

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: P1427764

Luminaire Tested: SQ2W-F-K-100U-100D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427764
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-F-K-100U-100D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

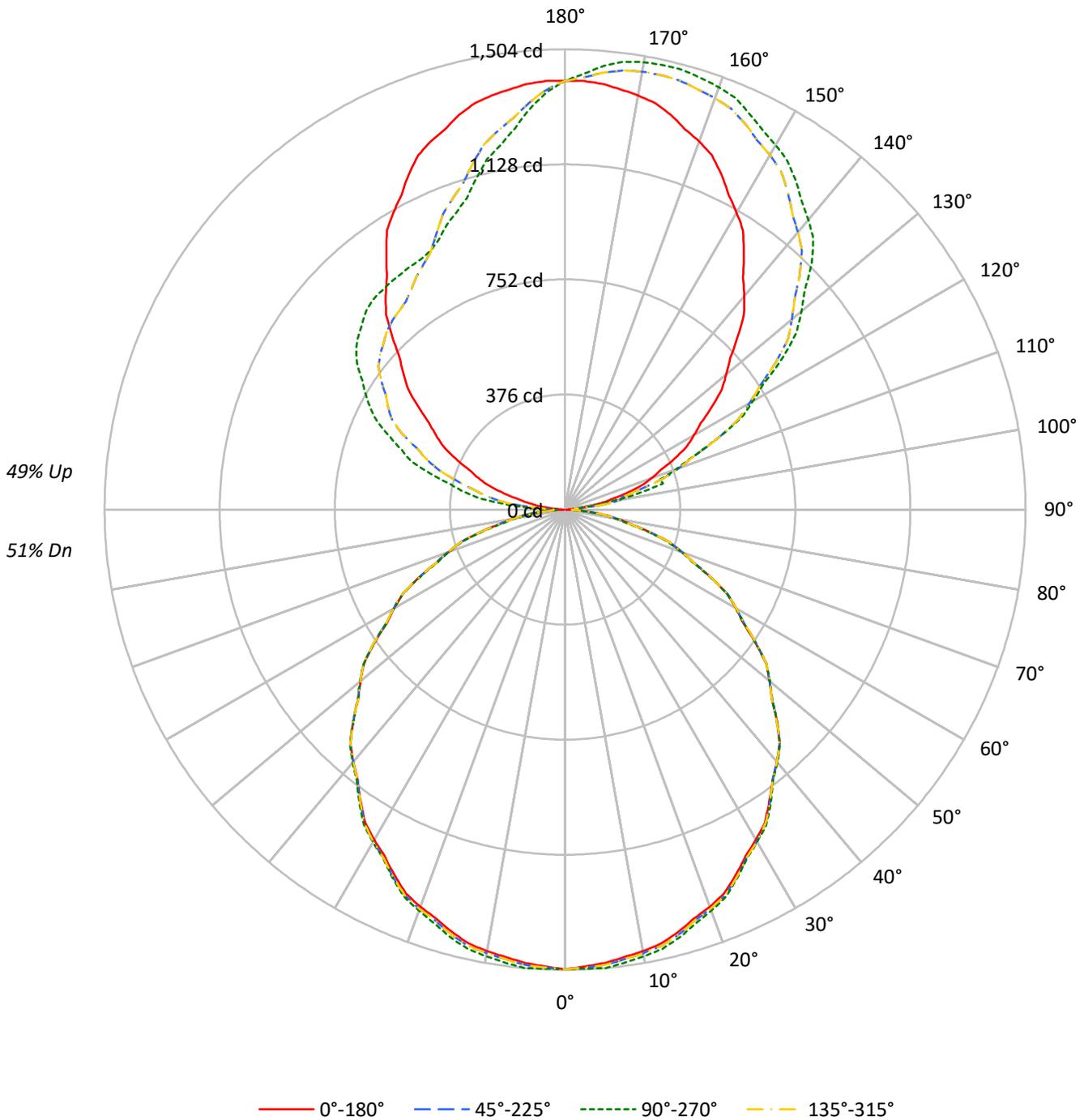
Lumens per Lamp: N/A
Luminaire Lumens: 8322.8 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 70.7
Input Voltage (V): 120
Input Current (A_{in}): 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: P1427764

CATALOG NUMBER: SQ2W-F-K-100U-100D-L940-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427764

CATALOG NUMBER: SQ2W-F-K-100U-100D-L940-UNV-STD-W-WM-4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 70 | 70 | 70 | 57 | 57 | 57 | 51 |
| 1 | 98 | 93 | 89 | 86 | 90 | 86 | 83 | 80 | 73 | 71 | 68 | 61 | 59 | 58 | 50 | 49 | 48 | 42 |
| 2 | 89 | 81 | 75 | 70 | 82 | 75 | 70 | 65 | 64 | 60 | 56 | 53 | 51 | 48 | 44 | 42 | 40 | 35 |
| 3 | 81 | 71 | 64 | 58 | 74 | 66 | 60 | 54 | 56 | 51 | 47 | 47 | 43 | 40 | 39 | 36 | 34 | 30 |
| 4 | 74 | 63 | 55 | 49 | 68 | 58 | 51 | 46 | 50 | 44 | 40 | 42 | 38 | 34 | 34 | 31 | 29 | 25 |
| 5 | 68 | 56 | 48 | 42 | 62 | 52 | 45 | 39 | 45 | 39 | 34 | 38 | 33 | 30 | 31 | 28 | 25 | 22 |
| 6 | 62 | 50 | 42 | 36 | 57 | 47 | 39 | 34 | 40 | 34 | 30 | 34 | 29 | 26 | 28 | 25 | 22 | 19 |
| 7 | 58 | 45 | 37 | 32 | 53 | 42 | 35 | 30 | 36 | 31 | 26 | 31 | 26 | 23 | 26 | 22 | 20 | 17 |
| 8 | 54 | 41 | 33 | 28 | 49 | 38 | 31 | 26 | 33 | 27 | 23 | 28 | 24 | 20 | 23 | 20 | 17 | 15 |
| 9 | 50 | 37 | 30 | 25 | 46 | 35 | 28 | 23 | 30 | 25 | 21 | 26 | 21 | 18 | 22 | 18 | 16 | 14 |
| 10 | 47 | 34 | 27 | 22 | 43 | 32 | 26 | 21 | 28 | 22 | 19 | 24 | 20 | 16 | 20 | 17 | 14 | 12 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 24251 | 24251 | 24251 | 24251 |
| 5° | 24103 | 24377 | 24103 | 24377 |
| 10° | 24018 | 24295 | 24018 | 24295 |
| 15° | 23886 | 24187 | 23886 | 24187 |
| 20° | 23735 | 23972 | 23735 | 23972 |
| 25° | 23480 | 23686 | 23480 | 23686 |
| 30° | 23231 | 23388 | 23231 | 23388 |
| 35° | 22933 | 23079 | 22933 | 23079 |
| 40° | 22672 | 22739 | 22672 | 22739 |
| 45° | 22340 | 22340 | 22340 | 22340 |
| 50° | 21893 | 21946 | 21893 | 21946 |
| 55° | 21379 | 21407 | 21379 | 21407 |
| 60° | 20802 | 20802 | 20802 | 20802 |
| 65° | 20126 | 20045 | 20126 | 20045 |
| 70° | 19175 | 18977 | 19175 | 18977 |
| 75° | 17885 | 17486 | 17885 | 17486 |
| 80° | 15937 | 15146 | 15937 | 15146 |
| 85° | 12745 | 10782 | 12745 | 10782 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 22491 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 142.1 | 1.7 |
| 10°-20° | 406.1 | 4.9 |
| 20°-30° | 611.3 | 7.3 |
| 30°-40° | 731.0 | 8.8 |
| 40°-50° | 754.8 | 9.1 |
| 50°-60° | 680.8 | 8.2 |
| 60°-70° | 521.5 | 6.3 |
| 70°-80° | 301.4 | 3.6 |
| 80°-90° | 84.1 | 1.0 |
| 90°-100° | 111.5 | 1.3 |
| 100°-110° | 325.1 | 3.9 |
| 110°-120° | 530.5 | 6.4 |
| 120°-130° | 673.2 | 8.1 |
| 130°-140° | 720.3 | 8.7 |
| 140°-150° | 672.6 | 8.1 |
| 150°-160° | 553.5 | 6.7 |
| 160°-170° | 371.2 | 4.5 |
| 170°-180° | 131.8 | 1.6 |
| 0°-30° | 1159.5 | 13.9 |
| 0°-40° | 1890.4 | 22.7 |
| 0°-60° | 3326.1 | 40.0 |
| 0°-90° | 4233.1 | 50.9 |
| 90°-120° | 967.1 | 11.6 |
| 90°-150° | 3033.2 | 36.4 |
| 90°-180° | 4090.0 | 49.1 |
| 0°-180° | 8322.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1502 | 1502 | 1502 | 1502 | 1502 | |
| 5° | 1487 | 1504 | 1487 | 1504 | 1487 | 141 |
| 15° | 1429 | 1447 | 1429 | 1447 | 1429 | 403 |
| 25° | 1318 | 1330 | 1318 | 1330 | 1318 | 607 |
| 35° | 1164 | 1171 | 1164 | 1171 | 1164 | 728 |
| 45° | 978 | 978 | 978 | 978 | 978 | 754 |
| 55° | 760 | 760 | 760 | 760 | 760 | 679 |
| 65° | 527 | 525 | 527 | 525 | 527 | 521 |
| 75° | 287 | 280 | 287 | 280 | 287 | 304 |
| 85° | 69 | 58 | 69 | 58 | 69 | 80 |
| 90° | 4 | 31 | 4 | 61 | 4 | 6 |
| 95° | 44 | 32 | 44 | 191 | 44 | 53 |
| 105° | 207 | 331 | 207 | 456 | 207 | 220 |
| 115° | 396 | 549 | 396 | 676 | 396 | 390 |
| 125° | 586 | 870 | 586 | 829 | 586 | 524 |
| 135° | 796 | 1139 | 796 | 918 | 796 | 616 |
| 145° | 1017 | 1313 | 1017 | 938 | 1017 | 636 |
| 155° | 1208 | 1426 | 1208 | 973 | 1208 | 555 |
| 165° | 1336 | 1487 | 1336 | 1120 | 1336 | 376 |
| 175° | 1396 | 1456 | 1396 | 1314 | 1396 | 132 |
| 180° | 1401 | 1401 | 1401 | 1401 | 1401 | |



