

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: P1435825

Luminaire Tested: SQ2W-FA-K-100U-100D-L840-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435825
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2502-345-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FA-K-100U-100D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

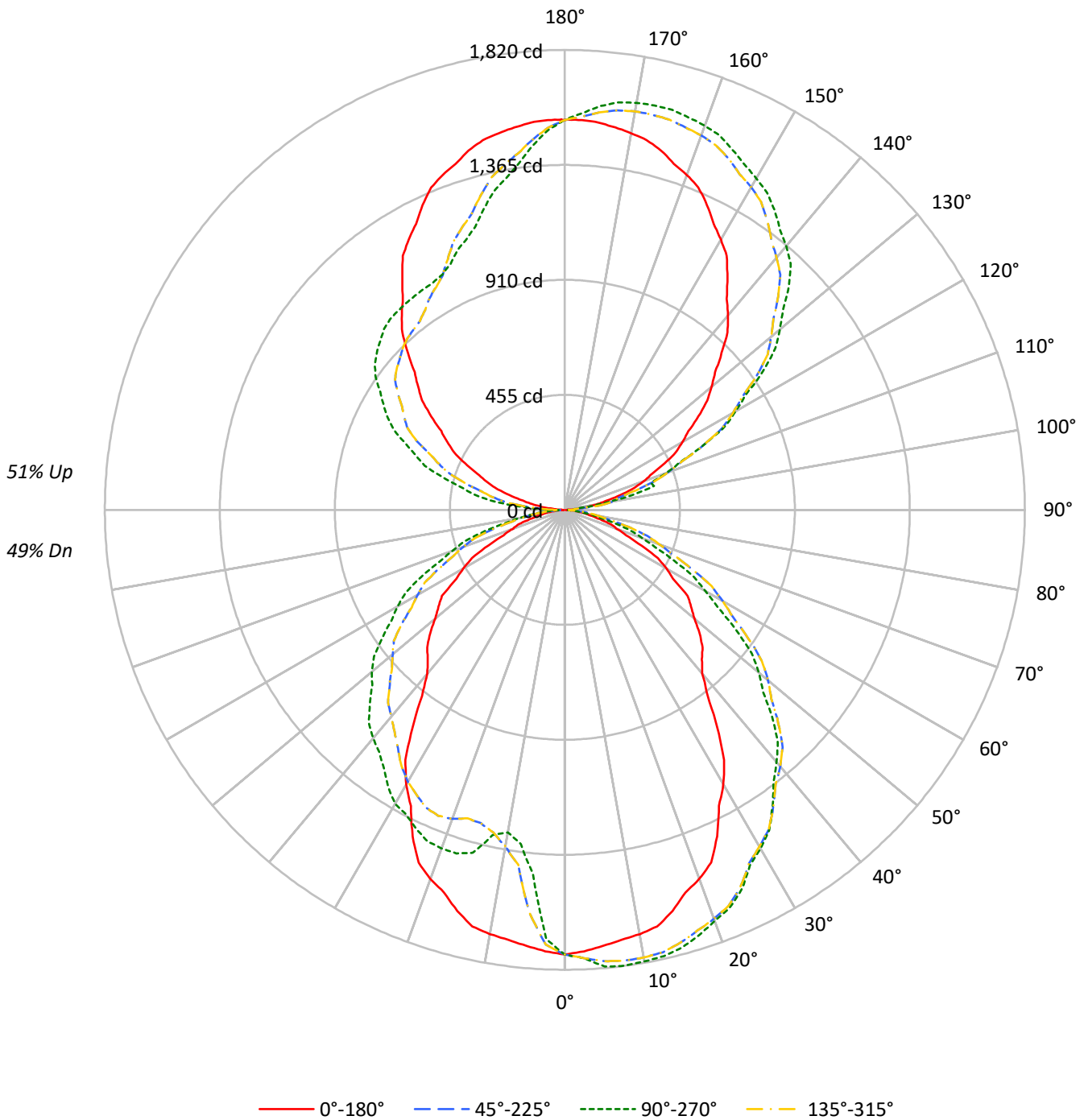
Lumens per Lamp: N/A
Luminaire Lumens: 8881.8 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 70.7
Input Voltage (V): 120
Input Current (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: P1435825

CATALOG NUMBER: SQ2W-FA-K-100U-100D-L840-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1435825

CATALOG NUMBER: SQ2W-FA-K-100U-100D-L840-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 | 83 | 83 | 83 | 69 | 69 | 69 | 55 | 55 | 55 | 49 |
| 1 | 98 | 93 | 90 | 86 | 90 | 86 | 83 | 80 | 73 | 71 | 68 | 61 | 59 | 57 | 49 | 48 | 47 | 42 |
| 2 | 89 | 82 | 76 | 70 | 82 | 75 | 70 | 66 | 64 | 60 | 57 | 53 | 50 | 48 | 43 | 41 | 40 | 35 |
| 3 | 81 | 72 | 64 | 59 | 75 | 66 | 60 | 55 | 56 | 52 | 48 | 47 | 44 | 41 | 38 | 36 | 34 | 30 |
| 4 | 74 | 64 | 56 | 50 | 68 | 59 | 52 | 47 | 50 | 45 | 41 | 42 | 38 | 35 | 34 | 31 | 29 | 25 |
| 5 | 68 | 57 | 48 | 42 | 63 | 52 | 45 | 40 | 45 | 39 | 35 | 38 | 33 | 30 | 31 | 28 | 25 | 22 |
| 6 | 63 | 51 | 43 | 37 | 58 | 47 | 40 | 35 | 40 | 35 | 30 | 34 | 30 | 26 | 28 | 25 | 22 | 19 |
| 7 | 58 | 46 | 38 | 32 | 53 | 43 | 35 | 30 | 37 | 31 | 27 | 31 | 27 | 23 | 26 | 22 | 20 | 17 |
| 8 | 54 | 42 | 34 | 28 | 50 | 39 | 32 | 27 | 33 | 28 | 24 | 28 | 24 | 21 | 23 | 20 | 18 | 15 |
| 9 | 50 | 38 | 30 | 25 | 46 | 35 | 29 | 24 | 30 | 25 | 21 | 26 | 22 | 19 | 22 | 18 | 16 | 14 |
| 10 | 47 | 35 | 28 | 23 | 43 | 32 | 26 | 22 | 28 | 23 | 19 | 24 | 20 | 17 | 20 | 17 | 14 | 13 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 28408 | 28408 | 28408 | 28408 |
| 5° | 28074 | 29402 | 28074 | 23432 |
| 10° | 27951 | 29741 | 27951 | 21244 |
| 15° | 27473 | 29980 | 27473 | 23483 |
| 20° | 26716 | 29762 | 26716 | 24489 |
| 25° | 25391 | 29522 | 25391 | 24784 |
| 30° | 23394 | 28862 | 23394 | 25047 |
| 35° | 20700 | 28229 | 20700 | 24598 |
| 40° | 17824 | 27454 | 17824 | 24866 |
| 45° | 17595 | 26473 | 17595 | 24916 |
| 50° | 16786 | 25181 | 16786 | 25010 |
| 55° | 16701 | 23228 | 16701 | 24763 |
| 60° | 14973 | 20702 | 14973 | 24664 |
| 65° | 12768 | 18238 | 12768 | 23969 |
| 70° | 10300 | 15451 | 10300 | 22215 |
| 75° | 8933 | 12763 | 8933 | 20418 |
| 80° | 7606 | 9512 | 7606 | 16485 |
| 85° | 5057 | 5057 | 5057 | 10115 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 27302 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 158.3 | 1.8 |
| 10°-20° | 442.4 | 5.0 |
| 20°-30° | 671.8 | 7.6 |
| 30°-40° | 788.7 | 8.9 |
| 40°-50° | 800.4 | 9.0 |
| 50°-60° | 701.1 | 7.9 |
| 60°-70° | 497.3 | 5.6 |
| 70°-80° | 256.0 | 2.9 |
| 80°-90° | 60.1 | 0.7 |
| 90°-100° | 122.8 | 1.4 |
| 100°-110° | 358.2 | 4.0 |
| 110°-120° | 584.5 | 6.6 |
| 120°-130° | 741.7 | 8.4 |
| 130°-140° | 793.6 | 8.9 |
| 140°-150° | 741.1 | 8.3 |
| 150°-160° | 609.8 | 6.9 |
| 160°-170° | 409.0 | 4.6 |
| 170°-180° | 145.2 | 1.6 |
| 0°-30° | 1272.5 | 14.3 |
| 0°-40° | 2061.2 | 23.2 |
| 0°-60° | 3562.6 | 40.1 |
| 0°-90° | 4376.0 | 49.3 |
| 90°-120° | 1065.5 | 12.0 |
| 90°-150° | 3341.8 | 37.6 |
| 90°-180° | 4506.0 | 50.7 |
| 0°-180° | 8881.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1760 | 1760 | 1760 | 1760 | 1760 | |
| 5° | 1732 | 1814 | 1732 | 1446 | 1732 | 164 |
| 15° | 1644 | 1794 | 1644 | 1405 | 1644 | 462 |
| 25° | 1425 | 1657 | 1425 | 1391 | 1425 | 651 |
| 35° | 1050 | 1432 | 1050 | 1248 | 1050 | 654 |
| 45° | 771 | 1159 | 771 | 1091 | 771 | 589 |
| 55° | 593 | 825 | 593 | 880 | 593 | 513 |
| 65° | 334 | 477 | 334 | 627 | 334 | 334 |
| 75° | 143 | 205 | 143 | 327 | 143 | 155 |
| 85° | 27 | 27 | 27 | 55 | 27 | 34 |
| 90° | 5 | 34 | 5 | 67 | 5 | 5 |
| 95° | 48 | 36 | 48 | 210 | 48 | 58 |
| 105° | 228 | 365 | 228 | 502 | 228 | 242 |
| 115° | 436 | 605 | 436 | 745 | 436 | 430 |
| 125° | 645 | 959 | 645 | 913 | 645 | 577 |
| 135° | 878 | 1255 | 878 | 1012 | 878 | 678 |
| 145° | 1121 | 1446 | 1121 | 1034 | 1121 | 701 |
| 155° | 1331 | 1571 | 1331 | 1072 | 1331 | 612 |
| 165° | 1472 | 1638 | 1472 | 1235 | 1472 | 414 |
| 175° | 1538 | 1604 | 1538 | 1448 | 1538 | 146 |
| 180° | 1543 | 1543 | 1543 | 1543 | 1543 | |



