

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: P935614

Luminaire Tested: SQ4-FA-125U-100D-835-1D-UNV-STD-W-4

Issue Date: 12/17/2024

**Test Information**

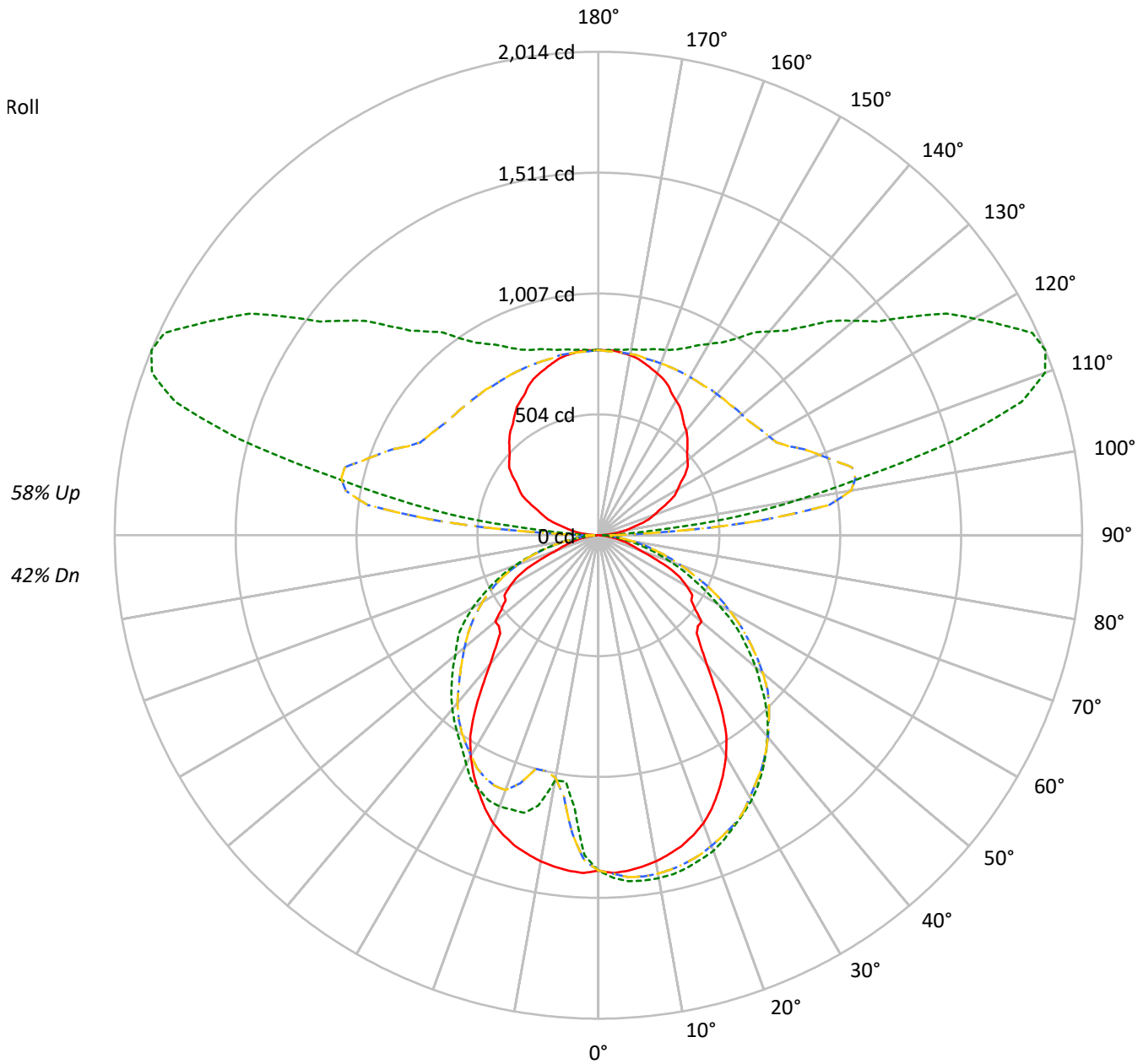
Test Method: LM-79-2019  
Report Number: P935614  
REPORT IS A COMBINATION OF REPORTS P933762 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-100D-835-1D-UNV-STD-W-4  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8625.0 lumens  
Efficiency: N/A  
Efficacy: 133.9 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: General Diffuse  
  
Input Watts (W): 64.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - · - · 90°-270°    - · - · 135°-315°