TEST NUMBER: P1427764

CATALOG NUMBER: SQ2W-F-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1502.0 | 1502.0 | 1502.0 | 1502.0 | 1502.0 | 1502.0 | 1502.0 | 1502.0 | 1502.0 | 1502.0 | 1502.0 |
| 2.5° | 1494.4 | 1501.6 | 1508.7 | 1505.7 | 1499.3 | 1496.9 | 1498.4 | 1499.7 | 1500.4 | 1501.2 | 1500.4 |
| 5° | 1487.2 | 1496.6 | 1506.0 | 1502.7 | 1495.2 | 1491.9 | 1492.9 | 1494.7 | 1499.4 | 1504.1 | 1499.4 |
| 7.5° | 1475.2 | 1484.6 | 1494.0 | 1491.0 | 1483.8 | 1480.8 | 1481.9 | 1484.0 | 1488.9 | 1493.8 | 1488.9 |
| 10° | 1465.0 | 1474.4 | 1483.8 | 1480.5 | 1473.0 | 1470.2 | 1472.1 | 1474.4 | 1478.2 | 1481.9 | 1478.2 |
| 12.5° | 1452.3 | 1461.7 | 1471.1 | 1468.4 | 1461.6 | 1458.8 | 1459.9 | 1461.8 | 1465.9 | 1470.1 | 1465.9 |
| 15° | 1429.0 | 1438.4 | 1447.8 | 1445.3 | 1438.7 | 1436.1 | 1437.5 | 1439.5 | 1443.3 | 1447.0 | 1443.3 |
| 17.5° | 1400.9 | 1409.7 | 1418.6 | 1416.2 | 1410.1 | 1407.8 | 1409.4 | 1411.5 | 1414.8 | 1418.0 | 1414.8 |
| 20° | 1381.4 | 1389.9 | 1398.4 | 1395.9 | 1389.8 | 1387.0 | 1387.4 | 1388.6 | 1391.9 | 1395.2 | 1391.9 |
| 22.5° | 1357.8 | 1366.2 | 1374.7 | 1372.5 | 1366.8 | 1363.4 | 1362.3 | 1362.6 | 1366.6 | 1370.7 | 1366.6 |
| 25° | 1318.0 | 1326.4 | 1334.9 | 1333.1 | 1328.0 | 1324.7 | 1323.3 | 1323.0 | 1326.3 | 1329.6 | 1326.3 |
| 27.5° | 1276.5 | 1283.6 | 1290.6 | 1289.1 | 1284.8 | 1282.2 | 1281.2 | 1281.1 | 1283.5 | 1285.8 | 1283.5 |
| 30° | 1246.1 | 1253.1 | 1260.2 | 1258.4 | 1253.7 | 1250.9 | 1249.9 | 1249.8 | 1252.2 | 1254.5 | 1252.2 |
| 32.5° | 1213.9 | 1220.6 | 1227.2 | 1224.8 | 1219.4 | 1216.6 | 1216.4 | 1216.9 | 1219.6 | 1222.4 | 1219.6 |
| 35° | 1163.5 | 1169.2 | 1174.8 | 1172.4 | 1167.2 | 1164.8 | 1165.3 | 1166.2 | 1168.6 | 1170.9 | 1168.6 |
| 37.5° | 1113.0 | 1117.3 | 1121.6 | 1119.1 | 1114.3 | 1111.9 | 1111.8 | 1112.2 | 1114.2 | 1116.2 | 1114.2 |
| 40° | 1075.7 | 1080.5 | 1085.2 | 1082.4 | 1077.3 | 1074.5 | 1074.0 | 1074.2 | 1076.6 | 1078.9 | 1076.6 |
| 42.5° | 1037.7 | 1041.2 | 1044.8 | 1042.4 | 1038.0 | 1035.9 | 1036.2 | 1036.7 | 1037.9 | 1039.2 | 1037.9 |
| 45° | 978.4 | 981.7 | 985.0 | 982.7 | 978.4 | 976.3 | 976.3 | 976.6 | 977.5 | 978.4 | 977.5 |
| 47.5° | 916.4 | 919.0 | 921.5 | 919.7 | 916.4 | 914.5 | 913.9 | 913.9 | 915.4 | 916.9 | 915.4 |
| 50° | 871.6 | 874.9 | 878.2 | 876.5 | 873.2 | 871.1 | 870.2 | 870.0 | 871.8 | 873.7 | 871.8 |
| 52.5° | 827.6 | 831.3 | 834.9 | 833.4 | 830.1 | 827.8 | 826.5 | 825.9 | 827.4 | 828.9 | 827.4 |
| 55° | 759.5 | 763.7 | 767.9 | 766.9 | 764.1 | 761.7 | 759.8 | 758.7 | 759.6 | 760.5 | 759.6 |
| 57.5° | 689.9 | 694.0 | 698.2 | 697.4 | 694.9 | 692.6 | 690.3 | 688.9 | 690.3 | 691.6 | 690.3 |
| 60° | 644.2 | 647.9 | 651.7 | 650.5 | 647.7 | 645.4 | 643.5 | 642.3 | 643.2 | 644.2 | 643.2 |
| 62.5° | 597.6 | 601.4 | 605.2 | 603.7 | 600.5 | 598.0 | 596.1 | 594.9 | 595.9 | 596.8 | 595.9 |
| 65° | 526.8 | 530.1 | 533.3 | 532.1 | 529.2 | 526.9 | 525.0 | 523.7 | 524.2 | 524.7 | 524.2 |
| 67.5° | 455.3 | 458.1 | 460.9 | 459.6 | 456.8 | 454.1 | 451.4 | 449.5 | 450.3 | 451.0 | 450.3 |
| 70° | 406.2 | 409.0 | 411.8 | 410.8 | 408.4 | 406.1 | 403.7 | 402.0 | 402.0 | 402.0 | 402.0 |
| 72.5° | 358.8 | 361.2 | 363.7 | 362.3 | 359.5 | 357.2 | 355.2 | 353.7 | 353.7 | 353.7 | 353.7 |
| 75° | 286.7 | 288.1 | 289.5 | 288.8 | 287.4 | 285.5 | 283.1 | 281.2 | 280.8 | 280.3 | 280.8 |
| 77.5° | 217.1 | 217.1 | 217.1 | 215.7 | 213.9 | 212.1 | 210.4 | 208.9 | 208.3 | 207.7 | 208.3 |
| 80° | 171.4 | 171.4 | 171.4 | 170.3 | 168.9 | 167.5 | 166.1 | 164.8 | 163.8 | 162.9 | 163.8 |
| 82.5° | 129.0 | 128.3 | 127.5 | 126.3 | 124.9 | 123.1 | 120.9 | 119.6 | 120.5 | 121.4 | 120.5 |
| 85° | 68.8 | 67.8 | 66.9 | 65.6 | 64.2 | 62.5 | 60.6 | 59.1 | 58.6 | 58.2 | 58.6 |
| 87.5° | 22.0 | 22.4 | 23.0 | 23.1 | 22.9 | 21.8 | 20.3 | 19.4 | 19.3 | 18.9 | 19.3 |
| 90° | 4.2 | 9.9 | 17.0 | 22.6 | 26.9 | 28.3 | 28.3 | 29.7 | 31.1 | 31.1 | 31.1 |
| 92.5° | 15.6 | 24.6 | 24.9 | 24.9 | 30.3 | 32.8 | 35.1 | 35.4 | 36.8 | 36.8 | 36.8 |
| 95° | 43.9 | 48.1 | 72.2 | 70.7 | 48.1 | 38.2 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 |
| 97.5° | 83.8 | 90.0 | 93.9 | 125.9 | 133.0 | 128.5 | 104.7 | 88.0 | 78.7 | 74.4 | 78.7 |
| 100° | 118.8 | 121.7 | 130.2 | 131.6 | 166.9 | 200.9 | 183.9 | 162.7 | 155.6 | 151.4 | 155.6 |
| 102.5° | 153.9 | 155.6 | 168.6 | 174.6 | 182.8 | 202.0 | 260.9 | 254.4 | 249.6 | 248.7 | 249.6 |
| 105° | 206.6 | 208.0 | 232.0 | 243.3 | 249.0 | 249.0 | 247.6 | 275.9 | 321.2 | 331.1 | 321.2 |
| 107.5° | 262.9 | 269.4 | 297.7 | 328.0 | 334.5 | 336.2 | 328.8 | 324.6 | 322.9 | 324.0 | 322.9 |
| 110° | 301.4 | 311.3 | 345.2 | 383.4 | 393.3 | 396.1 | 393.3 | 389.1 | 386.2 | 386.2 | 386.2 |