TEST NUMBER: P1435825

CATALOG NUMBER: SQ2W-FA-K-100U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1759.5 | 1759.5 | 1759.5 | 1759.5 | 1759.5 | 1759.5 | 1759.5 | 1759.5 | 1759.5 | 1759.5 | 1759.5 |
| 2.5° | 1748.6 | 1760.7 | 1772.8 | 1775.9 | 1775.9 | 1775.9 | 1775.9 | 1775.9 | 1775.9 | 1775.9 | 1775.9 |
| 5° | 1732.2 | 1753.4 | 1774.7 | 1784.5 | 1790.6 | 1795.1 | 1798.1 | 1801.9 | 1808.0 | 1814.1 | 1808.0 |
| 7.5° | 1715.9 | 1744.3 | 1772.8 | 1786.8 | 1795.9 | 1803.1 | 1808.6 | 1813.5 | 1816.5 | 1819.5 | 1816.5 |
| 10° | 1704.9 | 1738.3 | 1771.6 | 1786.8 | 1795.9 | 1801.9 | 1805.0 | 1808.0 | 1811.0 | 1814.1 | 1811.0 |
| 12.5° | 1688.6 | 1724.3 | 1760.1 | 1777.7 | 1789.2 | 1796.5 | 1799.5 | 1802.5 | 1805.6 | 1808.6 | 1805.6 |
| 15° | 1643.6 | 1692.1 | 1740.6 | 1759.5 | 1768.6 | 1776.2 | 1782.2 | 1787.5 | 1790.6 | 1793.6 | 1790.6 |
| 17.5° | 1587.6 | 1646.4 | 1705.2 | 1729.0 | 1741.2 | 1750.0 | 1755.4 | 1760.1 | 1762.5 | 1765.0 | 1762.5 |
| 20° | 1554.9 | 1618.6 | 1682.2 | 1707.2 | 1719.3 | 1726.9 | 1729.9 | 1732.2 | 1732.2 | 1732.2 | 1732.2 |
| 22.5° | 1511.3 | 1582.2 | 1653.1 | 1679.9 | 1692.1 | 1698.4 | 1699.0 | 1700.1 | 1702.5 | 1704.9 | 1702.5 |
| 25° | 1425.3 | 1507.2 | 1589.0 | 1623.1 | 1641.3 | 1648.9 | 1645.8 | 1645.1 | 1651.1 | 1657.2 | 1651.1 |
| 27.5° | 1320.3 | 1423.4 | 1526.4 | 1561.3 | 1573.4 | 1581.0 | 1584.0 | 1586.3 | 1586.3 | 1586.3 | 1586.3 |
| 30° | 1254.8 | 1370.0 | 1485.2 | 1523.1 | 1535.2 | 1542.8 | 1545.8 | 1548.1 | 1548.1 | 1548.1 | 1548.1 |
| 32.5° | 1173.0 | 1310.0 | 1447.0 | 1488.5 | 1498.2 | 1503.4 | 1504.0 | 1504.4 | 1504.4 | 1504.4 | 1504.4 |
| 35° | 1050.2 | 1216.9 | 1383.7 | 1429.9 | 1435.9 | 1439.0 | 1439.0 | 1438.2 | 1435.2 | 1432.2 | 1435.2 |
| 37.5° | 927.5 | 1116.6 | 1305.8 | 1359.9 | 1369.0 | 1371.4 | 1367.1 | 1363.2 | 1360.2 | 1357.1 | 1360.2 |
| 40° | 845.7 | 1051.8 | 1257.9 | 1316.2 | 1325.3 | 1325.3 | 1316.2 | 1308.6 | 1305.6 | 1302.6 | 1305.6 |
| 42.5° | 802.0 | 1005.7 | 1209.4 | 1267.1 | 1276.2 | 1275.0 | 1263.5 | 1254.1 | 1251.0 | 1248.0 | 1251.0 |
| 45° | 770.6 | 952.5 | 1134.4 | 1186.6 | 1195.7 | 1194.2 | 1182.1 | 1171.5 | 1165.4 | 1159.4 | 1165.4 |
| 47.5° | 722.9 | 882.9 | 1043.0 | 1094.3 | 1109.5 | 1108.0 | 1089.8 | 1074.6 | 1068.6 | 1062.5 | 1068.6 |
| 50° | 668.3 | 825.9 | 983.6 | 1034.3 | 1049.5 | 1048.0 | 1029.8 | 1014.6 | 1008.6 | 1002.5 | 1008.6 |
| 52.5° | 630.1 | 778.1 | 926.0 | 972.5 | 985.2 | 981.3 | 960.7 | 943.7 | 937.6 | 931.6 | 937.6 |
| 55° | 593.3 | 717.6 | 841.9 | 879.7 | 888.8 | 882.8 | 861.6 | 843.4 | 834.3 | 825.2 | 834.3 |
| 57.5° | 507.4 | 625.6 | 743.8 | 780.6 | 790.3 | 783.1 | 758.8 | 738.0 | 727.7 | 717.4 | 727.7 |
| 60° | 463.7 | 569.8 | 675.9 | 711.5 | 723.7 | 717.6 | 693.3 | 671.4 | 656.2 | 641.1 | 656.2 |
| 62.5° | 414.6 | 508.6 | 602.6 | 638.8 | 655.8 | 652.1 | 627.9 | 605.9 | 590.7 | 575.6 | 590.7 |
| 65° | 334.2 | 416.0 | 497.8 | 534.2 | 555.4 | 553.9 | 529.7 | 507.7 | 492.5 | 477.4 | 492.5 |
| 67.5° | 261.9 | 332.2 | 402.5 | 438.3 | 462.5 | 461.3 | 434.6 | 411.6 | 399.5 | 387.4 | 399.5 |
| 70° | 218.2 | 278.9 | 339.5 | 372.8 | 397.1 | 397.1 | 372.8 | 351.6 | 339.5 | 327.3 | 339.5 |
| 72.5° | 191.0 | 237.0 | 283.1 | 314.6 | 341.3 | 341.3 | 314.6 | 292.2 | 282.5 | 272.8 | 282.5 |
| 75° | 143.2 | 170.5 | 197.8 | 227.3 | 257.6 | 260.7 | 236.4 | 216.7 | 210.7 | 204.6 | 210.7 |
| 77.5° | 103.7 | 116.4 | 129.1 | 152.3 | 179.0 | 182.0 | 161.4 | 145.3 | 142.9 | 140.5 | 142.9 |
| 80° | 81.8 | 84.9 | 87.9 | 106.8 | 131.1 | 134.1 | 115.9 | 102.3 | 102.3 | 102.3 | 102.3 |
| 82.5° | 54.6 | 57.6 | 60.6 | 74.1 | 91.1 | 92.9 | 79.6 | 69.0 | 66.5 | 64.1 | 66.5 |
| 85° | 27.3 | 27.3 | 27.3 | 31.8 | 37.9 | 37.9 | 31.8 | 27.3 | 27.3 | 27.3 | 27.3 |
| 87.5° | 6.4 | 7.6 | 9.2 | 12.3 | 15.6 | 15.9 | 13.5 | 12.0 | 12.3 | 12.3 | 12.3 |
| 90° | 4.7 | 10.9 | 18.7 | 24.9 | 29.6 | 31.2 | 31.2 | 32.7 | 34.3 | 34.3 | 34.3 |
| 92.5° | 17.1 | 27.1 | 27.4 | 27.4 | 33.4 | 36.2 | 38.7 | 39.0 | 40.5 | 40.5 | 40.5 |
| 95° | 48.3 | 53.0 | 79.5 | 77.9 | 53.0 | 42.1 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 |
| 97.5° | 92.3 | 99.1 | 103.5 | 138.7 | 146.5 | 141.5 | 115.3 | 97.0 | 86.7 | 82.0 | 86.7 |
| 100° | 130.9 | 134.1 | 143.4 | 145.0 | 183.9 | 221.3 | 202.6 | 179.3 | 171.5 | 166.8 | 171.5 |
| 102.5° | 169.6 | 171.5 | 185.8 | 192.4 | 201.4 | 222.6 | 287.4 | 280.3 | 275.0 | 274.0 | 275.0 |
| 105° | 227.6 | 229.1 | 255.6 | 268.1 | 274.3 | 274.3 | 272.8 | 304.0 | 353.8 | 364.8 | 353.8 |
| 107.5° | 289.6 | 296.8 | 328.0 | 361.3 | 368.5 | 370.4 | 362.3 | 357.6 | 355.7 | 357.0 | 355.7 |
| 110° | 332.0 | 342.9 | 380.3 | 422.4 | 433.3 | 436.5 | 433.3 | 428.7 | 425.5 | 425.5 | 425.5 |