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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 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   | 105 | 105 | 105 | 105 | 96 | 96 | 96 | 96 | 79 | 79 | 79 | 63 | 63 | 63 | 49 | 49 | 49 | 49 | 49 | 49 | 42 |
| 1   | 96  | 92  | 88  | 85  | 88 | 84 | 81 | 78 | 69 | 67 | 65 | 56 | 54 | 53 | 43 | 42 | 41 | 41 | 41 | 41 | 35 |
| 2   | 87  | 80  | 74  | 69  | 80 | 73 | 68 | 64 | 61 | 57 | 54 | 49 | 46 | 44 | 38 | 36 | 35 | 35 | 35 | 35 | 30 |
| 3   | 80  | 70  | 63  | 57  | 72 | 65 | 58 | 53 | 53 | 49 | 45 | 43 | 40 | 37 | 34 | 31 | 30 | 30 | 30 | 30 | 25 |
| 4   | 73  | 62  | 54  | 49  | 66 | 57 | 50 | 45 | 47 | 42 | 38 | 38 | 35 | 32 | 30 | 28 | 25 | 25 | 25 | 25 | 22 |
| 5   | 67  | 55  | 47  | 41  | 61 | 51 | 44 | 39 | 42 | 37 | 33 | 34 | 31 | 27 | 27 | 24 | 22 | 22 | 22 | 22 | 19 |
| 6   | 62  | 50  | 42  | 36  | 56 | 46 | 39 | 33 | 38 | 33 | 29 | 31 | 27 | 24 | 24 | 22 | 19 | 19 | 19 | 19 | 16 |
| 7   | 57  | 45  | 37  | 31  | 52 | 41 | 34 | 29 | 34 | 29 | 25 | 28 | 24 | 21 | 22 | 19 | 17 | 17 | 17 | 17 | 15 |
| 8   | 53  | 40  | 33  | 28  | 48 | 37 | 31 | 26 | 31 | 26 | 22 | 26 | 22 | 19 | 20 | 18 | 15 | 15 | 15 | 15 | 13 |
| 9   | 49  | 37  | 30  | 25  | 45 | 34 | 27 | 23 | 29 | 24 | 20 | 24 | 20 | 17 | 19 | 16 | 14 | 14 | 14 | 14 | 12 |
| 10  | 46  | 34  | 27  | 22  | 42 | 31 | 25 | 21 | 26 | 21 | 18 | 22 | 18 | 15 | 17 | 15 | 13 | 13 | 13 | 13 | 11 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 12958 | 12958 | 12958 | 12958 |
| 5°  | 13042 | 13082 | 13042 | 10286 |
| 10° | 12940 | 12886 | 12940 | 9213  |
| 15° | 12784 | 12606 | 12784 | 10526 |
| 20° | 12502 | 12276 | 12502 | 10549 |
| 25° | 11941 | 11794 | 11941 | 10325 |
| 30° | 11220 | 11393 | 11220 | 9835  |
| 35° | 9987  | 10887 | 9987  | 9295  |
| 40° | 8309  | 10290 | 8309  | 8888  |
| 45° | 7409  | 9592  | 7409  | 8419  |
| 50° | 7853  | 8760  | 7853  | 7949  |
| 55° | 7368  | 7863  | 7368  | 7677  |
| 60° | 7567  | 6677  | 7567  | 7031  |
| 65° | 6829  | 5520  | 6829  | 6171  |
| 70° | 4697  | 4400  | 4697  | 5173  |
| 75° | 4073  | 3251  | 4073  | 3894  |
| 80° | 3215  | 2150  | 3215  | 2341  |
| 85° | 1747  | 1138  | 1747  | 967   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 11377 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 126.1  | 1.5       |
| 10°-20°   | 357.9  | 4.1       |
| 20°-30°   | 553.3  | 6.4       |
| 30°-40°   | 660.5  | 7.7       |
| 40°-50°   | 664.4  | 7.7       |
| 50°-60°   | 578.1  | 6.7       |
| 60°-70°   | 409.9  | 4.8       |
| 70°-80°   | 216.8  | 2.5       |
| 80°-90°   | 56.9   | 0.7       |
| 90°-100°  | 376.0  | 4.4       |
| 100°-110° | 988.7  | 11.5      |
| 110°-120° | 1025.1 | 11.9      |
| 120°-130° | 822.3  | 9.5       |
| 130°-140° | 645.2  | 7.5       |
| 140°-150° | 495.2  | 5.7       |
| 150°-160° | 356.6  | 4.1       |
| 160°-170° | 218.2  | 2.5       |
| 170°-180° | 73.7   | 0.9       |
| 0°-30°    | 1037.3 | 12.0      |
| 0°-40°    | 1697.8 | 19.7      |
| 0°-60°    | 2940.3 | 34.1      |
| 0°-90°    | 3623.9 | 42.0      |
| 90°-120°  | 2389.8 | 27.7      |
| 90°-150°  | 4352.5 | 50.5      |
| 90°-180°  | 5001.0 | 58.0      |
| 0°-180°   | 8625.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1396 | 1396 | 1396 | 1396 | 1396 |      |
| 5°   | 1403 | 1447 | 1403 | 1138 | 1403 | 133  |
| 15°  | 1340 | 1434 | 1340 | 1197 | 1340 | 377  |
| 25°  | 1180 | 1337 | 1180 | 1171 | 1180 | 542  |
| 35°  | 897  | 1193 | 897  | 1019 | 897  | 555  |
| 45°  | 579  | 983  | 579  | 863  | 579  | 464  |
| 55°  | 472  | 725  | 472  | 708  | 472  | 433  |
| 65°  | 328  | 437  | 328  | 489  | 328  | 313  |
| 75°  | 124  | 207  | 124  | 248  | 124  | 131  |
| 85°  | 21   | 53   | 21   | 45   | 21   | 29   |
| 90°  | 5    | 20   | 5    | 20   | 5    | 5    |
| 95°  | 50   | 227  | 50   | 227  | 50   | 55   |
| 105° | 178  | 1548 | 178  | 1548 | 178  | 189  |
| 115° | 316  | 1993 | 316  | 1993 | 316  | 312  |
| 125° | 440  | 1587 | 440  | 1587 | 440  | 391  |
| 135° | 524  | 1232 | 524  | 1232 | 524  | 406  |
| 145° | 608  | 999  | 608  | 999  | 608  | 381  |
| 155° | 688  | 860  | 688  | 860  | 688  | 316  |
| 165° | 742  | 802  | 742  | 802  | 742  | 209  |
| 175° | 772  | 777  | 772  | 777  | 772  | 73   |
| 180° | 772  | 772  | 772  | 772  | 772  |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 |
| 2.5°   | 1408.4 | 1408.4 | 1416.4 | 1419.0 | 1419.0 | 1415.0 | 1411.1 | 1415.0 | 1426.9 | 1430.9 | 1429.6 |
| 5°     | 1403.2 | 1413.7 | 1428.3 | 1430.9 | 1433.5 | 1432.2 | 1429.6 | 1432.2 | 1445.4 | 1448.1 | 1449.4 |
| 7.5°   | 1392.6 | 1412.4 | 1430.9 | 1434.9 | 1438.8 | 1434.9 | 1433.5 | 1436.2 | 1449.4 | 1452.0 | 1452.0 |
| 10°    | 1379.4 | 1407.1 | 1428.3 | 1430.9 | 1434.9 | 1430.9 | 1430.9 | 1436.2 | 1449.4 | 1452.0 | 1453.4 |
| 12.5°  | 1360.9 | 1399.2 | 1419.0 | 1421.7 | 1426.9 | 1425.6 | 1424.3 | 1429.6 | 1442.8 | 1445.4 | 1445.4 |
| 15°    | 1339.7 | 1384.7 | 1403.2 | 1405.8 | 1415.0 | 1412.4 | 1412.4 | 1417.7 | 1432.2 | 1436.2 | 1434.9 |
| 17.5°  | 1310.7 | 1366.2 | 1387.3 | 1391.3 | 1397.9 | 1396.5 | 1397.9 | 1403.2 | 1416.4 | 1419.0 | 1420.3 |
| 20°    | 1277.6 | 1341.1 | 1366.2 | 1370.1 | 1376.7 | 1376.7 | 1376.7 | 1383.3 | 1396.5 | 1401.8 | 1401.8 |
| 22.5°  | 1232.7 | 1314.6 | 1341.1 | 1343.7 | 1351.6 | 1351.6 | 1354.3 | 1363.5 | 1375.4 | 1376.7 | 1376.7 |
| 25°    | 1179.9 | 1285.6 | 1308.0 | 1316.0 | 1323.9 | 1327.8 | 1331.8 | 1337.1 | 1341.1 | 1339.7 | 1341.1 |
| 27.5°  | 1124.4 | 1248.6 | 1277.6 | 1282.9 | 1293.5 | 1297.5 | 1302.7 | 1304.1 | 1305.4 | 1309.3 | 1306.7 |
| 30°    | 1062.3 | 1197.0 | 1240.6 | 1245.9 | 1263.1 | 1265.7 | 1260.5 | 1263.1 | 1269.7 | 1272.4 | 1275.0 |
| 32.5°  | 992.2  | 1120.4 | 1202.3 | 1214.2 | 1230.1 | 1222.1 | 1220.8 | 1224.8 | 1235.4 | 1235.4 | 1238.0 |
| 35°    | 897.1  | 1061.0 | 1166.7 | 1177.2 | 1189.1 | 1179.9 | 1185.1 | 1186.5 | 1193.1 | 1197.0 | 1195.7 |
| 37.5°  | 792.7  | 1009.4 | 1129.7 | 1137.6 | 1146.8 | 1134.9 | 1142.9 | 1146.8 | 1152.1 | 1149.5 | 1149.5 |
| 40°    | 700.3  | 928.8  | 1086.1 | 1091.3 | 1099.3 | 1090.0 | 1097.9 | 1100.6 | 1103.2 | 1100.6 | 1099.3 |
