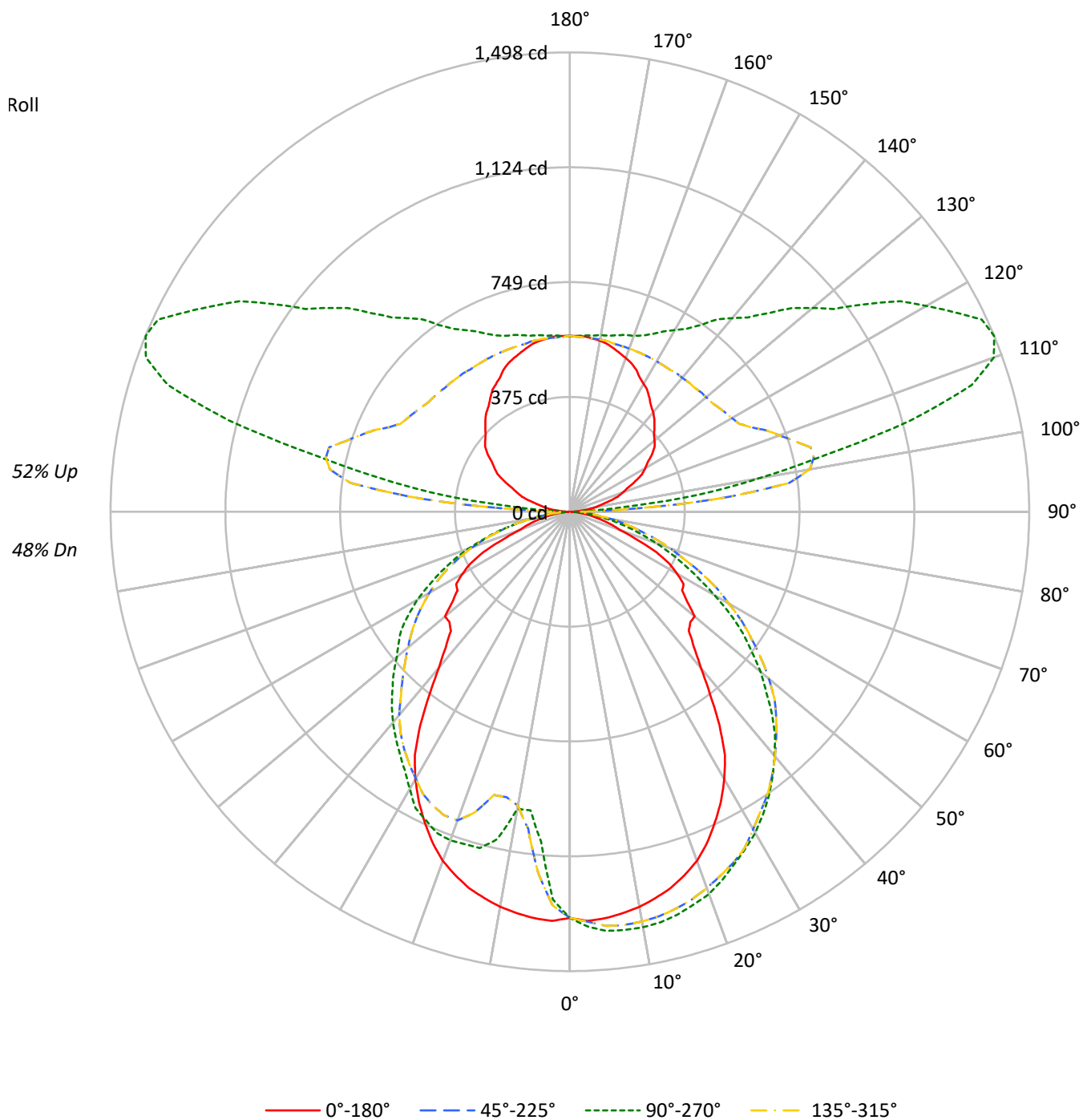
Lumens per Lamp: N/A  
Luminaire Lumens: 7154.5 lumens  
Efficiency: N/A  
Efficacy: 126.0 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 56.8  
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: P934296

