

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: P934483

Luminaire Tested: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-4-3000K

Issue Date: 12/17/2024

**Test Information**

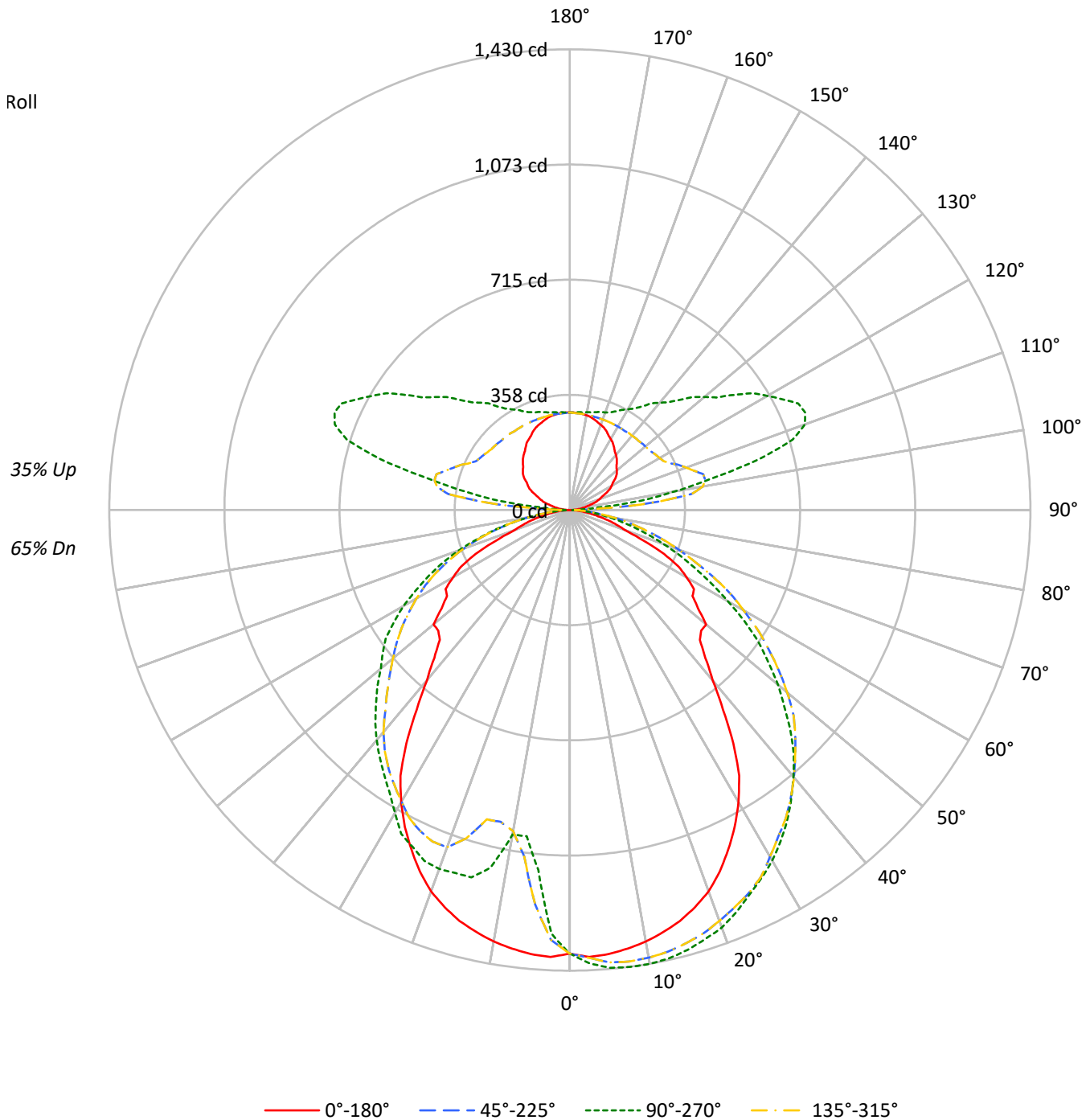
Test Method: LM-79-2019  
Report Number: P934483  
REPORT IS A COMBINATION OF REPORTS P933698 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-4-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5534.4 lumens  
Efficiency: N/A  
Efficacy: 122.4 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')  
CIE Type: Semi-Direct  
  
Input Watts (W): 45.2  
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: P934483  
CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-4-3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P934483

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-4-3000K

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

|     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    |    |
| RC  | 80  |     |     |     | 70  |     |     |     | 50 |    |    |    | 30 |    |    |    | 10 |    |    | 0  |    |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0  |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 111 | 111 | 111 | 111 | 104 | 104 | 104 | 104 | 91 | 91 | 91 | 80 | 80 | 80 | 69 | 69 | 69 | 69 | 69 | 69 | 65 |
| 1   | 101 | 97  | 93  | 89  | 95  | 91  | 88  | 84  | 80 | 78 | 75 | 71 | 69 | 67 | 62 | 60 | 59 | 62 | 60 | 59 | 55 |
| 2   | 92  | 85  | 78  | 73  | 86  | 80  | 74  | 69  | 70 | 66 | 63 | 62 | 59 | 56 | 54 | 52 | 50 | 54 | 52 | 50 | 46 |
| 3   | 84  | 74  | 67  | 61  | 79  | 70  | 63  | 58  | 62 | 57 | 53 | 55 | 51 | 47 | 48 | 45 | 42 | 48 | 45 | 42 | 39 |
| 4   | 77  | 66  | 58  | 52  | 72  | 62  | 55  | 49  | 55 | 49 | 45 | 49 | 44 | 41 | 43 | 39 | 36 | 43 | 39 | 36 | 33 |
| 5   | 71  | 59  | 50  | 44  | 66  | 56  | 48  | 42  | 49 | 43 | 39 | 44 | 39 | 35 | 39 | 35 | 32 | 39 | 35 | 32 | 29 |
| 6   | 65  | 53  | 44  | 38  | 61  | 50  | 42  | 37  | 45 | 38 | 34 | 40 | 35 | 31 | 35 | 31 | 28 | 35 | 31 | 28 | 25 |
| 7   | 60  | 48  | 39  | 34  | 56  | 45  | 38  | 32  | 40 | 34 | 30 | 36 | 31 | 27 | 32 | 28 | 25 | 32 | 28 | 25 | 22 |
| 8   | 56  | 43  | 35  | 30  | 52  | 41  | 34  | 29  | 37 | 31 | 27 | 33 | 28 | 24 | 29 | 25 | 22 | 29 | 25 | 22 | 20 |
| 9   | 52  | 40  | 32  | 27  | 49  | 38  | 31  | 26  | 34 | 28 | 24 | 30 | 25 | 22 | 27 | 23 | 20 | 27 | 23 | 20 | 18 |
| 10  | 49  | 36  | 29  | 24  | 46  | 35  | 28  | 23  | 31 | 25 | 21 | 28 | 23 | 20 | 25 | 21 | 18 | 25 | 21 | 18 | 16 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 12777 | 12777 | 12777 | 12777 |
| 5°  | 12860 | 12898 | 12860 | 10142 |
| 10° | 12759 | 12705 | 12759 | 9084  |
| 15° | 12605 | 12429 | 12605 | 10379 |
| 20° | 12327 | 12104 | 12327 | 10401 |
| 25° | 11774 | 11629 | 11774 | 10180 |
| 30° | 11063 | 11234 | 11063 | 9697  |
| 35° | 9847  | 10734 | 9847  | 9165  |
| 40° | 8192  | 10146 | 8192  | 8764  |
| 45° | 7305  | 9457  | 7305  | 8301  |
| 50° | 7744  | 8637  | 7744  | 7837  |
| 55° | 7265  | 7753  | 7265  | 7569  |
| 60° | 7460  | 6584  | 7460  | 6932  |
| 65° | 6733  | 5443  | 6733  | 6085  |
| 70° | 4631  | 4338  | 4631  | 5100  |
| 75° | 4017  | 3206  | 4017  | 3839  |
| 80° | 3168  | 2119  | 3168  | 2309  |
| 85° | 1722  | 1123  | 1722  | 954   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 11217 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 124.3  | 2.2       |
| 10°-20°   | 352.9  | 6.4       |
| 20°-30°   | 545.5  | 9.9       |
| 30°-40°   | 651.3  | 11.8      |
| 40°-50°   | 655.1  | 11.8      |
| 50°-60°   | 570.0  | 10.3      |
| 60°-70°   | 404.1  | 7.3       |
| 70°-80°   | 213.8  | 3.9       |
| 80°-90°   | 54.4   | 1.0       |
| 90°-100°  | 147.6  | 2.7       |
| 100°-110° | 388.1  | 7.0       |
| 110°-120° | 402.4  | 7.3       |
| 120°-130° | 322.8  | 5.8       |
| 130°-140° | 253.2  | 4.6       |
| 140°-150° | 194.4  | 3.5       |
| 150°-160° | 140.0  | 2.5       |
| 160°-170° | 85.6   | 1.5       |
| 170°-180° | 28.9   | 0.5       |
| 0°-30°    | 1022.8 | 18.5      |
| 0°-40°    | 1674.0 | 30.2      |
| 0°-60°    | 2899.1 | 52.4      |
| 0°-90°    | 3571.5 | 64.5      |
| 90°-120°  | 938.0  | 16.9      |
| 90°-150°  | 1708.4 | 30.9      |
| 90°-180°  | 1963.0 | 35.5      |
| 0°-180°   | 5534.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1377 | 1377 | 1377 | 1377 | 1377 |      |
| 5°   | 1384 | 1426 | 1384 | 1122 | 1384 | 131  |
| 15°  | 1321 | 1413 | 1321 | 1180 | 1321 | 372  |
| 25°  | 1163 | 1318 | 1163 | 1154 | 1163 | 534  |
| 35°  | 884  | 1176 | 884  | 1004 | 884  | 547  |
| 45°  | 571  | 969  | 571  | 851  | 571  | 457  |
| 55°  | 465  | 715  | 465  | 698  | 465  | 427  |
| 65°  | 323  | 431  | 323  | 482  | 323  | 309  |
| 75°  | 122  | 204  | 122  | 245  | 122  | 129  |
| 85°  | 21   | 52   | 21   | 44   | 21   | 28   |
| 90°  | 2    | 8    | 2    | 8    | 2    | 3    |
| 95°  | 20   | 89   | 20   | 89   | 20   | 22   |
| 105° | 70   | 608  | 70   | 608  | 70   | 74   |
| 115° | 124  | 782  | 124  | 782  | 124  | 123  |
| 125° | 173  | 623  | 173  | 623  | 173  | 153  |
| 135° | 206  | 483  | 206  | 483  | 206  | 159  |
| 145° | 239  | 392  | 239  | 392  | 239  | 150  |
| 155° | 270  | 338  | 270  | 338  | 270  | 124  |
| 165° | 291  | 315  | 291  | 315  | 291  | 82   |
| 175° | 303  | 305  | 303  | 305  | 303  | 29   |
| 180° | 303  | 303  | 303  | 303  | 303  |      |



