

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: P936102

Luminaire Tested: SQ4-FA-150U-100D-B40-1D-UNV-STD-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936102
REPORT IS A COMBINATION OF REPORTS P933778 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-100D-B40-1D-UNV-STD-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

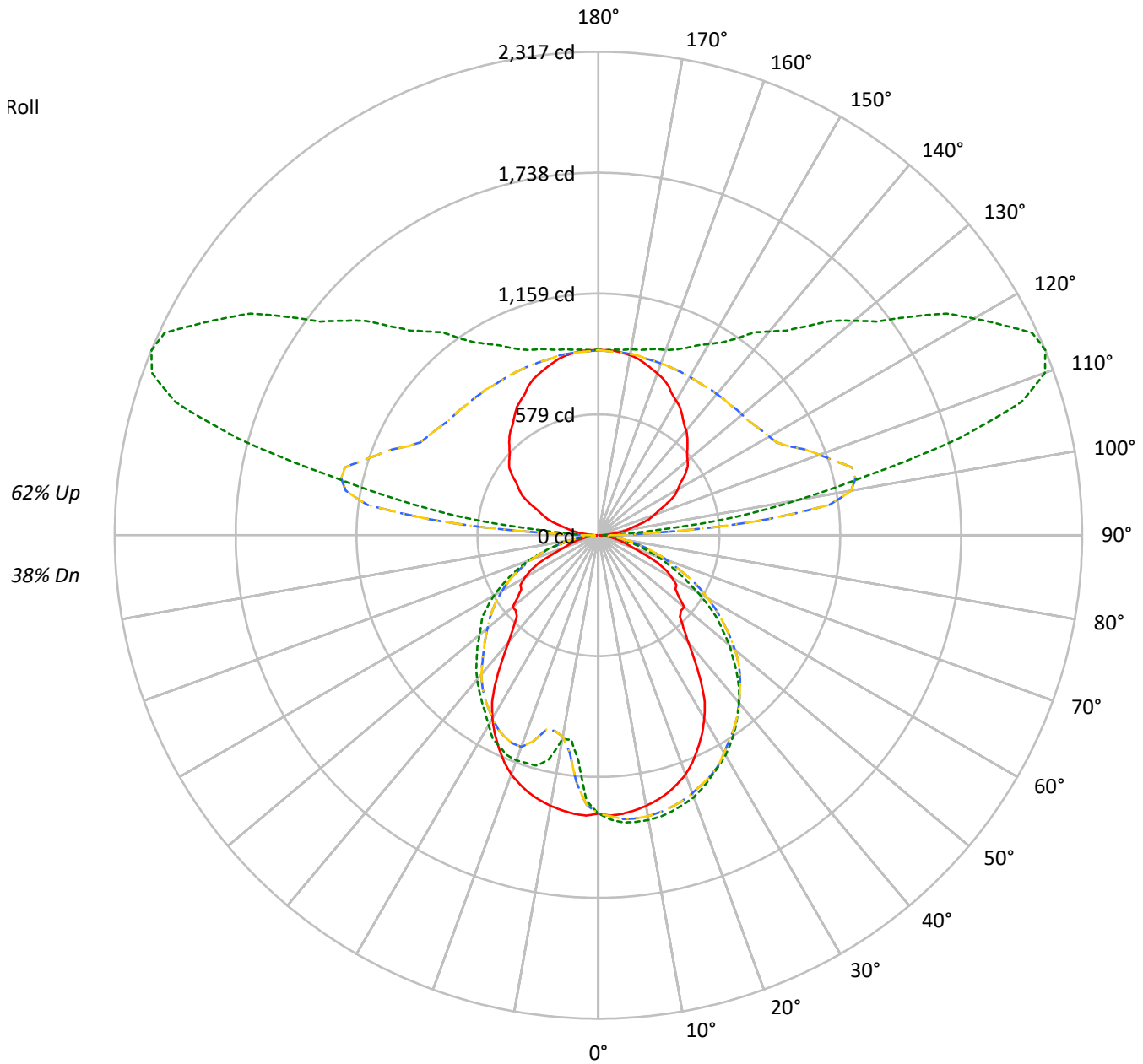
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9214.8 lumens
Efficiency: N/A
Efficacy: 127.3 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-Indirect

Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P936102
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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 | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 94 | 76 | 76 | 76 | 60 | 60 | 60 | 45 | 45 | 45 | 38 | | | | 38 |
| 1 | 95 | 91 | 87 | 84 | 86 | 83 | 79 | 76 | 67 | 65 | 63 | 53 | 51 | 50 | 40 | 39 | 38 | 32 | | | | 32 |
| 2 | 87 | 79 | 73 | 68 | 78 | 72 | 67 | 63 | 59 | 55 | 52 | 46 | 44 | 42 | 35 | 33 | 32 | 27 | | | | 27 |
| 3 | 79 | 70 | 62 | 57 | 71 | 63 | 57 | 52 | 52 | 47 | 44 | 41 | 38 | 35 | 31 | 29 | 27 | 23 | | | | 23 |
| 4 | 72 | 62 | 54 | 48 | 65 | 56 | 49 | 44 | 46 | 41 | 37 | 36 | 33 | 30 | 28 | 25 | 23 | 19 | | | | 19 |
| 5 | 66 | 55 | 47 | 41 | 60 | 50 | 43 | 38 | 41 | 36 | 32 | 33 | 29 | 26 | 25 | 22 | 20 | 17 | | | | 17 |
| 6 | 61 | 49 | 41 | 35 | 55 | 45 | 38 | 33 | 37 | 32 | 28 | 29 | 26 | 23 | 22 | 20 | 18 | 15 | | | | 15 |
| 7 | 56 | 44 | 36 | 31 | 51 | 40 | 34 | 29 | 33 | 28 | 24 | 27 | 23 | 20 | 20 | 18 | 16 | 13 | | | | 13 |
| 8 | 52 | 40 | 32 | 27 | 47 | 37 | 30 | 25 | 30 | 25 | 21 | 24 | 21 | 18 | 19 | 16 | 14 | 12 | | | | 12 |
| 9 | 48 | 36 | 29 | 24 | 44 | 33 | 27 | 22 | 28 | 23 | 19 | 22 | 19 | 16 | 17 | 15 | 13 | 10 | | | | 10 |
| 10 | 45 | 33 | 26 | 21 | 41 | 31 | 24 | 20 | 25 | 21 | 17 | 21 | 17 | 14 | 16 | 13 | 11 | 9 | | | | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 12376 | 12376 | 12376 | 12376 |
| 5° | 12455 | 12493 | 12455 | 9823 |
| 10° | 12358 | 12306 | 12358 | 8798 |
| 15° | 12209 | 12039 | 12209 | 10052 |
| 20° | 11940 | 11723 | 11940 | 10074 |
| 25° | 11404 | 11263 | 11404 | 9860 |
| 30° | 10715 | 10880 | 10715 | 9392 |
| 35° | 9538 | 10397 | 9538 | 8877 |
| 40° | 7935 | 9827 | 7935 | 8487 |
| 45° | 7076 | 9161 | 7076 | 8041 |
| 50° | 7500 | 8366 | 7500 | 7591 |
| 55° | 7037 | 7510 | 7037 | 7331 |
| 60° | 7227 | 6376 | 7227 | 6715 |
| 65° | 6523 | 5271 | 6523 | 5893 |
| 70° | 4486 | 4202 | 4486 | 4940 |
| 75° | 3889 | 3106 | 3889 | 3719 |
| 80° | 3070 | 2052 | 3070 | 2236 |
| 85° | 1673 | 1086 | 1673 | 924 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10866 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 120.4 | 1.3 |
| 10°-20° | 341.8 | 3.7 |
| 20°-30° | 528.4 | 5.7 |
| 30°-40° | 630.8 | 6.8 |
| 40°-50° | 634.5 | 6.9 |
| 50°-60° | 552.1 | 6.0 |
| 60°-70° | 391.4 | 4.2 |
| 70°-80° | 207.1 | 2.2 |
| 80°-90° | 55.0 | 0.6 |
| 90°-100° | 432.6 | 4.7 |
| 100°-110° | 1137.4 | 12.3 |
| 110°-120° | 1179.3 | 12.8 |
| 120°-130° | 946.0 | 10.3 |
| 130°-140° | 742.2 | 8.1 |
| 140°-150° | 569.7 | 6.2 |
| 150°-160° | 410.3 | 4.5 |
| 160°-170° | 251.0 | 2.7 |
| 170°-180° | 84.8 | 0.9 |
| 0°-30° | 990.6 | 10.8 |
| 0°-40° | 1621.4 | 17.6 |
| 0°-60° | 2808.0 | 30.5 |
| 0°-90° | 3461.4 | 37.6 |
| 90°-120° | 2749.3 | 29.8 |
| 90°-150° | 5007.2 | 54.3 |
| 90°-180° | 5753.0 | 62.4 |
| 0°-180° | 9214.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1334 | 1334 | 1334 | 1334 | 1334 | |
| 5° | 1340 | 1382 | 1340 | 1086 | 1340 | 127 |
| 15° | 1279 | 1369 | 1279 | 1143 | 1279 | 360 |
| 25° | 1127 | 1277 | 1127 | 1118 | 1127 | 517 |
| 35° | 857 | 1139 | 857 | 973 | 857 | 530 |
| 45° | 553 | 939 | 553 | 824 | 553 | 443 |
| 55° | 450 | 693 | 450 | 676 | 450 | 414 |
| 65° | 313 | 418 | 313 | 467 | 313 | 299 |
| 75° | 119 | 198 | 119 | 237 | 119 | 125 |
| 85° | 20 | 50 | 20 | 43 | 20 | 27 |
| 90° | 6 | 23 | 6 | 23 | 6 | 6 |
| 95° | 57 | 262 | 57 | 262 | 57 | 63 |
| 105° | 205 | 1781 | 205 | 1781 | 205 | 217 |
| 115° | 364 | 2293 | 364 | 2293 | 364 | 359 |
| 125° | 506 | 1826 | 506 | 1826 | 506 | 449 |
| 135° | 603 | 1417 | 603 | 1417 | 603 | 467 |
| 145° | 700 | 1150 | 700 | 1150 | 700 | 438 |
| 155° | 791 | 990 | 791 | 990 | 791 | 363 |
| 165° | 854 | 922 | 854 | 922 | 854 | 241 |
| 175° | 888 | 894 | 888 | 894 | 888 | 84 |
| 180° | 888 | 888 | 888 | 888 | 888 | |