TEST NUMBER: P1427764

CATALOG NUMBER: SQ2W-F-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 338.7 | 353.1 | 391.6 | 435.5 | 452.2 | 460.7 | 454.4 | 451.3 | 448.5 | 450.8 | 448.5 |
| 115° | 396.1 | 417.4 | 468.3 | 513.6 | 547.5 | 551.8 | 550.4 | 550.4 | 548.9 | 548.9 | 548.9 |
| 117.5° | 449.3 | 483.3 | 540.5 | 593.1 | 632.4 | 643.7 | 649.4 | 647.7 | 646.0 | 648.8 | 646.0 |
| 120° | 486.7 | 526.3 | 591.4 | 650.8 | 689.0 | 706.0 | 711.6 | 708.8 | 711.6 | 708.8 | 711.6 |
| 122.5° | 526.3 | 575.0 | 638.9 | 700.6 | 745.6 | 764.8 | 771.6 | 772.2 | 772.8 | 771.1 | 772.8 |
| 125° | 585.7 | 645.2 | 720.1 | 783.8 | 830.5 | 853.1 | 858.8 | 860.2 | 863.0 | 870.1 | 863.0 |
| 127.5° | 645.7 | 713.1 | 795.4 | 856.8 | 904.6 | 932.1 | 940.8 | 944.0 | 949.9 | 953.0 | 949.9 |
| 130° | 687.6 | 764.0 | 847.5 | 905.5 | 952.2 | 981.9 | 997.4 | 1001.7 | 1008.8 | 1007.3 | 1008.8 |
| 132.5° | 731.7 | 811.5 | 896.1 | 956.4 | 999.7 | 1031.7 | 1045.0 | 1057.1 | 1059.7 | 1061.7 | 1059.7 |
| 135° | 796.5 | 882.8 | 967.7 | 1027.2 | 1068.2 | 1099.3 | 1116.3 | 1127.6 | 1134.7 | 1138.9 | 1134.7 |
| 137.5° | 864.7 | 955.8 | 1037.3 | 1090.3 | 1131.6 | 1158.4 | 1177.7 | 1189.6 | 1196.9 | 1200.3 | 1196.9 |
| 140° | 911.1 | 998.9 | 1078.1 | 1133.3 | 1170.0 | 1196.9 | 1213.9 | 1228.1 | 1236.5 | 1236.5 | 1236.5 |
| 142.5° | 955.3 | 1041.9 | 1118.8 | 1174.0 | 1206.3 | 1230.9 | 1249.0 | 1259.7 | 1269.4 | 1269.4 | 1269.4 |
| 145° | 1017.2 | 1103.6 | 1174.3 | 1229.5 | 1256.4 | 1279.0 | 1298.8 | 1307.3 | 1312.9 | 1312.9 | 1312.9 |
| 147.5° | 1082.0 | 1158.4 | 1223.0 | 1275.9 | 1298.5 | 1325.1 | 1340.7 | 1347.5 | 1354.5 | 1351.4 | 1354.5 |
| 150° | 1120.5 | 1191.3 | 1253.5 | 1303.0 | 1325.7 | 1351.1 | 1366.7 | 1372.4 | 1379.4 | 1375.2 | 1379.4 |
| 152.5° | 1157.9 | 1225.2 | 1281.8 | 1327.9 | 1347.2 | 1372.6 | 1390.5 | 1396.1 | 1400.9 | 1397.8 | 1400.9 |
| 155° | 1208.2 | 1267.7 | 1320.0 | 1362.5 | 1379.4 | 1403.5 | 1420.5 | 1427.5 | 1433.2 | 1426.1 | 1433.2 |
| 157.5° | 1253.2 | 1304.5 | 1350.0 | 1389.1 | 1407.2 | 1427.8 | 1443.7 | 1452.4 | 1458.1 | 1455.0 | 1458.1 |
| 160° | 1280.4 | 1327.1 | 1368.1 | 1404.9 | 1421.9 | 1440.3 | 1457.3 | 1467.2 | 1472.8 | 1468.6 | 1472.8 |
| 162.5° | 1303.0 | 1345.2 | 1384.0 | 1417.4 | 1432.1 | 1448.2 | 1468.6 | 1477.3 | 1483.0 | 1477.6 | 1483.0 |
| 165° | 1335.6 | 1369.5 | 1403.5 | 1431.8 | 1444.5 | 1457.3 | 1478.5 | 1488.4 | 1492.6 | 1487.0 | 1492.6 |
| 167.5° | 1360.2 | 1386.2 | 1413.7 | 1438.0 | 1447.4 | 1459.8 | 1481.0 | 1489.2 | 1494.6 | 1487.5 | 1494.6 |
| 170° | 1373.8 | 1396.4 | 1420.5 | 1440.3 | 1447.4 | 1458.7 | 1479.9 | 1487.0 | 1491.2 | 1484.1 | 1491.2 |
| 172.5° | 1385.1 | 1402.1 | 1421.6 | 1439.1 | 1442.8 | 1451.9 | 1472.0 | 1479.0 | 1482.2 | 1476.2 | 1482.2 |
| 175° | 1396.4 | 1406.3 | 1420.5 | 1431.8 | 1430.4 | 1436.0 | 1453.0 | 1458.7 | 1464.3 | 1455.8 | 1464.3 |
| 177.5° | 1401.8 | 1406.3 | 1410.8 | 1417.6 | 1413.1 | 1413.1 | 1425.6 | 1429.0 | 1430.1 | 1425.6 | 1430.1 |
| 180° | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 |