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CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-4-3000K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 |
| 2.5°   | 1388.7 | 1388.7 | 1396.6 | 1399.1 | 1399.1 | 1395.2 | 1391.3 | 1395.2 | 1406.9 | 1410.9 | 1409.6 |
| 5°     | 1383.6 | 1393.9 | 1408.3 | 1410.9 | 1413.4 | 1412.1 | 1409.6 | 1412.1 | 1425.2 | 1427.8 | 1429.1 |
| 7.5°   | 1373.1 | 1392.6 | 1410.9 | 1414.8 | 1418.7 | 1414.8 | 1413.4 | 1416.1 | 1429.1 | 1431.7 | 1431.7 |
| 10°    | 1360.1 | 1387.4 | 1408.3 | 1410.9 | 1414.8 | 1410.9 | 1410.9 | 1416.1 | 1429.1 | 1431.7 | 1433.1 |
| 12.5°  | 1341.8 | 1379.6 | 1399.1 | 1401.8 | 1406.9 | 1405.6 | 1404.4 | 1409.6 | 1422.6 | 1425.2 | 1425.2 |
| 15°    | 1320.9 | 1365.3 | 1383.6 | 1386.1 | 1395.2 | 1392.6 | 1392.6 | 1397.9 | 1412.1 | 1416.1 | 1414.8 |
| 17.5°  | 1292.4 | 1347.1 | 1367.9 | 1371.8 | 1378.3 | 1376.9 | 1378.3 | 1383.6 | 1396.6 | 1399.1 | 1400.4 |
| 20°    | 1259.7 | 1322.3 | 1347.1 | 1350.9 | 1357.4 | 1357.4 | 1357.4 | 1363.9 | 1376.9 | 1382.2 | 1382.2 |
| 22.5°  | 1215.4 | 1296.2 | 1322.3 | 1324.9 | 1332.7 | 1332.7 | 1335.3 | 1344.4 | 1356.1 | 1357.4 | 1357.4 |
| 25°    | 1163.4 | 1267.6 | 1289.7 | 1297.6 | 1305.4 | 1309.2 | 1313.2 | 1318.4 | 1322.3 | 1320.9 | 1322.3 |
| 27.5°  | 1108.7 | 1231.1 | 1259.7 | 1264.9 | 1275.4 | 1279.3 | 1284.5 | 1285.8 | 1287.1 | 1291.0 | 1288.4 |
| 30°    | 1047.4 | 1180.2 | 1223.2 | 1228.5 | 1245.4 | 1248.0 | 1242.9 | 1245.4 | 1251.9 | 1254.6 | 1257.2 |
| 32.5°  | 978.3  | 1104.7 | 1185.5 | 1197.2 | 1212.9 | 1205.0 | 1203.7 | 1207.7 | 1218.1 | 1218.1 | 1220.7 |
| 35°    | 884.5  | 1046.1 | 1150.4 | 1160.7 | 1172.5 | 1163.4 | 1168.5 | 1169.9 | 1176.4 | 1180.2 | 1179.0 |
| 37.5°  | 781.6  | 995.3  | 1113.9 | 1121.7 | 1130.7 | 1119.0 | 1126.9 | 1130.7 | 1136.0 | 1133.4 | 1133.4 |
| 40°    | 690.5  | 915.8  | 1070.9 | 1076.0 | 1083.9 | 1074.7 | 1082.5 | 1085.2 | 1087.8 | 1085.2 | 1083.9 |
| 42.5°  | 622.8  | 828.5  | 1025.2 | 1031.8 | 1026.5 | 1033.0 | 1035.7 | 1040.9 | 1037.0 | 1031.8 | 1031.8 |
| 45°    | 570.6  | 805.1  | 975.7  | 983.5  | 975.7  | 986.2  | 990.0  | 990.0  | 978.3  | 975.7  | 974.5  |
| 47.5°  | 553.6  | 758.2  | 926.2  | 926.2  | 922.3  | 935.3  | 941.9  | 932.8  | 921.0  | 917.2  | 917.2  |
| 50°    | 552.4  | 706.1  | 858.5  | 853.3  | 871.5  | 887.2  | 880.7  | 871.5  | 862.5  | 848.1  | 848.1  |
| 52.5°  | 501.6  | 642.3  | 771.2  | 790.8  | 819.5  | 828.5  | 818.1  | 809.0  | 793.3  | 786.8  | 781.6  |
| 55°    | 465.1  | 575.8  | 691.8  | 730.8  | 760.8  | 772.5  | 753.0  | 743.8  | 720.4  | 716.5  | 713.9  |
| 57.5°  | 457.3  | 479.4  | 618.8  | 668.3  | 704.8  | 703.5  | 691.8  | 674.8  | 655.3  | 651.4  | 650.1  |
| 60°    | 419.4  | 346.5  | 540.6  | 599.3  | 637.1  | 633.1  | 622.8  | 607.1  | 588.8  | 586.3  | 583.6  |
| 62.5°  | 380.4  | 251.4  | 452.1  | 518.5  | 571.9  | 570.6  | 561.5  | 538.1  | 525.0  | 518.5  | 513.3  |
| 65°    | 323.1  | 211.0  | 321.7  | 431.2  | 508.1  | 510.6  | 491.1  | 474.2  | 459.9  | 452.1  | 450.7  |
| 67.5°  | 246.2  | 172.0  | 217.5  | 359.6  | 446.9  | 444.2  | 419.4  | 411.7  | 393.4  | 389.5  | 381.7  |
| 70°    | 182.4  | 114.7  | 151.2  | 291.9  | 386.9  | 380.4  | 360.9  | 351.7  | 334.8  | 325.7  | 320.4  |
| 72.5°  | 151.2  | 92.5   | 110.7  | 226.7  | 325.7  | 317.9  | 300.9  | 290.5  | 276.2  | 268.4  | 263.2  |
| 75°    | 122.5  | 97.7   | 84.7   | 168.0  | 264.4  | 259.2  | 243.6  | 233.2  | 221.5  | 211.0  | 212.4  |
| 77.5°  | 89.9   | 91.2   | 67.7   | 123.7  | 209.7  | 201.9  | 192.8  | 179.7  | 174.5  | 164.2  | 164.2  |
| 80°    | 67.7   | 71.7   | 50.8   | 84.7   | 151.2  | 151.2  | 143.3  | 134.2  | 125.0  | 119.9  | 119.9  |
| 82.5°  | 45.6   | 45.6   | 37.8   | 53.4   | 102.9  | 99.0   | 93.8   | 91.2   | 86.0   | 83.4   | 83.4   |
| 85°    | 20.8   | 26.0   | 23.5   | 32.5   | 56.0   | 58.7   | 58.7   | 56.0   | 54.7   | 52.1   | 53.4   |
| 87.5°  | 6.5    | 11.7   | 14.3   | 18.2   | 28.7   | 30.0   | 31.3   | 31.3   | 31.3   | 32.5   | 32.5   |
| 90°    | 2.1    | 3.6    | 5.3    | 5.7    | 9.0    | 13.3   | 15.5   | 13.7   | 10.3   | 7.7    | 7.7    |
| 92.5°  | 8.1    | 21.9   | 35.8   | 39.2   | 55.1   | 76.3   | 87.0   | 76.2   | 54.7   | 38.7   | 37.1   |
| 95°    | 19.5   | 44.8   | 70.1   | 76.4   | 135.7  | 214.7  | 254.2  | 226.8  | 172.1  | 131.0  | 126.4  |
| 97.5°  | 33.7   | 56.0   | 78.3   | 83.9   | 182.7  | 314.5  | 380.4  | 363.1  | 328.5  | 302.6  | 293.7  |
| 100°   | 44.7   | 64.9   | 85.2   | 90.2   | 199.9  | 346.1  | 419.2  | 420.5  | 423.1  | 425.0  | 414.4  |
| 102.5° | 54.0   | 73.0   | 91.8   | 96.5   | 207.8  | 356.0  | 430.2  | 452.3  | 496.4  | 529.4  | 520.3  |
| 105°   | 69.9   | 85.9   | 101.9  | 105.9  | 213.6  | 357.2  | 429.0  | 478.4  | 577.2  | 651.4  | 646.5  |
| 107.5° | 86.2   | 101.1  | 116.0  | 119.7  | 214.7  | 341.4  | 404.7  | 473.6  | 611.4  | 714.8  | 715.9  |
| 110°   | 97.1   | 110.5  | 124.0  | 127.4  | 213.1  | 327.3  | 384.3  | 461.3  | 615.5  | 731.0  | 736.0  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°   | 60°   | 67.5° | 70°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 107.9 | 120.7 | 133.5 | 136.8 | 213.1 | 314.9 | 365.8 | 444.7 | 602.3 | 720.7 | 728.5 |
| 115°   | 124.1 | 136.0 | 147.8 | 150.8 | 215.0 | 300.7 | 343.6 | 419.5 | 571.5 | 685.5 | 696.2 |
| 117.5° | 140.2 | 151.0 | 161.7 | 164.4 | 219.1 | 292.0 | 328.4 | 397.0 | 534.0 | 636.9 | 648.8 |
| 120°   | 149.6 | 159.7 | 169.8 | 172.4 | 222.3 | 289.0 | 322.3 | 384.9 | 510.3 | 604.2 | 615.9 |
| 122.5° | 158.7 | 169.0 | 179.2 | 181.7 | 227.0 | 287.4 | 317.6 | 374.0 | 486.9 | 571.5 | 582.9 |
| 125°   | 172.7 | 182.0 | 191.3 | 193.7 | 233.3 | 286.1 | 312.6 | 360.5 | 456.3 | 528.2 | 538.8 |
| 127.5° | 184.1 | 193.6 | 202.9 | 205.3 | 239.6 | 285.4 | 308.3 | 349.4 | 431.7 | 493.4 | 502.3 |
| 130°   | 190.2 | 200.4 | 210.4 | 213.0 | 244.2 | 285.8 | 306.6 | 343.3 | 416.6 | 471.5 | 479.7 |
| 132.5° | 196.5 | 206.7 | 216.7 | 219.3 | 248.0 | 286.1 | 305.3 | 338.0 | 403.6 | 452.8 | 460.2 |
| 135°   | 205.9 | 215.0 | 224.3 | 226.6 | 252.0 | 285.8 | 302.8 | 330.2 | 385.1 | 426.3 | 432.7 |
| 137.5° | 215.4 | 224.5 | 233.7 | 235.9 | 258.1 | 287.6 | 302.4 | 325.6 | 372.0 | 406.8 | 412.0 |
| 140°   | 223.3 | 231.7 | 240.2 | 242.3 | 261.8 | 287.9 | 300.9 | 321.0 | 361.2 | 391.2 | 396.1 |
| 142.5° | 229.4 | 237.2 | 244.9 | 246.9 | 264.9 | 288.9 | 300.9 | 318.6 | 353.8 | 380.2 | 384.3 |
| 145°   | 238.8 | 245.5 | 252.3 | 254.0 | 269.0 | 289.0 | 299.0 | 313.4 | 342.1 | 363.7 | 366.9 |
| 147.5° | 248.2 | 254.8 | 261.3 | 263.0 | 275.0 | 291.0 | 299.0 | 310.3 | 333.0 | 349.9 | 352.6 |
| 150°   | 254.2 | 260.1 | 266.1 | 267.6 | 278.1 | 292.0 | 299.0 | 308.5 | 327.6 | 342.0 | 344.2 |
| 152.5° | 260.5 | 265.0 | 269.6 | 270.7 | 280.1 | 292.6 | 299.0 | 307.1 | 323.5 | 335.7 | 337.3 |
| 155°   | 269.9 | 273.2 | 276.6 | 277.4 | 284.6 | 294.1 | 299.0 | 305.5 | 318.5 | 328.2 | 329.3 |
| 157.5° | 276.8 | 280.0 | 283.3 | 284.1 | 289.0 | 295.6 | 299.0 | 304.0 | 314.1 | 321.7 | 322.5 |
| 160°   | 281.5 | 284.0 | 286.5 | 287.1 | 291.1 | 296.3 | 299.0 | 303.3 | 312.0 | 318.5 | 318.9 |
| 162.5° | 286.1 | 288.0 | 289.9 | 290.4 | 293.2 | 297.1 | 299.0 | 302.6 | 309.9 | 315.4 | 315.8 |
| 165°   | 291.3 | 292.9 | 294.7 | 295.1 | 296.4 | 298.1 | 299.0 | 301.5 | 306.7 | 310.7 | 311.1 |
| 167.5° | 295.9 | 296.7 | 297.5 | 297.7 | 298.8 | 300.2 | 300.9 | 302.7 | 306.2 | 308.7 | 308.9 |
| 170°   | 299.0 | 299.7 | 300.5 | 300.7 | 300.8 | 300.9 | 300.9 | 302.7 | 306.2 | 308.7 | 308.7 |
| 172.5° | 300.5 | 300.7 | 300.9 | 300.9 | 300.9 | 300.9 | 300.9 | 302.3 | 305.0 | 307.0 | 306.8 |
| 175°   | 302.8 | 302.8 | 302.8 | 302.8 | 302.2 | 301.3 | 300.9 | 301.8 | 303.6 | 304.9 | 304.9 |
| 177.5° | 302.8 | 302.8 | 302.8 | 302.8 | 302.3 | 301.7 | 301.4 | 302.1 | 303.5 | 304.5 | 304.3 |
| 180°   | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 |