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CATALOG NUMBER: SQ2W-FA-K-100U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 373.2 | 389.1 | 431.5 | 479.8 | 498.2 | 507.5 | 500.7 | 497.2 | 494.1 | 496.6 | 494.1 |
| 115° | 436.5 | 459.8 | 516.0 | 565.8 | 603.2 | 607.9 | 606.4 | 606.4 | 604.8 | 604.8 | 604.8 |
| 117.5° | 495.1 | 532.5 | 595.5 | 653.4 | 696.8 | 709.2 | 715.5 | 713.6 | 711.7 | 714.9 | 711.7 |
| 120° | 536.2 | 579.9 | 651.6 | 717.0 | 759.1 | 777.8 | 784.1 | 780.9 | 784.1 | 780.9 | 784.1 |
| 122.5° | 579.9 | 633.5 | 703.9 | 771.9 | 821.5 | 842.7 | 850.2 | 850.8 | 851.4 | 849.5 | 851.4 |
| 125° | 645.3 | 710.8 | 793.4 | 863.6 | 915.0 | 939.9 | 946.2 | 947.7 | 950.9 | 958.6 | 950.9 |
| 127.5° | 711.4 | 785.6 | 876.3 | 944.0 | 996.7 | 1026.9 | 1036.6 | 1040.0 | 1046.6 | 1050.0 | 1046.6 |
| 130° | 757.6 | 841.7 | 933.7 | 997.6 | 1049.1 | 1081.8 | 1098.9 | 1103.6 | 1111.4 | 1109.8 | 1111.4 |
| 132.5° | 806.2 | 894.1 | 987.3 | 1053.7 | 1101.4 | 1136.7 | 1151.3 | 1164.7 | 1167.5 | 1169.7 | 1167.5 |
| 135° | 877.6 | 972.7 | 1066.2 | 1131.7 | 1176.9 | 1211.2 | 1229.9 | 1242.3 | 1250.1 | 1254.8 | 1250.1 |
| 137.5° | 952.7 | 1053.1 | 1142.9 | 1201.2 | 1246.7 | 1276.3 | 1297.5 | 1310.6 | 1318.7 | 1322.5 | 1318.7 |
| 140° | 1003.9 | 1100.5 | 1187.8 | 1248.6 | 1289.1 | 1318.7 | 1337.4 | 1353.0 | 1362.4 | 1362.4 | 1362.4 |
| 142.5° | 1052.5 | 1147.9 | 1232.7 | 1293.5 | 1329.0 | 1356.1 | 1376.1 | 1387.9 | 1398.5 | 1398.5 | 1398.5 |
| 145° | 1120.8 | 1215.8 | 1293.8 | 1354.6 | 1384.2 | 1409.1 | 1431.0 | 1440.3 | 1446.5 | 1446.5 | 1446.5 |
| 147.5° | 1192.2 | 1276.3 | 1347.4 | 1405.7 | 1430.6 | 1459.9 | 1477.1 | 1484.6 | 1492.4 | 1488.9 | 1492.4 |
| 150° | 1234.6 | 1312.5 | 1381.1 | 1435.6 | 1460.6 | 1488.6 | 1505.8 | 1512.0 | 1519.8 | 1515.1 | 1519.8 |
| 152.5° | 1275.7 | 1349.9 | 1412.3 | 1463.1 | 1484.3 | 1512.3 | 1532.0 | 1538.2 | 1543.5 | 1540.1 | 1543.5 |
| 155° | 1331.2 | 1396.7 | 1454.3 | 1501.1 | 1519.8 | 1546.3 | 1565.0 | 1572.8 | 1579.0 | 1571.2 | 1579.0 |
| 157.5° | 1380.8 | 1437.2 | 1487.4 | 1530.4 | 1550.4 | 1573.1 | 1590.6 | 1600.2 | 1606.5 | 1603.0 | 1606.5 |
| 160° | 1410.7 | 1462.1 | 1507.3 | 1547.9 | 1566.6 | 1586.8 | 1605.5 | 1616.5 | 1622.7 | 1618.0 | 1622.7 |
| 162.5° | 1435.6 | 1482.1 | 1524.8 | 1561.6 | 1577.8 | 1595.6 | 1618.0 | 1627.7 | 1633.9 | 1628.0 | 1633.9 |
| 165° | 1471.5 | 1508.9 | 1546.3 | 1577.5 | 1591.5 | 1605.5 | 1628.9 | 1639.8 | 1644.5 | 1638.3 | 1644.5 |
| 167.5° | 1498.6 | 1527.3 | 1557.5 | 1584.3 | 1594.6 | 1608.3 | 1631.7 | 1640.8 | 1646.7 | 1638.9 | 1646.7 |
| 170° | 1513.6 | 1538.5 | 1565.0 | 1586.8 | 1594.6 | 1607.1 | 1630.5 | 1638.3 | 1643.0 | 1635.2 | 1643.0 |
| 172.5° | 1526.0 | 1544.7 | 1566.3 | 1585.6 | 1589.6 | 1599.6 | 1621.8 | 1629.5 | 1633.0 | 1626.4 | 1633.0 |
| 175° | 1538.5 | 1549.4 | 1565.0 | 1577.5 | 1575.9 | 1582.2 | 1600.9 | 1607.1 | 1613.3 | 1604.0 | 1613.3 |
| 177.5° | 1544.4 | 1549.4 | 1554.4 | 1561.9 | 1556.9 | 1556.9 | 1570.6 | 1574.4 | 1575.6 | 1570.6 | 1575.6 |
| 180° | 1543.2 | 1543.2 | 1543.2 | 1543.2 | 1543.2 | 1543.2 | 1543.2 | 1543.2 | 1543.2 | 1543.2 | 1543.2 |