TEST NUMBER: P1427764

CATALOG NUMBER: SQ2W-F-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1502.0 | 1502.0 | 1502.0 | 1502.0 | 1502.0 | 1502.0 | 1502.0 | 1502.0 | 1502.0 | 1502.0 | 1502.0 |
| 2.5° | 1499.7 | 1498.4 | 1496.9 | 1499.3 | 1505.7 | 1508.7 | 1501.6 | 1494.4 | 1501.6 | 1508.7 | 1505.7 |
| 5° | 1494.7 | 1492.9 | 1491.9 | 1495.2 | 1502.7 | 1506.0 | 1496.6 | 1487.2 | 1496.6 | 1506.0 | 1502.7 |
| 7.5° | 1484.0 | 1481.9 | 1480.8 | 1483.8 | 1491.0 | 1494.0 | 1484.6 | 1475.2 | 1484.6 | 1494.0 | 1491.0 |
| 10° | 1474.4 | 1472.1 | 1470.2 | 1473.0 | 1480.5 | 1483.8 | 1474.4 | 1465.0 | 1474.4 | 1483.8 | 1480.5 |
| 12.5° | 1461.8 | 1459.9 | 1458.8 | 1461.6 | 1468.4 | 1471.1 | 1461.7 | 1452.3 | 1461.7 | 1471.1 | 1468.4 |
| 15° | 1439.5 | 1437.5 | 1436.1 | 1438.7 | 1445.3 | 1447.8 | 1438.4 | 1429.0 | 1438.4 | 1447.8 | 1445.3 |
| 17.5° | 1411.5 | 1409.4 | 1407.8 | 1410.1 | 1416.2 | 1418.6 | 1409.7 | 1400.9 | 1409.7 | 1418.6 | 1416.2 |
| 20° | 1388.6 | 1387.4 | 1387.0 | 1389.8 | 1395.9 | 1398.4 | 1389.9 | 1381.4 | 1389.9 | 1398.4 | 1395.9 |
| 22.5° | 1362.6 | 1362.3 | 1363.4 | 1366.8 | 1372.5 | 1374.7 | 1366.2 | 1357.8 | 1366.2 | 1374.7 | 1372.5 |
| 25° | 1323.0 | 1323.3 | 1324.7 | 1328.0 | 1333.1 | 1334.9 | 1326.4 | 1318.0 | 1326.4 | 1334.9 | 1333.1 |
| 27.5° | 1281.1 | 1281.2 | 1282.2 | 1284.8 | 1289.1 | 1290.6 | 1283.6 | 1276.5 | 1283.6 | 1290.6 | 1289.1 |
| 30° | 1249.8 | 1249.9 | 1250.9 | 1253.7 | 1258.4 | 1260.2 | 1253.1 | 1246.1 | 1253.1 | 1260.2 | 1258.4 |
| 32.5° | 1216.9 | 1216.4 | 1216.6 | 1219.4 | 1224.8 | 1227.2 | 1220.6 | 1213.9 | 1220.6 | 1227.2 | 1224.8 |
| 35° | 1166.2 | 1165.3 | 1164.8 | 1167.2 | 1172.4 | 1174.8 | 1169.2 | 1163.5 | 1169.2 | 1174.8 | 1172.4 |
| 37.5° | 1112.2 | 1111.8 | 1111.9 | 1114.3 | 1119.1 | 1121.6 | 1117.3 | 1113.0 | 1117.3 | 1121.6 | 1119.1 |
| 40° | 1074.2 | 1074.0 | 1074.5 | 1077.3 | 1082.4 | 1085.2 | 1080.5 | 1075.7 | 1080.5 | 1085.2 | 1082.4 |
| 42.5° | 1036.7 | 1036.2 | 1035.9 | 1038.0 | 1042.4 | 1044.8 | 1041.2 | 1037.7 | 1041.2 | 1044.8 | 1042.4 |
| 45° | 976.6 | 976.3 | 976.3 | 978.4 | 982.7 | 985.0 | 981.7 | 978.4 | 981.7 | 985.0 | 982.7 |
| 47.5° | 913.9 | 913.9 | 914.5 | 916.4 | 919.7 | 921.5 | 919.0 | 916.4 | 919.0 | 921.5 | 919.7 |
| 50° | 870.0 | 870.2 | 871.1 | 873.2 | 876.5 | 878.2 | 874.9 | 871.6 | 874.9 | 878.2 | 876.5 |
| 52.5° | 825.9 | 826.5 | 827.8 | 830.1 | 833.4 | 834.9 | 831.3 | 827.6 | 831.3 | 834.9 | 833.4 |
| 55° | 758.7 | 759.8 | 761.7 | 764.1 | 766.9 | 767.9 | 763.7 | 759.5 | 763.7 | 767.9 | 766.9 |
| 57.5° | 688.9 | 690.3 | 692.6 | 694.9 | 697.4 | 698.2 | 694.0 | 689.9 | 694.0 | 698.2 | 697.4 |
| 60° | 642.3 | 643.5 | 645.4 | 647.7 | 650.5 | 651.7 | 647.9 | 644.2 | 647.9 | 651.7 | 650.5 |
| 62.5° | 594.9 | 596.1 | 598.0 | 600.5 | 603.7 | 605.2 | 601.4 | 597.6 | 601.4 | 605.2 | 603.7 |
| 65° | 523.7 | 525.0 | 526.9 | 529.2 | 532.1 | 533.3 | 530.1 | 526.8 | 530.1 | 533.3 | 532.1 |
| 67.5° | 449.5 | 451.4 | 454.1 | 456.8 | 459.6 | 460.9 | 458.1 | 455.3 | 458.1 | 460.9 | 459.6 |
| 70° | 402.0 | 403.7 | 406.1 | 408.4 | 410.8 | 411.8 | 409.0 | 406.2 | 409.0 | 411.8 | 410.8 |
| 72.5° | 353.7 | 355.2 | 357.2 | 359.5 | 362.3 | 363.7 | 361.2 | 358.8 | 361.2 | 363.7 | 362.3 |
| 75° | 281.2 | 283.1 | 285.5 | 287.4 | 288.8 | 289.5 | 288.1 | 286.7 | 288.1 | 289.5 | 288.8 |
| 77.5° | 208.9 | 210.4 | 212.1 | 213.9 | 215.7 | 217.1 | 217.1 | 217.1 | 217.1 | 217.1 | 215.7 |
| 80° | 164.8 | 166.1 | 167.5 | 168.9 | 170.3 | 171.4 | 171.4 | 171.4 | 171.4 | 171.4 | 170.3 |
| 82.5° | 119.6 | 120.9 | 123.1 | 124.9 | 126.3 | 127.5 | 128.3 | 129.0 | 128.3 | 127.5 | 126.3 |
| 85° | 59.1 | 60.6 | 62.5 | 64.2 | 65.6 | 66.9 | 67.8 | 68.8 | 67.8 | 66.9 | 65.6 |
| 87.5° | 19.4 | 20.3 | 21.8 | 22.9 | 23.1 | 23.0 | 22.4 | 22.0 | 22.4 | 22.8 | 23.7 |
| 90° | 29.7 | 28.3 | 28.3 | 26.9 | 22.6 | 17.0 | 9.9 | 4.2 | 9.9 | 15.6 | 25.5 |
| 92.5° | 35.4 | 35.1 | 32.8 | 30.3 | 24.9 | 24.9 | 24.6 | 15.6 | 26.9 | 38.2 | 54.9 |
| 95° | 32.5 | 32.5 | 38.2 | 48.1 | 70.7 | 72.2 | 48.1 | 43.9 | 62.3 | 87.7 | 110.4 |
| 97.5° | 88.0 | 104.7 | 128.5 | 133.0 | 125.9 | 93.9 | 90.0 | 83.8 | 114.0 | 139.2 | 175.7 |
| 100° | 162.7 | 183.9 | 200.9 | 166.9 | 131.6 | 130.2 | 121.7 | 118.8 | 151.4 | 175.4 | 210.8 |
| 102.5° | 254.4 | 260.9 | 202.0 | 182.8 | 174.6 | 168.6 | 155.6 | 153.9 | 186.5 | 219.6 | 249.3 |
| 105° | 275.9 | 247.6 | 249.0 | 249.0 | 243.3 | 232.0 | 208.0 | 206.6 | 243.3 | 281.5 | 318.3 |
| 107.5° | 324.6 | 328.8 | 336.2 | 334.5 | 328.0 | 297.7 | 269.4 | 262.9 | 296.0 | 341.8 | 382.3 |
| 110° | 389.1 | 393.3 | 396.1 | 393.3 | 383.4 | 345.2 | 311.3 | 301.4 | 331.1 | 379.2 | 423.0 |