TEST NUMBER: P934483

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 |
| 2.5°   | 1412.1 | 1408.3 | 1412.1 | 1409.6 | 1410.9 | 1406.9 | 1395.2 | 1391.3 | 1395.2 | 1399.1 | 1399.1 |
| 5°     | 1429.1 | 1426.5 | 1429.1 | 1429.1 | 1427.8 | 1425.2 | 1412.1 | 1409.6 | 1412.1 | 1413.4 | 1410.9 |
| 7.5°   | 1434.3 | 1430.4 | 1434.3 | 1431.7 | 1431.7 | 1429.1 | 1416.1 | 1413.4 | 1414.8 | 1418.7 | 1414.8 |
| 10°    | 1434.3 | 1430.4 | 1434.3 | 1433.1 | 1431.7 | 1429.1 | 1416.1 | 1410.9 | 1410.9 | 1414.8 | 1410.9 |
| 12.5°  | 1427.8 | 1425.2 | 1427.8 | 1425.2 | 1425.2 | 1422.6 | 1409.6 | 1404.4 | 1405.6 | 1406.9 | 1401.8 |
| 15°    | 1417.4 | 1413.4 | 1417.4 | 1414.8 | 1416.1 | 1412.1 | 1397.9 | 1392.6 | 1392.6 | 1395.2 | 1386.1 |
| 17.5°  | 1401.8 | 1396.6 | 1401.8 | 1400.4 | 1399.1 | 1396.6 | 1383.6 | 1378.3 | 1376.9 | 1378.3 | 1371.8 |
| 20°    | 1383.6 | 1379.6 | 1383.6 | 1382.2 | 1382.2 | 1376.9 | 1363.9 | 1357.4 | 1357.4 | 1357.4 | 1350.9 |
| 22.5°  | 1354.9 | 1350.9 | 1354.9 | 1357.4 | 1357.4 | 1356.1 | 1344.4 | 1335.3 | 1332.7 | 1332.7 | 1324.9 |
| 25°    | 1322.3 | 1318.4 | 1322.3 | 1322.3 | 1320.9 | 1322.3 | 1318.4 | 1313.2 | 1309.2 | 1305.4 | 1297.6 |
| 27.5°  | 1291.0 | 1288.4 | 1291.0 | 1288.4 | 1291.0 | 1287.1 | 1285.8 | 1284.5 | 1279.3 | 1275.4 | 1264.9 |
| 30°    | 1259.7 | 1257.2 | 1259.7 | 1257.2 | 1254.6 | 1251.9 | 1245.4 | 1242.9 | 1248.0 | 1245.4 | 1228.5 |
| 32.5°  | 1220.7 | 1218.1 | 1220.7 | 1220.7 | 1218.1 | 1218.1 | 1207.7 | 1203.7 | 1205.0 | 1212.9 | 1197.2 |
| 35°    | 1180.2 | 1176.4 | 1180.2 | 1179.0 | 1180.2 | 1176.4 | 1169.9 | 1168.5 | 1163.4 | 1172.5 | 1160.7 |
| 37.5°  | 1133.4 | 1129.5 | 1133.4 | 1133.4 | 1133.4 | 1136.0 | 1130.7 | 1126.9 | 1119.0 | 1130.7 | 1121.7 |
| 40°    | 1085.2 | 1080.0 | 1085.2 | 1083.9 | 1085.2 | 1087.8 | 1085.2 | 1082.5 | 1074.7 | 1083.9 | 1076.0 |
| 42.5°  | 1030.5 | 1029.2 | 1030.5 | 1031.8 | 1031.8 | 1037.0 | 1040.9 | 1035.7 | 1033.0 | 1026.5 | 1031.8 |
| 45°    | 971.8  | 969.2  | 971.8  | 974.5  | 975.7  | 978.3  | 990.0  | 990.0  | 986.2  | 975.7  | 983.5  |
| 47.5°  | 909.3  | 902.8  | 909.3  | 917.2  | 917.2  | 921.0  | 932.8  | 941.9  | 935.3  | 922.3  | 926.2  |
| 50°    | 842.8  | 844.2  | 842.8  | 848.1  | 848.1  | 862.5  | 871.5  | 880.7  | 887.2  | 871.5  | 853.3  |
| 52.5°  | 777.8  | 776.5  | 777.8  | 781.6  | 786.8  | 793.3  | 809.0  | 818.1  | 828.5  | 819.5  | 790.8  |
| 55°    | 712.6  | 715.2  | 712.6  | 713.9  | 716.5  | 720.4  | 743.8  | 753.0  | 772.5  | 760.8  | 730.8  |
| 57.5°  | 647.5  | 643.6  | 647.5  | 650.1  | 651.4  | 655.3  | 674.8  | 691.8  | 703.5  | 704.8  | 668.3  |
| 60°    | 571.9  | 566.7  | 571.9  | 583.6  | 586.3  | 588.8  | 607.1  | 622.8  | 633.1  | 637.1  | 599.3  |
| 62.5°  | 505.4  | 496.4  | 505.4  | 513.3  | 518.5  | 525.0  | 538.1  | 561.5  | 570.6  | 571.9  | 518.5  |
| 65°    | 435.1  | 431.2  | 435.1  | 450.7  | 452.1  | 459.9  | 474.2  | 491.1  | 510.6  | 508.1  | 431.2  |
| 67.5°  | 371.3  | 371.3  | 371.3  | 381.7  | 389.5  | 393.4  | 411.7  | 419.4  | 444.2  | 446.9  | 359.6  |
| 70°    | 312.7  | 311.4  | 312.7  | 320.4  | 325.7  | 334.8  | 351.7  | 360.9  | 380.4  | 386.9  | 291.9  |
| 72.5°  | 256.7  | 255.4  | 256.7  | 263.2  | 268.4  | 276.2  | 290.5  | 300.9  | 317.9  | 325.7  | 226.7  |
| 75°    | 207.2  | 204.5  | 207.2  | 212.4  | 211.0  | 221.5  | 233.2  | 243.6  | 259.2  | 264.4  | 168.0  |
| 77.5°  | 158.9  | 158.9  | 158.9  | 164.2  | 164.2  | 174.5  | 179.7  | 192.8  | 201.9  | 209.7  | 123.7  |
| 80°    | 118.5  | 117.2  | 118.5  | 119.9  | 119.9  | 125.0  | 134.2  | 143.3  | 151.2  | 151.2  | 84.7   |
| 82.5°  | 83.4   | 80.8   | 83.4   | 83.4   | 83.4   | 86.0   | 91.2   | 93.8   | 99.0   | 102.9  | 53.4   |
| 85°    | 52.1   | 52.1   | 52.1   | 53.4   | 52.1   | 54.7   | 56.0   | 58.7   | 58.7   | 56.0   | 32.5   |
| 87.5°  | 33.9   | 32.5   | 33.9   | 32.5   | 32.5   | 31.3   | 31.3   | 31.3   | 30.0   | 28.7   | 18.2   |
| 90°    | 7.7    | 7.7    | 7.7    | 7.7    | 7.7    | 10.3   | 13.7   | 15.5   | 13.3   | 9.0    | 5.7    |