TEST NUMBER: P1435825

CATALOG NUMBER: SQ2W-FA-K-100U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1759.5 | 1759.5 | 1759.5 | 1759.5 | 1759.5 | 1759.5 | 1759.5 | 1759.5 | 1759.5 | 1759.5 | 1759.5 |
| 2.5° | 1775.9 | 1775.9 | 1775.9 | 1775.9 | 1775.9 | 1772.8 | 1760.7 | 1748.6 | 1748.6 | 1748.6 | 1739.5 |
| 5° | 1801.9 | 1798.1 | 1795.1 | 1790.6 | 1784.5 | 1774.7 | 1753.4 | 1732.2 | 1723.1 | 1714.0 | 1675.4 |
| 7.5° | 1813.5 | 1808.6 | 1803.1 | 1795.9 | 1786.8 | 1772.8 | 1744.3 | 1715.9 | 1675.2 | 1634.6 | 1548.5 |
| 10° | 1808.0 | 1805.0 | 1801.9 | 1795.9 | 1786.8 | 1771.6 | 1738.3 | 1704.9 | 1623.1 | 1541.3 | 1459.4 |
| 12.5° | 1802.5 | 1799.5 | 1796.5 | 1789.2 | 1777.7 | 1760.1 | 1724.3 | 1688.6 | 1572.8 | 1457.0 | 1383.0 |
| 15° | 1787.5 | 1782.2 | 1776.2 | 1768.6 | 1759.5 | 1740.6 | 1692.1 | 1643.6 | 1513.2 | 1382.9 | 1320.8 |
| 17.5° | 1760.1 | 1755.4 | 1750.0 | 1741.2 | 1729.0 | 1705.2 | 1646.4 | 1587.6 | 1451.2 | 1314.9 | 1274.8 |
| 20° | 1732.2 | 1729.9 | 1726.9 | 1719.3 | 1707.2 | 1682.2 | 1618.6 | 1554.9 | 1418.5 | 1282.1 | 1263.9 |
| 22.5° | 1700.1 | 1699.0 | 1698.4 | 1692.1 | 1679.9 | 1653.1 | 1582.2 | 1511.3 | 1377.3 | 1243.3 | 1243.9 |
| 25° | 1645.1 | 1645.8 | 1648.9 | 1641.3 | 1623.1 | 1589.0 | 1507.2 | 1425.3 | 1307.1 | 1188.9 | 1209.4 |
| 27.5° | 1586.3 | 1584.0 | 1581.0 | 1573.4 | 1561.3 | 1526.4 | 1423.4 | 1320.3 | 1227.0 | 1133.6 | 1167.5 |
| 30° | 1548.1 | 1545.8 | 1542.8 | 1535.2 | 1523.1 | 1485.2 | 1370.0 | 1254.8 | 1176.0 | 1097.2 | 1136.6 |
| 32.5° | 1504.4 | 1504.0 | 1503.4 | 1498.2 | 1488.5 | 1447.0 | 1310.0 | 1173.0 | 1116.0 | 1059.0 | 1100.3 |
| 35° | 1438.2 | 1439.0 | 1439.0 | 1435.9 | 1429.9 | 1383.7 | 1216.9 | 1050.2 | 1026.0 | 1001.7 | 1050.2 |
| 37.5° | 1363.2 | 1367.1 | 1371.4 | 1369.0 | 1359.9 | 1305.8 | 1116.6 | 927.5 | 935.4 | 943.2 | 1002.1 |
| 40° | 1308.6 | 1316.2 | 1325.3 | 1325.3 | 1316.2 | 1257.9 | 1051.8 | 845.7 | 872.9 | 900.2 | 963.9 |
| 42.5° | 1254.1 | 1263.5 | 1275.0 | 1276.2 | 1267.1 | 1209.4 | 1005.7 | 802.0 | 831.7 | 861.4 | 927.5 |
| 45° | 1171.5 | 1182.1 | 1194.2 | 1195.7 | 1186.6 | 1134.4 | 952.5 | 770.6 | 788.8 | 807.0 | 870.7 |
| 47.5° | 1074.6 | 1089.8 | 1108.0 | 1109.5 | 1094.3 | 1043.0 | 882.9 | 722.9 | 736.2 | 749.6 | 814.7 |
| 50° | 1014.6 | 1029.8 | 1048.0 | 1049.5 | 1034.3 | 983.6 | 825.9 | 668.3 | 686.5 | 704.7 | 772.9 |
| 52.5° | 943.7 | 960.7 | 981.3 | 985.2 | 972.5 | 926.0 | 778.1 | 630.1 | 641.1 | 652.0 | 725.6 |
| 55° | 843.4 | 861.6 | 882.8 | 888.8 | 879.7 | 841.9 | 717.6 | 593.3 | 584.2 | 575.1 | 650.2 |
| 57.5° | 738.0 | 758.8 | 783.1 | 790.3 | 780.6 | 743.8 | 625.6 | 507.4 | 499.5 | 491.6 | 572.9 |
| 60° | 671.4 | 693.3 | 717.6 | 723.7 | 711.5 | 675.9 | 569.8 | 463.7 | 448.6 | 433.4 | 518.3 |
| 62.5° | 605.9 | 627.9 | 652.1 | 655.8 | 638.8 | 602.6 | 508.6 | 414.6 | 404.3 | 394.0 | 476.5 |
| 65° | 507.7 | 529.7 | 553.9 | 555.4 | 534.2 | 497.8 | 416.0 | 334.2 | 340.2 | 346.3 | 420.6 |
| 67.5° | 411.6 | 434.6 | 461.3 | 462.5 | 438.3 | 402.5 | 332.2 | 261.9 | 281.9 | 301.9 | 368.7 |
| 70° | 351.6 | 372.8 | 397.1 | 397.1 | 372.8 | 339.5 | 278.9 | 218.2 | 245.5 | 272.8 | 334.2 |
| 72.5° | 292.2 | 314.6 | 341.3 | 341.3 | 314.6 | 283.1 | 237.0 | 191.0 | 218.2 | 245.5 | 296.0 |
| 75° | 216.7 | 236.4 | 260.7 | 257.6 | 227.3 | 197.8 | 170.5 | 143.2 | 170.5 | 197.8 | 236.4 |
| 77.5° | 145.3 | 161.4 | 182.0 | 179.0 | 152.3 | 129.1 | 116.4 | 103.7 | 126.1 | 148.5 | 175.5 |
| 80° | 102.3 | 115.9 | 134.1 | 131.1 | 106.8 | 87.9 | 84.9 | 81.8 | 97.0 | 112.1 | 131.8 |
| 82.5° | 69.0 | 79.6 | 92.9 | 91.1 | 74.1 | 60.6 | 57.6 | 54.6 | 67.3 | 80.0 | 93.7 |
| 85° | 27.3 | 31.8 | 37.9 | 37.9 | 31.8 | 27.3 | 27.3 | 27.3 | 33.3 | 39.4 | 45.5 |
| 87.5° | 12.0 | 13.5 | 15.9 | 15.6 | 12.3 | 9.2 | 7.6 | 6.4 | 10.1 | 13.7 | 16.5 |
| 90° | 32.7 | 31.2 | 31.2 | 29.6 | 24.9 | 18.7 | 10.9 | 4.7 | 10.9 | 17.1 | 28.1 |
| 92.5° | 39.0 | 38.7 | 36.2 | 33.4 | 27.4 | 27.4 | 27.1 | 17.1 | 29.6 | 42.1 | 60.5 |
| 95° | 35.9 | 35.9 | 42.1 | 53.0 | 77.9 | 79.5 | 53.0 | 48.3 | 68.6 | 96.6 | 121.6 |
| 97.5° | 97.0 | 115.3 | 141.5 | 146.5 | 138.7 | 103.5 | 99.1 | 92.3 | 125.6 | 153.4 | 193.6 |
| 100° | 179.3 | 202.6 | 221.3 | 183.9 | 145.0 | 143.4 | 134.1 | 130.9 | 166.8 | 193.3 | 232.3 |
| 102.5° | 280.3 | 287.4 | 222.6 | 201.4 | 192.4 | 185.8 | 171.5 | 169.6 | 205.4 | 241.9 | 274.7 |
| 105° | 304.0 | 272.8 | 274.3 | 274.3 | 268.1 | 255.6 | 229.1 | 227.6 | 268.1 | 310.2 | 350.7 |
| 107.5° | 357.6 | 362.3 | 370.4 | 368.5 | 361.3 | 328.0 | 296.8 | 289.6 | 326.1 | 376.6 | 421.2 |
| 110° | 428.7 | 433.3 | 436.5 | 433.3 | 422.4 | 380.3 | 342.9 | 332.0 | 364.8 | 417.8 | 466.1 |