| 42.5°  | 631.6  | 840.3  | 1039.8 | 1046.4 | 1041.1 | 1047.7 | 1050.4 | 1055.7 | 1051.7 | 1046.4 | 1046.4 |
| 45°    | 578.7  | 816.5  | 989.6  | 997.5  | 989.6  | 1000.2 | 1004.1 | 1004.1 | 992.2  | 989.6  | 988.3  |
| 47.5°  | 561.5  | 769.0  | 939.4  | 939.4  | 935.4  | 948.6  | 955.3  | 946.0  | 934.1  | 930.2  | 930.2  |
| 50°    | 560.2  | 716.1  | 870.7  | 865.4  | 883.9  | 899.8  | 893.2  | 883.9  | 874.7  | 860.1  | 860.1  |
| 52.5°  | 508.7  | 651.4  | 782.2  | 802.0  | 831.1  | 840.3  | 829.7  | 820.5  | 804.6  | 798.0  | 792.7  |
| 55°    | 471.7  | 584.0  | 701.6  | 741.2  | 771.6  | 783.5  | 763.7  | 754.4  | 730.6  | 726.7  | 724.0  |
| 57.5°  | 463.8  | 486.2  | 627.6  | 677.8  | 714.8  | 713.5  | 701.6  | 684.4  | 664.6  | 660.6  | 659.3  |
| 60°    | 425.4  | 351.4  | 548.3  | 607.8  | 646.1  | 642.1  | 631.6  | 615.7  | 597.2  | 594.6  | 591.9  |
| 62.5°  | 385.8  | 255.0  | 458.5  | 525.9  | 580.0  | 578.7  | 569.5  | 545.7  | 532.5  | 525.9  | 520.6  |
| 65°    | 327.7  | 214.0  | 326.3  | 437.3  | 515.3  | 517.9  | 498.1  | 480.9  | 466.4  | 458.5  | 457.1  |
| 67.5°  | 249.7  | 174.4  | 220.6  | 364.7  | 453.2  | 450.5  | 425.4  | 417.5  | 399.0  | 395.0  | 387.1  |
| 70°    | 185.0  | 116.3  | 153.3  | 296.0  | 392.4  | 385.8  | 366.0  | 356.7  | 339.6  | 330.3  | 325.0  |
| 72.5°  | 153.3  | 93.8   | 112.3  | 229.9  | 330.3  | 322.4  | 305.2  | 294.6  | 280.1  | 272.2  | 266.9  |
| 75°    | 124.2  | 99.1   | 85.9   | 170.4  | 268.2  | 262.9  | 247.1  | 236.5  | 224.6  | 214.0  | 215.4  |
| 77.5°  | 91.2   | 92.5   | 68.7   | 125.5  | 212.7  | 204.8  | 195.5  | 182.3  | 177.0  | 166.5  | 166.5  |
| 80°    | 68.7   | 72.7   | 51.5   | 85.9   | 153.3  | 153.3  | 145.3  | 136.1  | 126.8  | 121.6  | 121.6  |
| 82.5°  | 46.2   | 46.2   | 38.3   | 54.2   | 104.4  | 100.4  | 95.1   | 92.5   | 87.2   | 84.6   | 84.6   |
| 85°    | 21.1   | 26.4   | 23.8   | 33.0   | 56.8   | 59.5   | 59.5   | 56.8   | 55.5   | 52.8   | 54.2   |
| 87.5°  | 6.6    | 11.9   | 14.5   | 18.5   | 29.1   | 30.4   | 31.7   | 31.7   | 31.7   | 33.0   | 33.0   |
| 90°    | 5.2    | 9.3    | 13.5   | 14.5   | 22.8   | 33.8   | 39.3   | 34.9   | 26.2   | 19.7   | 19.7   |
| 92.5°  | 20.7   | 55.9   | 91.1   | 99.9   | 140.5  | 194.6  | 221.6  | 194.2  | 139.5  | 98.4   | 94.5   |
| 95°    | 49.7   | 114.1  | 178.6  | 194.7  | 345.7  | 547.0  | 647.7  | 578.0  | 438.6  | 334.0  | 322.1  |
| 97.5°  | 85.9   | 142.7  | 199.6  | 213.8  | 465.6  | 801.3  | 969.2  | 925.1  | 837.0  | 770.9  | 748.4  |
| 100°   | 113.9  | 165.5  | 217.0  | 229.9  | 509.3  | 881.8  | 1068.1 | 1071.3 | 1077.8 | 1082.6 | 1055.7 |
| 102.5° | 137.7  | 185.8  | 233.9  | 245.9  | 529.3  | 907.2  | 1096.1 | 1152.3 | 1264.6 | 1348.8 | 1325.8 |
| 105°   | 178.1  | 218.9  | 259.6  | 269.8  | 544.2  | 910.1  | 1093.0 | 1218.9 | 1470.6 | 1659.4 | 1647.0 |
| 107.5° | 219.5  | 257.5  | 295.5  | 305.0  | 547.0  | 869.6  | 1030.9 | 1206.5 | 1557.6 | 1820.9 | 1823.9 |
| 110°   | 247.5  | 281.8  | 316.0  | 324.6  | 542.8  | 833.7  | 979.1  | 1175.4 | 1568.0 | 1862.4 | 1875.3 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 112.5° | 274.9 | 307.6 | 340.2 | 348.4 | 542.9 | 802.3 | 932.0 | 1132.9 | 1534.7 | 1836.0 | 1855.8 |
| 115°   | 316.3 | 346.5 | 376.7 | 384.2 | 548.0 | 766.3 | 875.5 | 1069.0 | 1456.1 | 1746.4 | 1773.8 |
| 117.5° | 357.3 | 384.7 | 412.1 | 418.9 | 558.2 | 743.9 | 836.7 | 1011.3 | 1360.6 | 1622.6 | 1653.0 |
| 120°   | 381.1 | 406.9 | 432.7 | 439.1 | 566.5 | 736.3 | 821.2 | 980.8  | 1299.9 | 1539.3 | 1568.9 |
| 122.5° | 404.4 | 430.4 | 456.4 | 462.9 | 578.4 | 732.3 | 809.3 | 953.0  | 1240.4 | 1455.9 | 1485.1 |
| 125°   | 440.1 | 463.8 | 487.5 | 493.4 | 594.4 | 729.0 | 796.3 | 918.4  | 1162.5 | 1345.6 | 1372.5 |
| 127.5° | 469.1 | 493.0 | 516.9 | 522.9 | 610.4 | 727.1 | 785.4 | 890.2  | 1099.9 | 1257.1 | 1279.8 |
| 130°   | 484.6 | 510.4 | 536.2 | 542.6 | 622.2 | 728.3 | 781.3 | 874.6  | 1061.2 | 1201.2 | 1222.1 |
| 132.5° | 500.7 | 526.5 | 552.3 | 558.7 | 631.7 | 729.0 | 777.7 | 861.2  | 1028.3 | 1153.6 | 1172.3 |
| 135°   | 524.5 | 548.0 | 571.4 | 577.3 | 642.0 | 728.3 | 771.5 | 841.5  | 981.4  | 1086.3 | 1102.5 |
| 137.5° | 548.8 | 572.0 | 595.3 | 601.1 | 657.5 | 732.8 | 770.4 | 829.5  | 947.8  | 1036.5 | 1049.7 |
| 140°   | 569.0 | 590.4 | 611.8 | 617.2 | 667.1 | 733.6 | 766.8 | 817.9  | 920.1  | 996.7  | 1009.1 |
| 142.5° | 584.5 | 604.3 | 624.1 | 629.1 | 675.0 | 736.2 | 766.8 | 811.7  | 901.4  | 968.7  | 979.3  |
| 145°   | 608.4 | 625.6 | 642.9 | 647.2 | 685.3 | 736.2 | 761.6 | 798.3  | 871.7  | 926.8  | 934.9  |
| 147.5° | 632.2 | 649.0 | 665.8 | 670.0 | 700.5 | 741.2 | 761.6 | 790.5  | 848.3  | 891.6  | 898.3  |
| 150°   | 647.7 | 662.9 | 678.1 | 681.9 | 708.5 | 743.9 | 761.6 | 786.0  | 834.8  | 871.4  | 876.8  |
| 152.5° | 663.8 | 675.3 | 686.8 | 689.7 | 713.7 | 745.6 | 761.6 | 782.4  | 824.1  | 855.3  | 859.4  |
| 155°   | 687.6 | 696.1 | 704.6 | 706.7 | 725.0 | 749.4 | 761.6 | 778.2  | 811.3  | 836.2  | 838.9  |
| 157.5° | 705.2 | 713.5 | 721.7 | 723.8 | 736.4 | 753.2 | 761.6 | 774.5  | 800.3  | 819.6  | 821.5  |
| 160°   | 717.1 | 723.5 | 730.0 | 731.6 | 741.6 | 754.9 | 761.6 | 772.6  | 794.7  | 811.3  | 812.4  |
| 162.5° | 729.0 | 733.8 | 738.7 | 739.9 | 747.1 | 756.8 | 761.6 | 770.9  | 789.6  | 803.6  | 804.6  |
| 165°   | 741.9 | 746.3 | 750.7 | 751.8 | 755.1 | 759.4 | 761.6 | 768.3  | 781.6  | 791.6  | 792.7  |
| 167.5° | 753.9 | 755.9 | 758.0 | 758.5 | 761.3 | 765.0 | 766.8 | 771.2  | 779.9  | 786.5  | 787.0  |
| 170°   | 761.6 | 763.7 | 765.8 | 766.3 | 766.5 | 766.7 | 766.8 | 771.2  | 779.9  | 786.5  | 786.5  |
| 172.5° | 765.8 | 766.2 | 766.7 | 766.8 | 766.8 | 766.8 | 766.8 | 770.2  | 777.1  | 782.3  | 781.9  |
| 175°   | 771.5 | 771.5 | 771.5 | 771.5 | 769.9 | 767.8 | 766.8 | 769.0  | 773.3  | 776.6  | 776.6  |
| 177.5° | 771.5 | 771.5 | 771.5 | 771.5 | 770.3 | 768.6 | 767.8 | 769.5  | 773.0  | 775.6  | 775.1  |
| 180°   | 771.5 | 771.5 | 771.5 | 771.5 | 771.5 | 771.5 | 771.5 | 771.5  | 771.5  | 771.5  | 771.5  |