TEST NUMBER: P1427764

CATALOG NUMBER: SQ2W-F-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 451.3 | 454.4 | 460.7 | 452.2 | 435.5 | 391.6 | 353.1 | 338.7 | 368.4 | 417.7 | 462.6 |
| 115° | 550.4 | 550.4 | 551.8 | 547.5 | 513.6 | 468.3 | 417.4 | 396.1 | 421.6 | 466.9 | 516.4 |
| 117.5° | 647.7 | 649.4 | 643.7 | 632.4 | 593.1 | 540.5 | 483.3 | 449.3 | 469.4 | 517.3 | 568.2 |
| 120° | 708.8 | 711.6 | 706.0 | 689.0 | 650.8 | 591.4 | 526.3 | 486.7 | 502.3 | 548.9 | 599.9 |
| 122.5° | 772.2 | 771.6 | 764.8 | 745.6 | 700.6 | 638.9 | 575.0 | 526.3 | 532.8 | 576.1 | 625.9 |
| 125° | 860.2 | 858.8 | 853.1 | 830.5 | 783.8 | 720.1 | 645.2 | 585.7 | 577.2 | 614.0 | 665.0 |
| 127.5° | 944.0 | 940.8 | 932.1 | 904.6 | 856.8 | 795.4 | 713.1 | 645.7 | 626.8 | 650.0 | 696.7 |
| 130° | 1001.7 | 997.4 | 981.9 | 952.2 | 905.5 | 847.5 | 764.0 | 687.6 | 660.7 | 674.9 | 715.9 |
| 132.5° | 1057.1 | 1045.0 | 1031.7 | 999.7 | 956.4 | 896.1 | 811.5 | 731.7 | 694.7 | 700.9 | 732.9 |
| 135° | 1127.6 | 1116.3 | 1099.3 | 1068.2 | 1027.2 | 967.7 | 882.8 | 796.5 | 745.6 | 739.9 | 758.3 |
| 137.5° | 1189.6 | 1177.7 | 1158.4 | 1131.6 | 1090.3 | 1037.3 | 955.8 | 864.7 | 800.5 | 781.5 | 788.6 |
| 140° | 1228.1 | 1213.9 | 1196.9 | 1170.0 | 1133.3 | 1078.1 | 998.9 | 911.1 | 839.0 | 812.1 | 807.9 |
| 142.5° | 1259.7 | 1249.0 | 1230.9 | 1206.3 | 1174.0 | 1118.8 | 1041.9 | 955.3 | 878.6 | 843.8 | 833.9 |
| 145° | 1307.3 | 1298.8 | 1279.0 | 1256.4 | 1229.5 | 1174.3 | 1103.6 | 1017.2 | 940.8 | 895.6 | 874.4 |
| 147.5° | 1347.5 | 1340.7 | 1325.1 | 1298.5 | 1275.9 | 1223.0 | 1158.4 | 1082.0 | 1003.7 | 947.6 | 920.2 |
| 150° | 1372.4 | 1366.7 | 1351.1 | 1325.7 | 1303.0 | 1253.5 | 1191.3 | 1120.5 | 1045.5 | 986.1 | 950.8 |
| 152.5° | 1396.1 | 1390.5 | 1372.6 | 1347.2 | 1327.9 | 1281.8 | 1225.2 | 1157.9 | 1081.8 | 1022.3 | 985.8 |
| 155° | 1427.5 | 1420.5 | 1403.5 | 1379.4 | 1362.5 | 1320.0 | 1267.7 | 1208.2 | 1143.2 | 1080.9 | 1039.9 |
| 157.5° | 1452.4 | 1443.7 | 1427.8 | 1407.2 | 1389.1 | 1350.0 | 1304.5 | 1253.2 | 1196.4 | 1136.9 | 1095.1 |
| 160° | 1467.2 | 1457.3 | 1440.3 | 1421.9 | 1404.9 | 1368.1 | 1327.1 | 1280.4 | 1228.1 | 1174.3 | 1129.0 |
| 162.5° | 1477.3 | 1468.6 | 1448.2 | 1432.1 | 1417.4 | 1384.0 | 1345.2 | 1303.0 | 1256.4 | 1209.4 | 1167.5 |
| 165° | 1488.4 | 1478.5 | 1457.3 | 1444.5 | 1431.8 | 1403.5 | 1369.5 | 1335.6 | 1296.0 | 1257.8 | 1223.8 |
| 167.5° | 1489.2 | 1481.0 | 1459.8 | 1447.4 | 1438.0 | 1413.7 | 1386.2 | 1360.2 | 1329.4 | 1299.4 | 1271.1 |
| 170° | 1487.0 | 1479.9 | 1458.7 | 1447.4 | 1440.3 | 1420.5 | 1396.4 | 1373.8 | 1349.7 | 1324.3 | 1301.6 |
| 172.5° | 1479.0 | 1472.0 | 1451.9 | 1442.8 | 1439.1 | 1421.6 | 1402.1 | 1385.1 | 1364.4 | 1345.8 | 1327.7 |
| 175° | 1458.7 | 1453.0 | 1436.0 | 1430.4 | 1431.8 | 1420.5 | 1406.3 | 1396.4 | 1383.7 | 1372.4 | 1362.5 |
| 177.5° | 1429.0 | 1425.6 | 1413.1 | 1413.1 | 1417.6 | 1410.8 | 1406.3 | 1401.8 | 1396.1 | 1392.7 | 1389.3 |
| 180° | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 |