TEST NUMBER: P1435825

CATALOG NUMBER: SQ2W-FA-K-100U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 497.2 | 500.7 | 507.5 | 498.2 | 479.8 | 431.5 | 389.1 | 373.2 | 405.9 | 460.2 | 509.7 |
| 115° | 606.4 | 606.4 | 607.9 | 603.2 | 565.8 | 516.0 | 459.8 | 436.5 | 464.5 | 514.4 | 569.0 |
| 117.5° | 713.6 | 715.5 | 709.2 | 696.8 | 653.4 | 595.5 | 532.5 | 495.1 | 517.2 | 569.9 | 626.0 |
| 120° | 780.9 | 784.1 | 777.8 | 759.1 | 717.0 | 651.6 | 579.9 | 536.2 | 553.4 | 604.8 | 660.9 |
| 122.5° | 850.8 | 850.2 | 842.7 | 821.5 | 771.9 | 703.9 | 633.5 | 579.9 | 587.0 | 634.7 | 689.6 |
| 125° | 947.7 | 946.2 | 939.9 | 915.0 | 863.6 | 793.4 | 710.8 | 645.3 | 636.0 | 676.5 | 732.6 |
| 127.5° | 1040.0 | 1036.6 | 1026.9 | 996.7 | 944.0 | 876.3 | 785.6 | 711.4 | 690.5 | 716.1 | 767.5 |
| 130° | 1103.6 | 1098.9 | 1081.8 | 1049.1 | 997.6 | 933.7 | 841.7 | 757.6 | 727.9 | 743.5 | 788.7 |
| 132.5° | 1164.7 | 1151.3 | 1136.7 | 1101.4 | 1053.7 | 987.3 | 894.1 | 806.2 | 765.4 | 772.2 | 807.4 |
| 135° | 1242.3 | 1229.9 | 1211.2 | 1176.9 | 1131.7 | 1066.2 | 972.7 | 877.6 | 821.5 | 815.2 | 835.5 |
| 137.5° | 1310.6 | 1297.5 | 1276.3 | 1246.7 | 1201.2 | 1142.9 | 1053.1 | 952.7 | 882.0 | 861.1 | 868.9 |
| 140° | 1353.0 | 1337.4 | 1318.7 | 1289.1 | 1248.6 | 1187.8 | 1100.5 | 1003.9 | 924.4 | 894.7 | 890.1 |
| 142.5° | 1387.9 | 1376.1 | 1356.1 | 1329.0 | 1293.5 | 1232.7 | 1147.9 | 1052.5 | 968.0 | 929.7 | 918.7 |
| 145° | 1440.3 | 1431.0 | 1409.1 | 1384.2 | 1354.6 | 1293.8 | 1215.8 | 1120.8 | 1036.6 | 986.7 | 963.3 |
| 147.5° | 1484.6 | 1477.1 | 1459.9 | 1430.6 | 1405.7 | 1347.4 | 1276.3 | 1192.2 | 1105.8 | 1044.1 | 1013.8 |
| 150° | 1512.0 | 1505.8 | 1488.6 | 1460.6 | 1435.6 | 1381.1 | 1312.5 | 1234.6 | 1151.9 | 1086.5 | 1047.5 |
| 152.5° | 1538.2 | 1532.0 | 1512.3 | 1484.3 | 1463.1 | 1412.3 | 1349.9 | 1275.7 | 1191.8 | 1126.4 | 1086.2 |
| 155° | 1572.8 | 1565.0 | 1546.3 | 1519.8 | 1501.1 | 1454.3 | 1396.7 | 1331.2 | 1259.5 | 1190.9 | 1145.7 |
| 157.5° | 1600.2 | 1590.6 | 1573.1 | 1550.4 | 1530.4 | 1487.4 | 1437.2 | 1380.8 | 1318.1 | 1252.6 | 1206.5 |
| 160° | 1616.5 | 1605.5 | 1586.8 | 1566.6 | 1547.9 | 1507.3 | 1462.1 | 1410.7 | 1353.0 | 1293.8 | 1243.9 |
| 162.5° | 1627.7 | 1618.0 | 1595.6 | 1577.8 | 1561.6 | 1524.8 | 1482.1 | 1435.6 | 1384.2 | 1332.4 | 1286.3 |
| 165° | 1639.8 | 1628.9 | 1605.5 | 1591.5 | 1577.5 | 1546.3 | 1508.9 | 1471.5 | 1427.8 | 1385.8 | 1348.3 |
| 167.5° | 1640.8 | 1631.7 | 1608.3 | 1594.6 | 1584.3 | 1557.5 | 1527.3 | 1498.6 | 1464.6 | 1431.6 | 1400.4 |
| 170° | 1638.3 | 1630.5 | 1607.1 | 1594.6 | 1586.8 | 1565.0 | 1538.5 | 1513.6 | 1487.1 | 1459.0 | 1434.1 |
| 172.5° | 1629.5 | 1621.8 | 1599.6 | 1589.6 | 1585.6 | 1566.3 | 1544.7 | 1526.0 | 1503.3 | 1482.7 | 1462.8 |
| 175° | 1607.1 | 1600.9 | 1582.2 | 1575.9 | 1577.5 | 1565.0 | 1549.4 | 1538.5 | 1524.5 | 1512.0 | 1501.1 |
| 177.5° | 1574.4 | 1570.6 | 1556.9 | 1556.9 | 1561.9 | 1554.4 | 1549.4 | 1544.4 | 1538.2 | 1534.5 | 1530.7 |
| 180° | 1543.2 | 1543.2 | 1543.2 | 1543.2 | 1543.2 | 1543.2 | 1543.2 | 1543.2 | 1543.2 | 1543.2 | 1543.2 |