TEST NUMBER: P935614

CATALOG NUMBER: SQ4-FA-125U-100D-835-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 |
| 2.5°   | 1432.2 | 1428.3 | 1432.2 | 1429.6 | 1430.9 | 1426.9 | 1415.0 | 1411.1 | 1415.0 | 1419.0 | 1419.0 |
| 5°     | 1449.4 | 1446.8 | 1449.4 | 1449.4 | 1448.1 | 1445.4 | 1432.2 | 1429.6 | 1432.2 | 1433.5 | 1430.9 |
| 7.5°   | 1454.7 | 1450.7 | 1454.7 | 1452.0 | 1452.0 | 1449.4 | 1436.2 | 1433.5 | 1434.9 | 1438.8 | 1434.9 |
| 10°    | 1454.7 | 1450.7 | 1454.7 | 1453.4 | 1452.0 | 1449.4 | 1436.2 | 1430.9 | 1430.9 | 1434.9 | 1430.9 |
| 12.5°  | 1448.1 | 1445.4 | 1448.1 | 1445.4 | 1445.4 | 1442.8 | 1429.6 | 1424.3 | 1425.6 | 1426.9 | 1421.7 |
| 15°    | 1437.5 | 1433.5 | 1437.5 | 1434.9 | 1436.2 | 1432.2 | 1417.7 | 1412.4 | 1412.4 | 1415.0 | 1405.8 |
| 17.5°  | 1421.7 | 1416.4 | 1421.7 | 1420.3 | 1419.0 | 1416.4 | 1403.2 | 1397.9 | 1396.5 | 1397.9 | 1391.3 |
| 20°    | 1403.2 | 1399.2 | 1403.2 | 1401.8 | 1401.8 | 1396.5 | 1383.3 | 1376.7 | 1376.7 | 1376.7 | 1370.1 |
| 22.5°  | 1374.1 | 1370.1 | 1374.1 | 1376.7 | 1376.7 | 1375.4 | 1363.5 | 1354.3 | 1351.6 | 1351.6 | 1343.7 |
| 25°    | 1341.1 | 1337.1 | 1341.1 | 1341.1 | 1339.7 | 1341.1 | 1337.1 | 1331.8 | 1327.8 | 1323.9 | 1316.0 |
| 27.5°  | 1309.3 | 1306.7 | 1309.3 | 1306.7 | 1309.3 | 1305.4 | 1304.1 | 1302.7 | 1297.5 | 1293.5 | 1282.9 |
| 30°    | 1277.6 | 1275.0 | 1277.6 | 1275.0 | 1272.4 | 1269.7 | 1263.1 | 1260.5 | 1265.7 | 1263.1 | 1245.9 |
| 32.5°  | 1238.0 | 1235.4 | 1238.0 | 1238.0 | 1235.4 | 1235.4 | 1224.8 | 1220.8 | 1222.1 | 1230.1 | 1214.2 |
| 35°    | 1197.0 | 1193.1 | 1197.0 | 1195.7 | 1197.0 | 1193.1 | 1186.5 | 1185.1 | 1179.9 | 1189.1 | 1177.2 |
| 37.5°  | 1149.5 | 1145.5 | 1149.5 | 1149.5 | 1149.5 | 1152.1 | 1146.8 | 1142.9 | 1134.9 | 1146.8 | 1137.6 |
| 40°    | 1100.6 | 1095.3 | 1100.6 | 1099.3 | 1100.6 | 1103.2 | 1100.6 | 1097.9 | 1090.0 | 1099.3 | 1091.3 |
| 42.5°  | 1045.1 | 1043.8 | 1045.1 | 1046.4 | 1046.4 | 1051.7 | 1055.7 | 1050.4 | 1047.7 | 1041.1 | 1046.4 |
| 45°    | 985.6  | 983.0  | 985.6  | 988.3  | 989.6  | 992.2  | 1004.1 | 1004.1 | 1000.2 | 989.6  | 997.5  |
| 47.5°  | 922.2  | 915.6  | 922.2  | 930.2  | 930.2  | 934.1  | 946.0  | 955.3  | 948.6  | 935.4  | 939.4  |
| 50°    | 854.8  | 856.2  | 854.8  | 860.1  | 860.1  | 874.7  | 883.9  | 893.2  | 899.8  | 883.9  | 865.4  |
| 52.5°  | 788.8  | 787.5  | 788.8  | 792.7  | 798.0  | 804.6  | 820.5  | 829.7  | 840.3  | 831.1  | 802.0  |
| 55°    | 722.7  | 725.4  | 722.7  | 724.0  | 726.7  | 730.6  | 754.4  | 763.7  | 783.5  | 771.6  | 741.2  |
| 57.5°  | 656.7  | 652.7  | 656.7  | 659.3  | 660.6  | 664.6  | 684.4  | 701.6  | 713.5  | 714.8  | 677.8  |
| 60°    | 580.0  | 574.7  | 580.0  | 591.9  | 594.6  | 597.2  | 615.7  | 631.6  | 642.1  | 646.1  | 607.8  |
| 62.5°  | 512.6  | 503.4  | 512.6  | 520.6  | 525.9  | 532.5  | 545.7  | 569.5  | 578.7  | 580.0  | 525.9  |
| 65°    | 441.3  | 437.3  | 441.3  | 457.1  | 458.5  | 466.4  | 480.9  | 498.1  | 517.9  | 515.3  | 437.3  |
| 67.5°  | 376.6  | 376.6  | 376.6  | 387.1  | 395.0  | 399.0  | 417.5  | 425.4  | 450.5  | 453.2  | 364.7  |
| 70°    | 317.1  | 315.8  | 317.1  | 325.0  | 330.3  | 339.6  | 356.7  | 366.0  | 385.8  | 392.4  | 296.0  |
| 72.5°  | 260.3  | 259.0  | 260.3  | 266.9  | 272.2  | 280.1  | 294.6  | 305.2  | 322.4  | 330.3  | 229.9  |
| 75°    | 210.1  | 207.4  | 210.1  | 215.4  | 214.0  | 224.6  | 236.5  | 247.1  | 262.9  | 268.2  | 170.4  |
| 77.5°  | 161.2  | 161.2  | 161.2  | 166.5  | 166.5  | 177.0  | 182.3  | 195.5  | 204.8  | 212.7  | 125.5  |
| 80°    | 120.2  | 118.9  | 120.2  | 121.6  | 121.6  | 126.8  | 136.1  | 145.3  | 153.3  | 153.3  | 85.9   |
| 82.5°  | 84.6   | 81.9   | 84.6   | 84.6   | 84.6   | 87.2   | 92.5   | 95.1   | 100.4  | 104.4  | 54.2   |
| 85°    | 52.8   | 52.8   | 52.8   | 54.2   | 52.8   | 55.5   | 56.8   | 59.5   | 59.5   | 56.8   | 33.0   |
| 87.5°  | 34.4   | 33.0   | 34.4   | 33.0   | 33.0   | 31.7   | 31.7   | 31.7   | 30.4   | 29.1   | 18.5   |
| 90°    | 19.7   | 19.7   | 19.7   | 19.7   | 19.7   | 26.2   | 34.9   | 39.3   | 33.8   | 22.8   | 14.5   |
| 92.5°  | 78.8   | 63.2   | 78.8   | 94.5   | 98.4   | 139.5  | 194.2  | 221.6  | 194.6  | 140.5  | 99.9   |
| 95°    | 274.7  | 227.3  | 274.7  | 322.1  | 334.0  | 438.6  | 578.0  | 647.7  | 547.0  | 345.7  | 194.7  |
| 97.5°  | 658.2  | 568.0  | 658.2  | 748.4  | 770.9  | 837.0  | 925.1  | 969.2  | 801.3  | 465.6  | 213.8  |
| 100°   | 948.3  | 840.8  | 948.3  | 1055.7 | 1082.6 | 1077.8 | 1071.3 | 1068.1 | 881.8  | 509.3  | 229.9  |
| 102.5° | 1233.7 | 1141.7 | 1233.7 | 1325.8 | 1348.8 | 1264.6 | 1152.3 | 1096.1 | 907.2  | 529.3  | 245.9  |
| 105°   | 1597.6 | 1548.1 | 1597.6 | 1647.0 | 1659.4 | 1470.6 | 1218.9 | 1093.0 | 910.1  | 544.2  | 269.8  |
| 107.5° | 1835.9 | 1847.9 | 1835.9 | 1823.9 | 1820.9 | 1557.6 | 1206.5 | 1030.9 | 869.6  | 547.0  | 305.0  |
| 110°   | 1926.8 | 1978.3 | 1926.8 | 1875.3 | 1862.4 | 1568.0 | 1175.4 | 979.1  | 833.7  | 542.8  | 324.6  |





TEST NUMBER: P935614

CATALOG NUMBER: SQ4-FA-125U-100D-835-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°  | 140°  | 150°  | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--------|
| 112.5° | 1934.9 | 2014.1 | 1934.9 | 1855.8 | 1836.0 | 1534.7 | 1132.9 | 932.0 | 802.3 | 542.9 | 348.4  |
| 115°   | 1883.6 | 1993.4 | 1883.6 | 1773.8 | 1746.4 | 1456.1 | 1069.0 | 875.5 | 766.3 | 548.0 | 384.2  |
| 117.5° | 1774.8 | 1896.5 | 1774.8 | 1653.0 | 1622.6 | 1360.6 | 1011.3 | 836.7 | 743.9 | 558.2 | 418.9  |
| 120°   | 1687.1 | 1805.4 | 1687.1 | 1568.9 | 1539.3 | 1299.9 | 980.8  | 821.2 | 736.3 | 566.5 | 439.1  |
| 122.5° | 1601.7 | 1718.4 | 1601.7 | 1485.1 | 1455.9 | 1240.4 | 953.0  | 809.3 | 732.3 | 578.4 | 462.9  |
| 125°   | 1479.9 | 1587.4 | 1479.9 | 1372.5 | 1345.6 | 1162.5 | 918.4  | 796.3 | 729.0 | 594.4 | 493.4  |
| 127.5° | 1370.4 | 1461.1 | 1370.4 | 1279.8 | 1257.1 | 1099.9 | 890.2  | 785.4 | 727.1 | 610.4 | 522.9  |
| 130°   | 1305.9 | 1389.7 | 1305.9 | 1222.1 | 1201.2 | 1061.2 | 874.6  | 781.3 | 728.3 | 622.2 | 542.6  |
| 132.5° | 1247.3 | 1322.3 | 1247.3 | 1172.3 | 1153.6 | 1028.3 | 861.2  | 777.7 | 729.0 | 631.7 | 558.7  |
| 135°   | 1167.1 | 1231.7 | 1167.1 | 1102.5 | 1086.3 | 981.4  | 841.5  | 771.5 | 728.3 | 642.0 | 577.3  |
| 137.5° | 1102.7 | 1155.6 | 1102.7 | 1049.7 | 1036.5 | 947.8  | 829.5  | 770.4 | 732.8 | 657.5 | 601.1  |
| 140°   | 1058.5 | 1108.0 | 1058.5 | 1009.1 | 996.7  | 920.1  | 817.9  | 766.8 | 733.6 | 667.1 | 617.2  |
| 142.5° | 1021.9 | 1064.5 | 1021.9 | 979.3  | 968.7  | 901.4  | 811.7  | 766.8 | 736.2 | 675.0 | 629.1  |
| 145°   | 967.1  | 999.3  | 967.1  | 934.9  | 926.8  | 871.7  | 798.3  | 761.6 | 736.2 | 685.3 | 647.2  |
| 147.5° | 924.9  | 951.6  | 924.9  | 898.3  | 891.6  | 848.3  | 790.5  | 761.6 | 741.2 | 700.5 | 670.0  |
| 150°   | 898.5  | 920.1  | 898.5  | 876.8  | 871.4  | 834.8  | 786.0  | 761.6 | 743.9 | 708.5 | 681.9  |
| 152.5° | 875.7  | 892.1  | 875.7  | 859.4  | 855.3  | 824.1  | 782.4  | 761.6 | 745.6 | 713.7 | 689.7  |
| 155°   | 849.7  | 860.5  | 849.7  | 838.9  | 836.2  | 811.3  | 778.2  | 761.6 | 749.4 | 725.0 | 706.7  |
| 157.5° | 829.1  | 836.7  | 829.1  | 821.5  | 819.6  | 800.3  | 774.5  | 761.6 | 753.2 | 736.4 | 723.8  |
| 160°   | 816.8  | 821.2  | 816.8  | 812.4  | 811.3  | 794.7  | 772.6  | 761.6 | 754.9 | 741.6 | 731.6  |
| 162.5° | 808.8  | 812.9  | 808.8  | 804.6  | 803.6  | 789.6  | 770.9  | 761.6 | 756.8 | 747.1 | 739.9  |
| 165°   | 797.1  | 801.5  | 797.1  | 792.7  | 791.6  | 781.6  | 768.3  | 761.6 | 759.4 | 755.1 | 751.8  |
| 167.5° | 788.8  | 790.6  | 788.8  | 787.0  | 786.5  | 779.9  | 771.2  | 766.8 | 765.0 | 761.3 | 758.5  |
| 170°   | 786.5  | 786.5  | 786.5  | 786.5  | 786.5  | 779.9  | 771.2  | 766.8 | 766.7 | 766.5 | 766.3  |
| 172.5° | 780.3  | 778.7  | 780.3  | 781.9  | 782.3  | 777.1  | 770.2  | 766.8 | 766.8 | 766.8 | 766.8  |
| 175°   | 776.6  | 776.6  | 776.6  | 776.6  | 776.6  | 773.3  | 769.0  | 766.8 | 767.8 | 769.9 | 771.5  |
| 177.5° | 773.3  | 771.5  | 773.3  | 775.1  | 775.6  | 773.0  | 769.5  | 767.8 | 768.6 | 770.3 | 771.5  |
| 180°   | 771.5  | 771.5  | 771.5  | 771.5  | 771.5  | 771.5  | 771.5  | 771.5 | 771.5 | 771.5 | 771.5  |