| 92.5°  | 31.0   | 24.7   | 31.0   | 37.1   | 38.7   | 54.7   | 76.2   | 87.0   | 76.3   | 55.1   | 39.2   |
| 95°    | 107.8  | 89.2   | 107.8  | 126.4  | 131.0  | 172.1  | 226.8  | 254.2  | 214.7  | 135.7  | 76.4   |
| 97.5°  | 258.3  | 222.9  | 258.3  | 293.7  | 302.6  | 328.5  | 363.1  | 380.4  | 314.5  | 182.7  | 83.9   |
| 100°   | 372.2  | 330.0  | 372.2  | 414.4  | 425.0  | 423.1  | 420.5  | 419.2  | 346.1  | 199.9  | 90.2   |
| 102.5° | 484.2  | 448.1  | 484.2  | 520.3  | 529.4  | 496.4  | 452.3  | 430.2  | 356.0  | 207.8  | 96.5   |
| 105°   | 627.1  | 607.7  | 627.1  | 646.5  | 651.4  | 577.2  | 478.4  | 429.0  | 357.2  | 213.6  | 105.9  |
| 107.5° | 720.6  | 725.3  | 720.6  | 715.9  | 714.8  | 611.4  | 473.6  | 404.7  | 341.4  | 214.7  | 119.7  |
| 110°   | 756.3  | 776.5  | 756.3  | 736.0  | 731.0  | 615.5  | 461.3  | 384.3  | 327.3  | 213.1  | 127.4  |





TEST NUMBER: P934483

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°   | 90°   | 100°  | 110°  | 112.5° | 120°  | 130°  | 135°  | 140°  | 150°  | 157.5° |
|--------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|--------|
| 112.5° | 759.5 | 790.6 | 759.5 | 728.5 | 720.7  | 602.3 | 444.7 | 365.8 | 314.9 | 213.1 | 136.8  |
| 115°   | 739.3 | 782.4 | 739.3 | 696.2 | 685.5  | 571.5 | 419.5 | 343.6 | 300.7 | 215.0 | 150.8  |
| 117.5° | 696.6 | 744.4 | 696.6 | 648.8 | 636.9  | 534.0 | 397.0 | 328.4 | 292.0 | 219.1 | 164.4  |
| 120°   | 662.2 | 708.6 | 662.2 | 615.9 | 604.2  | 510.3 | 384.9 | 322.3 | 289.0 | 222.3 | 172.4  |
| 122.5° | 628.8 | 674.5 | 628.8 | 582.9 | 571.5  | 486.9 | 374.0 | 317.6 | 287.4 | 227.0 | 181.7  |
| 125°   | 580.9 | 623.1 | 580.9 | 538.8 | 528.2  | 456.3 | 360.5 | 312.6 | 286.1 | 233.3 | 193.7  |
| 127.5° | 537.9 | 573.5 | 537.9 | 502.3 | 493.4  | 431.7 | 349.4 | 308.3 | 285.4 | 239.6 | 205.3  |
| 130°   | 512.6 | 545.5 | 512.6 | 479.7 | 471.5  | 416.6 | 343.3 | 306.6 | 285.8 | 244.2 | 213.0  |
| 132.5° | 489.5 | 519.0 | 489.5 | 460.2 | 452.8  | 403.6 | 338.0 | 305.3 | 286.1 | 248.0 | 219.3  |
| 135°   | 458.1 | 483.4 | 458.1 | 432.7 | 426.3  | 385.1 | 330.2 | 302.8 | 285.8 | 252.0 | 226.6  |
| 137.5° | 432.8 | 453.6 | 432.8 | 412.0 | 406.8  | 372.0 | 325.6 | 302.4 | 287.6 | 258.1 | 235.9  |
| 140°   | 415.5 | 434.9 | 415.5 | 396.1 | 391.2  | 361.2 | 321.0 | 300.9 | 287.9 | 261.8 | 242.3  |
| 142.5° | 401.1 | 417.9 | 401.1 | 384.3 | 380.2  | 353.8 | 318.6 | 300.9 | 288.9 | 264.9 | 246.9  |
| 145°   | 379.6 | 392.2 | 379.6 | 366.9 | 363.7  | 342.1 | 313.4 | 299.0 | 289.0 | 269.0 | 254.0  |
| 147.5° | 363.0 | 373.5 | 363.0 | 352.6 | 349.9  | 333.0 | 310.3 | 299.0 | 291.0 | 275.0 | 263.0  |
| 150°   | 352.7 | 361.2 | 352.7 | 344.2 | 342.0  | 327.6 | 308.5 | 299.0 | 292.0 | 278.1 | 267.6  |
| 152.5° | 343.7 | 350.1 | 343.7 | 337.3 | 335.7  | 323.5 | 307.1 | 299.0 | 292.6 | 280.1 | 270.7  |
| 155°   | 333.6 | 337.8 | 333.6 | 329.3 | 328.2  | 318.5 | 305.5 | 299.0 | 294.1 | 284.6 | 277.4  |
| 157.5° | 325.5 | 328.4 | 325.5 | 322.5 | 321.7  | 314.1 | 304.0 | 299.0 | 295.6 | 289.0 | 284.1  |
| 160°   | 320.6 | 322.3 | 320.6 | 318.9 | 318.5  | 312.0 | 303.3 | 299.0 | 296.3 | 291.1 | 287.1  |
| 162.5° | 317.5 | 319.1 | 317.5 | 315.8 | 315.4  | 309.9 | 302.6 | 299.0 | 297.1 | 293.2 | 290.4  |
| 165°   | 312.9 | 314.6 | 312.9 | 311.1 | 310.7  | 306.7 | 301.5 | 299.0 | 298.1 | 296.4 | 295.1  |
| 167.5° | 309.6 | 310.3 | 309.6 | 308.9 | 308.7  | 306.2 | 302.7 | 300.9 | 300.2 | 298.8 | 297.7  |
| 170°   | 308.7 | 308.7 | 308.7 | 308.7 | 308.7  | 306.2 | 302.7 | 300.9 | 300.9 | 300.8 | 300.7  |
| 172.5° | 306.3 | 305.7 | 306.3 | 306.8 | 307.0  | 305.0 | 302.3 | 300.9 | 300.9 | 300.9 | 300.9  |
| 175°   | 304.9 | 304.9 | 304.9 | 304.9 | 304.9  | 303.6 | 301.8 | 300.9 | 301.3 | 302.2 | 302.8  |
| 177.5° | 303.6 | 302.8 | 303.6 | 304.3 | 304.5  | 303.5 | 302.1 | 301.4 | 301.7 | 302.3 | 302.8  |
| 180°   | 302.8 | 302.8 | 302.8 | 302.8 | 302.8  | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8  |