TEST NUMBER: P1435825

CATALOG NUMBER: SQ2W-FA-K-100U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1759.5 | 1759.5 | 1759.5 | 1759.5 | 1759.5 | 1759.5 | 1759.5 | 1759.5 | 1759.5 | 1759.5 | 1759.5 |
| 2.5° | 1727.4 | 1717.7 | 1710.4 | 1704.3 | 1701.9 | 1699.5 | 1701.9 | 1704.3 | 1710.4 | 1717.7 | 1727.4 |
| 5° | 1626.9 | 1575.4 | 1520.8 | 1476.1 | 1460.9 | 1445.8 | 1460.9 | 1476.1 | 1520.8 | 1575.4 | 1626.9 |
| 7.5° | 1447.3 | 1385.2 | 1362.1 | 1343.6 | 1338.8 | 1333.9 | 1338.8 | 1343.6 | 1362.1 | 1385.2 | 1447.3 |
| 10° | 1377.6 | 1327.6 | 1309.4 | 1295.8 | 1295.8 | 1295.8 | 1295.8 | 1295.8 | 1309.4 | 1327.6 | 1377.6 |
| 12.5° | 1323.0 | 1292.4 | 1291.2 | 1293.3 | 1305.5 | 1317.6 | 1305.5 | 1293.3 | 1291.2 | 1292.4 | 1323.0 |
| 15° | 1281.4 | 1285.9 | 1334.4 | 1374.6 | 1389.7 | 1404.9 | 1389.7 | 1374.6 | 1334.4 | 1285.9 | 1281.4 |
| 17.5° | 1267.0 | 1293.0 | 1353.0 | 1401.1 | 1413.2 | 1425.3 | 1413.2 | 1401.1 | 1353.0 | 1293.0 | 1267.0 |
| 20° | 1285.1 | 1318.5 | 1364.0 | 1401.1 | 1413.2 | 1425.3 | 1413.2 | 1401.1 | 1364.0 | 1318.5 | 1285.1 |
| 22.5° | 1289.4 | 1330.0 | 1365.8 | 1395.6 | 1407.8 | 1419.9 | 1407.8 | 1395.6 | 1365.8 | 1330.0 | 1289.4 |
| 25° | 1276.1 | 1324.5 | 1354.9 | 1379.1 | 1385.2 | 1391.2 | 1385.2 | 1379.1 | 1354.9 | 1324.5 | 1276.1 |
| 27.5° | 1243.9 | 1297.3 | 1327.6 | 1351.4 | 1355.6 | 1359.9 | 1355.6 | 1351.4 | 1327.6 | 1297.3 | 1243.9 |
| 30° | 1215.4 | 1270.0 | 1300.3 | 1325.3 | 1334.4 | 1343.5 | 1334.4 | 1325.3 | 1300.3 | 1270.0 | 1215.4 |
| 32.5° | 1174.2 | 1230.0 | 1267.6 | 1296.2 | 1298.0 | 1299.8 | 1298.0 | 1296.2 | 1267.6 | 1230.0 | 1174.2 |
| 35° | 1123.0 | 1180.6 | 1223.0 | 1254.1 | 1251.0 | 1248.0 | 1251.0 | 1254.1 | 1223.0 | 1180.6 | 1123.0 |
| 37.5° | 1077.8 | 1134.2 | 1171.2 | 1199.8 | 1203.5 | 1207.1 | 1203.5 | 1199.8 | 1171.2 | 1134.2 | 1077.8 |
| 40° | 1039.6 | 1097.2 | 1136.6 | 1167.7 | 1173.8 | 1179.8 | 1173.8 | 1167.7 | 1136.6 | 1097.2 | 1039.6 |
| 42.5° | 1005.7 | 1064.5 | 1103.9 | 1135.0 | 1141.0 | 1147.1 | 1141.0 | 1135.0 | 1103.9 | 1064.5 | 1005.7 |
| 45° | 949.5 | 1010.1 | 1052.5 | 1085.1 | 1088.1 | 1091.2 | 1088.1 | 1085.1 | 1052.5 | 1010.1 | 949.5 |
| 47.5° | 897.2 | 958.1 | 997.5 | 1027.8 | 1030.8 | 1033.9 | 1030.8 | 1027.8 | 997.5 | 958.1 | 897.2 |
| 50° | 857.8 | 919.9 | 959.3 | 989.6 | 992.7 | 995.7 | 992.7 | 989.6 | 959.3 | 919.9 | 857.8 |
| 52.5° | 820.2 | 884.8 | 919.3 | 946.0 | 949.0 | 952.0 | 949.0 | 946.0 | 919.3 | 884.8 | 820.2 |
| 55° | 753.2 | 821.4 | 854.7 | 879.7 | 879.7 | 879.7 | 879.7 | 854.7 | 821.4 | 753.2 | 753.2 |
| 57.5° | 683.8 | 753.8 | 782.9 | 805.6 | 809.3 | 812.9 | 809.3 | 805.6 | 782.9 | 753.8 | 683.8 |
| 60° | 636.5 | 707.7 | 732.0 | 751.7 | 757.8 | 763.8 | 757.8 | 751.7 | 732.0 | 707.7 | 636.5 |
| 62.5° | 589.8 | 658.6 | 682.9 | 702.0 | 705.6 | 709.3 | 705.6 | 702.0 | 682.9 | 658.6 | 589.8 |
| 65° | 517.5 | 578.2 | 602.4 | 621.4 | 624.4 | 627.4 | 624.4 | 621.4 | 602.4 | 578.2 | 517.5 |
| 67.5° | 451.2 | 500.9 | 517.8 | 531.2 | 533.6 | 536.0 | 533.6 | 531.2 | 517.8 | 500.9 | 451.2 |
| 70° | 406.9 | 449.3 | 461.5 | 470.6 | 470.6 | 470.6 | 470.6 | 470.6 | 461.5 | 449.3 | 406.9 |
| 72.5° | 354.2 | 389.3 | 401.5 | 411.2 | 413.6 | 416.0 | 413.6 | 411.2 | 401.5 | 389.3 | 354.2 |
| 75° | 278.9 | 304.6 | 313.7 | 321.3 | 324.3 | 327.3 | 324.3 | 321.3 | 313.7 | 304.6 | 278.9 |
| 77.5° | 204.0 | 221.0 | 226.4 | 231.3 | 234.3 | 237.3 | 234.3 | 231.3 | 226.4 | 221.0 | 204.0 |
| 80° | 153.1 | 165.2 | 168.2 | 171.3 | 174.3 | 177.3 | 174.3 | 171.3 | 168.2 | 165.2 | 153.1 |
| 82.5° | 107.6 | 116.1 | 119.1 | 121.5 | 122.1 | 122.8 | 122.1 | 121.5 | 119.1 | 116.1 | 107.6 |
| 85° | 51.5 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 51.5 |
| 87.5° | 18.1 | 20.3 | 22.4 | 23.7 | 24.9 | 24.3 | 24.9 | 23.7 | 22.4 | 20.3 | 18.1 |
| 90° | 35.9 | 46.8 | 57.7 | 63.9 | 70.1 | 67.0 | 70.1 | 63.9 | 57.7 | 46.8 | 35.9 |
| 92.5° | 72.0 | 90.4 | 103.8 | 115.0 | 120.0 | 119.4 | 120.0 | 115.0 | 103.8 | 90.4 | 72.0 |
| 95° | 145.0 | 166.8 | 188.6 | 204.2 | 213.6 | 210.4 | 213.6 | 204.2 | 188.6 | 166.8 | 145.0 |
| 97.5° | 223.5 | 252.8 | 277.2 | 291.8 | 301.2 | 307.4 | 301.2 | 291.8 | 277.2 | 252.8 | 223.5 |
| 100° | 275.9 | 304.0 | 332.0 | 349.2 | 364.8 | 371.0 | 364.8 | 349.2 | 332.0 | 304.0 | 275.9 |
| 102.5° | 318.3 | 355.1 | 385.6 | 404.0 | 417.1 | 423.4 | 417.1 | 404.0 | 385.6 | 355.1 | 318.3 |
| 105° | 388.1 | 427.1 | 459.8 | 483.2 | 497.2 | 501.9 | 497.2 | 483.2 | 459.8 | 427.1 | 388.1 |
| 107.5° | 458.0 | 498.2 | 528.4 | 554.3 | 571.4 | 581.4 | 571.4 | 554.3 | 528.4 | 498.2 | 458.0 |
| 110° | 512.8 | 545.6 | 578.3 | 601.7 | 618.8 | 625.1 | 618.8 | 601.7 | 578.3 | 545.6 | 512.8 |