TEST NUMBER: P935614

CATALOG NUMBER: SQ4-FA-125U-100D-835-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 |
| 2.5°   | 1416.4 | 1408.4 | 1408.4 | 1395.2 | 1389.9 | 1386.0 | 1379.4 | 1359.6 | 1354.3 | 1349.0 | 1356.9 |
| 5°     | 1428.3 | 1413.7 | 1403.2 | 1379.4 | 1359.6 | 1351.6 | 1326.5 | 1279.0 | 1247.2 | 1223.5 | 1210.3 |
| 7.5°   | 1430.9 | 1412.4 | 1392.6 | 1355.6 | 1308.0 | 1286.9 | 1210.3 | 1123.1 | 1099.3 | 1078.1 | 1064.9 |
| 10°    | 1428.3 | 1407.1 | 1379.4 | 1323.9 | 1211.6 | 1174.6 | 1097.9 | 1041.1 | 1026.6 | 1022.6 | 1026.6 |
| 12.5°  | 1419.0 | 1399.2 | 1360.9 | 1268.4 | 1111.2 | 1086.1 | 1041.1 | 1008.1 | 1005.5 | 1012.1 | 1047.7 |
| 15°    | 1403.2 | 1384.7 | 1339.7 | 1194.4 | 1055.7 | 1037.2 | 1005.5 | 993.6  | 1008.1 | 1054.3 | 1161.4 |
| 17.5°  | 1387.3 | 1366.2 | 1310.7 | 1121.7 | 1013.4 | 1000.2 | 977.7  | 1001.5 | 1083.4 | 1145.5 | 1181.2 |
| 20°    | 1366.2 | 1341.1 | 1277.6 | 1068.9 | 983.0  | 971.1  | 960.5  | 1067.6 | 1129.7 | 1152.1 | 1171.9 |
| 22.5°  | 1341.1 | 1314.6 | 1232.7 | 1031.9 | 951.3  | 942.0  | 948.6  | 1104.6 | 1129.7 | 1145.5 | 1162.7 |
| 25°    | 1308.0 | 1285.6 | 1179.9 | 1002.8 | 926.2  | 915.6  | 940.7  | 1100.6 | 1115.1 | 1119.1 | 1153.4 |
| 27.5°  | 1277.6 | 1248.6 | 1124.4 | 976.4  | 895.8  | 891.8  | 947.3  | 1083.4 | 1094.0 | 1097.9 | 1134.9 |
| 30°    | 1240.6 | 1197.0 | 1062.3 | 948.6  | 864.1  | 862.8  | 948.6  | 1062.3 | 1059.6 | 1070.2 | 1107.2 |
| 32.5°  | 1202.3 | 1120.4 | 992.2  | 914.3  | 833.7  | 832.4  | 939.4  | 1030.6 | 1027.9 | 1042.5 | 1070.2 |
| 35°    | 1166.7 | 1061.0 | 897.1  | 874.7  | 795.4  | 796.7  | 916.9  | 993.6  | 994.9  | 1008.1 | 1025.3 |
| 37.5°  | 1129.7 | 1009.4 | 792.7  | 831.1  | 758.4  | 758.4  | 886.5  | 959.2  | 956.6  | 960.5  | 984.3  |
| 40°    | 1086.1 | 928.8  | 700.3  | 774.2  | 724.0  | 720.1  | 849.6  | 922.2  | 913.0  | 911.7  | 944.7  |
| 42.5°  | 1039.8 | 840.3  | 631.6  | 698.9  | 684.4  | 679.1  | 804.6  | 877.3  | 860.1  | 864.1  | 906.4  |
| 45°    | 989.6  | 816.5  | 578.7  | 590.6  | 643.4  | 639.5  | 755.7  | 825.8  | 813.9  | 824.5  | 868.1  |
| 47.5°  | 939.4  | 769.0  | 561.5  | 490.2  | 599.8  | 598.5  | 701.6  | 775.6  | 769.0  | 779.5  | 825.8  |
| 50°    | 870.7  | 716.1  | 560.2  | 420.2  | 551.0  | 556.2  | 636.8  | 726.7  | 726.7  | 735.9  | 784.8  |
| 52.5°  | 782.2  | 651.4  | 508.7  | 380.5  | 494.1  | 510.0  | 580.0  | 684.4  | 687.0  | 696.3  | 739.9  |
| 55°    | 701.6  | 584.0  | 471.7  | 350.1  | 426.8  | 461.1  | 524.5  | 640.8  | 646.1  | 655.3  | 695.0  |
| 57.5°  | 627.6  | 486.2  | 463.8  | 314.5  | 364.7  | 397.7  | 475.6  | 598.5  | 601.2  | 609.1  | 647.4  |
| 60°    | 548.3  | 351.4  | 425.4  | 276.1  | 310.5  | 335.6  | 430.7  | 548.3  | 557.6  | 562.8  | 595.9  |
| 62.5°  | 458.5  | 255.0  | 385.8  | 249.7  | 284.1  | 289.4  | 393.7  | 500.7  | 512.6  | 516.6  | 536.4  |
| 65°    | 326.3  | 214.0  | 327.7  | 227.3  | 256.3  | 257.6  | 354.1  | 451.9  | 462.4  | 469.0  | 483.6  |
| 67.5°  | 220.6  | 174.4  | 249.7  | 206.1  | 235.2  | 236.5  | 315.8  | 395.0  | 409.6  | 414.9  | 424.1  |
| 70°    | 153.3  | 116.3  | 185.0  | 183.7  | 211.4  | 214.0  | 274.8  | 343.5  | 356.7  | 360.7  | 366.0  |
| 72.5°  | 112.3  | 93.8   | 153.3  | 165.2  | 186.3  | 188.9  | 232.5  | 285.4  | 298.6  | 302.6  | 305.2  |
| 75°    | 85.9   | 99.1   | 124.2  | 144.0  | 158.5  | 159.9  | 190.3  | 232.5  | 241.8  | 244.4  | 245.7  |
| 77.5°  | 68.7   | 92.5   | 91.2   | 116.3  | 129.5  | 126.8  | 149.3  | 179.7  | 187.6  | 187.6  | 187.6  |
| 80°    | 51.5   | 72.7   | 68.7   | 83.2   | 95.1   | 92.5   | 107.0  | 128.2  | 130.8  | 133.4  | 132.1  |
| 82.5°  | 38.3   | 46.2   | 46.2   | 52.8   | 63.4   | 60.8   | 71.3   | 83.2   | 83.2   | 83.2   | 85.9   |
| 85°    | 23.8   | 26.4   | 21.1   | 27.7   | 35.7   | 34.4   | 39.6   | 44.9   | 46.2   | 46.2   | 43.6   |
| 87.5°  | 14.5   | 11.9   | 6.6    | 10.6   | 15.9   | 15.9   | 18.5   | 19.8   | 18.5   | 18.5   | 18.5   |
| 90°    | 13.5   | 9.3    | 5.2    | 9.3    | 13.5   | 14.5   | 22.8   | 33.8   | 39.3   | 34.9   | 26.2   |
| 92.5°  | 91.1   | 55.9   | 20.7   | 55.9   | 91.1   | 99.9   | 140.5  | 194.6  | 221.6  | 194.2  | 139.5  |
| 95°    | 178.6  | 114.1  | 49.7   | 114.1  | 178.6  | 194.7  | 345.7  | 547.0  | 647.7  | 578.0  | 438.6  |
| 97.5°  | 199.6  | 142.7  | 85.9   | 142.7  | 199.6  | 213.8  | 465.6  | 801.3  | 969.2  | 925.1  | 837.0  |
| 100°   | 217.0  | 165.5  | 113.9  | 165.5  | 217.0  | 229.9  | 509.3  | 881.8  | 1068.1 | 1071.3 | 1077.8 |
| 102.5° | 233.9  | 185.8  | 137.7  | 185.8  | 233.9  | 245.9  | 529.3  | 907.2  | 1096.1 | 1152.3 | 1264.6 |
| 105°   | 259.6  | 218.9  | 178.1  | 218.9  | 259.6  | 269.8  | 544.2  | 910.1  | 1093.0 | 1218.9 | 1470.6 |
| 107.5° | 295.5  | 257.5  | 219.5  | 257.5  | 295.5  | 305.0  | 547.0  | 869.6  | 1030.9 | 1206.5 | 1557.6 |
| 110°   | 316.0  | 281.8  | 247.5  | 281.8  | 316.0  | 324.6  | 542.8  | 833.7  | 979.1  | 1175.4 | 1568.0 |