TEST NUMBER: P934483

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 |
| 2.5°   | 1396.6 | 1388.7 | 1388.7 | 1375.7 | 1370.4 | 1366.6 | 1360.1 | 1340.6 | 1335.3 | 1330.1 | 1337.9 |
| 5°     | 1408.3 | 1393.9 | 1383.6 | 1360.1 | 1340.6 | 1332.7 | 1307.9 | 1261.1 | 1229.7 | 1206.4 | 1193.4 |
| 7.5°   | 1410.9 | 1392.6 | 1373.1 | 1336.6 | 1289.7 | 1268.9 | 1193.4 | 1107.4 | 1083.9 | 1063.0 | 1050.0 |
| 10°    | 1408.3 | 1387.4 | 1360.1 | 1305.4 | 1194.6 | 1158.2 | 1082.5 | 1026.5 | 1012.2 | 1008.3 | 1012.2 |
| 12.5°  | 1399.1 | 1379.6 | 1341.8 | 1250.6 | 1095.6 | 1070.9 | 1026.5 | 994.0  | 991.4  | 997.9  | 1033.0 |
| 15°    | 1383.6 | 1365.3 | 1320.9 | 1177.7 | 1040.9 | 1022.7 | 991.4  | 979.7  | 994.0  | 1039.5 | 1145.1 |
| 17.5°  | 1367.9 | 1347.1 | 1292.4 | 1106.0 | 999.2  | 986.2  | 964.0  | 987.5  | 1068.2 | 1129.5 | 1164.7 |
| 20°    | 1347.1 | 1322.3 | 1259.7 | 1053.9 | 969.2  | 957.5  | 947.1  | 1052.7 | 1113.9 | 1136.0 | 1155.5 |
| 22.5°  | 1322.3 | 1296.2 | 1215.4 | 1017.5 | 938.0  | 928.8  | 935.3  | 1089.1 | 1113.9 | 1129.5 | 1146.4 |
| 25°    | 1289.7 | 1267.6 | 1163.4 | 988.8  | 913.2  | 902.8  | 927.5  | 1085.2 | 1099.5 | 1103.4 | 1137.3 |
| 27.5°  | 1259.7 | 1231.1 | 1108.7 | 962.7  | 883.3  | 879.3  | 934.0  | 1068.2 | 1078.7 | 1082.5 | 1119.0 |
| 30°    | 1223.2 | 1180.2 | 1047.4 | 935.3  | 852.0  | 850.7  | 935.3  | 1047.4 | 1044.8 | 1055.2 | 1091.7 |
| 32.5°  | 1185.5 | 1104.7 | 978.3  | 901.5  | 822.0  | 820.7  | 926.2  | 1016.2 | 1013.5 | 1027.9 | 1055.2 |
| 35°    | 1150.4 | 1046.1 | 884.5  | 862.5  | 784.3  | 785.5  | 904.1  | 979.7  | 981.0  | 994.0  | 1010.9 |
| 37.5°  | 1113.9 | 995.3  | 781.6  | 819.5  | 747.8  | 747.8  | 874.1  | 945.8  | 943.2  | 947.1  | 970.5  |
| 40°    | 1070.9 | 915.8  | 690.5  | 763.4  | 713.9  | 710.0  | 837.7  | 909.3  | 900.2  | 898.9  | 931.5  |
| 42.5°  | 1025.2 | 828.5  | 622.8  | 689.1  | 674.8  | 669.6  | 793.3  | 865.0  | 848.1  | 852.0  | 893.7  |
| 45°    | 975.7  | 805.1  | 570.6  | 582.3  | 634.4  | 630.5  | 745.1  | 814.2  | 802.5  | 813.0  | 855.9  |
| 47.5°  | 926.2  | 758.2  | 553.6  | 483.3  | 591.4  | 590.1  | 691.8  | 764.7  | 758.2  | 768.6  | 814.2  |
| 50°    | 858.5  | 706.1  | 552.4  | 414.3  | 543.3  | 548.4  | 627.9  | 716.5  | 716.5  | 725.6  | 773.8  |
| 52.5°  | 771.2  | 642.3  | 501.6  | 375.2  | 487.2  | 502.9  | 571.9  | 674.8  | 677.4  | 686.6  | 729.5  |
| 55°    | 691.8  | 575.8  | 465.1  | 345.2  | 420.8  | 454.6  | 517.2  | 631.8  | 637.1  | 646.1  | 685.3  |
| 57.5°  | 618.8  | 479.4  | 457.3  | 310.1  | 359.6  | 392.1  | 468.9  | 590.1  | 592.8  | 600.6  | 638.3  |
| 60°    | 540.6  | 346.5  | 419.4  | 272.2  | 306.2  | 330.9  | 424.7  | 540.6  | 549.8  | 554.9  | 587.6  |
| 62.5°  | 452.1  | 251.4  | 380.4  | 246.2  | 280.1  | 285.3  | 388.2  | 493.7  | 505.4  | 509.4  | 528.9  |
| 65°    | 321.7  | 211.0  | 323.1  | 224.1  | 252.7  | 254.0  | 349.1  | 445.6  | 455.9  | 462.4  | 476.8  |
| 67.5°  | 217.5  | 172.0  | 246.2  | 203.2  | 231.9  | 233.2  | 311.4  | 389.5  | 403.9  | 409.1  | 418.2  |
| 70°    | 151.2  | 114.7  | 182.4  | 181.1  | 208.4  | 211.0  | 271.0  | 338.7  | 351.7  | 355.7  | 360.9  |
| 72.5°  | 110.7  | 92.5   | 151.2  | 162.9  | 183.7  | 186.3  | 229.2  | 281.4  | 294.4  | 298.4  | 300.9  |
| 75°    | 84.7   | 97.7   | 122.5  | 142.0  | 156.3  | 157.7  | 187.6  | 229.2  | 238.4  | 241.0  | 242.3  |
| 77.5°  | 67.7   | 91.2   | 89.9   | 114.7  | 127.7  | 125.0  | 147.2  | 177.2  | 185.0  | 185.0  | 185.0  |
| 80°    | 50.8   | 71.7   | 67.7   | 82.0   | 93.8   | 91.2   | 105.5  | 126.4  | 129.0  | 131.5  | 130.3  |
| 82.5°  | 37.8   | 45.6   | 45.6   | 52.1   | 62.5   | 59.9   | 70.3   | 82.0   | 82.0   | 82.0   | 84.7   |
| 85°    | 23.5   | 26.0   | 20.8   | 27.3   | 35.2   | 33.9   | 39.0   | 44.3   | 45.6   | 45.6   | 43.0   |
| 87.5°  | 14.3   | 11.7   | 6.5    | 10.5   | 15.7   | 15.7   | 18.2   | 19.5   | 18.2   | 18.2   | 18.2   |
| 90°    | 5.3    | 3.6    | 2.1    | 3.6    | 5.3    | 5.7    | 9.0    | 13.3   | 15.5   | 13.7   | 10.3   |
| 92.5°  | 35.8   | 21.9   | 8.1    | 21.9   | 35.8   | 39.2   | 55.1   | 76.3   | 87.0   | 76.2   | 54.7   |
| 95°    | 70.1   | 44.8   | 19.5   | 44.8   | 70.1   | 76.4   | 135.7  | 214.7  | 254.2  | 226.8  | 172.1  |
| 97.5°  | 78.3   | 56.0   | 33.7   | 56.0   | 78.3   | 83.9   | 182.7  | 314.5  | 380.4  | 363.1  | 328.5  |
| 100°   | 85.2   | 64.9   | 44.7   | 64.9   | 85.2   | 90.2   | 199.9  | 346.1  | 419.2  | 420.5  | 423.1  |
| 102.5° | 91.8   | 73.0   | 54.0   | 73.0   | 91.8   | 96.5   | 207.8  | 356.0  | 430.2  | 452.3  | 496.4  |
| 105°   | 101.9  | 85.9   | 69.9   | 85.9   | 101.9  | 105.9  | 213.6  | 357.2  | 429.0  | 478.4  | 577.2  |
| 107.5° | 116.0  | 101.1  | 86.2   | 101.1  | 116.0  | 119.7  | 214.7  | 341.4  | 404.7  | 473.6  | 611.4  |
| 110°   | 124.0  | 110.5  | 97.1   | 110.5  | 124.0  | 127.4  | 213.1  | 327.3  | 384.3  | 461.3  | 615.5  |