TEST NUMBER: P1427764

CATALOG NUMBER: SQ2W-F-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1502.0 | 1502.0 | 1502.0 | 1502.0 | 1502.0 | 1502.0 | 1502.0 | 1502.0 | 1502.0 | 1502.0 | 1502.0 |
| 2.5° | 1499.3 | 1496.9 | 1498.4 | 1499.7 | 1500.4 | 1501.2 | 1500.4 | 1499.7 | 1498.4 | 1496.9 | 1499.3 |
| 5° | 1495.2 | 1491.9 | 1492.9 | 1494.7 | 1499.4 | 1504.1 | 1499.4 | 1494.7 | 1492.9 | 1491.9 | 1495.2 |
| 7.5° | 1483.8 | 1480.8 | 1481.9 | 1484.0 | 1488.9 | 1493.8 | 1488.9 | 1484.0 | 1481.9 | 1480.8 | 1483.8 |
| 10° | 1473.0 | 1470.2 | 1472.1 | 1474.4 | 1478.2 | 1481.9 | 1478.2 | 1474.4 | 1472.1 | 1470.2 | 1473.0 |
| 12.5° | 1461.6 | 1458.8 | 1459.9 | 1461.8 | 1465.9 | 1470.1 | 1465.9 | 1461.8 | 1459.9 | 1458.8 | 1461.6 |
| 15° | 1438.7 | 1436.1 | 1437.5 | 1439.5 | 1443.3 | 1447.0 | 1443.3 | 1439.5 | 1437.5 | 1436.1 | 1438.7 |
| 17.5° | 1410.1 | 1407.8 | 1409.4 | 1411.5 | 1414.8 | 1418.0 | 1414.8 | 1411.5 | 1409.4 | 1407.8 | 1410.1 |
| 20° | 1389.8 | 1387.0 | 1387.4 | 1388.6 | 1391.9 | 1395.2 | 1391.9 | 1388.6 | 1387.4 | 1387.0 | 1389.8 |
| 22.5° | 1366.8 | 1363.4 | 1362.3 | 1362.6 | 1366.6 | 1370.7 | 1366.6 | 1362.6 | 1362.3 | 1363.4 | 1366.8 |
| 25° | 1328.0 | 1324.7 | 1323.3 | 1323.0 | 1326.3 | 1329.6 | 1326.3 | 1323.0 | 1323.3 | 1324.7 | 1328.0 |
| 27.5° | 1284.8 | 1282.2 | 1281.2 | 1281.1 | 1283.5 | 1285.8 | 1283.5 | 1281.1 | 1281.2 | 1282.2 | 1284.8 |
| 30° | 1253.7 | 1250.9 | 1249.9 | 1249.8 | 1252.2 | 1254.5 | 1252.2 | 1249.8 | 1249.9 | 1250.9 | 1253.7 |
| 32.5° | 1219.4 | 1216.6 | 1216.4 | 1216.9 | 1219.6 | 1222.4 | 1219.6 | 1216.9 | 1216.4 | 1216.6 | 1219.4 |
| 35° | 1167.2 | 1164.8 | 1165.3 | 1166.2 | 1168.6 | 1170.9 | 1168.6 | 1166.2 | 1165.3 | 1164.8 | 1167.2 |
| 37.5° | 1114.3 | 1111.9 | 1111.8 | 1112.2 | 1114.2 | 1116.2 | 1114.2 | 1112.2 | 1111.8 | 1111.9 | 1114.3 |
| 40° | 1077.3 | 1074.5 | 1074.0 | 1074.2 | 1076.6 | 1078.9 | 1076.6 | 1074.2 | 1074.0 | 1074.5 | 1077.3 |
| 42.5° | 1038.0 | 1035.9 | 1036.2 | 1036.7 | 1037.9 | 1039.2 | 1037.9 | 1036.7 | 1036.2 | 1035.9 | 1038.0 |
| 45° | 978.4 | 976.3 | 976.3 | 976.6 | 977.5 | 978.4 | 977.5 | 976.6 | 976.3 | 976.3 | 978.4 |
| 47.5° | 916.4 | 914.5 | 913.9 | 913.9 | 915.4 | 916.9 | 915.4 | 913.9 | 913.9 | 914.5 | 916.4 |
| 50° | 873.2 | 871.1 | 870.2 | 870.0 | 871.8 | 873.7 | 871.8 | 870.0 | 870.2 | 871.1 | 873.2 |
| 52.5° | 830.1 | 827.8 | 826.5 | 825.9 | 827.4 | 828.9 | 827.4 | 825.9 | 826.5 | 827.8 | 830.1 |
| 55° | 764.1 | 761.7 | 759.8 | 758.7 | 759.6 | 760.5 | 759.6 | 758.7 | 759.8 | 761.7 | 764.1 |
| 57.5° | 694.9 | 692.6 | 690.3 | 688.9 | 690.3 | 691.6 | 690.3 | 688.9 | 690.3 | 692.6 | 694.9 |
| 60° | 647.7 | 645.4 | 643.5 | 642.3 | 643.2 | 644.2 | 643.2 | 642.3 | 643.5 | 645.4 | 647.7 |
| 62.5° | 600.5 | 598.0 | 596.1 | 594.9 | 595.9 | 596.8 | 595.9 | 594.9 | 596.1 | 598.0 | 600.5 |
| 65° | 529.2 | 526.9 | 525.0 | 523.7 | 524.2 | 524.7 | 524.2 | 523.7 | 525.0 | 526.9 | 529.2 |
| 67.5° | 456.8 | 454.1 | 451.4 | 449.5 | 450.3 | 451.0 | 450.3 | 449.5 | 451.4 | 454.1 | 456.8 |
| 70° | 408.4 | 406.1 | 403.7 | 402.0 | 402.0 | 402.0 | 402.0 | 402.0 | 403.7 | 406.1 | 408.4 |
| 72.5° | 359.5 | 357.2 | 355.2 | 353.7 | 353.7 | 353.7 | 353.7 | 353.7 | 355.2 | 357.2 | 359.5 |
| 75° | 287.4 | 285.5 | 283.1 | 281.2 | 280.8 | 280.3 | 280.8 | 281.2 | 283.1 | 285.5 | 287.4 |
| 77.5° | 213.9 | 212.1 | 210.4 | 208.9 | 208.3 | 207.7 | 208.3 | 208.9 | 210.4 | 212.1 | 213.9 |
| 80° | 168.9 | 167.5 | 166.1 | 164.8 | 163.8 | 162.9 | 163.8 | 164.8 | 166.1 | 167.5 | 168.9 |
| 82.5° | 124.9 | 123.1 | 120.9 | 119.6 | 120.5 | 121.4 | 120.5 | 119.6 | 120.9 | 123.1 | 124.9 |
| 85° | 64.2 | 62.5 | 60.6 | 59.1 | 58.6 | 58.2 | 58.6 | 59.1 | 60.6 | 62.5 | 64.2 |
| 87.5° | 24.0 | 24.7 | 25.1 | 25.0 | 25.8 | 24.9 | 25.8 | 25.0 | 25.1 | 24.7 | 24.0 |
| 90° | 32.5 | 42.4 | 52.3 | 58.0 | 63.7 | 60.8 | 63.7 | 58.0 | 52.3 | 42.4 | 32.5 |
| 92.5° | 65.4 | 82.1 | 94.2 | 104.4 | 108.9 | 108.4 | 108.9 | 104.4 | 94.2 | 82.1 | 65.4 |
| 95° | 131.6 | 151.4 | 171.2 | 185.3 | 193.8 | 191.0 | 193.8 | 185.3 | 171.2 | 151.4 | 131.6 |
| 97.5° | 202.9 | 229.5 | 251.6 | 264.9 | 273.3 | 279.0 | 273.3 | 264.9 | 251.6 | 229.5 | 202.9 |
| 100° | 250.4 | 275.9 | 301.4 | 316.9 | 331.1 | 336.7 | 331.1 | 316.9 | 301.4 | 275.9 | 250.4 |
| 102.5° | 288.9 | 322.3 | 350.0 | 366.7 | 378.6 | 384.3 | 378.6 | 366.7 | 350.0 | 322.3 | 288.9 |
| 105° | 352.3 | 387.7 | 417.4 | 438.6 | 451.3 | 455.6 | 451.3 | 438.6 | 417.4 | 387.7 | 352.3 |
| 107.5° | 415.7 | 452.2 | 479.6 | 503.1 | 518.7 | 527.7 | 518.7 | 503.1 | 479.6 | 452.2 | 415.7 |
| 110° | 465.5 | 495.2 | 524.9 | 546.1 | 561.7 | 567.3 | 561.7 | 546.1 | 524.9 | 495.2 | 465.5 |