TEST NUMBER: P1435825

CATALOG NUMBER: SQ2W-FA-K-100U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 559.0 | 595.5 | 628.2 | 651.6 | 671.2 | 679.9 | 671.2 | 651.6 | 628.2 | 595.5 | 559.0 |
| 115° | 623.5 | 671.8 | 701.4 | 723.3 | 737.3 | 745.1 | 737.3 | 723.3 | 701.4 | 671.8 | 623.5 |
| 117.5° | 677.1 | 727.6 | 760.1 | 776.9 | 783.4 | 789.1 | 783.4 | 776.9 | 760.1 | 727.6 | 677.1 |
| 120° | 710.8 | 757.6 | 795.0 | 816.8 | 824.6 | 827.7 | 824.6 | 816.8 | 795.0 | 757.6 | 710.8 |
| 122.5° | 742.0 | 786.2 | 822.4 | 849.2 | 862.0 | 865.1 | 862.0 | 849.2 | 822.4 | 786.2 | 742.0 |
| 125° | 785.6 | 827.7 | 865.1 | 891.6 | 905.6 | 913.4 | 905.6 | 891.6 | 865.1 | 827.7 | 785.6 |
| 127.5° | 823.7 | 869.2 | 903.5 | 927.5 | 941.2 | 947.4 | 941.2 | 927.5 | 903.5 | 869.2 | 823.7 |
| 130° | 844.9 | 891.6 | 925.9 | 952.4 | 964.9 | 971.1 | 964.9 | 952.4 | 925.9 | 891.6 | 844.9 |
| 132.5° | 861.1 | 910.3 | 945.9 | 969.9 | 983.6 | 989.8 | 983.6 | 969.9 | 945.9 | 910.3 | 861.1 |
| 135° | 880.7 | 932.1 | 969.6 | 992.9 | 1005.4 | 1011.6 | 1005.4 | 992.9 | 969.6 | 932.1 | 880.7 |
| 137.5° | 897.9 | 944.6 | 983.6 | 1008.2 | 1019.4 | 1023.5 | 1019.4 | 1008.2 | 983.6 | 944.6 | 897.9 |
| 140° | 910.3 | 950.9 | 989.8 | 1013.2 | 1025.7 | 1027.2 | 1025.7 | 1013.2 | 989.8 | 950.9 | 910.3 |
| 142.5° | 926.5 | 958.3 | 992.3 | 1015.7 | 1028.2 | 1031.0 | 1028.2 | 1015.7 | 992.3 | 958.3 | 926.5 |
| 145° | 955.5 | 974.2 | 997.6 | 1019.4 | 1030.4 | 1033.5 | 1030.4 | 1019.4 | 997.6 | 974.2 | 955.5 |
| 147.5° | 992.0 | 997.9 | 1010.1 | 1024.4 | 1035.0 | 1037.2 | 1035.0 | 1024.4 | 1010.1 | 997.9 | 992.0 |
| 150° | 1019.4 | 1017.9 | 1022.6 | 1031.9 | 1041.3 | 1039.7 | 1041.3 | 1031.9 | 1022.6 | 1017.9 | 1019.4 |
| 152.5° | 1050.6 | 1041.6 | 1041.3 | 1045.6 | 1050.0 | 1049.7 | 1050.0 | 1045.6 | 1041.3 | 1041.6 | 1050.6 |
| 155° | 1103.6 | 1086.5 | 1077.1 | 1074.0 | 1074.0 | 1072.4 | 1074.0 | 1074.0 | 1077.1 | 1086.5 | 1103.6 |
| 157.5° | 1161.9 | 1137.9 | 1123.9 | 1116.4 | 1114.2 | 1110.8 | 1114.2 | 1116.4 | 1123.9 | 1137.9 | 1161.9 |
| 160° | 1201.8 | 1175.3 | 1161.3 | 1148.8 | 1144.1 | 1139.5 | 1144.1 | 1148.8 | 1161.3 | 1175.3 | 1201.8 |
| 162.5° | 1239.2 | 1214.0 | 1198.7 | 1187.5 | 1182.8 | 1175.6 | 1182.8 | 1187.5 | 1198.7 | 1214.0 | 1239.2 |
| 165° | 1300.0 | 1273.5 | 1256.4 | 1247.0 | 1240.8 | 1234.6 | 1240.8 | 1247.0 | 1256.4 | 1273.5 | 1300.0 |
| 167.5° | 1360.8 | 1331.8 | 1320.6 | 1310.0 | 1304.1 | 1292.8 | 1304.1 | 1310.0 | 1320.6 | 1331.8 | 1360.8 |
| 170° | 1398.2 | 1371.7 | 1365.5 | 1356.1 | 1345.2 | 1332.8 | 1345.2 | 1356.1 | 1365.5 | 1371.7 | 1398.2 |
| 172.5° | 1430.6 | 1412.9 | 1406.6 | 1397.3 | 1393.9 | 1383.9 | 1393.9 | 1397.3 | 1406.6 | 1412.9 | 1430.6 |
| 175° | 1477.7 | 1463.7 | 1463.7 | 1462.1 | 1457.5 | 1448.1 | 1457.5 | 1462.1 | 1463.7 | 1463.7 | 1477.7 |
| 177.5° | 1517.0 | 1509.5 | 1514.5 | 1514.5 | 1513.3 | 1504.5 | 1513.3 | 1514.5 | 1514.5 | 1509.5 | 1517.0 |
| 180° | 1543.2 | 1543.2 | 1543.2 | 1543.2 | 1543.2 | 1543.2 | 1543.2 | 1543.2 | 1543.2 | 1543.2 | 1543.2 |