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

### Luminous Intensity Polar Plot



TEST NUMBER: P934296

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

**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  | 1.7       |
| 10°-20°   | 339.4  | 4.7       |
| 20°-30°   | 524.6  | 7.3       |
| 30°-40°   | 626.3  | 8.8       |
| 40°-50°   | 630.0  | 8.8       |
| 50°-60°   | 548.1  | 7.7       |
| 60°-70°   | 388.6  | 5.4       |
| 70°-80°   | 205.6  | 2.9       |
| 80°-90°   | 53.4   | 0.7       |
| 90°-100°  | 279.6  | 3.9       |
| 100°-110° | 735.2  | 10.3      |
| 110°-120° | 762.3  | 10.7      |
| 120°-130° | 611.4  | 8.5       |
| 130°-140° | 479.8  | 6.7       |
| 140°-150° | 368.3  | 5.1       |
| 150°-160° | 265.2  | 3.7       |
| 160°-170° | 162.3  | 2.3       |
| 170°-180° | 54.8   | 0.8       |
| 0°-30°    | 983.5  | 13.7      |
| 0°-40°    | 1609.8 | 22.5      |
| 0°-60°    | 2787.9 | 39.0      |
| 0°-90°    | 3435.6 | 48.0      |
| 90°-120°  | 1777.1 | 24.8      |
| 90°-150°  | 3236.6 | 45.2      |
| 90°-180°  | 3719.0 | 52.0      |
| 0°-180°   | 7154.5 | 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°  | 4    | 15   | 4    | 15   | 4    | 4    |
| 95°  | 37   | 169  | 37   | 169  | 37   | 41   |
| 105° | 132  | 1151 | 132  | 1151 | 132  | 140  |
| 115° | 235  | 1482 | 235  | 1482 | 235  | 232  |
| 125° | 327  | 1180 | 327  | 1180 | 327  | 291  |
| 135° | 390  | 916  | 390  | 916  | 390  | 302  |
| 145° | 452  | 743  | 452  | 743  | 452  | 283  |
| 155° | 511  | 640  | 511  | 640  | 511  | 235  |
| 165° | 552  | 596  | 552  | 596  | 552  | 156  |
| 175° | 574  | 578  | 574  | 578  | 574  | 54   |
| 180° | 574  | 574  | 574  | 574  | 574  |      |

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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°    | 3.8    | 6.9    | 10.0   | 10.7   | 16.9   | 25.1   | 29.2   | 26.0   | 19.5   | 14.7   | 14.7   |
| 92.5°  | 15.4   | 41.6   | 67.8   | 74.3   | 104.5  | 144.7  | 164.8  | 144.4  | 103.7  | 73.1   | 70.2   |
| 95°    | 37.0   | 84.9   | 132.8  | 144.8  | 257.0  | 406.8  | 481.7  | 429.8  | 326.2  | 248.4  | 239.6  |
| 97.5°  | 63.9   | 106.1  | 148.4  | 159.0  | 346.2  | 595.9  | 720.8  | 688.0  | 622.4  | 573.3  | 556.5  |
| 100°   | 84.7   | 123.0  | 161.3  | 170.9  | 378.7  | 655.8  | 794.3  | 796.7  | 801.5  | 805.0  | 785.0  |
| 102.5° | 102.5  | 138.2  | 173.9  | 182.9  | 393.6  | 674.6  | 815.1  | 856.9  | 940.4  | 1002.9 | 985.8  |
| 105°   | 132.4  | 162.7  | 193.1  | 200.6  | 404.7  | 676.8  | 812.8  | 906.4  | 1093.6 | 1234.0 | 1224.8 |
| 107.5° | 163.3  | 191.5  | 219.7  | 226.8  | 406.7  | 646.6  | 766.5  | 897.1  | 1158.3 | 1354.1 | 1356.4 |
| 110°   | 184.0  | 209.5  | 235.1  | 241.4  | 403.7  | 619.9  | 728.1  | 874.0  | 1165.9 | 1384.8 | 1394.5 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°   | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 112.5° | 204.5 | 228.7 | 253.0 | 259.1 | 403.8 | 596.6 | 693.0 | 842.4 | 1141.2 | 1365.2 | 1380.0 |
| 115°   | 235.3 | 257.7 | 280.1 | 285.7 | 407.5 | 569.9 | 651.1 | 795.0 | 1082.8 | 1298.6 | 1319.0 |
| 117.5° | 265.6 | 286.0 | 306.4 | 311.5 | 415.1 | 553.1 | 622.1 | 752.1 | 1011.8 | 1206.6 | 1229.2 |
| 120°   | 283.4 | 302.5 | 321.8 | 326.5 | 421.2 | 547.5 | 610.6 | 729.3 | 966.6  | 1144.6 | 1166.6 |
| 122.5° | 300.7 | 320.0 | 339.3 | 344.2 | 430.0 | 544.5 | 601.8 | 708.6 | 922.4  | 1082.7 | 1104.4 |
| 125°   | 327.3 | 344.8 | 362.5 | 366.9 | 442.0 | 542.1 | 592.2 | 682.9 | 864.5  | 1000.7 | 1020.7 |
| 127.5° | 348.8 | 366.6 | 384.3 | 388.8 | 453.9 | 540.7 | 584.0 | 662.0 | 817.9  | 934.8  | 951.7  |
| 130°   | 360.3 | 379.5 | 398.7 | 403.5 | 462.6 | 541.5 | 580.9 | 650.3 | 789.1  | 893.2  | 908.8  |
| 132.5° | 372.3 | 391.4 | 410.7 | 415.4 | 469.7 | 542.1 | 578.3 | 640.4 | 764.7  | 857.8  | 871.7  |
| 135°   | 390.0 | 407.5 | 424.9 | 429.3 | 477.4 | 541.5 | 573.7 | 625.7 | 729.7  | 807.7  | 819.8  |
| 137.5° | 408.2 | 425.4 | 442.7 | 447.0 | 488.9 | 544.9 | 572.9 | 616.9 | 704.9  | 770.8  | 780.6  |
| 140°   | 423.1 | 439.1 | 455.0 | 459.0 | 496.0 | 545.5 | 570.2 | 608.2 | 684.2  | 741.1  | 750.3  |
| 142.5° | 434.7 | 449.3 | 464.1 | 467.7 | 501.9 | 547.4 | 570.2 | 603.6 | 670.3  | 720.4  | 728.3  |
| 145°   | 452.4 | 465.2 | 478.1 | 481.3 | 509.7 | 547.5 | 566.4 | 593.7 | 648.3  | 689.2  | 695.2  |
| 147.5° | 470.1 | 482.6 | 495.1 | 498.2 | 520.9 | 551.2 | 566.4 | 587.9 | 630.7  | 663.0  | 667.9  |
| 150°   | 481.7 | 493.0 | 504.3 | 507.1 | 526.9 | 553.2 | 566.4 | 584.5 | 620.8  | 648.0  | 652.0  |
| 152.5° | 493.6 | 502.2 | 510.7 | 512.9 | 530.7 | 554.5 | 566.4 | 581.9 | 612.8  | 636.1  | 639.1  |
| 155°   | 511.3 | 517.6 | 524.0 | 525.6 | 539.2 | 557.3 | 566.4 | 578.7 | 603.3  | 621.8  | 623.8  |
| 157.5° | 524.3 | 530.5 | 536.7 | 538.3 | 547.6 | 560.1 | 566.4 | 575.9 | 595.1  | 609.4  | 610.8  |
| 160°   | 533.2 | 538.1 | 542.8 | 544.1 | 551.5 | 561.4 | 566.4 | 574.6 | 590.9  | 603.3  | 604.1  |
| 162.5° | 542.1 | 545.7 | 549.3 | 550.2 | 555.6 | 562.8 | 566.4 | 573.3 | 587.2  | 597.6  | 598.3  |
| 165°   | 551.7 | 555.0 | 558.2 | 559.0 | 561.4 | 564.7 | 566.4 | 571.3 | 581.2  | 588.7  | 589.5  |
| 167.5° | 560.6 | 562.1 | 563.7 | 564.0 | 566.1 | 568.8 | 570.2 | 573.5 | 580.0  | 584.9  | 585.2  |
| 170°   | 566.4 | 567.9 | 569.5 | 569.8 | 569.9 | 570.1 | 570.2 | 573.5 | 580.0  | 584.9  | 584.9  |
| 172.5° | 569.5 | 569.8 | 570.1 | 570.2 | 570.2 | 570.2 | 570.2 | 572.8 | 578.0  | 581.8  | 581.5  |
| 175°   | 573.7 | 573.7 | 573.7 | 573.7 | 572.5 | 571.0 | 570.2 | 571.8 | 575.1  | 577.5  | 577.5  |
| 177.5° | 573.7 | 573.7 | 573.7 | 573.7 | 572.7 | 571.5 | 571.0 | 572.3 | 574.8  | 576.7  | 576.4  |
| 180°   | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7  | 573.7  | 573.7  |