TEST NUMBER: P936102
 CATALOG NUMBER: SQ4-FA-150U-100D-B40-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 |
| 2.5° | 1345.0 | 1345.0 | 1352.7 | 1355.1 | 1355.1 | 1351.3 | 1347.6 | 1351.3 | 1362.7 | 1366.5 | 1365.3 |
| 5° | 1340.1 | 1350.1 | 1364.0 | 1366.5 | 1369.0 | 1367.8 | 1365.3 | 1367.8 | 1380.4 | 1382.9 | 1384.2 |
| 7.5° | 1329.9 | 1348.8 | 1366.5 | 1370.3 | 1374.1 | 1370.3 | 1369.0 | 1371.6 | 1384.2 | 1386.7 | 1386.7 |
| 10° | 1317.3 | 1343.8 | 1364.0 | 1366.5 | 1370.3 | 1366.5 | 1366.5 | 1371.6 | 1384.2 | 1386.7 | 1388.0 |
| 12.5° | 1299.7 | 1336.2 | 1355.1 | 1357.7 | 1362.7 | 1361.4 | 1360.2 | 1365.3 | 1377.9 | 1380.4 | 1380.4 |
| 15° | 1279.4 | 1322.4 | 1340.1 | 1342.5 | 1351.3 | 1348.8 | 1348.8 | 1353.9 | 1367.8 | 1371.6 | 1370.3 |
| 17.5° | 1251.7 | 1304.7 | 1324.9 | 1328.7 | 1335.0 | 1333.7 | 1335.0 | 1340.1 | 1352.7 | 1355.1 | 1356.4 |
| 20° | 1220.1 | 1280.8 | 1304.7 | 1308.4 | 1314.7 | 1314.7 | 1314.7 | 1321.1 | 1333.7 | 1338.7 | 1338.7 |
| 22.5° | 1177.2 | 1255.4 | 1280.8 | 1283.2 | 1290.8 | 1290.8 | 1293.4 | 1302.1 | 1313.5 | 1314.7 | 1314.7 |
| 25° | 1126.8 | 1227.7 | 1249.1 | 1256.8 | 1264.3 | 1268.0 | 1271.9 | 1276.9 | 1280.8 | 1279.4 | 1280.8 |
| 27.5° | 1073.8 | 1192.4 | 1220.1 | 1225.2 | 1235.3 | 1239.1 | 1244.1 | 1245.4 | 1246.7 | 1250.4 | 1247.9 |
| 30° | 1014.5 | 1143.1 | 1184.8 | 1189.8 | 1206.3 | 1208.7 | 1203.8 | 1206.3 | 1212.6 | 1215.1 | 1217.6 |
| 32.5° | 947.6 | 1070.0 | 1148.2 | 1159.6 | 1174.7 | 1167.1 | 1165.9 | 1169.7 | 1179.8 | 1179.8 | 1182.3 |
| 35° | 856.7 | 1013.3 | 1114.2 | 1124.2 | 1135.6 | 1126.8 | 1131.8 | 1133.1 | 1139.4 | 1143.1 | 1141.9 |
| 37.5° | 757.0 | 964.0 | 1078.9 | 1086.4 | 1095.2 | 1083.8 | 1091.5 | 1095.2 | 1100.3 | 1097.8 | 1097.8 |
| 40° | 668.8 | 887.0 | 1037.2 | 1042.2 | 1049.8 | 1041.0 | 1048.5 | 1051.1 | 1053.6 | 1051.1 | 1049.8 |
| 42.5° | 603.2 | 802.5 | 993.0 | 999.3 | 994.3 | 1000.6 | 1003.1 | 1008.2 | 1004.4 | 999.3 | 999.3 |
| 45° | 552.7 | 779.8 | 945.1 | 952.6 | 945.1 | 955.2 | 958.9 | 958.9 | 947.6 | 945.1 | 943.8 |
| 47.5° | 536.2 | 734.4 | 897.1 | 897.1 | 893.3 | 905.9 | 912.3 | 903.4 | 892.1 | 888.3 | 888.3 |
| 50° | 535.0 | 683.9 | 831.5 | 826.5 | 844.1 | 859.3 | 853.0 | 844.1 | 835.3 | 821.4 | 821.4 |
| 52.5° | 485.8 | 622.1 | 747.0 | 765.9 | 793.7 | 802.5 | 792.4 | 783.6 | 768.4 | 762.1 | 757.0 |
| 55° | 450.5 | 557.7 | 670.0 | 707.8 | 736.9 | 748.2 | 729.3 | 720.5 | 697.7 | 694.0 | 691.4 |
| 57.5° | 442.9 | 464.3 | 599.4 | 647.3 | 682.6 | 681.4 | 670.0 | 653.6 | 634.7 | 630.9 | 629.6 |
| 60° | 406.3 | 335.6 | 523.6 | 580.4 | 617.0 | 613.2 | 603.2 | 588.0 | 570.3 | 567.8 | 565.3 |
| 62.5° | 368.4 | 243.5 | 437.9 | 502.2 | 553.9 | 552.7 | 543.9 | 521.1 | 508.5 | 502.2 | 497.2 |
| 65° | 313.0 | 204.4 | 311.6 | 417.6 | 492.1 | 494.6 | 475.7 | 459.3 | 445.4 | 437.9 | 436.5 |
| 67.5° | 238.5 | 166.6 | 210.7 | 348.3 | 432.8 | 430.2 | 406.3 | 398.7 | 381.0 | 377.2 | 369.7 |
| 70° | 176.7 | 111.1 | 146.4 | 282.7 | 374.7 | 368.4 | 349.5 | 340.6 | 324.3 | 315.4 | 310.4 |
| 72.5° | 146.4 | 89.6 | 107.2 | 219.6 | 315.4 | 307.9 | 291.5 | 281.3 | 267.5 | 260.0 | 254.9 |
| 75° | 118.6 | 94.6 | 82.0 | 162.7 | 256.1 | 251.1 | 236.0 | 225.9 | 214.5 | 204.4 | 205.7 |
| 77.5° | 87.1 | 88.3 | 65.6 | 119.9 | 203.1 | 195.6 | 186.7 | 174.1 | 169.0 | 159.0 | 159.0 |
| 80° | 65.6 | 69.4 | 49.2 | 82.0 | 146.4 | 146.4 | 138.8 | 130.0 | 121.1 | 116.1 | 116.1 |
| 82.5° | 44.1 | 44.1 | 36.6 | 51.8 | 99.7 | 95.9 | 90.8 | 88.3 | 83.3 | 80.8 | 80.8 |
| 85° | 20.2 | 25.2 | 22.7 | 31.5 | 54.2 | 56.8 | 56.8 | 54.2 | 53.0 | 50.4 | 51.8 |
| 87.5° | 6.3 | 11.4 | 13.8 | 17.7 | 27.8 | 29.0 | 30.3 | 30.3 | 30.3 | 31.5 | 31.5 |
| 90° | 5.9 | 10.7 | 15.5 | 16.7 | 26.3 | 39.0 | 45.3 | 40.2 | 30.2 | 22.6 | 22.6 |
| 92.5° | 23.8 | 64.3 | 104.9 | 115.0 | 161.6 | 223.8 | 254.9 | 223.4 | 160.4 | 113.2 | 108.7 |
| 95° | 57.2 | 131.3 | 205.4 | 223.9 | 397.7 | 629.3 | 745.2 | 665.0 | 504.5 | 384.2 | 370.5 |
| 97.5° | 98.8 | 164.3 | 229.7 | 246.0 | 535.7 | 922.0 | 1115.1 | 1064.3 | 962.9 | 886.9 | 860.9 |
| 100° | 131.0 | 190.3 | 249.6 | 264.4 | 585.9 | 1014.5 | 1228.8 | 1232.5 | 1240.0 | 1245.5 | 1214.6 |
| 102.5° | 158.4 | 213.8 | 269.1 | 283.0 | 609.0 | 1043.6 | 1261.0 | 1325.5 | 1454.8 | 1551.7 | 1525.2 |
| 105° | 204.9 | 251.8 | 298.6 | 310.4 | 626.0 | 1046.9 | 1257.4 | 1402.1 | 1691.8 | 1909.0 | 1894.8 |
| 107.5° | 252.6 | 296.2 | 340.0 | 350.9 | 629.2 | 1000.4 | 1185.9 | 1387.9 | 1791.9 | 2094.9 | 2098.3 |
| 110° | 284.7 | 324.1 | 363.7 | 373.5 | 624.5 | 959.0 | 1126.3 | 1352.2 | 1803.8 | 2142.5 | 2157.3 |