TEST NUMBER: P1427764

CATALOG NUMBER: SQ2W-F-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 507.4 | 540.5 | 570.2 | 591.4 | 609.2 | 617.1 | 609.2 | 591.4 | 570.2 | 540.5 | 507.4 |
| 115° | 565.9 | 609.8 | 636.7 | 656.5 | 669.2 | 676.3 | 669.2 | 656.5 | 636.7 | 609.8 | 565.9 |
| 117.5° | 614.6 | 660.4 | 689.9 | 705.1 | 711.1 | 716.2 | 711.1 | 705.1 | 689.9 | 660.4 | 614.6 |
| 120° | 645.2 | 687.6 | 721.6 | 741.4 | 748.4 | 751.3 | 748.4 | 741.4 | 721.6 | 687.6 | 645.2 |
| 122.5° | 673.4 | 713.6 | 746.5 | 770.8 | 782.4 | 785.2 | 782.4 | 770.8 | 746.5 | 713.6 | 673.4 |
| 125° | 713.1 | 751.3 | 785.2 | 809.3 | 822.0 | 829.1 | 822.0 | 809.3 | 785.2 | 751.3 | 713.1 |
| 127.5° | 747.6 | 788.9 | 820.0 | 841.8 | 854.3 | 859.9 | 854.3 | 841.8 | 820.0 | 788.9 | 747.6 |
| 130° | 766.8 | 809.3 | 840.4 | 864.4 | 875.8 | 881.4 | 875.8 | 864.4 | 840.4 | 809.3 | 766.8 |
| 132.5° | 781.5 | 826.2 | 858.5 | 880.3 | 892.7 | 898.4 | 892.7 | 880.3 | 858.5 | 826.2 | 781.5 |
| 135° | 799.4 | 846.1 | 880.0 | 901.2 | 912.6 | 918.2 | 912.6 | 901.2 | 880.0 | 846.1 | 799.4 |
| 137.5° | 814.9 | 857.4 | 892.7 | 915.1 | 925.3 | 929.0 | 925.3 | 915.1 | 892.7 | 857.4 | 814.9 |
| 140° | 826.2 | 863.0 | 898.4 | 919.6 | 930.9 | 932.4 | 930.9 | 919.6 | 898.4 | 863.0 | 826.2 |
| 142.5° | 841.0 | 869.8 | 900.7 | 921.9 | 933.2 | 935.8 | 933.2 | 921.9 | 900.7 | 869.8 | 841.0 |
| 145° | 867.3 | 884.3 | 905.5 | 925.3 | 935.2 | 938.0 | 935.2 | 925.3 | 905.5 | 884.3 | 867.3 |
| 147.5° | 900.4 | 905.8 | 916.8 | 929.8 | 939.4 | 941.4 | 939.4 | 929.8 | 916.8 | 905.8 | 900.4 |
| 150° | 925.3 | 923.9 | 928.1 | 936.6 | 945.1 | 943.7 | 945.1 | 936.6 | 928.1 | 923.9 | 925.3 |
| 152.5° | 953.6 | 945.4 | 945.1 | 949.1 | 953.0 | 952.7 | 953.0 | 949.1 | 945.1 | 945.4 | 953.6 |
| 155° | 1001.7 | 986.1 | 977.6 | 974.8 | 974.8 | 973.4 | 974.8 | 974.8 | 977.6 | 986.1 | 1001.7 |
| 157.5° | 1054.6 | 1032.8 | 1020.1 | 1013.3 | 1011.3 | 1008.2 | 1011.3 | 1013.3 | 1020.1 | 1032.8 | 1054.6 |
| 160° | 1090.8 | 1066.8 | 1054.0 | 1042.7 | 1038.5 | 1034.2 | 1038.5 | 1042.7 | 1054.0 | 1066.8 | 1090.8 |
| 162.5° | 1124.8 | 1101.9 | 1088.0 | 1077.8 | 1073.6 | 1067.1 | 1073.6 | 1077.8 | 1088.0 | 1101.9 | 1124.8 |
| 165° | 1180.0 | 1155.9 | 1140.3 | 1131.8 | 1126.2 | 1120.5 | 1126.2 | 1131.8 | 1140.3 | 1155.9 | 1180.0 |
| 167.5° | 1235.1 | 1208.8 | 1198.6 | 1189.0 | 1183.6 | 1173.4 | 1183.6 | 1189.0 | 1198.6 | 1208.8 | 1235.1 |
| 170° | 1269.1 | 1245.0 | 1239.4 | 1230.9 | 1221.0 | 1209.7 | 1221.0 | 1230.9 | 1239.4 | 1245.0 | 1269.1 |
| 172.5° | 1298.5 | 1282.4 | 1276.7 | 1268.2 | 1265.1 | 1256.1 | 1265.1 | 1268.2 | 1276.7 | 1282.4 | 1298.5 |
| 175° | 1341.2 | 1328.5 | 1328.5 | 1327.1 | 1322.8 | 1314.4 | 1322.8 | 1327.1 | 1328.5 | 1328.5 | 1341.2 |
| 177.5° | 1376.9 | 1370.1 | 1374.6 | 1374.6 | 1373.5 | 1365.6 | 1373.5 | 1374.6 | 1374.6 | 1370.1 | 1376.9 |
| 180° | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 |