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CATALOG NUMBER: SQ4-FA-050U-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°    | 14.7   | 14.7   | 14.7   | 14.7   | 14.7   | 19.5   | 26.0   | 29.2   | 25.1   | 16.9   | 10.7   |
| 92.5°  | 58.6   | 47.0   | 58.6   | 70.2   | 73.1   | 103.7  | 144.4  | 164.8  | 144.7  | 104.5  | 74.3   |
| 95°    | 204.3  | 169.1  | 204.3  | 239.6  | 248.4  | 326.2  | 429.8  | 481.7  | 406.8  | 257.0  | 144.8  |
| 97.5°  | 489.4  | 422.4  | 489.4  | 556.5  | 573.3  | 622.4  | 688.0  | 720.8  | 595.9  | 346.2  | 159.0  |
| 100°   | 705.2  | 625.2  | 705.2  | 785.0  | 805.0  | 801.5  | 796.7  | 794.3  | 655.8  | 378.7  | 170.9  |
| 102.5° | 917.4  | 848.9  | 917.4  | 985.8  | 1002.9 | 940.4  | 856.9  | 815.1  | 674.6  | 393.6  | 182.9  |
| 105°   | 1188.0 | 1151.2 | 1188.0 | 1224.8 | 1234.0 | 1093.6 | 906.4  | 812.8  | 676.8  | 404.7  | 200.6  |
| 107.5° | 1365.2 | 1374.1 | 1365.2 | 1356.4 | 1354.1 | 1158.3 | 897.1  | 766.5  | 646.6  | 406.7  | 226.8  |
| 110°   | 1432.8 | 1471.1 | 1432.8 | 1394.5 | 1384.8 | 1165.9 | 874.0  | 728.1  | 619.9  | 403.7  | 241.4  |