TEST NUMBER: P934483

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 160°  | 170°  | 180°  | 190°  | 200°  | 202.5° | 210°  | 220°  | 225°  | 230°  | 240°  |
|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 112.5° | 133.5 | 120.7 | 107.9 | 120.7 | 133.5 | 136.8  | 213.1 | 314.9 | 365.8 | 444.7 | 602.3 |
| 115°   | 147.8 | 136.0 | 124.1 | 136.0 | 147.8 | 150.8  | 215.0 | 300.7 | 343.6 | 419.5 | 571.5 |
| 117.5° | 161.7 | 151.0 | 140.2 | 151.0 | 161.7 | 164.4  | 219.1 | 292.0 | 328.4 | 397.0 | 534.0 |
| 120°   | 169.8 | 159.7 | 149.6 | 159.7 | 169.8 | 172.4  | 222.3 | 289.0 | 322.3 | 384.9 | 510.3 |
| 122.5° | 179.2 | 169.0 | 158.7 | 169.0 | 179.2 | 181.7  | 227.0 | 287.4 | 317.6 | 374.0 | 486.9 |
| 125°   | 191.3 | 182.0 | 172.7 | 182.0 | 191.3 | 193.7  | 233.3 | 286.1 | 312.6 | 360.5 | 456.3 |
| 127.5° | 202.9 | 193.6 | 184.1 | 193.6 | 202.9 | 205.3  | 239.6 | 285.4 | 308.3 | 349.4 | 431.7 |
| 130°   | 210.4 | 200.4 | 190.2 | 200.4 | 210.4 | 213.0  | 244.2 | 285.8 | 306.6 | 343.3 | 416.6 |
| 132.5° | 216.7 | 206.7 | 196.5 | 206.7 | 216.7 | 219.3  | 248.0 | 286.1 | 305.3 | 338.0 | 403.6 |
| 135°   | 224.3 | 215.0 | 205.9 | 215.0 | 224.3 | 226.6  | 252.0 | 285.8 | 302.8 | 330.2 | 385.1 |
| 137.5° | 233.7 | 224.5 | 215.4 | 224.5 | 233.7 | 235.9  | 258.1 | 287.6 | 302.4 | 325.6 | 372.0 |
| 140°   | 240.2 | 231.7 | 223.3 | 231.7 | 240.2 | 242.3  | 261.8 | 287.9 | 300.9 | 321.0 | 361.2 |
| 142.5° | 244.9 | 237.2 | 229.4 | 237.2 | 244.9 | 246.9  | 264.9 | 288.9 | 300.9 | 318.6 | 353.8 |
| 145°   | 252.3 | 245.5 | 238.8 | 245.5 | 252.3 | 254.0  | 269.0 | 289.0 | 299.0 | 313.4 | 342.1 |
| 147.5° | 261.3 | 254.8 | 248.2 | 254.8 | 261.3 | 263.0  | 275.0 | 291.0 | 299.0 | 310.3 | 333.0 |
| 150°   | 266.1 | 260.1 | 254.2 | 260.1 | 266.1 | 267.6  | 278.1 | 292.0 | 299.0 | 308.5 | 327.6 |
| 152.5° | 269.6 | 265.0 | 260.5 | 265.0 | 269.6 | 270.7  | 280.1 | 292.6 | 299.0 | 307.1 | 323.5 |
| 155°   | 276.6 | 273.2 | 269.9 | 273.2 | 276.6 | 277.4  | 284.6 | 294.1 | 299.0 | 305.5 | 318.5 |
| 157.5° | 283.3 | 280.0 | 276.8 | 280.0 | 283.3 | 284.1  | 289.0 | 295.6 | 299.0 | 304.0 | 314.1 |
| 160°   | 286.5 | 284.0 | 281.5 | 284.0 | 286.5 | 287.1  | 291.1 | 296.3 | 299.0 | 303.3 | 312.0 |
| 162.5° | 289.9 | 288.0 | 286.1 | 288.0 | 289.9 | 290.4  | 293.2 | 297.1 | 299.0 | 302.6 | 309.9 |
| 165°   | 294.7 | 292.9 | 291.3 | 292.9 | 294.7 | 295.1  | 296.4 | 298.1 | 299.0 | 301.5 | 306.7 |
| 167.5° | 297.5 | 296.7 | 295.9 | 296.7 | 297.5 | 297.7  | 298.8 | 300.2 | 300.9 | 302.7 | 306.2 |
| 170°   | 300.5 | 299.7 | 299.0 | 299.7 | 300.5 | 300.7  | 300.8 | 300.9 | 300.9 | 302.7 | 306.2 |
| 172.5° | 300.9 | 300.7 | 300.5 | 300.7 | 300.9 | 300.9  | 300.9 | 300.9 | 300.9 | 302.3 | 305.0 |
| 175°   | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8  | 302.2 | 301.3 | 300.9 | 301.8 | 303.6 |
| 177.5° | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8  | 302.3 | 301.7 | 301.4 | 302.1 | 303.5 |
| 180°   | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8  | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 |



TEST NUMBER: P934483

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 |
| 2.5°   | 1328.8 | 1324.9 | 1330.1 | 1315.7 | 1330.1 | 1324.9 | 1328.8 | 1337.9 | 1330.1 | 1335.3 | 1340.6 |
| 5°     | 1165.9 | 1159.4 | 1138.6 | 1121.7 | 1138.6 | 1159.4 | 1165.9 | 1193.4 | 1206.4 | 1229.7 | 1261.1 |
| 7.5°   | 1042.2 | 1037.0 | 1031.8 | 1021.3 | 1031.8 | 1037.0 | 1042.2 | 1050.0 | 1063.0 | 1083.9 | 1107.4 |
| 10°    | 1014.8 | 1016.2 | 1024.0 | 1022.7 | 1024.0 | 1016.2 | 1014.8 | 1012.2 | 1008.3 | 1012.2 | 1026.5 |
| 12.5°  | 1085.2 | 1096.9 | 1139.9 | 1137.3 | 1139.9 | 1096.9 | 1085.2 | 1033.0 | 997.9  | 991.4  | 994.0  |
| 15°    | 1165.9 | 1169.9 | 1179.0 | 1180.2 | 1179.0 | 1169.9 | 1165.9 | 1145.1 | 1039.5 | 994.0  | 979.7  |
| 17.5°  | 1173.7 | 1175.1 | 1181.6 | 1181.6 | 1181.6 | 1175.1 | 1173.7 | 1164.7 | 1129.5 | 1068.2 | 987.5  |
| 20°    | 1167.2 | 1169.9 | 1182.9 | 1185.5 | 1182.9 | 1169.9 | 1167.2 | 1155.5 | 1136.0 | 1113.9 | 1052.7 |
| 22.5°  | 1164.7 | 1169.9 | 1180.2 | 1179.0 | 1180.2 | 1169.9 | 1164.7 | 1146.4 | 1129.5 | 1113.9 | 1089.1 |
| 25°    | 1151.6 | 1151.6 | 1152.9 | 1154.2 | 1152.9 | 1151.6 | 1151.6 | 1137.3 | 1103.4 | 1099.5 | 1085.2 |
| 27.5°  | 1124.2 | 1126.9 | 1134.7 | 1133.4 | 1134.7 | 1126.9 | 1124.2 | 1119.0 | 1082.5 | 1078.7 | 1068.2 |
| 30°    | 1099.5 | 1096.9 | 1090.4 | 1085.2 | 1090.4 | 1096.9 | 1099.5 | 1091.7 | 1055.2 | 1044.8 | 1047.4 |
| 32.5°  | 1057.8 | 1051.3 | 1044.8 | 1040.9 | 1044.8 | 1051.3 | 1057.8 | 1055.2 | 1027.9 | 1013.5 | 1016.2 |
| 35°    | 1008.3 | 1009.7 | 1008.3 | 1004.4 | 1008.3 | 1009.7 | 1008.3 | 1010.9 | 994.0  | 981.0  | 979.7  |
| 37.5°  | 973.2  | 975.7  | 974.5  | 969.2  | 974.5  | 975.7  | 973.2  | 970.5  | 947.1  | 943.2  | 945.8  |
| 40°    | 936.7  | 938.0  | 936.7  | 932.8  | 936.7  | 938.0  | 936.7  | 931.5  | 898.9  | 900.2  | 909.3  |
| 42.5°  | 901.5  | 900.2  | 896.3  | 893.7  | 896.3  | 900.2  | 901.5  | 893.7  | 852.0  | 848.1  | 865.0  |
| 45°    | 861.1  | 862.5  | 854.6  | 850.7  | 854.6  | 862.5  | 861.1  | 855.9  | 813.0  | 802.5  | 814.2  |
| 47.5°  | 820.7  | 820.7  | 814.2  | 810.3  | 814.2  | 820.7  | 820.7  | 814.2  | 768.6  | 758.2  | 764.7  |
| 50°    | 777.8  | 776.5  | 767.3  | 766.0  | 767.3  | 776.5  | 777.8  | 773.8  | 725.6  | 716.5  | 716.5  |
| 52.5°  | 728.3  | 728.3  | 729.5  | 732.1  | 729.5  | 728.3  | 728.3  | 729.5  | 686.6  | 677.4  | 674.8  |
| 55°    | 685.3  | 686.6  | 695.6  | 698.3  | 695.6  | 686.6  | 685.3  | 685.3  | 646.1  | 637.1  | 631.8  |
| 57.5°  | 640.9  | 640.9  | 647.5  | 647.5  | 647.5  | 640.9  | 640.9  | 638.3  | 600.6  | 592.8  | 590.1  |
| 60°    | 590.1  | 592.8  | 597.9  | 596.6  | 597.9  | 592.8  | 590.1  | 587.6  | 554.9  | 549.8  | 540.6  |
| 62.5°  | 536.7  | 539.3  | 540.6  | 538.1  | 540.6  | 539.3  | 536.7  | 528.9  | 509.4  | 505.4  | 493.7  |
| 65°    | 480.7  | 483.3  | 484.6  | 482.1  | 484.6  | 483.3  | 480.7  | 476.8  | 462.4  | 455.9  | 445.6  |
| 67.5°  | 423.4  | 422.1  | 420.8  | 426.0  | 420.8  | 422.1  | 423.4  | 418.2  | 409.1  | 403.9  | 389.5  |
| 70°    | 364.7  | 364.7  | 363.4  | 366.1  | 363.4  | 364.7  | 364.7  | 360.9  | 355.7  | 351.7  | 338.7  |
| 72.5°  | 302.2  | 300.9  | 306.2  | 302.2  | 306.2  | 300.9  | 302.2  | 300.9  | 298.4  | 294.4  | 281.4  |
| 75°    | 241.0  | 243.6  | 241.0  | 244.9  | 241.0  | 243.6  | 241.0  | 242.3  | 241.0  | 238.4  | 229.2  |
| 77.5°  | 183.7  | 186.3  | 183.7  | 183.7  | 183.7  | 186.3  | 183.7  | 185.0  | 185.0  | 185.0  | 177.2  |
| 80°    | 130.3  | 129.0  | 129.0  | 127.7  | 129.0  | 129.0  | 130.3  | 130.3  | 131.5  | 129.0  | 126.4  |
| 82.5°  | 83.4   | 82.0   | 82.0   | 84.7   | 82.0   | 82.0   | 83.4   | 84.7   | 82.0   | 82.0   | 82.0   |
| 85°    | 45.6   | 46.9   | 44.3   | 44.3   | 44.3   | 46.9   | 45.6   | 43.0   | 45.6   | 45.6   | 44.3   |
| 87.5°  | 17.0   | 15.7   | 15.7   | 15.7   | 15.7   | 15.7   | 17.0   | 18.2   | 18.2   | 18.2   | 19.5   |
| 90°    | 7.7    | 7.7    | 7.7    | 7.7    | 7.7    | 7.7    | 7.7    | 10.3   | 13.7   | 15.5   | 13.3   |
| 92.5°  | 38.7   | 37.1   | 31.0   | 24.7   | 31.0   | 37.1   | 38.7   | 54.7   | 76.2   | 87.0   | 76.3   |
| 95°    | 131.0  | 126.4  | 107.8  | 89.2   | 107.8  | 126.4  | 131.0  | 172.1  | 226.8  | 254.2  | 214.7  |
| 97.5°  | 302.6  | 293.7  | 258.3  | 222.9  | 258.3  | 293.7  | 302.6  | 328.5  | 363.1  | 380.4  | 314.5  |
| 100°   | 425.0  | 414.4  | 372.2  | 330.0  | 372.2  | 414.4  | 425.0  | 423.1  | 420.5  | 419.2  | 346.1  |
| 102.5° | 529.4  | 520.3  | 484.2  | 448.1  | 484.2  | 520.3  | 529.4  | 496.4  | 452.3  | 430.2  | 356.0  |
| 105°   | 651.4  | 646.5  | 627.1  | 607.7  | 627.1  | 646.5  | 651.4  | 577.2  | 478.4  | 429.0  | 357.2  |
| 107.5° | 714.8  | 715.9  | 720.6  | 725.3  | 720.6  | 715.9  | 714.8  | 611.4  | 473.6  | 404.7  | 341.4  |
| 110°   | 731.0  | 736.0  | 756.3  | 776.5  | 756.3  | 736.0  | 731.0  | 615.5  | 461.3  | 384.3  | 327.3  |