TEST NUMBER: P936102

CATALOG NUMBER: SQ4-FA-150U-100D-B40-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 112.5° | 316.3 | 353.9 | 391.6 | 400.9 | 624.7 | 923.0 | 1072.2 | 1303.3 | 1765.5 | 2112.2 | 2134.9 |
| 115° | 364.0 | 398.6 | 433.3 | 442.0 | 630.4 | 881.7 | 1007.2 | 1229.8 | 1675.2 | 2009.1 | 2040.7 |
| 117.5° | 411.0 | 442.5 | 474.1 | 481.9 | 642.1 | 855.8 | 962.5 | 1163.5 | 1565.3 | 1866.7 | 1901.8 |
| 120° | 438.3 | 468.0 | 497.7 | 505.1 | 651.6 | 847.0 | 944.7 | 1128.2 | 1495.4 | 1770.9 | 1804.9 |
| 122.5° | 465.2 | 495.1 | 525.1 | 532.5 | 665.3 | 842.5 | 931.0 | 1096.3 | 1427.0 | 1675.0 | 1708.5 |
| 125° | 506.3 | 533.6 | 560.9 | 567.7 | 683.8 | 838.7 | 916.1 | 1056.5 | 1337.4 | 1548.1 | 1579.0 |
| 127.5° | 539.7 | 567.2 | 594.7 | 601.6 | 702.2 | 836.5 | 903.6 | 1024.2 | 1265.4 | 1446.3 | 1472.3 |
| 130° | 557.5 | 587.1 | 616.7 | 624.2 | 715.8 | 837.8 | 898.8 | 1006.2 | 1220.9 | 1381.9 | 1406.0 |
| 132.5° | 576.0 | 605.7 | 635.3 | 642.7 | 726.7 | 838.7 | 894.6 | 990.7 | 1183.0 | 1327.1 | 1348.7 |
| 135° | 603.4 | 630.4 | 657.3 | 664.1 | 738.6 | 837.8 | 887.5 | 968.0 | 1128.9 | 1249.6 | 1268.2 |
| 137.5° | 631.4 | 658.1 | 684.8 | 691.5 | 756.5 | 843.1 | 886.3 | 954.3 | 1090.4 | 1192.5 | 1207.7 |
| 140° | 654.7 | 679.3 | 703.9 | 710.0 | 767.4 | 843.9 | 882.1 | 940.9 | 1058.4 | 1146.6 | 1160.8 |
| 142.5° | 672.5 | 695.2 | 718.0 | 723.7 | 776.5 | 846.9 | 882.1 | 933.8 | 1037.0 | 1114.5 | 1126.7 |
| 145° | 699.9 | 719.8 | 739.6 | 744.5 | 788.4 | 847.0 | 876.2 | 918.4 | 1002.8 | 1066.2 | 1075.4 |
| 147.5° | 727.2 | 746.6 | 765.9 | 770.8 | 805.9 | 852.8 | 876.2 | 909.4 | 975.8 | 1025.7 | 1033.3 |
| 150° | 745.2 | 762.7 | 780.0 | 784.4 | 815.0 | 855.8 | 876.2 | 904.3 | 960.3 | 1002.5 | 1008.7 |
| 152.5° | 763.6 | 776.9 | 790.1 | 793.4 | 821.0 | 857.8 | 876.2 | 900.2 | 948.1 | 984.0 | 988.7 |
| 155° | 791.0 | 800.9 | 810.6 | 813.1 | 834.1 | 862.2 | 876.2 | 895.3 | 933.4 | 962.0 | 965.1 |
| 157.5° | 811.3 | 820.8 | 830.3 | 832.7 | 847.2 | 866.6 | 876.2 | 891.0 | 920.6 | 942.9 | 945.1 |
| 160° | 824.9 | 832.4 | 839.8 | 841.6 | 853.2 | 868.6 | 876.2 | 888.9 | 914.3 | 933.3 | 934.6 |
| 162.5° | 838.7 | 844.2 | 849.8 | 851.2 | 859.5 | 870.7 | 876.2 | 886.9 | 908.4 | 924.4 | 925.6 |
| 165° | 853.6 | 858.5 | 863.6 | 864.8 | 868.7 | 873.7 | 876.2 | 883.9 | 899.2 | 910.7 | 911.9 |
| 167.5° | 867.2 | 869.6 | 872.0 | 872.6 | 875.7 | 880.0 | 882.1 | 887.2 | 897.2 | 904.8 | 905.3 |
| 170° | 876.2 | 878.6 | 881.0 | 881.6 | 881.8 | 882.0 | 882.1 | 887.2 | 897.2 | 904.8 | 904.8 |
| 172.5° | 881.0 | 881.5 | 882.0 | 882.1 | 882.1 | 882.1 | 882.1 | 886.1 | 894.1 | 900.0 | 899.5 |
| 175° | 887.5 | 887.5 | 887.5 | 887.5 | 885.7 | 883.3 | 882.1 | 884.6 | 889.7 | 893.5 | 893.5 |
| 177.5° | 887.5 | 887.5 | 887.5 | 887.5 | 886.1 | 884.3 | 883.4 | 885.4 | 889.3 | 892.3 | 891.7 |
| 180° | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 |