TEST NUMBER: P935614

CATALOG NUMBER: SQ4-FA-125U-100D-835-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

|        | 160°  | 170°  | 180°  | 190°  | 200°  | 202.5° | 210°  | 220°  | 225°  | 230°   | 240°   |
|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|--------|--------|
| 112.5° | 340.2 | 307.6 | 274.9 | 307.6 | 340.2 | 348.4  | 542.9 | 802.3 | 932.0 | 1132.9 | 1534.7 |
| 115°   | 376.7 | 346.5 | 316.3 | 346.5 | 376.7 | 384.2  | 548.0 | 766.3 | 875.5 | 1069.0 | 1456.1 |
| 117.5° | 412.1 | 384.7 | 357.3 | 384.7 | 412.1 | 418.9  | 558.2 | 743.9 | 836.7 | 1011.3 | 1360.6 |
| 120°   | 432.7 | 406.9 | 381.1 | 406.9 | 432.7 | 439.1  | 566.5 | 736.3 | 821.2 | 980.8  | 1299.9 |
| 122.5° | 456.4 | 430.4 | 404.4 | 430.4 | 456.4 | 462.9  | 578.4 | 732.3 | 809.3 | 953.0  | 1240.4 |
| 125°   | 487.5 | 463.8 | 440.1 | 463.8 | 487.5 | 493.4  | 594.4 | 729.0 | 796.3 | 918.4  | 1162.5 |
| 127.5° | 516.9 | 493.0 | 469.1 | 493.0 | 516.9 | 522.9  | 610.4 | 727.1 | 785.4 | 890.2  | 1099.9 |
| 130°   | 536.2 | 510.4 | 484.6 | 510.4 | 536.2 | 542.6  | 622.2 | 728.3 | 781.3 | 874.6  | 1061.2 |
| 132.5° | 552.3 | 526.5 | 500.7 | 526.5 | 552.3 | 558.7  | 631.7 | 729.0 | 777.7 | 861.2  | 1028.3 |
| 135°   | 571.4 | 548.0 | 524.5 | 548.0 | 571.4 | 577.3  | 642.0 | 728.3 | 771.5 | 841.5  | 981.4  |
| 137.5° | 595.3 | 572.0 | 548.8 | 572.0 | 595.3 | 601.1  | 657.5 | 732.8 | 770.4 | 829.5  | 947.8  |
| 140°   | 611.8 | 590.4 | 569.0 | 590.4 | 611.8 | 617.2  | 667.1 | 733.6 | 766.8 | 817.9  | 920.1  |
| 142.5° | 624.1 | 604.3 | 584.5 | 604.3 | 624.1 | 629.1  | 675.0 | 736.2 | 766.8 | 811.7  | 901.4  |
| 145°   | 642.9 | 625.6 | 608.4 | 625.6 | 642.9 | 647.2  | 685.3 | 736.2 | 761.6 | 798.3  | 871.7  |
| 147.5° | 665.8 | 649.0 | 632.2 | 649.0 | 665.8 | 670.0  | 700.5 | 741.2 | 761.6 | 790.5  | 848.3  |
| 150°   | 678.1 | 662.9 | 647.7 | 662.9 | 678.1 | 681.9  | 708.5 | 743.9 | 761.6 | 786.0  | 834.8  |
| 152.5° | 686.8 | 675.3 | 663.8 | 675.3 | 686.8 | 689.7  | 713.7 | 745.6 | 761.6 | 782.4  | 824.1  |
| 155°   | 704.6 | 696.1 | 687.6 | 696.1 | 704.6 | 706.7  | 725.0 | 749.4 | 761.6 | 778.2  | 811.3  |
| 157.5° | 721.7 | 713.5 | 705.2 | 713.5 | 721.7 | 723.8  | 736.4 | 753.2 | 761.6 | 774.5  | 800.3  |
| 160°   | 730.0 | 723.5 | 717.1 | 723.5 | 730.0 | 731.6  | 741.6 | 754.9 | 761.6 | 772.6  | 794.7  |
| 162.5° | 738.7 | 733.8 | 729.0 | 733.8 | 738.7 | 739.9  | 747.1 | 756.8 | 761.6 | 770.9  | 789.6  |
| 165°   | 750.7 | 746.3 | 741.9 | 746.3 | 750.7 | 751.8  | 755.1 | 759.4 | 761.6 | 768.3  | 781.6  |
| 167.5° | 758.0 | 755.9 | 753.9 | 755.9 | 758.0 | 758.5  | 761.3 | 765.0 | 766.8 | 771.2  | 779.9  |
| 170°   | 765.8 | 763.7 | 761.6 | 763.7 | 765.8 | 766.3  | 766.5 | 766.7 | 766.8 | 771.2  | 779.9  |
| 172.5° | 766.7 | 766.2 | 765.8 | 766.2 | 766.7 | 766.8  | 766.8 | 766.8 | 766.8 | 770.2  | 777.1  |
| 175°   | 771.5 | 771.5 | 771.5 | 771.5 | 771.5 | 771.5  | 769.9 | 767.8 | 766.8 | 769.0  | 773.3  |
| 177.5° | 771.5 | 771.5 | 771.5 | 771.5 | 771.5 | 771.5  | 770.3 | 768.6 | 767.8 | 769.5  | 773.0  |
| 180°   | 771.5 | 771.5 | 771.5 | 771.5 | 771.5 | 771.5  | 771.5 | 771.5 | 771.5 | 771.5  | 771.5  |



TEST NUMBER: P935614  
 CATALOG NUMBER: SQ4-FA-125U-100D-835-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 |
| 2.5°   | 1347.7 | 1343.7 | 1349.0 | 1334.4 | 1349.0 | 1343.7 | 1347.7 | 1356.9 | 1349.0 | 1354.3 | 1359.6 |
| 5°     | 1182.5 | 1175.9 | 1154.8 | 1137.6 | 1154.8 | 1175.9 | 1182.5 | 1210.3 | 1223.5 | 1247.2 | 1279.0 |
| 7.5°   | 1057.0 | 1051.7 | 1046.4 | 1035.8 | 1046.4 | 1051.7 | 1057.0 | 1064.9 | 1078.1 | 1099.3 | 1123.1 |
| 10°    | 1029.2 | 1030.6 | 1038.5 | 1037.2 | 1038.5 | 1030.6 | 1029.2 | 1026.6 | 1022.6 | 1026.6 | 1041.1 |
| 12.5°  | 1100.6 | 1112.5 | 1156.1 | 1153.4 | 1156.1 | 1112.5 | 1100.6 | 1047.7 | 1012.1 | 1005.5 | 1008.1 |
| 15°    | 1182.5 | 1186.5 | 1195.7 | 1197.0 | 1195.7 | 1186.5 | 1182.5 | 1161.4 | 1054.3 | 1008.1 | 993.6  |
| 17.5°  | 1190.4 | 1191.8 | 1198.4 | 1198.4 | 1198.4 | 1191.8 | 1190.4 | 1181.2 | 1145.5 | 1083.4 | 1001.5 |
| 20°    | 1183.8 | 1186.5 | 1199.7 | 1202.3 | 1199.7 | 1186.5 | 1183.8 | 1171.9 | 1152.1 | 1129.7 | 1067.6 |
| 22.5°  | 1181.2 | 1186.5 | 1197.0 | 1195.7 | 1197.0 | 1186.5 | 1181.2 | 1162.7 | 1145.5 | 1129.7 | 1104.6 |
| 25°    | 1168.0 | 1168.0 | 1169.3 | 1170.6 | 1169.3 | 1168.0 | 1168.0 | 1153.4 | 1119.1 | 1115.1 | 1100.6 |
| 27.5°  | 1140.2 | 1142.9 | 1150.8 | 1149.5 | 1150.8 | 1142.9 | 1140.2 | 1134.9 | 1097.9 | 1094.0 | 1083.4 |
| 30°    | 1115.1 | 1112.5 | 1105.9 | 1100.6 | 1105.9 | 1112.5 | 1115.1 | 1107.2 | 1070.2 | 1059.6 | 1062.3 |
| 32.5°  | 1072.8 | 1066.2 | 1059.6 | 1055.7 | 1059.6 | 1066.2 | 1072.8 | 1070.2 | 1042.5 | 1027.9 | 1030.6 |
| 35°    | 1022.6 | 1024.0 | 1022.6 | 1018.7 | 1022.6 | 1024.0 | 1022.6 | 1025.3 | 1008.1 | 994.9  | 993.6  |
| 37.5°  | 987.0  | 989.6  | 988.3  | 983.0  | 988.3  | 989.6  | 987.0  | 984.3  | 960.5  | 956.6  | 959.2  |
| 40°    | 950.0  | 951.3  | 950.0  | 946.0  | 950.0  | 951.3  | 950.0  | 944.7  | 911.7  | 913.0  | 922.2  |
| 42.5°  | 914.3  | 913.0  | 909.0  | 906.4  | 909.0  | 913.0  | 914.3  | 906.4  | 864.1  | 860.1  | 877.3  |
| 45°    | 873.3  | 874.7  | 866.7  | 862.8  | 866.7  | 874.7  | 873.3  | 868.1  | 824.5  | 813.9  | 825.8  |
| 47.5°  | 832.4  | 832.4  | 825.8  | 821.8  | 825.8  | 832.4  | 832.4  | 825.8  | 779.5  | 769.0  | 775.6  |
| 50°    | 788.8  | 787.5  | 778.2  | 776.9  | 778.2  | 787.5  | 788.8  | 784.8  | 735.9  | 726.7  | 726.7  |
| 52.5°  | 738.6  | 738.6  | 739.9  | 742.5  | 739.9  | 738.6  | 738.6  | 739.9  | 696.3  | 687.0  | 684.4  |
| 55°    | 695.0  | 696.3  | 705.5  | 708.2  | 705.5  | 696.3  | 695.0  | 695.0  | 655.3  | 646.1  | 640.8  |
| 57.5°  | 650.0  | 650.0  | 656.7  | 656.7  | 656.7  | 650.0  | 650.0  | 647.4  | 609.1  | 601.2  | 598.5  |
| 60°    | 598.5  | 601.2  | 606.4  | 605.1  | 606.4  | 601.2  | 598.5  | 595.9  | 562.8  | 557.6  | 548.3  |
| 62.5°  | 544.3  | 547.0  | 548.3  | 545.7  | 548.3  | 547.0  | 544.3  | 536.4  | 516.6  | 512.6  | 500.7  |
| 65°    | 487.5  | 490.2  | 491.5  | 488.9  | 491.5  | 490.2  | 487.5  | 483.6  | 469.0  | 462.4  | 451.9  |
| 67.5°  | 429.4  | 428.1  | 426.8  | 432.0  | 426.8  | 428.1  | 429.4  | 424.1  | 414.9  | 409.6  | 395.0  |
| 70°    | 369.9  | 369.9  | 368.6  | 371.3  | 368.6  | 369.9  | 369.9  | 366.0  | 360.7  | 356.7  | 343.5  |
| 72.5°  | 306.5  | 305.2  | 310.5  | 306.5  | 310.5  | 305.2  | 306.5  | 305.2  | 302.6  | 298.6  | 285.4  |
| 75°    | 244.4  | 247.1  | 244.4  | 248.4  | 244.4  | 247.1  | 244.4  | 245.7  | 244.4  | 241.8  | 232.5  |
| 77.5°  | 186.3  | 188.9  | 186.3  | 186.3  | 186.3  | 188.9  | 186.3  | 187.6  | 187.6  | 187.6  | 179.7  |
| 80°    | 132.1  | 130.8  | 130.8  | 129.5  | 130.8  | 130.8  | 132.1  | 132.1  | 133.4  | 130.8  | 128.2  |
| 82.5°  | 84.6   | 83.2   | 83.2   | 85.9   | 83.2   | 83.2   | 84.6   | 85.9   | 83.2   | 83.2   | 83.2   |
| 85°    | 46.2   | 47.6   | 44.9   | 44.9   | 44.9   | 47.6   | 46.2   | 43.6   | 46.2   | 46.2   | 44.9   |
| 87.5°  | 17.2   | 15.9   | 15.9   | 15.9   | 15.9   | 15.9   | 17.2   | 18.5   | 18.5   | 18.5   | 19.8   |
| 90°    | 19.7   | 19.7   | 19.7   | 19.7   | 19.7   | 19.7   | 19.7   | 26.2   | 34.9   | 39.3   | 33.8   |
| 92.5°  | 98.4   | 94.5   | 78.8   | 63.2   | 78.8   | 94.5   | 98.4   | 139.5  | 194.2  | 221.6  | 194.6  |
| 95°    | 334.0  | 322.1  | 274.7  | 227.3  | 274.7  | 322.1  | 334.0  | 438.6  | 578.0  | 647.7  | 547.0  |
| 97.5°  | 770.9  | 748.4  | 658.2  | 568.0  | 658.2  | 748.4  | 770.9  | 837.0  | 925.1  | 969.2  | 801.3  |
| 100°   | 1082.6 | 1055.7 | 948.3  | 840.8  | 948.3  | 1055.7 | 1082.6 | 1077.8 | 1071.3 | 1068.1 | 881.8  |
| 102.5° | 1348.8 | 1325.8 | 1233.7 | 1141.7 | 1233.7 | 1325.8 | 1348.8 | 1264.6 | 1152.3 | 1096.1 | 907.2  |
| 105°   | 1659.4 | 1647.0 | 1597.6 | 1548.1 | 1597.6 | 1647.0 | 1659.4 | 1470.6 | 1218.9 | 1093.0 | 910.1  |
| 107.5° | 1820.9 | 1823.9 | 1835.9 | 1847.9 | 1835.9 | 1823.9 | 1820.9 | 1557.6 | 1206.5 | 1030.9 | 869.6  |
| 110°   | 1862.4 | 1875.3 | 1926.8 | 1978.3 | 1926.8 | 1875.3 | 1862.4 | 1568.0 | 1175.4 | 979.1  | 833.7  |