TEST NUMBER: P934483

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 260°  | 270°  | 280°  | 290°  | 292.5° | 300°  | 310°  | 315°  | 320°  |
|--------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| 112.5° | 720.7  | 728.5 | 759.5 | 790.6 | 759.5 | 728.5 | 720.7  | 602.3 | 444.7 | 365.8 | 314.9 |
| 115°   | 685.5  | 696.2 | 739.3 | 782.4 | 739.3 | 696.2 | 685.5  | 571.5 | 419.5 | 343.6 | 300.7 |
| 117.5° | 636.9  | 648.8 | 696.6 | 744.4 | 696.6 | 648.8 | 636.9  | 534.0 | 397.0 | 328.4 | 292.0 |
| 120°   | 604.2  | 615.9 | 662.2 | 708.6 | 662.2 | 615.9 | 604.2  | 510.3 | 384.9 | 322.3 | 289.0 |
| 122.5° | 571.5  | 582.9 | 628.8 | 674.5 | 628.8 | 582.9 | 571.5  | 486.9 | 374.0 | 317.6 | 287.4 |
| 125°   | 528.2  | 538.8 | 580.9 | 623.1 | 580.9 | 538.8 | 528.2  | 456.3 | 360.5 | 312.6 | 286.1 |
| 127.5° | 493.4  | 502.3 | 537.9 | 573.5 | 537.9 | 502.3 | 493.4  | 431.7 | 349.4 | 308.3 | 285.4 |
| 130°   | 471.5  | 479.7 | 512.6 | 545.5 | 512.6 | 479.7 | 471.5  | 416.6 | 343.3 | 306.6 | 285.8 |
| 132.5° | 452.8  | 460.2 | 489.5 | 519.0 | 489.5 | 460.2 | 452.8  | 403.6 | 338.0 | 305.3 | 286.1 |
| 135°   | 426.3  | 432.7 | 458.1 | 483.4 | 458.1 | 432.7 | 426.3  | 385.1 | 330.2 | 302.8 | 285.8 |
| 137.5° | 406.8  | 412.0 | 432.8 | 453.6 | 432.8 | 412.0 | 406.8  | 372.0 | 325.6 | 302.4 | 287.6 |
| 140°   | 391.2  | 396.1 | 415.5 | 434.9 | 415.5 | 396.1 | 391.2  | 361.2 | 321.0 | 300.9 | 287.9 |
| 142.5° | 380.2  | 384.3 | 401.1 | 417.9 | 401.1 | 384.3 | 380.2  | 353.8 | 318.6 | 300.9 | 288.9 |
| 145°   | 363.7  | 366.9 | 379.6 | 392.2 | 379.6 | 366.9 | 363.7  | 342.1 | 313.4 | 299.0 | 289.0 |
| 147.5° | 349.9  | 352.6 | 363.0 | 373.5 | 363.0 | 352.6 | 349.9  | 333.0 | 310.3 | 299.0 | 291.0 |
| 150°   | 342.0  | 344.2 | 352.7 | 361.2 | 352.7 | 344.2 | 342.0  | 327.6 | 308.5 | 299.0 | 292.0 |
| 152.5° | 335.7  | 337.3 | 343.7 | 350.1 | 343.7 | 337.3 | 335.7  | 323.5 | 307.1 | 299.0 | 292.6 |
| 155°   | 328.2  | 329.3 | 333.6 | 337.8 | 333.6 | 329.3 | 328.2  | 318.5 | 305.5 | 299.0 | 294.1 |
| 157.5° | 321.7  | 322.5 | 325.5 | 328.4 | 325.5 | 322.5 | 321.7  | 314.1 | 304.0 | 299.0 | 295.6 |
| 160°   | 318.5  | 318.9 | 320.6 | 322.3 | 320.6 | 318.9 | 318.5  | 312.0 | 303.3 | 299.0 | 296.3 |
| 162.5° | 315.4  | 315.8 | 317.5 | 319.1 | 317.5 | 315.8 | 315.4  | 309.9 | 302.6 | 299.0 | 297.1 |
| 165°   | 310.7  | 311.1 | 312.9 | 314.6 | 312.9 | 311.1 | 310.7  | 306.7 | 301.5 | 299.0 | 298.1 |
| 167.5° | 308.7  | 308.9 | 309.6 | 310.3 | 309.6 | 308.9 | 308.7  | 306.2 | 302.7 | 300.9 | 300.2 |
| 170°   | 308.7  | 308.7 | 308.7 | 308.7 | 308.7 | 308.7 | 308.7  | 306.2 | 302.7 | 300.9 | 300.9 |
| 172.5° | 307.0  | 306.8 | 306.3 | 305.7 | 306.3 | 306.8 | 307.0  | 305.0 | 302.3 | 300.9 | 300.9 |
| 175°   | 304.9  | 304.9 | 304.9 | 304.9 | 304.9 | 304.9 | 304.9  | 303.6 | 301.8 | 300.9 | 301.3 |
| 177.5° | 304.5  | 304.3 | 303.6 | 302.8 | 303.6 | 304.3 | 304.5  | 303.5 | 302.1 | 301.4 | 301.7 |
| 180°   | 302.8  | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8  | 302.8 | 302.8 | 302.8 | 302.8 |