TEST NUMBER: P936102

CATALOG NUMBER: SQ4-FA-150U-100D-B40-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 |
| 2.5° | 1367.8 | 1364.0 | 1367.8 | 1365.3 | 1366.5 | 1362.7 | 1351.3 | 1347.6 | 1351.3 | 1355.1 | 1355.1 |
| 5° | 1384.2 | 1381.7 | 1384.2 | 1384.2 | 1382.9 | 1380.4 | 1367.8 | 1365.3 | 1367.8 | 1369.0 | 1366.5 |
| 7.5° | 1389.2 | 1385.4 | 1389.2 | 1386.7 | 1386.7 | 1384.2 | 1371.6 | 1369.0 | 1370.3 | 1374.1 | 1370.3 |
| 10° | 1389.2 | 1385.4 | 1389.2 | 1388.0 | 1386.7 | 1384.2 | 1371.6 | 1366.5 | 1366.5 | 1370.3 | 1366.5 |
| 12.5° | 1382.9 | 1380.4 | 1382.9 | 1380.4 | 1380.4 | 1377.9 | 1365.3 | 1360.2 | 1361.4 | 1362.7 | 1357.7 |
| 15° | 1372.8 | 1369.0 | 1372.8 | 1370.3 | 1371.6 | 1367.8 | 1353.9 | 1348.8 | 1348.8 | 1351.3 | 1342.5 |
| 17.5° | 1357.7 | 1352.7 | 1357.7 | 1356.4 | 1355.1 | 1352.7 | 1340.1 | 1335.0 | 1333.7 | 1335.0 | 1328.7 |
| 20° | 1340.1 | 1336.2 | 1340.1 | 1338.7 | 1338.7 | 1333.7 | 1321.1 | 1314.7 | 1314.7 | 1314.7 | 1308.4 |
| 22.5° | 1312.3 | 1308.4 | 1312.3 | 1314.7 | 1314.7 | 1313.5 | 1302.1 | 1293.4 | 1290.8 | 1290.8 | 1283.2 |
| 25° | 1280.8 | 1276.9 | 1280.8 | 1280.8 | 1279.4 | 1280.8 | 1276.9 | 1271.9 | 1268.0 | 1264.3 | 1256.8 |
| 27.5° | 1250.4 | 1247.9 | 1250.4 | 1247.9 | 1250.4 | 1246.7 | 1245.4 | 1244.1 | 1239.1 | 1235.3 | 1225.2 |
| 30° | 1220.1 | 1217.6 | 1220.1 | 1217.6 | 1215.1 | 1212.6 | 1206.3 | 1203.8 | 1208.7 | 1206.3 | 1189.8 |
| 32.5° | 1182.3 | 1179.8 | 1182.3 | 1182.3 | 1179.8 | 1179.8 | 1169.7 | 1165.9 | 1167.1 | 1174.7 | 1159.6 |
| 35° | 1143.1 | 1139.4 | 1143.1 | 1141.9 | 1143.1 | 1139.4 | 1133.1 | 1131.8 | 1126.8 | 1135.6 | 1124.2 |
| 37.5° | 1097.8 | 1094.0 | 1097.8 | 1097.8 | 1097.8 | 1100.3 | 1095.2 | 1091.5 | 1083.8 | 1095.2 | 1086.4 |
| 40° | 1051.1 | 1046.0 | 1051.1 | 1049.8 | 1051.1 | 1053.6 | 1051.1 | 1048.5 | 1041.0 | 1049.8 | 1042.2 |
| 42.5° | 998.1 | 996.8 | 998.1 | 999.3 | 999.3 | 1004.4 | 1008.2 | 1003.1 | 1000.6 | 994.3 | 999.3 |
| 45° | 941.2 | 938.8 | 941.2 | 943.8 | 945.1 | 947.6 | 958.9 | 958.9 | 955.2 | 945.1 | 952.6 |
| 47.5° | 880.7 | 874.4 | 880.7 | 888.3 | 888.3 | 892.1 | 903.4 | 912.3 | 905.9 | 893.3 | 897.1 |
| 50° | 816.3 | 817.7 | 816.3 | 821.4 | 821.4 | 835.3 | 844.1 | 853.0 | 859.3 | 844.1 | 826.5 |
| 52.5° | 753.3 | 752.1 | 753.3 | 757.0 | 762.1 | 768.4 | 783.6 | 792.4 | 802.5 | 793.7 | 765.9 |
| 55° | 690.2 | 692.8 | 690.2 | 691.4 | 694.0 | 697.7 | 720.5 | 729.3 | 748.2 | 736.9 | 707.8 |
| 57.5° | 627.1 | 623.3 | 627.1 | 629.6 | 630.9 | 634.7 | 653.6 | 670.0 | 681.4 | 682.6 | 647.3 |
| 60° | 553.9 | 548.8 | 553.9 | 565.3 | 567.8 | 570.3 | 588.0 | 603.2 | 613.2 | 617.0 | 580.4 |
| 62.5° | 489.5 | 480.7 | 489.5 | 497.2 | 502.2 | 508.5 | 521.1 | 543.9 | 552.7 | 553.9 | 502.2 |
| 65° | 421.4 | 417.6 | 421.4 | 436.5 | 437.9 | 445.4 | 459.3 | 475.7 | 494.6 | 492.1 | 417.6 |
| 67.5° | 359.7 | 359.7 | 359.7 | 369.7 | 377.2 | 381.0 | 398.7 | 406.3 | 430.2 | 432.8 | 348.3 |
| 70° | 302.8 | 301.6 | 302.8 | 310.4 | 315.4 | 324.3 | 340.6 | 349.5 | 368.4 | 374.7 | 282.7 |
| 72.5° | 248.6 | 247.3 | 248.6 | 254.9 | 260.0 | 267.5 | 281.3 | 291.5 | 307.9 | 315.4 | 219.6 |
| 75° | 200.6 | 198.1 | 200.6 | 205.7 | 204.4 | 214.5 | 225.9 | 236.0 | 251.1 | 256.1 | 162.7 |
| 77.5° | 153.9 | 153.9 | 153.9 | 159.0 | 159.0 | 169.0 | 174.1 | 186.7 | 195.6 | 203.1 | 119.9 |
| 80° | 114.8 | 113.5 | 114.8 | 116.1 | 116.1 | 121.1 | 130.0 | 138.8 | 146.4 | 146.4 | 82.0 |
| 82.5° | 80.8 | 78.2 | 80.8 | 80.8 | 80.8 | 83.3 | 88.3 | 90.8 | 95.9 | 99.7 | 51.8 |
| 85° | 50.4 | 50.4 | 50.4 | 51.8 | 50.4 | 53.0 | 54.2 | 56.8 | 56.8 | 54.2 | 31.5 |
| 87.5° | 32.9 | 31.5 | 32.9 | 31.5 | 31.5 | 30.3 | 30.3 | 30.3 | 29.0 | 27.8 | 17.7 |
| 90° | 22.6 | 22.6 | 22.6 | 22.6 | 22.6 | 30.2 | 40.2 | 45.3 | 39.0 | 26.3 | 16.7 |
| 92.5° | 90.6 | 72.7 | 90.6 | 108.7 | 113.2 | 160.4 | 223.4 | 254.9 | 223.8 | 161.6 | 115.0 |
| 95° | 316.0 | 261.5 | 316.0 | 370.5 | 384.2 | 504.5 | 665.0 | 745.2 | 629.3 | 397.7 | 223.9 |
| 97.5° | 757.2 | 653.4 | 757.2 | 860.9 | 886.9 | 962.9 | 1064.3 | 1115.1 | 922.0 | 535.7 | 246.0 |
| 100° | 1091.0 | 967.3 | 1091.0 | 1214.6 | 1245.5 | 1240.0 | 1232.5 | 1228.8 | 1014.5 | 585.9 | 264.4 |
| 102.5° | 1419.3 | 1313.4 | 1419.3 | 1525.2 | 1551.7 | 1454.8 | 1325.5 | 1261.0 | 1043.6 | 609.0 | 283.0 |
| 105° | 1837.9 | 1781.0 | 1837.9 | 1894.8 | 1909.0 | 1691.8 | 1402.1 | 1257.4 | 1046.9 | 626.0 | 310.4 |
| 107.5° | 2112.1 | 2125.8 | 2112.1 | 2098.3 | 2094.9 | 1791.9 | 1387.9 | 1185.9 | 1000.4 | 629.2 | 350.9 |
| 110° | 2216.7 | 2276.0 | 2216.7 | 2157.3 | 2142.5 | 1803.8 | 1352.2 | 1126.3 | 959.0 | 624.5 | 373.5 |



TEST NUMBER: P936102

CATALOG NUMBER: SQ4-FA-150U-100D-B40-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|
| 112.5° | 2226.0 | 2317.0 | 2226.0 | 2134.9 | 2112.2 | 1765.5 | 1303.3 | 1072.2 | 923.0 | 624.7 | 400.9 |
| 115° | 2167.0 | 2293.2 | 2167.0 | 2040.7 | 2009.1 | 1675.2 | 1229.8 | 1007.2 | 881.7 | 630.4 | 442.0 |
| 117.5° | 2041.8 | 2181.8 | 2041.8 | 1901.8 | 1866.7 | 1565.3 | 1163.5 | 962.5 | 855.8 | 642.1 | 481.9 |
| 120° | 1940.9 | 2077.0 | 1940.9 | 1804.9 | 1770.9 | 1495.4 | 1128.2 | 944.7 | 847.0 | 651.6 | 505.1 |
| 122.5° | 1842.8 | 1976.9 | 1842.8 | 1708.5 | 1675.0 | 1427.0 | 1096.3 | 931.0 | 842.5 | 665.3 | 532.5 |
| 125° | 1702.6 | 1826.2 | 1702.6 | 1579.0 | 1548.1 | 1337.4 | 1056.5 | 916.1 | 838.7 | 683.8 | 567.7 |
| 127.5° | 1576.6 | 1680.9 | 1576.6 | 1472.3 | 1446.3 | 1265.4 | 1024.2 | 903.6 | 836.5 | 702.2 | 601.6 |
| 130° | 1502.3 | 1598.7 | 1502.3 | 1406.0 | 1381.9 | 1220.9 | 1006.2 | 898.8 | 837.8 | 715.8 | 624.2 |
| 132.5° | 1434.9 | 1521.2 | 1434.9 | 1348.7 | 1327.1 | 1183.0 | 990.7 | 894.6 | 838.7 | 726.7 | 642.7 |
| 135° | 1342.6 | 1417.0 | 1342.6 | 1268.2 | 1249.6 | 1128.9 | 968.0 | 887.5 | 837.8 | 738.6 | 664.1 |
| 137.5° | 1268.6 | 1329.5 | 1268.6 | 1207.7 | 1192.5 | 1090.4 | 954.3 | 886.3 | 843.1 | 756.5 | 691.5 |
| 140° | 1217.7 | 1274.6 | 1217.7 | 1160.8 | 1146.6 | 1058.4 | 940.9 | 882.1 | 843.9 | 767.4 | 710.0 |
| 142.5° | 1175.7 | 1224.6 | 1175.7 | 1126.7 | 1114.5 | 1037.0 | 933.8 | 882.1 | 846.9 | 776.5 | 723.7 |
| 145° | 1112.6 | 1149.6 | 1112.6 | 1075.4 | 1066.2 | 1002.8 | 918.4 | 876.2 | 847.0 | 788.4 | 744.5 |
| 147.5° | 1064.1 | 1094.8 | 1064.1 | 1033.3 | 1025.7 | 975.8 | 909.4 | 876.2 | 852.8 | 805.9 | 770.8 |
| 150° | 1033.6 | 1058.4 | 1033.6 | 1008.7 | 1002.5 | 960.3 | 904.3 | 876.2 | 855.8 | 815.0 | 784.4 |
| 152.5° | 1007.5 | 1026.2 | 1007.5 | 988.7 | 984.0 | 948.1 | 900.2 | 876.2 | 857.8 | 821.0 | 793.4 |
| 155° | 977.5 | 990.0 | 977.5 | 965.1 | 962.0 | 933.4 | 895.3 | 876.2 | 862.2 | 834.1 | 813.1 |
| 157.5° | 953.8 | 962.5 | 953.8 | 945.1 | 942.9 | 920.6 | 891.0 | 876.2 | 866.6 | 847.2 | 832.7 |
| 160° | 939.6 | 944.7 | 939.6 | 934.6 | 933.3 | 914.3 | 888.9 | 876.2 | 868.6 | 853.2 | 841.6 |
| 162.5° | 930.4 | 935.1 | 930.4 | 925.6 | 924.4 | 908.4 | 886.9 | 876.2 | 870.7 | 859.5 | 851.2 |
| 165° | 917.0 | 922.1 | 917.0 | 911.9 | 910.7 | 899.2 | 883.9 | 876.2 | 873.7 | 868.7 | 864.8 |
| 167.5° | 907.4 | 909.5 | 907.4 | 905.3 | 904.8 | 897.2 | 887.2 | 882.1 | 880.0 | 875.7 | 872.6 |
| 170° | 904.8 | 904.8 | 904.8 | 904.8 | 904.8 | 897.2 | 887.2 | 882.1 | 882.0 | 881.8 | 881.6 |
| 172.5° | 897.7 | 895.9 | 897.7 | 899.5 | 900.0 | 894.1 | 886.1 | 882.1 | 882.1 | 882.1 | 882.1 |
| 175° | 893.5 | 893.5 | 893.5 | 893.5 | 893.5 | 889.7 | 884.6 | 882.1 | 883.3 | 885.7 | 887.5 |
| 177.5° | 889.6 | 887.5 | 889.6 | 891.7 | 892.3 | 889.3 | 885.4 | 883.4 | 884.3 | 886.1 | 887.5 |
| 180° | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 |