TEST NUMBER: P935614

CATALOG NUMBER: SQ4-FA-125U-100D-835-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°  | 320°  |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 112.5° | 1836.0 | 1855.8 | 1934.9 | 2014.1 | 1934.9 | 1855.8 | 1836.0 | 1534.7 | 1132.9 | 932.0 | 802.3 |
| 115°   | 1746.4 | 1773.8 | 1883.6 | 1993.4 | 1883.6 | 1773.8 | 1746.4 | 1456.1 | 1069.0 | 875.5 | 766.3 |
| 117.5° | 1622.6 | 1653.0 | 1774.8 | 1896.5 | 1774.8 | 1653.0 | 1622.6 | 1360.6 | 1011.3 | 836.7 | 743.9 |
| 120°   | 1539.3 | 1568.9 | 1687.1 | 1805.4 | 1687.1 | 1568.9 | 1539.3 | 1299.9 | 980.8  | 821.2 | 736.3 |
| 122.5° | 1455.9 | 1485.1 | 1601.7 | 1718.4 | 1601.7 | 1485.1 | 1455.9 | 1240.4 | 953.0  | 809.3 | 732.3 |
| 125°   | 1345.6 | 1372.5 | 1479.9 | 1587.4 | 1479.9 | 1372.5 | 1345.6 | 1162.5 | 918.4  | 796.3 | 729.0 |
| 127.5° | 1257.1 | 1279.8 | 1370.4 | 1461.1 | 1370.4 | 1279.8 | 1257.1 | 1099.9 | 890.2  | 785.4 | 727.1 |
| 130°   | 1201.2 | 1222.1 | 1305.9 | 1389.7 | 1305.9 | 1222.1 | 1201.2 | 1061.2 | 874.6  | 781.3 | 728.3 |
| 132.5° | 1153.6 | 1172.3 | 1247.3 | 1322.3 | 1247.3 | 1172.3 | 1153.6 | 1028.3 | 861.2  | 777.7 | 729.0 |
| 135°   | 1086.3 | 1102.5 | 1167.1 | 1231.7 | 1167.1 | 1102.5 | 1086.3 | 981.4  | 841.5  | 771.5 | 728.3 |
| 137.5° | 1036.5 | 1049.7 | 1102.7 | 1155.6 | 1102.7 | 1049.7 | 1036.5 | 947.8  | 829.5  | 770.4 | 732.8 |
| 140°   | 996.7  | 1009.1 | 1058.5 | 1108.0 | 1058.5 | 1009.1 | 996.7  | 920.1  | 817.9  | 766.8 | 733.6 |
| 142.5° | 968.7  | 979.3  | 1021.9 | 1064.5 | 1021.9 | 979.3  | 968.7  | 901.4  | 811.7  | 766.8 | 736.2 |
| 145°   | 926.8  | 934.9  | 967.1  | 999.3  | 967.1  | 934.9  | 926.8  | 871.7  | 798.3  | 761.6 | 736.2 |
| 147.5° | 891.6  | 898.3  | 924.9  | 951.6  | 924.9  | 898.3  | 891.6  | 848.3  | 790.5  | 761.6 | 741.2 |
| 150°   | 871.4  | 876.8  | 898.5  | 920.1  | 898.5  | 876.8  | 871.4  | 834.8  | 786.0  | 761.6 | 743.9 |
| 152.5° | 855.3  | 859.4  | 875.7  | 892.1  | 875.7  | 859.4  | 855.3  | 824.1  | 782.4  | 761.6 | 745.6 |
| 155°   | 836.2  | 838.9  | 849.7  | 860.5  | 849.7  | 838.9  | 836.2  | 811.3  | 778.2  | 761.6 | 749.4 |
| 157.5° | 819.6  | 821.5  | 829.1  | 836.7  | 829.1  | 821.5  | 819.6  | 800.3  | 774.5  | 761.6 | 753.2 |
| 160°   | 811.3  | 812.4  | 816.8  | 821.2  | 816.8  | 812.4  | 811.3  | 794.7  | 772.6  | 761.6 | 754.9 |
| 162.5° | 803.6  | 804.6  | 808.8  | 812.9  | 808.8  | 804.6  | 803.6  | 789.6  | 770.9  | 761.6 | 756.8 |
| 165°   | 791.6  | 792.7  | 797.1  | 801.5  | 797.1  | 792.7  | 791.6  | 781.6  | 768.3  | 761.6 | 759.4 |
| 167.5° | 786.5  | 787.0  | 788.8  | 790.6  | 788.8  | 787.0  | 786.5  | 779.9  | 771.2  | 766.8 | 765.0 |
| 170°   | 786.5  | 786.5  | 786.5  | 786.5  | 786.5  | 786.5  | 786.5  | 779.9  | 771.2  | 766.8 | 766.7 |
| 172.5° | 782.3  | 781.9  | 780.3  | 778.7  | 780.3  | 781.9  | 782.3  | 777.1  | 770.2  | 766.8 | 766.8 |
| 175°   | 776.6  | 776.6  | 776.6  | 776.6  | 776.6  | 776.6  | 776.6  | 773.3  | 769.0  | 766.8 | 767.8 |
| 177.5° | 775.6  | 775.1  | 773.3  | 771.5  | 773.3  | 775.1  | 775.6  | 773.0  | 769.5  | 767.8 | 768.6 |
| 180°   | 771.5  | 771.5  | 771.5  | 771.5  | 771.5  | 771.5  | 771.5  | 771.5  | 771.5  | 771.5 | 771.5 |