TEST NUMBER: P934296

CATALOG NUMBER: SQ4-FA-050U-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° | 1438.8 | 1497.7 | 1438.8 | 1380.0 | 1365.2 | 1141.2 | 842.4 | 693.0 | 596.6 | 403.8 | 259.1  |
| 115°   | 1400.6 | 1482.3 | 1400.6 | 1319.0 | 1298.6 | 1082.8 | 795.0 | 651.1 | 569.9 | 407.5 | 285.7  |
| 117.5° | 1319.8 | 1410.3 | 1319.8 | 1229.2 | 1206.6 | 1011.8 | 752.1 | 622.1 | 553.1 | 415.1 | 311.5  |
| 120°   | 1254.5 | 1342.5 | 1254.5 | 1166.6 | 1144.6 | 966.6  | 729.3 | 610.6 | 547.5 | 421.2 | 326.5  |
| 122.5° | 1191.1 | 1277.9 | 1191.1 | 1104.4 | 1082.7 | 922.4  | 708.6 | 601.8 | 544.5 | 430.0 | 344.2  |
| 125°   | 1100.5 | 1180.5 | 1100.5 | 1020.7 | 1000.7 | 864.5  | 682.9 | 592.2 | 542.1 | 442.0 | 366.9  |
| 127.5° | 1019.1 | 1086.5 | 1019.1 | 951.7  | 934.8  | 817.9  | 662.0 | 584.0 | 540.7 | 453.9 | 388.8  |
| 130°   | 971.1  | 1033.4 | 971.1  | 908.8  | 893.2  | 789.1  | 650.3 | 580.9 | 541.5 | 462.6 | 403.5  |
| 132.5° | 927.6  | 983.3  | 927.6  | 871.7  | 857.8  | 764.7  | 640.4 | 578.3 | 542.1 | 469.7 | 415.4  |
| 135°   | 867.9  | 916.0  | 867.9  | 819.8  | 807.7  | 729.7  | 625.7 | 573.7 | 541.5 | 477.4 | 429.3  |
| 137.5° | 820.1  | 859.4  | 820.1  | 780.6  | 770.8  | 704.9  | 616.9 | 572.9 | 544.9 | 488.9 | 447.0  |
| 140°   | 787.1  | 823.9  | 787.1  | 750.3  | 741.1  | 684.2  | 608.2 | 570.2 | 545.5 | 496.0 | 459.0  |
| 142.5° | 759.9  | 791.6  | 759.9  | 728.3  | 720.4  | 670.3  | 603.6 | 570.2 | 547.4 | 501.9 | 467.7  |
| 145°   | 719.2  | 743.1  | 719.2  | 695.2  | 689.2  | 648.3  | 593.7 | 566.4 | 547.5 | 509.7 | 481.3  |
| 147.5° | 687.8  | 707.7  | 687.8  | 667.9  | 663.0  | 630.7  | 587.9 | 566.4 | 551.2 | 520.9 | 498.2  |
| 150°   | 668.1  | 684.2  | 668.1  | 652.0  | 648.0  | 620.8  | 584.5 | 566.4 | 553.2 | 526.9 | 507.1  |
| 152.5° | 651.3  | 663.4  | 651.3  | 639.1  | 636.1  | 612.8  | 581.9 | 566.4 | 554.5 | 530.7 | 512.9  |
| 155°   | 631.9  | 639.9  | 631.9  | 623.8  | 621.8  | 603.3  | 578.7 | 566.4 | 557.3 | 539.2 | 525.6  |
| 157.5° | 616.5  | 622.1  | 616.5  | 610.8  | 609.4  | 595.1  | 575.9 | 566.4 | 560.1 | 547.6 | 538.3  |
| 160°   | 607.4  | 610.6  | 607.4  | 604.1  | 603.3  | 590.9  | 574.6 | 566.4 | 561.4 | 551.5 | 544.1  |
| 162.5° | 601.4  | 604.5  | 601.4  | 598.3  | 597.6  | 587.2  | 573.3 | 566.4 | 562.8 | 555.6 | 550.2  |
| 165°   | 592.7  | 596.0  | 592.7  | 589.5  | 588.7  | 581.2  | 571.3 | 566.4 | 564.7 | 561.4 | 559.0  |
| 167.5° | 586.6  | 588.0  | 586.6  | 585.2  | 584.9  | 580.0  | 573.5 | 570.2 | 568.8 | 566.1 | 564.0  |
| 170°   | 584.9  | 584.9  | 584.9  | 584.9  | 584.9  | 580.0  | 573.5 | 570.2 | 570.1 | 569.9 | 569.8  |
| 172.5° | 580.3  | 579.1  | 580.3  | 581.5  | 581.8  | 578.0  | 572.8 | 570.2 | 570.2 | 570.2 | 570.2  |
| 175°   | 577.5  | 577.5  | 577.5  | 577.5  | 577.5  | 575.1  | 571.8 | 570.2 | 571.0 | 572.5 | 573.7  |
| 177.5° | 575.1  | 573.7  | 575.1  | 576.4  | 576.7  | 574.8  | 572.3 | 571.0 | 571.5 | 572.7 | 573.7  |
| 180°   | 573.7  | 573.7  | 573.7  | 573.7  | 573.7  | 573.7  | 573.7 | 573.7 | 573.7 | 573.7 | 573.7  |