TEST NUMBER: P936102
 CATALOG NUMBER: SQ4-FA-150U-100D-B40-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 |
| 2.5° | 1352.7 | 1345.0 | 1345.0 | 1332.4 | 1327.4 | 1323.6 | 1317.3 | 1298.4 | 1293.4 | 1288.3 | 1295.8 |
| 5° | 1364.0 | 1350.1 | 1340.1 | 1317.3 | 1298.4 | 1290.8 | 1266.8 | 1221.4 | 1191.1 | 1168.4 | 1155.8 |
| 7.5° | 1366.5 | 1348.8 | 1329.9 | 1294.6 | 1249.1 | 1229.0 | 1155.8 | 1072.6 | 1049.8 | 1029.6 | 1017.0 |
| 10° | 1364.0 | 1343.8 | 1317.3 | 1264.3 | 1157.1 | 1121.7 | 1048.5 | 994.3 | 980.4 | 976.6 | 980.4 |
| 12.5° | 1355.1 | 1336.2 | 1299.7 | 1211.3 | 1061.2 | 1037.2 | 994.3 | 962.7 | 960.3 | 966.6 | 1000.6 |
| 15° | 1340.1 | 1322.4 | 1279.4 | 1140.7 | 1008.2 | 990.5 | 960.3 | 948.9 | 962.7 | 1006.9 | 1109.1 |
| 17.5° | 1324.9 | 1304.7 | 1251.7 | 1071.2 | 967.8 | 955.2 | 933.7 | 956.4 | 1034.6 | 1094.0 | 1128.0 |
| 20° | 1304.7 | 1280.8 | 1220.1 | 1020.8 | 938.8 | 927.4 | 917.3 | 1019.6 | 1078.9 | 1100.3 | 1119.2 |
| 22.5° | 1280.8 | 1255.4 | 1177.2 | 985.5 | 908.5 | 899.6 | 905.9 | 1054.9 | 1078.9 | 1094.0 | 1110.4 |
| 25° | 1249.1 | 1227.7 | 1126.8 | 957.7 | 884.5 | 874.4 | 898.4 | 1051.1 | 1064.9 | 1068.7 | 1101.5 |
| 27.5° | 1220.1 | 1192.4 | 1073.8 | 932.5 | 855.5 | 851.7 | 904.7 | 1034.6 | 1044.8 | 1048.5 | 1083.8 |
| 30° | 1184.8 | 1143.1 | 1014.5 | 905.9 | 825.2 | 824.0 | 905.9 | 1014.5 | 1011.9 | 1022.0 | 1057.4 |
| 32.5° | 1148.2 | 1070.0 | 947.6 | 873.2 | 796.2 | 794.9 | 897.1 | 984.2 | 981.6 | 995.6 | 1022.0 |
| 35° | 1114.2 | 1013.3 | 856.7 | 835.3 | 759.6 | 760.8 | 875.6 | 948.9 | 950.1 | 962.7 | 979.2 |
| 37.5° | 1078.9 | 964.0 | 757.0 | 793.7 | 724.3 | 724.3 | 846.6 | 916.0 | 913.6 | 917.3 | 940.0 |
| 40° | 1037.2 | 887.0 | 668.8 | 739.4 | 691.4 | 687.7 | 811.4 | 880.7 | 871.9 | 870.7 | 902.2 |
| 42.5° | 993.0 | 802.5 | 603.2 | 667.4 | 653.6 | 648.5 | 768.4 | 837.8 | 821.4 | 825.2 | 865.6 |
| 45° | 945.1 | 779.8 | 552.7 | 564.0 | 614.4 | 610.7 | 721.7 | 788.6 | 777.3 | 787.4 | 829.0 |
| 47.5° | 897.1 | 734.4 | 536.2 | 468.1 | 572.8 | 571.6 | 670.0 | 740.7 | 734.4 | 744.4 | 788.6 |
| 50° | 831.5 | 683.9 | 535.0 | 401.3 | 526.2 | 531.2 | 608.1 | 694.0 | 694.0 | 702.8 | 749.5 |
| 52.5° | 747.0 | 622.1 | 485.8 | 363.4 | 471.9 | 487.0 | 553.9 | 653.6 | 656.1 | 665.0 | 706.6 |
| 55° | 670.0 | 557.7 | 450.5 | 334.3 | 407.6 | 440.4 | 500.9 | 612.0 | 617.0 | 625.8 | 663.7 |
| 57.5° | 599.4 | 464.3 | 442.9 | 300.3 | 348.3 | 379.8 | 454.2 | 571.6 | 574.1 | 581.7 | 618.3 |
| 60° | 523.6 | 335.6 | 406.3 | 263.7 | 296.5 | 320.5 | 411.3 | 523.6 | 532.5 | 537.5 | 569.1 |
| 62.5° | 437.9 | 243.5 | 368.4 | 238.5 | 271.3 | 276.4 | 376.0 | 478.2 | 489.5 | 493.4 | 512.3 |
| 65° | 311.6 | 204.4 | 313.0 | 217.1 | 244.8 | 246.0 | 338.2 | 431.6 | 441.6 | 447.9 | 461.8 |
| 67.5° | 210.7 | 166.6 | 238.5 | 196.8 | 224.6 | 225.9 | 301.6 | 377.2 | 391.2 | 396.2 | 405.0 |
| 70° | 146.4 | 111.1 | 176.7 | 175.4 | 201.9 | 204.4 | 262.4 | 328.0 | 340.6 | 344.5 | 349.5 |
| 72.5° | 107.2 | 89.6 | 146.4 | 157.8 | 177.9 | 180.4 | 222.0 | 272.6 | 285.2 | 289.0 | 291.5 |
| 75° | 82.0 | 94.6 | 118.6 | 137.5 | 151.4 | 152.7 | 181.7 | 222.0 | 230.9 | 233.4 | 234.6 |
| 77.5° | 65.6 | 88.3 | 87.1 | 111.1 | 123.7 | 121.1 | 142.6 | 171.6 | 179.2 | 179.2 | 179.2 |
| 80° | 49.2 | 69.4 | 65.6 | 79.5 | 90.8 | 88.3 | 102.2 | 122.4 | 124.9 | 127.4 | 126.2 |
| 82.5° | 36.6 | 44.1 | 44.1 | 50.4 | 60.5 | 58.1 | 68.1 | 79.5 | 79.5 | 79.5 | 82.0 |
| 85° | 22.7 | 25.2 | 20.2 | 26.5 | 34.1 | 32.9 | 37.8 | 42.9 | 44.1 | 44.1 | 41.6 |
| 87.5° | 13.8 | 11.4 | 6.3 | 10.1 | 15.2 | 15.2 | 17.7 | 18.9 | 17.7 | 17.7 | 17.7 |
| 90° | 15.5 | 10.7 | 5.9 | 10.7 | 15.5 | 16.7 | 26.3 | 39.0 | 45.3 | 40.2 | 30.2 |
| 92.5° | 104.9 | 64.3 | 23.8 | 64.3 | 104.9 | 115.0 | 161.6 | 223.8 | 254.9 | 223.4 | 160.4 |
| 95° | 205.4 | 131.3 | 57.2 | 131.3 | 205.4 | 223.9 | 397.7 | 629.3 | 745.2 | 665.0 | 504.5 |
| 97.5° | 229.7 | 164.3 | 98.8 | 164.3 | 229.7 | 246.0 | 535.7 | 922.0 | 1115.1 | 1064.3 | 962.9 |
| 100° | 249.6 | 190.3 | 131.0 | 190.3 | 249.6 | 264.4 | 585.9 | 1014.5 | 1228.8 | 1232.5 | 1240.0 |
| 102.5° | 269.1 | 213.8 | 158.4 | 213.8 | 269.1 | 283.0 | 609.0 | 1043.6 | 1261.0 | 1325.5 | 1454.8 |
| 105° | 298.6 | 251.8 | 204.9 | 251.8 | 298.6 | 310.4 | 626.0 | 1046.9 | 1257.4 | 1402.1 | 1691.8 |
| 107.5° | 340.0 | 296.2 | 252.6 | 296.2 | 340.0 | 350.9 | 629.2 | 1000.4 | 1185.9 | 1387.9 | 1791.9 |
| 110° | 363.7 | 324.1 | 284.7 | 324.1 | 363.7 | 373.5 | 624.5 | 959.0 | 1126.3 | 1352.2 | 1803.8 |