TEST NUMBER: P1427764

CATALOG NUMBER: SQ2W-F-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|
| 0° | 1502.0 | 1502.0 | 1502.0 | 1502.0 |
| 2.5° | 1505.7 | 1508.7 | 1501.6 | 1494.4 |
| 5° | 1502.7 | 1506.0 | 1496.6 | 1487.2 |
| 7.5° | 1491.0 | 1494.0 | 1484.6 | 1475.2 |
| 10° | 1480.5 | 1483.8 | 1474.4 | 1465.0 |
| 12.5° | 1468.4 | 1471.1 | 1461.7 | 1452.3 |
| 15° | 1445.3 | 1447.8 | 1438.4 | 1429.0 |
| 17.5° | 1416.2 | 1418.6 | 1409.7 | 1400.9 |
| 20° | 1395.9 | 1398.4 | 1389.9 | 1381.4 |
| 22.5° | 1372.5 | 1374.7 | 1366.2 | 1357.8 |
| 25° | 1333.1 | 1334.9 | 1326.4 | 1318.0 |
| 27.5° | 1289.1 | 1290.6 | 1283.6 | 1276.5 |
| 30° | 1258.4 | 1260.2 | 1253.1 | 1246.1 |
| 32.5° | 1224.8 | 1227.2 | 1220.6 | 1213.9 |
| 35° | 1172.4 | 1174.8 | 1169.2 | 1163.5 |
| 37.5° | 1119.1 | 1121.6 | 1117.3 | 1113.0 |
| 40° | 1082.4 | 1085.2 | 1080.5 | 1075.7 |
| 42.5° | 1042.4 | 1044.8 | 1041.2 | 1037.7 |
| 45° | 982.7 | 985.0 | 981.7 | 978.4 |
| 47.5° | 919.7 | 921.5 | 919.0 | 916.4 |
| 50° | 876.5 | 878.2 | 874.9 | 871.6 |
| 52.5° | 833.4 | 834.9 | 831.3 | 827.6 |
| 55° | 766.9 | 767.9 | 763.7 | 759.5 |
| 57.5° | 697.4 | 698.2 | 694.0 | 689.9 |
| 60° | 650.5 | 651.7 | 647.9 | 644.2 |
| 62.5° | 603.7 | 605.2 | 601.4 | 597.6 |
| 65° | 532.1 | 533.3 | 530.1 | 526.8 |
| 67.5° | 459.6 | 460.9 | 458.1 | 455.3 |
| 70° | 410.8 | 411.8 | 409.0 | 406.2 |
| 72.5° | 362.3 | 363.7 | 361.2 | 358.8 |
| 75° | 288.8 | 289.5 | 288.1 | 286.7 |
| 77.5° | 215.7 | 217.1 | 217.1 | 217.1 |
| 80° | 170.3 | 171.4 | 171.4 | 171.4 |
| 82.5° | 126.3 | 127.5 | 128.3 | 129.0 |
| 85° | 65.6 | 66.9 | 67.8 | 68.8 |
| 87.5° | 23.7 | 22.8 | 22.4 | 22.0 |
| 90° | 25.5 | 15.6 | 9.9 | 4.2 |
| 92.5° | 54.9 | 38.2 | 26.9 | 15.6 |
| 95° | 110.4 | 87.7 | 62.3 | 43.9 |
| 97.5° | 175.7 | 139.2 | 114.0 | 83.8 |
| 100° | 210.8 | 175.4 | 151.4 | 118.8 |
| 102.5° | 249.3 | 219.6 | 186.5 | 153.9 |
| 105° | 318.3 | 281.5 | 243.3 | 206.6 |
| 107.5° | 382.3 | 341.8 | 296.0 | 262.9 |
| 110° | 423.0 | 379.2 | 331.1 | 301.4 |



TEST NUMBER: P1427764

CATALOG NUMBER: SQ2W-F-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|
| 112.5° | 462.6 | 417.7 | 368.4 | 338.7 |
| 115° | 516.4 | 466.9 | 421.6 | 396.1 |
| 117.5° | 568.2 | 517.3 | 469.4 | 449.3 |
| 120° | 599.9 | 548.9 | 502.3 | 486.7 |
| 122.5° | 625.9 | 576.1 | 532.8 | 526.3 |
| 125° | 665.0 | 614.0 | 577.2 | 585.7 |
| 127.5° | 696.7 | 650.0 | 626.8 | 645.7 |
| 130° | 715.9 | 674.9 | 660.7 | 687.6 |
| 132.5° | 732.9 | 700.9 | 694.7 | 731.7 |
| 135° | 758.3 | 739.9 | 745.6 | 796.5 |
| 137.5° | 788.6 | 781.5 | 800.5 | 864.7 |
| 140° | 807.9 | 812.1 | 839.0 | 911.1 |
| 142.5° | 833.9 | 843.8 | 878.6 | 955.3 |
| 145° | 874.4 | 895.6 | 940.8 | 1017.2 |
| 147.5° | 920.2 | 947.6 | 1003.7 | 1082.0 |
| 150° | 950.8 | 986.1 | 1045.5 | 1120.5 |
| 152.5° | 985.8 | 1022.3 | 1081.8 | 1157.9 |
| 155° | 1039.9 | 1080.9 | 1143.2 | 1208.2 |
| 157.5° | 1095.1 | 1136.9 | 1196.4 | 1253.2 |
| 160° | 1129.0 | 1174.3 | 1228.1 | 1280.4 |
| 162.5° | 1167.5 | 1209.4 | 1256.4 | 1303.0 |
| 165° | 1223.8 | 1257.8 | 1296.0 | 1335.6 |
| 167.5° | 1271.1 | 1299.4 | 1329.4 | 1360.2 |
| 170° | 1301.6 | 1324.3 | 1349.7 | 1373.8 |
| 172.5° | 1327.7 | 1345.8 | 1364.4 | 1385.1 |
| 175° | 1362.5 | 1372.4 | 1383.7 | 1396.4 |
| 177.5° | 1389.3 | 1392.7 | 1396.1 | 1401.8 |
| 180° | 1400.7 | 1400.7 | 1400.7 | 1400.7 |



TEST NUMBER: P1427764
 CATALOG NUMBER: SQ2W-F-K-100U-100D-L940-UNV-STD-W-WM-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 | 19.02 | 19.90 | 19.97 | 20.86 | 22.12 | 18.93 | 19.81 | 19.88 | 20.78 | 22.04 |
| | 3H | 20.81 | 21.60 | 21.77 | 22.58 | 23.86 | 20.71 | 21.50 | 21.67 | 22.47 | 23.75 |
| | 4H | 21.51 | 22.26 | 22.48 | 23.23 | 24.52 | 21.39 | 22.14 | 22.36 | 23.12 | 24.41 |
| | 6H | 21.95 | 22.64 | 22.93 | 23.62 | 24.92 | 21.80 | 22.49 | 22.79 | 23.48 | 24.78 |
| | 8H | 22.11 | 22.76 | 23.10 | 23.76 | 25.06 | 21.95 | 22.61 | 22.94 | 23.61 | 24.91 |
| | 12H | 22.19 | 22.82 | 23.19 | 23.81 | 25.14 | 22.01 | 22.64 | 23.01 | 23.63 | 24.96 |
| 4H | 2H | 19.60 | 20.35 | 20.58 | 21.33 | 22.62 | 19.53 | 20.28 | 20.51 | 21.26 | 22.55 |
| | 3H | 21.62 | 22.25 | 22.61 | 23.26 | 24.56 | 21.53 | 22.16 | 22.52 | 23.16 | 24.47 |
| | 4H | 22.44 | 23.01 | 23.44 | 24.01 | 25.34 | 22.33 | 22.90 | 23.32 | 23.90 | 25.23 |
| | 6H | 22.99 | 23.49 | 24.00 | 24.51 | 25.84 | 22.85 | 23.35 | 23.86 | 24.37 | 25.69 |
| | 8H | 23.21 | 23.67 | 24.22 | 24.69 | 26.03 | 23.05 | 23.51 | 24.06 | 24.53 | 25.87 |
| | 12H | 23.32 | 23.74 | 24.35 | 24.77 | 26.12 | 23.14 | 23.55 | 24.17 | 24.59 | 25.93 |
| 8H | 4H | 22.69 | 23.15 | 23.69 | 24.16 | 25.50 | 22.59 | 23.05 | 23.60 | 24.07 | 25.41 |
| | 6H | 23.38 | 23.76 | 24.41 | 24.82 | 26.15 | 23.24 | 23.63 | 24.28 | 24.69 | 26.02 |
| | 8H | 23.68 | 24.02 | 24.72 | 25.06 | 26.42 | 23.52 | 23.86 | 24.57 | 24.91 | 26.26 |
| | 12H | 23.86 | 24.16 | 24.91 | 25.20 | 26.60 | 23.67 | 23.97 | 24.72 | 25.01 | 26.41 |
| 12H | 4H | 22.68 | 23.10 | 23.71 | 24.13 | 25.48 | 22.59 | 23.00 | 23.62 | 24.04 | 25.38 |
| | 6H | 23.43 | 23.76 | 24.47 | 24.81 | 26.16 | 23.30 | 23.64 | 24.34 | 24.68 | 26.04 |
| | 8H | 23.76 | 24.06 | 24.81 | 25.10 | 26.50 | 23.61 | 23.91 | 24.66 | 24.95 | 26.34 |