TEST NUMBER: P934296

CATALOG NUMBER: SQ4-FA-050U-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°    | 10.0   | 6.9    | 3.8    | 6.9    | 10.0   | 10.7   | 16.9   | 25.1   | 29.2   | 26.0   | 19.5   |
| 92.5°  | 67.8   | 41.6   | 15.4   | 41.6   | 67.8   | 74.3   | 104.5  | 144.7  | 164.8  | 144.4  | 103.7  |
| 95°    | 132.8  | 84.9   | 37.0   | 84.9   | 132.8  | 144.8  | 257.0  | 406.8  | 481.7  | 429.8  | 326.2  |
| 97.5°  | 148.4  | 106.1  | 63.9   | 106.1  | 148.4  | 159.0  | 346.2  | 595.9  | 720.8  | 688.0  | 622.4  |
| 100°   | 161.3  | 123.0  | 84.7   | 123.0  | 161.3  | 170.9  | 378.7  | 655.8  | 794.3  | 796.7  | 801.5  |
| 102.5° | 173.9  | 138.2  | 102.5  | 138.2  | 173.9  | 182.9  | 393.6  | 674.6  | 815.1  | 856.9  | 940.4  |
| 105°   | 193.1  | 162.7  | 132.4  | 162.7  | 193.1  | 200.6  | 404.7  | 676.8  | 812.8  | 906.4  | 1093.6 |
| 107.5° | 219.7  | 191.5  | 163.3  | 191.5  | 219.7  | 226.8  | 406.7  | 646.6  | 766.5  | 897.1  | 1158.3 |
| 110°   | 235.1  | 209.5  | 184.0  | 209.5  | 235.1  | 241.4  | 403.7  | 619.9  | 728.1  | 874.0  | 1165.9 |

TEST NUMBER: P934296

CATALOG NUMBER: SQ4-FA-050U-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° | 253.0 | 228.7 | 204.5 | 228.7 | 253.0 | 259.1  | 403.8 | 596.6 | 693.0 | 842.4 | 1141.2 |
| 115°   | 280.1 | 257.7 | 235.3 | 257.7 | 280.1 | 285.7  | 407.5 | 569.9 | 651.1 | 795.0 | 1082.8 |
| 117.5° | 306.4 | 286.0 | 265.6 | 286.0 | 306.4 | 311.5  | 415.1 | 553.1 | 622.1 | 752.1 | 1011.8 |
| 120°   | 321.8 | 302.5 | 283.4 | 302.5 | 321.8 | 326.5  | 421.2 | 547.5 | 610.6 | 729.3 | 966.6  |
| 122.5° | 339.3 | 320.0 | 300.7 | 320.0 | 339.3 | 344.2  | 430.0 | 544.5 | 601.8 | 708.6 | 922.4  |
| 125°   | 362.5 | 344.8 | 327.3 | 344.8 | 362.5 | 366.9  | 442.0 | 542.1 | 592.2 | 682.9 | 864.5  |
| 127.5° | 384.3 | 366.6 | 348.8 | 366.6 | 384.3 | 388.8  | 453.9 | 540.7 | 584.0 | 662.0 | 817.9  |
| 130°   | 398.7 | 379.5 | 360.3 | 379.5 | 398.7 | 403.5  | 462.6 | 541.5 | 580.9 | 650.3 | 789.1  |
| 132.5° | 410.7 | 391.4 | 372.3 | 391.4 | 410.7 | 415.4  | 469.7 | 542.1 | 578.3 | 640.4 | 764.7  |
| 135°   | 424.9 | 407.5 | 390.0 | 407.5 | 424.9 | 429.3  | 477.4 | 541.5 | 573.7 | 625.7 | 729.7  |
| 137.5° | 442.7 | 425.4 | 408.2 | 425.4 | 442.7 | 447.0  | 488.9 | 544.9 | 572.9 | 616.9 | 704.9  |
| 140°   | 455.0 | 439.1 | 423.1 | 439.1 | 455.0 | 459.0  | 496.0 | 545.5 | 570.2 | 608.2 | 684.2  |
| 142.5° | 464.1 | 449.3 | 434.7 | 449.3 | 464.1 | 467.7  | 501.9 | 547.4 | 570.2 | 603.6 | 670.3  |
| 145°   | 478.1 | 465.2 | 452.4 | 465.2 | 478.1 | 481.3  | 509.7 | 547.5 | 566.4 | 593.7 | 648.3  |
| 147.5° | 495.1 | 482.6 | 470.1 | 482.6 | 495.1 | 498.2  | 520.9 | 551.2 | 566.4 | 587.9 | 630.7  |
| 150°   | 504.3 | 493.0 | 481.7 | 493.0 | 504.3 | 507.1  | 526.9 | 553.2 | 566.4 | 584.5 | 620.8  |
| 152.5° | 510.7 | 502.2 | 493.6 | 502.2 | 510.7 | 512.9  | 530.7 | 554.5 | 566.4 | 581.9 | 612.8  |
| 155°   | 524.0 | 517.6 | 511.3 | 517.6 | 524.0 | 525.6  | 539.2 | 557.3 | 566.4 | 578.7 | 603.3  |
| 157.5° | 536.7 | 530.5 | 524.3 | 530.5 | 536.7 | 538.3  | 547.6 | 560.1 | 566.4 | 575.9 | 595.1  |
| 160°   | 542.8 | 538.1 | 533.2 | 538.1 | 542.8 | 544.1  | 551.5 | 561.4 | 566.4 | 574.6 | 590.9  |
| 162.5° | 549.3 | 545.7 | 542.1 | 545.7 | 549.3 | 550.2  | 555.6 | 562.8 | 566.4 | 573.3 | 587.2  |
| 165°   | 558.2 | 555.0 | 551.7 | 555.0 | 558.2 | 559.0  | 561.4 | 564.7 | 566.4 | 571.3 | 581.2  |
| 167.5° | 563.7 | 562.1 | 560.6 | 562.1 | 563.7 | 564.0  | 566.1 | 568.8 | 570.2 | 573.5 | 580.0  |
| 170°   | 569.5 | 567.9 | 566.4 | 567.9 | 569.5 | 569.8  | 569.9 | 570.1 | 570.2 | 573.5 | 580.0  |
| 172.5° | 570.1 | 569.8 | 569.5 | 569.8 | 570.1 | 570.2  | 570.2 | 570.2 | 570.2 | 572.8 | 578.0  |
| 175°   | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7  | 572.5 | 571.0 | 570.2 | 571.8 | 575.1  |
| 177.5° | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7  | 572.7 | 571.5 | 571.0 | 572.3 | 574.8  |
| 180°   | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7  | 573.7 | 573.7 | 573.7 | 573.7 | 573.7  |