TEST NUMBER: P936102

CATALOG NUMBER: SQ4-FA-150U-100D-B40-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|-------|-------|-------|-------|-------|--------|-------|-------|--------|--------|--------|
| 112.5° | 391.6 | 353.9 | 316.3 | 353.9 | 391.6 | 400.9 | 624.7 | 923.0 | 1072.2 | 1303.3 | 1765.5 |
| 115° | 433.3 | 398.6 | 364.0 | 398.6 | 433.3 | 442.0 | 630.4 | 881.7 | 1007.2 | 1229.8 | 1675.2 |
| 117.5° | 474.1 | 442.5 | 411.0 | 442.5 | 474.1 | 481.9 | 642.1 | 855.8 | 962.5 | 1163.5 | 1565.3 |
| 120° | 497.7 | 468.0 | 438.3 | 468.0 | 497.7 | 505.1 | 651.6 | 847.0 | 944.7 | 1128.2 | 1495.4 |
| 122.5° | 525.1 | 495.1 | 465.2 | 495.1 | 525.1 | 532.5 | 665.3 | 842.5 | 931.0 | 1096.3 | 1427.0 |
| 125° | 560.9 | 533.6 | 506.3 | 533.6 | 560.9 | 567.7 | 683.8 | 838.7 | 916.1 | 1056.5 | 1337.4 |
| 127.5° | 594.7 | 567.2 | 539.7 | 567.2 | 594.7 | 601.6 | 702.2 | 836.5 | 903.6 | 1024.2 | 1265.4 |
| 130° | 616.7 | 587.1 | 557.5 | 587.1 | 616.7 | 624.2 | 715.8 | 837.8 | 898.8 | 1006.2 | 1220.9 |
| 132.5° | 635.3 | 605.7 | 576.0 | 605.7 | 635.3 | 642.7 | 726.7 | 838.7 | 894.6 | 990.7 | 1183.0 |
| 135° | 657.3 | 630.4 | 603.4 | 630.4 | 657.3 | 664.1 | 738.6 | 837.8 | 887.5 | 968.0 | 1128.9 |
| 137.5° | 684.8 | 658.1 | 631.4 | 658.1 | 684.8 | 691.5 | 756.5 | 843.1 | 886.3 | 954.3 | 1090.4 |
| 140° | 703.9 | 679.3 | 654.7 | 679.3 | 703.9 | 710.0 | 767.4 | 843.9 | 882.1 | 940.9 | 1058.4 |
| 142.5° | 718.0 | 695.2 | 672.5 | 695.2 | 718.0 | 723.7 | 776.5 | 846.9 | 882.1 | 933.8 | 1037.0 |
| 145° | 739.6 | 719.8 | 699.9 | 719.8 | 739.6 | 744.5 | 788.4 | 847.0 | 876.2 | 918.4 | 1002.8 |
| 147.5° | 765.9 | 746.6 | 727.2 | 746.6 | 765.9 | 770.8 | 805.9 | 852.8 | 876.2 | 909.4 | 975.8 |
| 150° | 780.0 | 762.7 | 745.2 | 762.7 | 780.0 | 784.4 | 815.0 | 855.8 | 876.2 | 904.3 | 960.3 |
| 152.5° | 790.1 | 776.9 | 763.6 | 776.9 | 790.1 | 793.4 | 821.0 | 857.8 | 876.2 | 900.2 | 948.1 |
| 155° | 810.6 | 800.9 | 791.0 | 800.9 | 810.6 | 813.1 | 834.1 | 862.2 | 876.2 | 895.3 | 933.4 |
| 157.5° | 830.3 | 820.8 | 811.3 | 820.8 | 830.3 | 832.7 | 847.2 | 866.6 | 876.2 | 891.0 | 920.6 |
| 160° | 839.8 | 832.4 | 824.9 | 832.4 | 839.8 | 841.6 | 853.2 | 868.6 | 876.2 | 888.9 | 914.3 |
| 162.5° | 849.8 | 844.2 | 838.7 | 844.2 | 849.8 | 851.2 | 859.5 | 870.7 | 876.2 | 886.9 | 908.4 |
| 165° | 863.6 | 858.5 | 853.6 | 858.5 | 863.6 | 864.8 | 868.7 | 873.7 | 876.2 | 883.9 | 899.2 |
| 167.5° | 872.0 | 869.6 | 867.2 | 869.6 | 872.0 | 872.6 | 875.7 | 880.0 | 882.1 | 887.2 | 897.2 |
| 170° | 881.0 | 878.6 | 876.2 | 878.6 | 881.0 | 881.6 | 881.8 | 882.0 | 882.1 | 887.2 | 897.2 |
| 172.5° | 882.0 | 881.5 | 881.0 | 881.5 | 882.0 | 882.1 | 882.1 | 882.1 | 882.1 | 886.1 | 894.1 |
| 175° | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 | 885.7 | 883.3 | 882.1 | 884.6 | 889.7 |
| 177.5° | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 | 886.1 | 884.3 | 883.4 | 885.4 | 889.3 |
| 180° | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 |



TEST NUMBER: P936102
 CATALOG NUMBER: SQ4-FA-150U-100D-B40-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 |
| 2.5° | 1287.1 | 1283.2 | 1288.3 | 1274.4 | 1288.3 | 1283.2 | 1287.1 | 1295.8 | 1288.3 | 1293.4 | 1298.4 |
| 5° | 1129.3 | 1123.0 | 1102.8 | 1086.4 | 1102.8 | 1123.0 | 1129.3 | 1155.8 | 1168.4 | 1191.1 | 1221.4 |
| 7.5° | 1009.4 | 1004.4 | 999.3 | 989.2 | 999.3 | 1004.4 | 1009.4 | 1017.0 | 1029.6 | 1049.8 | 1072.6 |
| 10° | 982.9 | 984.2 | 991.8 | 990.5 | 991.8 | 984.2 | 982.9 | 980.4 | 976.6 | 980.4 | 994.3 |
| 12.5° | 1051.1 | 1062.4 | 1104.1 | 1101.5 | 1104.1 | 1062.4 | 1051.1 | 1000.6 | 966.6 | 960.3 | 962.7 |
| 15° | 1129.3 | 1133.1 | 1141.9 | 1143.1 | 1141.9 | 1133.1 | 1129.3 | 1109.1 | 1006.9 | 962.7 | 948.9 |
| 17.5° | 1136.8 | 1138.2 | 1144.5 | 1144.5 | 1144.5 | 1138.2 | 1136.8 | 1128.0 | 1094.0 | 1034.6 | 956.4 |
| 20° | 1130.5 | 1133.1 | 1145.7 | 1148.2 | 1145.7 | 1133.1 | 1130.5 | 1119.2 | 1100.3 | 1078.9 | 1019.6 |
| 22.5° | 1128.0 | 1133.1 | 1143.1 | 1141.9 | 1143.1 | 1133.1 | 1128.0 | 1110.4 | 1094.0 | 1078.9 | 1054.9 |
| 25° | 1115.4 | 1115.4 | 1116.7 | 1117.9 | 1116.7 | 1115.4 | 1115.4 | 1101.5 | 1068.7 | 1064.9 | 1051.1 |
| 27.5° | 1088.9 | 1091.5 | 1099.0 | 1097.8 | 1099.0 | 1091.5 | 1088.9 | 1083.8 | 1048.5 | 1044.8 | 1034.6 |
| 30° | 1064.9 | 1062.4 | 1056.1 | 1051.1 | 1056.1 | 1062.4 | 1064.9 | 1057.4 | 1022.0 | 1011.9 | 1014.5 |
| 32.5° | 1024.5 | 1018.2 | 1011.9 | 1008.2 | 1011.9 | 1018.2 | 1024.5 | 1022.0 | 995.6 | 981.6 | 984.2 |
| 35° | 976.6 | 977.9 | 976.6 | 972.9 | 976.6 | 977.9 | 976.6 | 979.2 | 962.7 | 950.1 | 948.9 |
| 37.5° | 942.6 | 945.1 | 943.8 | 938.8 | 943.8 | 945.1 | 942.6 | 940.0 | 917.3 | 913.6 | 916.0 |
| 40° | 907.2 | 908.5 | 907.2 | 903.4 | 907.2 | 908.5 | 907.2 | 902.2 | 870.7 | 871.9 | 880.7 |
| 42.5° | 873.2 | 871.9 | 868.1 | 865.6 | 868.1 | 871.9 | 873.2 | 865.6 | 825.2 | 821.4 | 837.8 |
| 45° | 834.0 | 835.3 | 827.7 | 824.0 | 827.7 | 835.3 | 834.0 | 829.0 | 787.4 | 777.3 | 788.6 |
| 47.5° | 794.9 | 794.9 | 788.6 | 784.8 | 788.6 | 794.9 | 794.9 | 788.6 | 744.4 | 734.4 | 740.7 |
| 50° | 753.3 | 752.1 | 743.2 | 741.9 | 743.2 | 752.1 | 753.3 | 749.5 | 702.8 | 694.0 | 694.0 |
| 52.5° | 705.4 | 705.4 | 706.6 | 709.1 | 706.6 | 705.4 | 705.4 | 706.6 | 665.0 | 656.1 | 653.6 |
| 55° | 663.7 | 665.0 | 673.8 | 676.3 | 673.8 | 665.0 | 663.7 | 663.7 | 625.8 | 617.0 | 612.0 |
| 57.5° | 620.8 | 620.8 | 627.1 | 627.1 | 627.1 | 620.8 | 620.8 | 618.3 | 581.7 | 574.1 | 571.6 |
| 60° | 571.6 | 574.1 | 579.1 | 577.9 | 579.1 | 574.1 | 571.6 | 569.1 | 537.5 | 532.5 | 523.6 |
| 62.5° | 519.8 | 522.4 | 523.6 | 521.1 | 523.6 | 522.4 | 519.8 | 512.3 | 493.4 | 489.5 | 478.2 |
| 65° | 465.6 | 468.1 | 469.4 | 466.9 | 469.4 | 468.1 | 465.6 | 461.8 | 447.9 | 441.6 | 431.6 |
| 67.5° | 410.1 | 408.8 | 407.6 | 412.6 | 407.6 | 408.8 | 410.1 | 405.0 | 396.2 | 391.2 | 377.2 |
| 70° | 353.3 | 353.3 | 352.0 | 354.6 | 352.0 | 353.3 | 353.3 | 349.5 | 344.5 | 340.6 | 328.0 |
| 72.5° | 292.7 | 291.5 | 296.5 | 292.7 | 296.5 | 291.5 | 292.7 | 291.5 | 289.0 | 285.2 | 272.6 |
| 75° | 233.4 | 236.0 | 233.4 | 237.2 | 233.4 | 236.0 | 233.4 | 234.6 | 233.4 | 230.9 | 222.0 |
| 77.5° | 177.9 | 180.4 | 177.9 | 177.9 | 177.9 | 180.4 | 177.9 | 179.2 | 179.2 | 179.2 | 171.6 |
| 80° | 126.2 | 124.9 | 124.9 | 123.7 | 124.9 | 124.9 | 126.2 | 126.2 | 127.4 | 124.9 | 122.4 |
| 82.5° | 80.8 | 79.5 | 79.5 | 82.0 | 79.5 | 79.5 | 80.8 | 82.0 | 79.5 | 79.5 | 79.5 |
| 85° | 44.1 | 45.5 | 42.9 | 42.9 | 42.9 | 45.5 | 44.1 | 41.6 | 44.1 | 44.1 | 42.9 |
| 87.5° | 16.4 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 16.4 | 17.7 | 17.7 | 17.7 | 18.9 |
| 90° | 22.6 | 22.6 | 22.6 | 22.6 | 22.6 | 22.6 | 22.6 | 30.2 | 40.2 | 45.3 | 39.0 |
| 92.5° | 113.2 | 108.7 | 90.6 | 72.7 | 90.6 | 108.7 | 113.2 | 160.4 | 223.4 | 254.9 | 223.8 |
| 95° | 384.2 | 370.5 | 316.0 | 261.5 | 316.0 | 370.5 | 384.2 | 504.5 | 665.0 | 745.2 | 629.3 |
| 97.5° | 886.9 | 860.9 | 757.2 | 653.4 | 757.2 | 860.9 | 886.9 | 962.9 | 1064.3 | 1115.1 | 922.0 |
| 100° | 1245.5 | 1214.6 | 1091.0 | 967.3 | 1091.0 | 1214.6 | 1245.5 | 1240.0 | 1232.5 | 1228.8 | 1014.5 |
| 102.5° | 1551.7 | 1525.2 | 1419.3 | 1313.4 | 1419.3 | 1525.2 | 1551.7 | 1454.8 | 1325.5 | 1261.0 | 1043.6 |
| 105° | 1909.0 | 1894.8 | 1837.9 | 1781.0 | 1837.9 | 1894.8 | 1909.0 | 1691.8 | 1402.1 | 1257.4 | 1046.9 |
| 107.5° | 2094.9 | 2098.3 | 2112.1 | 2125.8 | 2112.1 | 2098.3 | 2094.9 | 1791.9 | 1387.9 | 1185.9 | 1000.4 |
| 110° | 2142.5 | 2157.3 | 2216.7 | 2276.0 | 2216.7 | 2157.3 | 2142.5 | 1803.8 | 1352.2 | 1126.3 | 959.0 |