TEST NUMBER: P934483

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 0°     | 1376.9 | 1376.9 | 1376.9 | 1376.9 | 1376.9 |
| 2.5°   | 1360.1 | 1366.6 | 1370.4 | 1375.7 | 1388.7 |
| 5°     | 1307.9 | 1332.7 | 1340.6 | 1360.1 | 1383.6 |
| 7.5°   | 1193.4 | 1268.9 | 1289.7 | 1336.6 | 1373.1 |
| 10°    | 1082.5 | 1158.2 | 1194.6 | 1305.4 | 1360.1 |
| 12.5°  | 1026.5 | 1070.9 | 1095.6 | 1250.6 | 1341.8 |
| 15°    | 991.4  | 1022.7 | 1040.9 | 1177.7 | 1320.9 |
| 17.5°  | 964.0  | 986.2  | 999.2  | 1106.0 | 1292.4 |
| 20°    | 947.1  | 957.5  | 969.2  | 1053.9 | 1259.7 |
| 22.5°  | 935.3  | 928.8  | 938.0  | 1017.5 | 1215.4 |
| 25°    | 927.5  | 902.8  | 913.2  | 988.8  | 1163.4 |
| 27.5°  | 934.0  | 879.3  | 883.3  | 962.7  | 1108.7 |
| 30°    | 935.3  | 850.7  | 852.0  | 935.3  | 1047.4 |
| 32.5°  | 926.2  | 820.7  | 822.0  | 901.5  | 978.3  |
| 35°    | 904.1  | 785.5  | 784.3  | 862.5  | 884.5  |
| 37.5°  | 874.1  | 747.8  | 747.8  | 819.5  | 781.6  |
| 40°    | 837.7  | 710.0  | 713.9  | 763.4  | 690.5  |
| 42.5°  | 793.3  | 669.6  | 674.8  | 689.1  | 622.8  |
| 45°    | 745.1  | 630.5  | 634.4  | 582.3  | 570.6  |
| 47.5°  | 691.8  | 590.1  | 591.4  | 483.3  | 553.6  |
| 50°    | 627.9  | 548.4  | 543.3  | 414.3  | 552.4  |
| 52.5°  | 571.9  | 502.9  | 487.2  | 375.2  | 501.6  |
| 55°    | 517.2  | 454.6  | 420.8  | 345.2  | 465.1  |
| 57.5°  | 468.9  | 392.1  | 359.6  | 310.1  | 457.3  |
| 60°    | 424.7  | 330.9  | 306.2  | 272.2  | 419.4  |
| 62.5°  | 388.2  | 285.3  | 280.1  | 246.2  | 380.4  |
| 65°    | 349.1  | 254.0  | 252.7  | 224.1  | 323.1  |
| 67.5°  | 311.4  | 233.2  | 231.9  | 203.2  | 246.2  |
| 70°    | 271.0  | 211.0  | 208.4  | 181.1  | 182.4  |
| 72.5°  | 229.2  | 186.3  | 183.7  | 162.9  | 151.2  |
| 75°    | 187.6  | 157.7  | 156.3  | 142.0  | 122.5  |
| 77.5°  | 147.2  | 125.0  | 127.7  | 114.7  | 89.9   |
| 80°    | 105.5  | 91.2   | 93.8   | 82.0   | 67.7   |
| 82.5°  | 70.3   | 59.9   | 62.5   | 52.1   | 45.6   |
| 85°    | 39.0   | 33.9   | 35.2   | 27.3   | 20.8   |
| 87.5°  | 18.2   | 15.7   | 15.7   | 10.5   | 6.5    |
| 90°    | 9.0    | 5.7    | 5.3    | 3.6    | 2.1    |
| 92.5°  | 55.1   | 39.2   | 35.8   | 21.9   | 8.1    |
| 95°    | 135.7  | 76.4   | 70.1   | 44.8   | 19.5   |
| 97.5°  | 182.7  | 83.9   | 78.3   | 56.0   | 33.7   |
| 100°   | 199.9  | 90.2   | 85.2   | 64.9   | 44.7   |
| 102.5° | 207.8  | 96.5   | 91.8   | 73.0   | 54.0   |
| 105°   | 213.6  | 105.9  | 101.9  | 85.9   | 69.9   |
| 107.5° | 214.7  | 119.7  | 116.0  | 101.1  | 86.2   |
| 110°   | 213.1  | 127.4  | 124.0  | 110.5  | 97.1   |



TEST NUMBER: P934483

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 337.5° | 340°  | 350°  | 360°  |
|--------|-------|--------|-------|-------|-------|
| 112.5° | 213.1 | 136.8  | 133.5 | 120.7 | 107.9 |
| 115°   | 215.0 | 150.8  | 147.8 | 136.0 | 124.1 |
| 117.5° | 219.1 | 164.4  | 161.7 | 151.0 | 140.2 |
| 120°   | 222.3 | 172.4  | 169.8 | 159.7 | 149.6 |
| 122.5° | 227.0 | 181.7  | 179.2 | 169.0 | 158.7 |
| 125°   | 233.3 | 193.7  | 191.3 | 182.0 | 172.7 |
| 127.5° | 239.6 | 205.3  | 202.9 | 193.6 | 184.1 |
| 130°   | 244.2 | 213.0  | 210.4 | 200.4 | 190.2 |
| 132.5° | 248.0 | 219.3  | 216.7 | 206.7 | 196.5 |
| 135°   | 252.0 | 226.6  | 224.3 | 215.0 | 205.9 |
| 137.5° | 258.1 | 235.9  | 233.7 | 224.5 | 215.4 |
| 140°   | 261.8 | 242.3  | 240.2 | 231.7 | 223.3 |
| 142.5° | 264.9 | 246.9  | 244.9 | 237.2 | 229.4 |
| 145°   | 269.0 | 254.0  | 252.3 | 245.5 | 238.8 |
| 147.5° | 275.0 | 263.0  | 261.3 | 254.8 | 248.2 |
| 150°   | 278.1 | 267.6  | 266.1 | 260.1 | 254.2 |
| 152.5° | 280.1 | 270.7  | 269.6 | 265.0 | 260.5 |
| 155°   | 284.6 | 277.4  | 276.6 | 273.2 | 269.9 |
| 157.5° | 289.0 | 284.1  | 283.3 | 280.0 | 276.8 |
| 160°   | 291.1 | 287.1  | 286.5 | 284.0 | 281.5 |
| 162.5° | 293.2 | 290.4  | 289.9 | 288.0 | 286.1 |
| 165°   | 296.4 | 295.1  | 294.7 | 292.9 | 291.3 |
| 167.5° | 298.8 | 297.7  | 297.5 | 296.7 | 295.9 |
| 170°   | 300.8 | 300.7  | 300.5 | 299.7 | 299.0 |
| 172.5° | 300.9 | 300.9  | 300.9 | 300.7 | 300.5 |
| 175°   | 302.2 | 302.8  | 302.8 | 302.8 | 302.8 |
| 177.5° | 302.3 | 302.8  | 302.8 | 302.8 | 302.8 |
| 180°   | 302.8 | 302.8  | 302.8 | 302.8 | 302.8 |



TEST NUMBER: P934483  
 CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-4-3000K

**CIE UGR TABLE:**

| Reflectances:   |      |                  |       |       |       |       |                |       |       |       |       |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling         |      | 0.7              | 0.7   | 0.5   | 0.5   | 0.3   | 0.7            | 0.7   | 0.5   | 0.5   | 0.3   |
| Wall            |      | 0.5              | 0.3   | 0.5   | 0.3   | 0.3   | 0.5            | 0.3   | 0.5   | 0.3   | 0.3   |
| Reference plane |      | 0.2              | 0.2   | 0.2   | 0.2   | 0.2   | 0.2            | 0.2   | 0.2   | 0.2   | 0.2   |
| Room dimensions |      | Viewed crosswise |       |       |       |       | Viewed endwise |       |       |       |       |
| X=2H            | Y=2H | 14.89            | 15.90 | 15.71 | 16.74 | 17.79 | 17.69          | 18.69 | 18.51 | 19.54 | 20.59 |
|                 | 3H   | 15.38            | 16.28 | 16.21 | 17.14 | 18.21 | 19.03          | 19.94 | 19.87 | 20.79 | 21.87 |
|                 | 4H   | 15.57            | 16.43 | 16.43 | 17.29 | 18.38 | 19.48          | 20.33 | 20.33 | 21.19 | 22.28 |
|                 | 6H   | 15.70            | 16.49 | 16.57 | 17.36 | 18.46 | 19.76          | 20.55 | 20.63 | 21.42 | 22.52 |
|                 | 8H   | 15.71            | 16.46 | 16.58 | 17.34 | 18.44 | 19.84          | 20.59 | 20.71 | 21.47 | 22.57 |
|                 | 12H  | 15.68            | 16.40 | 16.56 | 17.28 | 18.40 | 19.88          | 20.59 | 20.75 | 21.47 | 22.60 |
| 4H              | 2H   | 15.93            | 16.79 | 16.79 | 17.65 | 18.73 | 18.11          | 18.97 | 18.97 | 19.83 | 20.92 |
|                 | 3H   | 16.97            | 17.68 | 17.84 | 18.58 | 19.68 | 19.62          | 20.34 | 20.49 | 21.23 | 22.33 |
|                 | 4H   | 17.25            | 17.90 | 18.13 | 18.79 | 19.92 | 20.15          | 20.80 | 21.03 | 21.69 | 22.82 |
|                 | 6H   | 17.39            | 17.95 | 18.28 | 18.86 | 19.99 | 20.52          | 21.08 | 21.41 | 21.99 | 23.12 |
|                 | 8H   | 17.40            | 17.92 | 18.29 | 18.83 | 19.97 | 20.62          | 21.15 | 21.52 | 22.06 | 23.20 |
|                 | 12H  | 17.37            | 17.84 | 18.29 | 18.77 | 19.92 | 20.68          | 21.15 | 21.60 | 22.08 | 23.23 |
| 8H              | 4H   | 17.71            | 18.24 | 18.61 | 19.15 | 20.29 | 20.29          | 20.81 | 21.19 | 21.72 | 22.87 |
|                 | 6H   | 17.98            | 18.41 | 18.91 | 19.37 | 20.51 | 20.72          | 21.16 | 21.65 | 22.11 | 23.25 |
|                 | 8H   | 18.03            | 18.41 | 18.96 | 19.35 | 20.51 | 20.87          | 21.26 | 21.81 | 22.20 | 23.36 |
|                 | 12H  | 18.02            | 18.35 | 18.95 | 19.29 | 20.50 | 20.97          | 21.31 | 21.91 | 22.24 | 23.46 |
| 12H             | 4H   | 17.73            | 18.20 | 18.64 | 19.13 | 20.27 | 20.26          | 20.73 | 21.18 | 21.66 | 22.81 |
|                 | 6H   | 18.04            | 18.43 | 18.98 | 19.37 | 20.53 | 20.72          | 21.11 | 21.66 | 22.05 | 23.21 |
|                 | 8H   | 18.12            | 18.45 | 19.05 | 19.39 | 20.60 | 20.89          | 21.22 | 21.82 | 22.16 | 23.37 |