TEST NUMBER: P934296

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

**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°    | 14.7   | 14.7   | 14.7   | 14.7   | 14.7   | 14.7   | 14.7   | 19.5   | 26.0   | 29.2   | 25.1   |
| 92.5°  | 73.1   | 70.2   | 58.6   | 47.0   | 58.6   | 70.2   | 73.1   | 103.7  | 144.4  | 164.8  | 144.7  |
| 95°    | 248.4  | 239.6  | 204.3  | 169.1  | 204.3  | 239.6  | 248.4  | 326.2  | 429.8  | 481.7  | 406.8  |
| 97.5°  | 573.3  | 556.5  | 489.4  | 422.4  | 489.4  | 556.5  | 573.3  | 622.4  | 688.0  | 720.8  | 595.9  |
| 100°   | 805.0  | 785.0  | 705.2  | 625.2  | 705.2  | 785.0  | 805.0  | 801.5  | 796.7  | 794.3  | 655.8  |
| 102.5° | 1002.9 | 985.8  | 917.4  | 848.9  | 917.4  | 985.8  | 1002.9 | 940.4  | 856.9  | 815.1  | 674.6  |
| 105°   | 1234.0 | 1224.8 | 1188.0 | 1151.2 | 1188.0 | 1224.8 | 1234.0 | 1093.6 | 906.4  | 812.8  | 676.8  |
| 107.5° | 1354.1 | 1356.4 | 1365.2 | 1374.1 | 1365.2 | 1356.4 | 1354.1 | 1158.3 | 897.1  | 766.5  | 646.6  |
| 110°   | 1384.8 | 1394.5 | 1432.8 | 1471.1 | 1432.8 | 1394.5 | 1384.8 | 1165.9 | 874.0  | 728.1  | 619.9  |