TEST NUMBER: P936102

CATALOG NUMBER: SQ4-FA-150U-100D-B40-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 112.5° | 2112.2 | 2134.9 | 2226.0 | 2317.0 | 2226.0 | 2134.9 | 2112.2 | 1765.5 | 1303.3 | 1072.2 | 923.0 |
| 115° | 2009.1 | 2040.7 | 2167.0 | 2293.2 | 2167.0 | 2040.7 | 2009.1 | 1675.2 | 1229.8 | 1007.2 | 881.7 |
| 117.5° | 1866.7 | 1901.8 | 2041.8 | 2181.8 | 2041.8 | 1901.8 | 1866.7 | 1565.3 | 1163.5 | 962.5 | 855.8 |
| 120° | 1770.9 | 1804.9 | 1940.9 | 2077.0 | 1940.9 | 1804.9 | 1770.9 | 1495.4 | 1128.2 | 944.7 | 847.0 |
| 122.5° | 1675.0 | 1708.5 | 1842.8 | 1976.9 | 1842.8 | 1708.5 | 1675.0 | 1427.0 | 1096.3 | 931.0 | 842.5 |
| 125° | 1548.1 | 1579.0 | 1702.6 | 1826.2 | 1702.6 | 1579.0 | 1548.1 | 1337.4 | 1056.5 | 916.1 | 838.7 |
| 127.5° | 1446.3 | 1472.3 | 1576.6 | 1680.9 | 1576.6 | 1472.3 | 1446.3 | 1265.4 | 1024.2 | 903.6 | 836.5 |
| 130° | 1381.9 | 1406.0 | 1502.3 | 1598.7 | 1502.3 | 1406.0 | 1381.9 | 1220.9 | 1006.2 | 898.8 | 837.8 |
| 132.5° | 1327.1 | 1348.7 | 1434.9 | 1521.2 | 1434.9 | 1348.7 | 1327.1 | 1183.0 | 990.7 | 894.6 | 838.7 |
| 135° | 1249.6 | 1268.2 | 1342.6 | 1417.0 | 1342.6 | 1268.2 | 1249.6 | 1128.9 | 968.0 | 887.5 | 837.8 |
| 137.5° | 1192.5 | 1207.7 | 1268.6 | 1329.5 | 1268.6 | 1207.7 | 1192.5 | 1090.4 | 954.3 | 886.3 | 843.1 |
| 140° | 1146.6 | 1160.8 | 1217.7 | 1274.6 | 1217.7 | 1160.8 | 1146.6 | 1058.4 | 940.9 | 882.1 | 843.9 |
| 142.5° | 1114.5 | 1126.7 | 1175.7 | 1224.6 | 1175.7 | 1126.7 | 1114.5 | 1037.0 | 933.8 | 882.1 | 846.9 |
| 145° | 1066.2 | 1075.4 | 1112.6 | 1149.6 | 1112.6 | 1075.4 | 1066.2 | 1002.8 | 918.4 | 876.2 | 847.0 |
| 147.5° | 1025.7 | 1033.3 | 1064.1 | 1094.8 | 1064.1 | 1033.3 | 1025.7 | 975.8 | 909.4 | 876.2 | 852.8 |
| 150° | 1002.5 | 1008.7 | 1033.6 | 1058.4 | 1033.6 | 1008.7 | 1002.5 | 960.3 | 904.3 | 876.2 | 855.8 |
| 152.5° | 984.0 | 988.7 | 1007.5 | 1026.2 | 1007.5 | 988.7 | 984.0 | 948.1 | 900.2 | 876.2 | 857.8 |
| 155° | 962.0 | 965.1 | 977.5 | 990.0 | 977.5 | 965.1 | 962.0 | 933.4 | 895.3 | 876.2 | 862.2 |
| 157.5° | 942.9 | 945.1 | 953.8 | 962.5 | 953.8 | 945.1 | 942.9 | 920.6 | 891.0 | 876.2 | 866.6 |
| 160° | 933.3 | 934.6 | 939.6 | 944.7 | 939.6 | 934.6 | 933.3 | 914.3 | 888.9 | 876.2 | 868.6 |
| 162.5° | 924.4 | 925.6 | 930.4 | 935.1 | 930.4 | 925.6 | 924.4 | 908.4 | 886.9 | 876.2 | 870.7 |
| 165° | 910.7 | 911.9 | 917.0 | 922.1 | 917.0 | 911.9 | 910.7 | 899.2 | 883.9 | 876.2 | 873.7 |
| 167.5° | 904.8 | 905.3 | 907.4 | 909.5 | 907.4 | 905.3 | 904.8 | 897.2 | 887.2 | 882.1 | 880.0 |
| 170° | 904.8 | 904.8 | 904.8 | 904.8 | 904.8 | 904.8 | 904.8 | 897.2 | 887.2 | 882.1 | 882.0 |
| 172.5° | 900.0 | 899.5 | 897.7 | 895.9 | 897.7 | 899.5 | 900.0 | 894.1 | 886.1 | 882.1 | 882.1 |
| 175° | 893.5 | 893.5 | 893.5 | 893.5 | 893.5 | 893.5 | 893.5 | 889.7 | 884.6 | 882.1 | 883.3 |
| 177.5° | 892.3 | 891.7 | 889.6 | 887.5 | 889.6 | 891.7 | 892.3 | 889.3 | 885.4 | 883.4 | 884.3 |
| 180° | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 |