TEST NUMBER: P935614

CATALOG NUMBER: SQ4-FA-125U-100D-835-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 0°     | 1396.5 | 1396.5 | 1396.5 | 1396.5 | 1396.5 |
| 2.5°   | 1379.4 | 1386.0 | 1389.9 | 1395.2 | 1408.4 |
| 5°     | 1326.5 | 1351.6 | 1359.6 | 1379.4 | 1403.2 |
| 7.5°   | 1210.3 | 1286.9 | 1308.0 | 1355.6 | 1392.6 |
| 10°    | 1097.9 | 1174.6 | 1211.6 | 1323.9 | 1379.4 |
| 12.5°  | 1041.1 | 1086.1 | 1111.2 | 1268.4 | 1360.9 |
| 15°    | 1005.5 | 1037.2 | 1055.7 | 1194.4 | 1339.7 |
| 17.5°  | 977.7  | 1000.2 | 1013.4 | 1121.7 | 1310.7 |
| 20°    | 960.5  | 971.1  | 983.0  | 1068.9 | 1277.6 |
| 22.5°  | 948.6  | 942.0  | 951.3  | 1031.9 | 1232.7 |
| 25°    | 940.7  | 915.6  | 926.2  | 1002.8 | 1179.9 |
| 27.5°  | 947.3  | 891.8  | 895.8  | 976.4  | 1124.4 |
| 30°    | 948.6  | 862.8  | 864.1  | 948.6  | 1062.3 |
| 32.5°  | 939.4  | 832.4  | 833.7  | 914.3  | 992.2  |
| 35°    | 916.9  | 796.7  | 795.4  | 874.7  | 897.1  |
| 37.5°  | 886.5  | 758.4  | 758.4  | 831.1  | 792.7  |
| 40°    | 849.6  | 720.1  | 724.0  | 774.2  | 700.3  |
| 42.5°  | 804.6  | 679.1  | 684.4  | 698.9  | 631.6  |
| 45°    | 755.7  | 639.5  | 643.4  | 590.6  | 578.7  |
| 47.5°  | 701.6  | 598.5  | 599.8  | 490.2  | 561.5  |
| 50°    | 636.8  | 556.2  | 551.0  | 420.2  | 560.2  |
| 52.5°  | 580.0  | 510.0  | 494.1  | 380.5  | 508.7  |
| 55°    | 524.5  | 461.1  | 426.8  | 350.1  | 471.7  |
| 57.5°  | 475.6  | 397.7  | 364.7  | 314.5  | 463.8  |
| 60°    | 430.7  | 335.6  | 310.5  | 276.1  | 425.4  |
| 62.5°  | 393.7  | 289.4  | 284.1  | 249.7  | 385.8  |
| 65°    | 354.1  | 257.6  | 256.3  | 227.3  | 327.7  |
| 67.5°  | 315.8  | 236.5  | 235.2  | 206.1  | 249.7  |
| 70°    | 274.8  | 214.0  | 211.4  | 183.7  | 185.0  |
| 72.5°  | 232.5  | 188.9  | 186.3  | 165.2  | 153.3  |
| 75°    | 190.3  | 159.9  | 158.5  | 144.0  | 124.2  |
| 77.5°  | 149.3  | 126.8  | 129.5  | 116.3  | 91.2   |
| 80°    | 107.0  | 92.5   | 95.1   | 83.2   | 68.7   |
| 82.5°  | 71.3   | 60.8   | 63.4   | 52.8   | 46.2   |
| 85°    | 39.6   | 34.4   | 35.7   | 27.7   | 21.1   |
| 87.5°  | 18.5   | 15.9   | 15.9   | 10.6   | 6.6    |
| 90°    | 22.8   | 14.5   | 13.5   | 9.3    | 5.2    |
| 92.5°  | 140.5  | 99.9   | 91.1   | 55.9   | 20.7   |
| 95°    | 345.7  | 194.7  | 178.6  | 114.1  | 49.7   |
| 97.5°  | 465.6  | 213.8  | 199.6  | 142.7  | 85.9   |
| 100°   | 509.3  | 229.9  | 217.0  | 165.5  | 113.9  |
| 102.5° | 529.3  | 245.9  | 233.9  | 185.8  | 137.7  |
| 105°   | 544.2  | 269.8  | 259.6  | 218.9  | 178.1  |
| 107.5° | 547.0  | 305.0  | 295.5  | 257.5  | 219.5  |
| 110°   | 542.8  | 324.6  | 316.0  | 281.8  | 247.5  |



TEST NUMBER: P935614

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**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 337.5° | 340°  | 350°  | 360°  |
|--------|-------|--------|-------|-------|-------|
| 112.5° | 542.9 | 348.4  | 340.2 | 307.6 | 274.9 |
| 115°   | 548.0 | 384.2  | 376.7 | 346.5 | 316.3 |
| 117.5° | 558.2 | 418.9  | 412.1 | 384.7 | 357.3 |
| 120°   | 566.5 | 439.1  | 432.7 | 406.9 | 381.1 |
| 122.5° | 578.4 | 462.9  | 456.4 | 430.4 | 404.4 |
| 125°   | 594.4 | 493.4  | 487.5 | 463.8 | 440.1 |
| 127.5° | 610.4 | 522.9  | 516.9 | 493.0 | 469.1 |
| 130°   | 622.2 | 542.6  | 536.2 | 510.4 | 484.6 |
| 132.5° | 631.7 | 558.7  | 552.3 | 526.5 | 500.7 |
| 135°   | 642.0 | 577.3  | 571.4 | 548.0 | 524.5 |
| 137.5° | 657.5 | 601.1  | 595.3 | 572.0 | 548.8 |
| 140°   | 667.1 | 617.2  | 611.8 | 590.4 | 569.0 |
| 142.5° | 675.0 | 629.1  | 624.1 | 604.3 | 584.5 |
| 145°   | 685.3 | 647.2  | 642.9 | 625.6 | 608.4 |
| 147.5° | 700.5 | 670.0  | 665.8 | 649.0 | 632.2 |
| 150°   | 708.5 | 681.9  | 678.1 | 662.9 | 647.7 |
| 152.5° | 713.7 | 689.7  | 686.8 | 675.3 | 663.8 |
| 155°   | 725.0 | 706.7  | 704.6 | 696.1 | 687.6 |
| 157.5° | 736.4 | 723.8  | 721.7 | 713.5 | 705.2 |
| 160°   | 741.6 | 731.6  | 730.0 | 723.5 | 717.1 |
| 162.5° | 747.1 | 739.9  | 738.7 | 733.8 | 729.0 |
| 165°   | 755.1 | 751.8  | 750.7 | 746.3 | 741.9 |
| 167.5° | 761.3 | 758.5  | 758.0 | 755.9 | 753.9 |
| 170°   | 766.5 | 766.3  | 765.8 | 763.7 | 761.6 |
| 172.5° | 766.8 | 766.8  | 766.7 | 766.2 | 765.8 |
| 175°   | 769.9 | 771.5  | 771.5 | 771.5 | 771.5 |
| 177.5° | 770.3 | 771.5  | 771.5 | 771.5 | 771.5 |
| 180°   | 771.5 | 771.5  | 771.5 | 771.5 | 771.5 |



TEST NUMBER: P935614  
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**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 | 12.91            | 13.70 | 13.93 | 14.73 | 16.11 | 15.71          | 16.50 | 16.73 | 17.53 | 18.91 |
|                 | 3H   | 13.38            | 14.09 | 14.41 | 15.13 | 16.53 | 17.04          | 17.75 | 18.07 | 18.79 | 20.19 |
|                 | 4H   | 13.57            | 14.24 | 14.61 | 15.28 | 16.69 | 17.47          | 18.14 | 18.52 | 19.19 | 20.59 |
|                 | 6H   | 13.68            | 14.30 | 14.74 | 15.35 | 16.77 | 17.74          | 18.36 | 18.80 | 19.41 | 20.83 |
|                 | 8H   | 13.68            | 14.27 | 14.74 | 15.34 | 16.75 | 17.81          | 18.40 | 18.87 | 19.47 | 20.88 |
|                 | 12H  | 13.65            | 14.21 | 14.72 | 15.27 | 16.71 | 17.84          | 18.41 | 18.91 | 19.46 | 20.90 |
| 4H              | 2H   | 13.93            | 14.60 | 14.98 | 15.64 | 17.05 | 16.11          | 16.78 | 17.16 | 17.82 | 19.23 |
|                 | 3H   | 14.94            | 15.51 | 16.00 | 16.58 | 18.00 | 17.60          | 18.16 | 18.66 | 19.23 | 20.65 |
|                 | 4H   | 15.22            | 15.73 | 16.28 | 16.79 | 18.24 | 18.12          | 18.63 | 19.18 | 19.69 | 21.14 |
|                 | 6H   | 15.34            | 15.78 | 16.42 | 16.87 | 18.30 | 18.47          | 18.91 | 19.55 | 20.00 | 21.43 |
|                 | 8H   | 15.34            | 15.76 | 16.42 | 16.83 | 18.29 | 18.57          | 18.98 | 19.65 | 20.06 | 21.51 |
|                 | 12H  | 15.31            | 15.68 | 16.40 | 16.77 | 18.23 | 18.62          | 18.99 | 19.71 | 20.08 | 21.54 |
| 8H              | 4H   | 15.66            | 16.07 | 16.74 | 17.15 | 18.60 | 18.24          | 18.65 | 19.31 | 19.73 | 21.18 |
|                 | 6H   | 15.92            | 16.26 | 17.02 | 17.38 | 18.83 | 18.66          | 19.00 | 19.76 | 20.12 | 21.57 |
|                 | 8H   | 15.96            | 16.26 | 17.07 | 17.36 | 18.83 | 18.81          | 19.11 | 19.91 | 20.21 | 21.68 |
|                 | 12H  | 15.94            | 16.21 | 17.05 | 17.30 | 18.81 | 18.90          | 19.16 | 20.01 | 20.26 | 21.77 |
| 12H             | 4H   | 15.66            | 16.04 | 16.76 | 17.13 | 18.59 | 18.20          | 18.57 | 19.29 | 19.66 | 21.12 |
|                 | 6H   | 15.98            | 16.28 | 17.08 | 17.38 | 18.85 | 18.66          | 18.96 | 19.76 | 20.06 | 21.53 |
|                 | 8H   | 16.04            | 16.31 | 17.15 | 17.40 | 18.91 | 18.81          | 19.07 | 19.92 | 20.17 | 21.68 |