TEST NUMBER: P934296

CATALOG NUMBER: SQ4-FA-050U-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° | 1365.2 | 1380.0 | 1438.8 | 1497.7 | 1438.8 | 1380.0 | 1365.2 | 1141.2 | 842.4 | 693.0 | 596.6 |
| 115°   | 1298.6 | 1319.0 | 1400.6 | 1482.3 | 1400.6 | 1319.0 | 1298.6 | 1082.8 | 795.0 | 651.1 | 569.9 |
| 117.5° | 1206.6 | 1229.2 | 1319.8 | 1410.3 | 1319.8 | 1229.2 | 1206.6 | 1011.8 | 752.1 | 622.1 | 553.1 |
| 120°   | 1144.6 | 1166.6 | 1254.5 | 1342.5 | 1254.5 | 1166.6 | 1144.6 | 966.6  | 729.3 | 610.6 | 547.5 |
| 122.5° | 1082.7 | 1104.4 | 1191.1 | 1277.9 | 1191.1 | 1104.4 | 1082.7 | 922.4  | 708.6 | 601.8 | 544.5 |
| 125°   | 1000.7 | 1020.7 | 1100.5 | 1180.5 | 1100.5 | 1020.7 | 1000.7 | 864.5  | 682.9 | 592.2 | 542.1 |
| 127.5° | 934.8  | 951.7  | 1019.1 | 1086.5 | 1019.1 | 951.7  | 934.8  | 817.9  | 662.0 | 584.0 | 540.7 |
| 130°   | 893.2  | 908.8  | 971.1  | 1033.4 | 971.1  | 908.8  | 893.2  | 789.1  | 650.3 | 580.9 | 541.5 |
| 132.5° | 857.8  | 871.7  | 927.6  | 983.3  | 927.6  | 871.7  | 857.8  | 764.7  | 640.4 | 578.3 | 542.1 |
| 135°   | 807.7  | 819.8  | 867.9  | 916.0  | 867.9  | 819.8  | 807.7  | 729.7  | 625.7 | 573.7 | 541.5 |
| 137.5° | 770.8  | 780.6  | 820.1  | 859.4  | 820.1  | 780.6  | 770.8  | 704.9  | 616.9 | 572.9 | 544.9 |
| 140°   | 741.1  | 750.3  | 787.1  | 823.9  | 787.1  | 750.3  | 741.1  | 684.2  | 608.2 | 570.2 | 545.5 |
| 142.5° | 720.4  | 728.3  | 759.9  | 791.6  | 759.9  | 728.3  | 720.4  | 670.3  | 603.6 | 570.2 | 547.4 |
| 145°   | 689.2  | 695.2  | 719.2  | 743.1  | 719.2  | 695.2  | 689.2  | 648.3  | 593.7 | 566.4 | 547.5 |
| 147.5° | 663.0  | 667.9  | 687.8  | 707.7  | 687.8  | 667.9  | 663.0  | 630.7  | 587.9 | 566.4 | 551.2 |
| 150°   | 648.0  | 652.0  | 668.1  | 684.2  | 668.1  | 652.0  | 648.0  | 620.8  | 584.5 | 566.4 | 553.2 |
| 152.5° | 636.1  | 639.1  | 651.3  | 663.4  | 651.3  | 639.1  | 636.1  | 612.8  | 581.9 | 566.4 | 554.5 |
| 155°   | 621.8  | 623.8  | 631.9  | 639.9  | 631.9  | 623.8  | 621.8  | 603.3  | 578.7 | 566.4 | 557.3 |
| 157.5° | 609.4  | 610.8  | 616.5  | 622.1  | 616.5  | 610.8  | 609.4  | 595.1  | 575.9 | 566.4 | 560.1 |
| 160°   | 603.3  | 604.1  | 607.4  | 610.6  | 607.4  | 604.1  | 603.3  | 590.9  | 574.6 | 566.4 | 561.4 |
| 162.5° | 597.6  | 598.3  | 601.4  | 604.5  | 601.4  | 598.3  | 597.6  | 587.2  | 573.3 | 566.4 | 562.8 |
| 165°   | 588.7  | 589.5  | 592.7  | 596.0  | 592.7  | 589.5  | 588.7  | 581.2  | 571.3 | 566.4 | 564.7 |
| 167.5° | 584.9  | 585.2  | 586.6  | 588.0  | 586.6  | 585.2  | 584.9  | 580.0  | 573.5 | 570.2 | 568.8 |
| 170°   | 584.9  | 584.9  | 584.9  | 584.9  | 584.9  | 584.9  | 584.9  | 580.0  | 573.5 | 570.2 | 570.1 |
| 172.5° | 581.8  | 581.5  | 580.3  | 579.1  | 580.3  | 581.5  | 581.8  | 578.0  | 572.8 | 570.2 | 570.2 |
| 175°   | 577.5  | 577.5  | 577.5  | 577.5  | 577.5  | 577.5  | 577.5  | 575.1  | 571.8 | 570.2 | 571.0 |
| 177.5° | 576.7  | 576.4  | 575.1  | 573.7  | 575.1  | 576.4  | 576.7  | 574.8  | 572.3 | 571.0 | 571.5 |
| 180°   | 573.7  | 573.7  | 573.7  | 573.7  | 573.7  | 573.7  | 573.7  | 573.7  | 573.7 | 573.7 | 573.7 |

TEST NUMBER: P934296

CATALOG NUMBER: SQ4-FA-050U-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°    | 16.9   | 10.7   | 10.0   | 6.9    | 3.8    |
| 92.5°  | 104.5  | 74.3   | 67.8   | 41.6   | 15.4   |
| 95°    | 257.0  | 144.8  | 132.8  | 84.9   | 37.0   |
| 97.5°  | 346.2  | 159.0  | 148.4  | 106.1  | 63.9   |
| 100°   | 378.7  | 170.9  | 161.3  | 123.0  | 84.7   |
| 102.5° | 393.6  | 182.9  | 173.9  | 138.2  | 102.5  |
| 105°   | 404.7  | 200.6  | 193.1  | 162.7  | 132.4  |
| 107.5° | 406.7  | 226.8  | 219.7  | 191.5  | 163.3  |
| 110°   | 403.7  | 241.4  | 235.1  | 209.5  | 184.0  |