TEST NUMBER: P936102

CATALOG NUMBER: SQ4-FA-150U-100D-B40-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 0° | 1333.7 | 1333.7 | 1333.7 | 1333.7 | 1333.7 |
| 2.5° | 1317.3 | 1323.6 | 1327.4 | 1332.4 | 1345.0 |
| 5° | 1266.8 | 1290.8 | 1298.4 | 1317.3 | 1340.1 |
| 7.5° | 1155.8 | 1229.0 | 1249.1 | 1294.6 | 1329.9 |
| 10° | 1048.5 | 1121.7 | 1157.1 | 1264.3 | 1317.3 |
| 12.5° | 994.3 | 1037.2 | 1061.2 | 1211.3 | 1299.7 |
| 15° | 960.3 | 990.5 | 1008.2 | 1140.7 | 1279.4 |
| 17.5° | 933.7 | 955.2 | 967.8 | 1071.2 | 1251.7 |
| 20° | 917.3 | 927.4 | 938.8 | 1020.8 | 1220.1 |
| 22.5° | 905.9 | 899.6 | 908.5 | 985.5 | 1177.2 |
| 25° | 898.4 | 874.4 | 884.5 | 957.7 | 1126.8 |
| 27.5° | 904.7 | 851.7 | 855.5 | 932.5 | 1073.8 |
| 30° | 905.9 | 824.0 | 825.2 | 905.9 | 1014.5 |
| 32.5° | 897.1 | 794.9 | 796.2 | 873.2 | 947.6 |
| 35° | 875.6 | 760.8 | 759.6 | 835.3 | 856.7 |
| 37.5° | 846.6 | 724.3 | 724.3 | 793.7 | 757.0 |
| 40° | 811.4 | 687.7 | 691.4 | 739.4 | 668.8 |
| 42.5° | 768.4 | 648.5 | 653.6 | 667.4 | 603.2 |
| 45° | 721.7 | 610.7 | 614.4 | 564.0 | 552.7 |
| 47.5° | 670.0 | 571.6 | 572.8 | 468.1 | 536.2 |
| 50° | 608.1 | 531.2 | 526.2 | 401.3 | 535.0 |
| 52.5° | 553.9 | 487.0 | 471.9 | 363.4 | 485.8 |
| 55° | 500.9 | 440.4 | 407.6 | 334.3 | 450.5 |
| 57.5° | 454.2 | 379.8 | 348.3 | 300.3 | 442.9 |
| 60° | 411.3 | 320.5 | 296.5 | 263.7 | 406.3 |
| 62.5° | 376.0 | 276.4 | 271.3 | 238.5 | 368.4 |
| 65° | 338.2 | 246.0 | 244.8 | 217.1 | 313.0 |
| 67.5° | 301.6 | 225.9 | 224.6 | 196.8 | 238.5 |
| 70° | 262.4 | 204.4 | 201.9 | 175.4 | 176.7 |
| 72.5° | 222.0 | 180.4 | 177.9 | 157.8 | 146.4 |
| 75° | 181.7 | 152.7 | 151.4 | 137.5 | 118.6 |
| 77.5° | 142.6 | 121.1 | 123.7 | 111.1 | 87.1 |
| 80° | 102.2 | 88.3 | 90.8 | 79.5 | 65.6 |
| 82.5° | 68.1 | 58.1 | 60.5 | 50.4 | 44.1 |
| 85° | 37.8 | 32.9 | 34.1 | 26.5 | 20.2 |
| 87.5° | 17.7 | 15.2 | 15.2 | 10.1 | 6.3 |
| 90° | 26.3 | 16.7 | 15.5 | 10.7 | 5.9 |
| 92.5° | 161.6 | 115.0 | 104.9 | 64.3 | 23.8 |
| 95° | 397.7 | 223.9 | 205.4 | 131.3 | 57.2 |
| 97.5° | 535.7 | 246.0 | 229.7 | 164.3 | 98.8 |
| 100° | 585.9 | 264.4 | 249.6 | 190.3 | 131.0 |
| 102.5° | 609.0 | 283.0 | 269.1 | 213.8 | 158.4 |
| 105° | 626.0 | 310.4 | 298.6 | 251.8 | 204.9 |
| 107.5° | 629.2 | 350.9 | 340.0 | 296.2 | 252.6 |
| 110° | 624.5 | 373.5 | 363.7 | 324.1 | 284.7 |



TEST NUMBER: P936102

CATALOG NUMBER: SQ4-FA-150U-100D-B40-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|-------|--------|-------|-------|-------|
| 112.5° | 624.7 | 400.9 | 391.6 | 353.9 | 316.3 |
| 115° | 630.4 | 442.0 | 433.3 | 398.6 | 364.0 |
| 117.5° | 642.1 | 481.9 | 474.1 | 442.5 | 411.0 |
| 120° | 651.6 | 505.1 | 497.7 | 468.0 | 438.3 |
| 122.5° | 665.3 | 532.5 | 525.1 | 495.1 | 465.2 |
| 125° | 683.8 | 567.7 | 560.9 | 533.6 | 506.3 |
| 127.5° | 702.2 | 601.6 | 594.7 | 567.2 | 539.7 |
| 130° | 715.8 | 624.2 | 616.7 | 587.1 | 557.5 |
| 132.5° | 726.7 | 642.7 | 635.3 | 605.7 | 576.0 |
| 135° | 738.6 | 664.1 | 657.3 | 630.4 | 603.4 |
| 137.5° | 756.5 | 691.5 | 684.8 | 658.1 | 631.4 |
| 140° | 767.4 | 710.0 | 703.9 | 679.3 | 654.7 |
| 142.5° | 776.5 | 723.7 | 718.0 | 695.2 | 672.5 |
| 145° | 788.4 | 744.5 | 739.6 | 719.8 | 699.9 |
| 147.5° | 805.9 | 770.8 | 765.9 | 746.6 | 727.2 |
| 150° | 815.0 | 784.4 | 780.0 | 762.7 | 745.2 |
| 152.5° | 821.0 | 793.4 | 790.1 | 776.9 | 763.6 |
| 155° | 834.1 | 813.1 | 810.6 | 800.9 | 791.0 |
| 157.5° | 847.2 | 832.7 | 830.3 | 820.8 | 811.3 |
| 160° | 853.2 | 841.6 | 839.8 | 832.4 | 824.9 |
| 162.5° | 859.5 | 851.2 | 849.8 | 844.2 | 838.7 |
| 165° | 868.7 | 864.8 | 863.6 | 858.5 | 853.6 |
| 167.5° | 875.7 | 872.6 | 872.0 | 869.6 | 867.2 |
| 170° | 881.8 | 881.6 | 881.0 | 878.6 | 876.2 |
| 172.5° | 882.1 | 882.1 | 882.0 | 881.5 | 881.0 |
| 175° | 885.7 | 887.5 | 887.5 | 887.5 | 887.5 |
| 177.5° | 886.1 | 887.5 | 887.5 | 887.5 | 887.5 |
| 180° | 887.5 | 887.5 | 887.5 | 887.5 | 887.5 |



TEST NUMBER: P936102
 CATALOG NUMBER: SQ4-FA-150U-100D-B40-1D-UNV-STD-W-4

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 | 12.26 | 13.02 | 13.32 | 14.08 | 15.52 | 15.06 | 15.82 | 16.12 | 16.88 | 18.32 |
| | 3H | 12.73 | 13.41 | 13.80 | 14.48 | 15.94 | 16.39 | 17.07 | 17.45 | 18.14 | 19.59 |
| | 4H | 12.92 | 13.56 | 14.00 | 14.63 | 16.10 | 16.82 | 17.46 | 17.90 | 18.54 | 20.00 |
| | 6H | 13.03 | 13.63 | 14.12 | 14.70 | 16.18 | 17.09 | 17.68 | 18.18 | 18.76 | 20.24 |
| | 8H | 13.03 | 13.59 | 14.12 | 14.69 | 16.16 | 17.16 | 17.72 | 18.25 | 18.81 | 20.28 |
| | 12H | 13.00 | 13.53 | 14.09 | 14.62 | 16.11 | 17.19 | 17.73 | 18.29 | 18.81 | 20.30 |
| 4H | 2H | 13.27 | 13.92 | 14.36 | 14.99 | 16.45 | 15.46 | 16.10 | 16.54 | 17.17 | 18.64 |
| | 3H | 14.29 | 14.83 | 15.38 | 15.93 | 17.40 | 16.94 | 17.48 | 18.04 | 18.58 | 20.06 |
| | 4H | 14.56 | 15.06 | 15.66 | 16.14 | 17.64 | 17.46 | 17.95 | 18.56 | 19.04 | 20.54 |
| | 6H | 14.68 | 15.11 | 15.79 | 16.22 | 17.71 | 17.81 | 18.24 | 18.92 | 19.35 | 20.84 |
| | 8H | 14.69 | 15.08 | 15.79 | 16.18 | 17.69 | 17.91 | 18.31 | 19.02 | 19.41 | 20.92 |
| | 12H | 14.65 | 15.01 | 15.77 | 16.12 | 17.63 | 17.96 | 18.32 | 19.08 | 19.43 | 20.94 |
| 8H | 4H | 15.00 | 15.40 | 16.11 | 16.50 | 18.01 | 17.58 | 17.97 | 18.68 | 19.08 | 20.58 |
| | 6H | 15.26 | 15.59 | 16.39 | 16.73 | 18.24 | 18.00 | 18.33 | 19.13 | 19.47 | 20.98 |
| | 8H | 15.30 | 15.59 | 16.44 | 16.71 | 18.24 | 18.15 | 18.43 | 19.28 | 19.56 | 21.08 |
| | 12H | 15.28 | 15.53 | 16.42 | 16.66 | 18.22 | 18.24 | 18.49 | 19.37 | 19.61 | 21.17 |
| 12H | 4H | 15.00 | 15.36 | 16.13 | 16.48 | 17.99 | 17.54 | 17.90 | 18.66 | 19.01 | 20.52 |
| | 6H | 15.32 | 15.60 | 16.45 | 16.73 | 18.25 | 18.00 | 18.28 | 19.13 | 19.41 | 20.93 |
| | 8H | 15.38 | 15.63 | 16.52 | 16.75 | 18.31 | 18.15 | 18.40 | 19.29 | 19.52 | 21.08 |