TEST NUMBER: P934296

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

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 337.5° | 340°  | 350°  | 360°  |
|--------|-------|--------|-------|-------|-------|
| 112.5° | 403.8 | 259.1  | 253.0 | 228.7 | 204.5 |
| 115°   | 407.5 | 285.7  | 280.1 | 257.7 | 235.3 |
| 117.5° | 415.1 | 311.5  | 306.4 | 286.0 | 265.6 |
| 120°   | 421.2 | 326.5  | 321.8 | 302.5 | 283.4 |
| 122.5° | 430.0 | 344.2  | 339.3 | 320.0 | 300.7 |
| 125°   | 442.0 | 366.9  | 362.5 | 344.8 | 327.3 |
| 127.5° | 453.9 | 388.8  | 384.3 | 366.6 | 348.8 |
| 130°   | 462.6 | 403.5  | 398.7 | 379.5 | 360.3 |
| 132.5° | 469.7 | 415.4  | 410.7 | 391.4 | 372.3 |
| 135°   | 477.4 | 429.3  | 424.9 | 407.5 | 390.0 |
| 137.5° | 488.9 | 447.0  | 442.7 | 425.4 | 408.2 |
| 140°   | 496.0 | 459.0  | 455.0 | 439.1 | 423.1 |
| 142.5° | 501.9 | 467.7  | 464.1 | 449.3 | 434.7 |
| 145°   | 509.7 | 481.3  | 478.1 | 465.2 | 452.4 |
| 147.5° | 520.9 | 498.2  | 495.1 | 482.6 | 470.1 |
| 150°   | 526.9 | 507.1  | 504.3 | 493.0 | 481.7 |
| 152.5° | 530.7 | 512.9  | 510.7 | 502.2 | 493.6 |
| 155°   | 539.2 | 525.6  | 524.0 | 517.6 | 511.3 |
| 157.5° | 547.6 | 538.3  | 536.7 | 530.5 | 524.3 |
| 160°   | 551.5 | 544.1  | 542.8 | 538.1 | 533.2 |
| 162.5° | 555.6 | 550.2  | 549.3 | 545.7 | 542.1 |
| 165°   | 561.4 | 559.0  | 558.2 | 555.0 | 551.7 |
| 167.5° | 566.1 | 564.0  | 563.7 | 562.1 | 560.6 |
| 170°   | 569.9 | 569.8  | 569.5 | 567.9 | 566.4 |
| 172.5° | 570.2 | 570.2  | 570.1 | 569.8 | 569.5 |
| 175°   | 572.5 | 573.7  | 573.7 | 573.7 | 573.7 |
| 177.5° | 572.7 | 573.7  | 573.7 | 573.7 | 573.7 |
| 180°   | 573.7 | 573.7  | 573.7 | 573.7 | 573.7 |

TEST NUMBER: P934296

CATALOG NUMBER: SQ4-FA-050U-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 | 10.93            | 11.77 | 11.90 | 12.76 | 14.06 | 13.77          | 14.61 | 14.74 | 15.60 | 16.90 |
|                 | 3H   | 11.40            | 12.16 | 12.39 | 13.16 | 14.48 | 15.11          | 15.87 | 16.10 | 16.87 | 18.19 |
|                 | 4H   | 11.59            | 12.31 | 12.59 | 13.31 | 14.64 | 15.56          | 16.27 | 16.56 | 17.27 | 18.60 |
|                 | 6H   | 11.71            | 12.37 | 12.72 | 13.38 | 14.72 | 15.84          | 16.50 | 16.85 | 17.51 | 18.85 |
|                 | 8H   | 11.71            | 12.34 | 12.73 | 13.36 | 14.70 | 15.92          | 16.55 | 16.93 | 17.57 | 18.91 |
|                 | 12H  | 11.68            | 12.28 | 12.70 | 13.30 | 14.66 | 15.96          | 16.55 | 16.98 | 17.57 | 18.93 |
| 4H              | 2H   | 11.96            | 12.68 | 12.97 | 13.68 | 15.01 | 14.17          | 14.89 | 15.18 | 15.89 | 17.22 |
|                 | 3H   | 12.99            | 13.58 | 14.00 | 14.61 | 15.96 | 15.68          | 16.28 | 16.69 | 17.31 | 18.65 |
|                 | 4H   | 13.26            | 13.81 | 14.28 | 14.83 | 16.19 | 16.21          | 16.75 | 17.23 | 17.78 | 19.14 |
|                 | 6H   | 13.39            | 13.86 | 14.42 | 14.90 | 16.26 | 16.57          | 17.04 | 17.61 | 18.09 | 19.45 |
|                 | 8H   | 13.39            | 13.83 | 14.42 | 14.87 | 16.24 | 16.68          | 17.12 | 17.72 | 18.16 | 19.54 |
|                 | 12H  | 13.36            | 13.75 | 14.41 | 14.81 | 16.19 | 16.74          | 17.14 | 17.79 | 18.19 | 19.57 |
| 8H              | 4H   | 13.72            | 14.15 | 14.75 | 15.19 | 16.57 | 16.33          | 16.77 | 17.36 | 17.81 | 19.18 |
|                 | 6H   | 13.98            | 14.34 | 15.03 | 15.42 | 16.79 | 16.77          | 17.13 | 17.83 | 18.21 | 19.59 |
|                 | 8H   | 14.02            | 14.34 | 15.08 | 15.40 | 16.80 | 16.92          | 17.24 | 17.99 | 18.30 | 19.70 |
|                 | 12H  | 14.00            | 14.28 | 15.07 | 15.34 | 16.78 | 17.02          | 17.30 | 18.09 | 18.36 | 19.80 |
| 12H             | 4H   | 13.72            | 14.12 | 14.77 | 15.17 | 16.55 | 16.30          | 16.69 | 17.35 | 17.74 | 19.13 |
|                 | 6H   | 14.04            | 14.36 | 15.10 | 15.42 | 16.81 | 16.77          | 17.08 | 17.83 | 18.15 | 19.54 |
|                 | 8H   | 14.10            | 14.38 | 15.17 | 15.44 | 16.88 | 16.93          | 17.21 | 18.00 | 18.27 | 19.70 |

END OF REPORT