TEST NUMBER: P1435825

CATALOG NUMBER: SQ2W-FA-K-100U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|
| 0° | 1759.5 | 1759.5 | 1759.5 | 1759.5 |
| 2.5° | 1739.5 | 1748.6 | 1748.6 | 1748.6 |
| 5° | 1675.4 | 1714.0 | 1723.1 | 1732.2 |
| 7.5° | 1548.5 | 1634.6 | 1675.2 | 1715.9 |
| 10° | 1459.4 | 1541.3 | 1623.1 | 1704.9 |
| 12.5° | 1383.0 | 1457.0 | 1572.8 | 1688.6 |
| 15° | 1320.8 | 1382.9 | 1513.2 | 1643.6 |
| 17.5° | 1274.8 | 1314.9 | 1451.2 | 1587.6 |
| 20° | 1263.9 | 1282.1 | 1418.5 | 1554.9 |
| 22.5° | 1243.9 | 1243.3 | 1377.3 | 1511.3 |
| 25° | 1209.4 | 1188.9 | 1307.1 | 1425.3 |
| 27.5° | 1167.5 | 1133.6 | 1227.0 | 1320.3 |
| 30° | 1136.6 | 1097.2 | 1176.0 | 1254.8 |
| 32.5° | 1100.3 | 1059.0 | 1116.0 | 1173.0 |
| 35° | 1050.2 | 1001.7 | 1026.0 | 1050.2 |
| 37.5° | 1002.1 | 943.2 | 935.4 | 927.5 |
| 40° | 963.9 | 900.2 | 872.9 | 845.7 |
| 42.5° | 927.5 | 861.4 | 831.7 | 802.0 |
| 45° | 870.7 | 807.0 | 788.8 | 770.6 |
| 47.5° | 814.7 | 749.6 | 736.2 | 722.9 |
| 50° | 772.9 | 704.7 | 686.5 | 668.3 |
| 52.5° | 725.6 | 652.0 | 641.1 | 630.1 |
| 55° | 650.2 | 575.1 | 584.2 | 593.3 |
| 57.5° | 572.9 | 491.6 | 499.5 | 507.4 |
| 60° | 518.3 | 433.4 | 448.6 | 463.7 |
| 62.5° | 476.5 | 394.0 | 404.3 | 414.6 |
| 65° | 420.6 | 346.3 | 340.2 | 334.2 |
| 67.5° | 368.7 | 301.9 | 281.9 | 261.9 |
| 70° | 334.2 | 272.8 | 245.5 | 218.2 |
| 72.5° | 296.0 | 245.5 | 218.2 | 191.0 |
| 75° | 236.4 | 197.8 | 170.5 | 143.2 |
| 77.5° | 175.5 | 148.5 | 126.1 | 103.7 |
| 80° | 131.8 | 112.1 | 97.0 | 81.8 |
| 82.5° | 93.7 | 80.0 | 67.3 | 54.6 |
| 85° | 45.5 | 39.4 | 33.3 | 27.3 |
| 87.5° | 16.5 | 13.7 | 10.1 | 6.4 |
| 90° | 28.1 | 17.1 | 10.9 | 4.7 |
| 92.5° | 60.5 | 42.1 | 29.6 | 17.1 |
| 95° | 121.6 | 96.6 | 68.6 | 48.3 |
| 97.5° | 193.6 | 153.4 | 125.6 | 92.3 |
| 100° | 232.3 | 193.3 | 166.8 | 130.9 |
| 102.5° | 274.7 | 241.9 | 205.4 | 169.6 |
| 105° | 350.7 | 310.2 | 268.1 | 227.6 |
| 107.5° | 421.2 | 376.6 | 326.1 | 289.6 |
| 110° | 466.1 | 417.8 | 364.8 | 332.0 |



TEST NUMBER: P1435825

CATALOG NUMBER: SQ2W-FA-K-100U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|
| 112.5° | 509.7 | 460.2 | 405.9 | 373.2 |
| 115° | 569.0 | 514.4 | 464.5 | 436.5 |
| 117.5° | 626.0 | 569.9 | 517.2 | 495.1 |
| 120° | 660.9 | 604.8 | 553.4 | 536.2 |
| 122.5° | 689.6 | 634.7 | 587.0 | 579.9 |
| 125° | 732.6 | 676.5 | 636.0 | 645.3 |
| 127.5° | 767.5 | 716.1 | 690.5 | 711.4 |
| 130° | 788.7 | 743.5 | 727.9 | 757.6 |
| 132.5° | 807.4 | 772.2 | 765.4 | 806.2 |
| 135° | 835.5 | 815.2 | 821.5 | 877.6 |
| 137.5° | 868.9 | 861.1 | 882.0 | 952.7 |
| 140° | 890.1 | 894.7 | 924.4 | 1003.9 |
| 142.5° | 918.7 | 929.7 | 968.0 | 1052.5 |
| 145° | 963.3 | 986.7 | 1036.6 | 1120.8 |
| 147.5° | 1013.8 | 1044.1 | 1105.8 | 1192.2 |
| 150° | 1047.5 | 1086.5 | 1151.9 | 1234.6 |
| 152.5° | 1086.2 | 1126.4 | 1191.8 | 1275.7 |
| 155° | 1145.7 | 1190.9 | 1259.5 | 1331.2 |
| 157.5° | 1206.5 | 1252.6 | 1318.1 | 1380.8 |
| 160° | 1243.9 | 1293.8 | 1353.0 | 1410.7 |
| 162.5° | 1286.3 | 1332.4 | 1384.2 | 1435.6 |
| 165° | 1348.3 | 1385.8 | 1427.8 | 1471.5 |
| 167.5° | 1400.4 | 1431.6 | 1464.6 | 1498.6 |
| 170° | 1434.1 | 1459.0 | 1487.1 | 1513.6 |
| 172.5° | 1462.8 | 1482.7 | 1503.3 | 1526.0 |
| 175° | 1501.1 | 1512.0 | 1524.5 | 1538.5 |
| 177.5° | 1530.7 | 1534.5 | 1538.2 | 1544.4 |
| 180° | 1543.2 | 1543.2 | 1543.2 | 1543.2 |



TEST NUMBER: P1435825
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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 | 17.94 | 18.79 | 18.90 | 19.77 | 21.05 | 19.13 | 19.99 | 20.10 | 20.97 | 22.25 |
| | 3H | 19.02 | 19.79 | 20.00 | 20.78 | 22.08 | 20.38 | 21.14 | 21.35 | 22.13 | 23.43 |
| | 4H | 19.38 | 20.10 | 20.36 | 21.09 | 22.40 | 20.77 | 21.49 | 21.76 | 22.48 | 23.79 |
| | 6H | 19.54 | 20.20 | 20.54 | 21.20 | 22.52 | 20.93 | 21.59 | 21.93 | 22.59 | 23.92 |
| | 8H | 19.57 | 20.21 | 20.58 | 21.22 | 22.54 | 20.95 | 21.59 | 21.96 | 22.60 | 23.92 |
| | 12H | 19.57 | 20.17 | 20.58 | 21.18 | 22.52 | 20.94 | 21.54 | 21.95 | 22.55 | 23.89 |
| 4H | 2H | 18.80 | 19.53 | 19.80 | 20.52 | 21.83 | 19.72 | 20.44 | 20.71 | 21.43 | 22.74 |
| | 3H | 20.19 | 20.79 | 21.19 | 21.81 | 23.14 | 21.18 | 21.78 | 22.18 | 22.80 | 24.13 |
| | 4H | 20.65 | 21.20 | 21.66 | 22.21 | 23.56 | 21.66 | 22.21 | 22.67 | 23.22 | 24.57 |
| | 6H | 20.87 | 21.35 | 21.90 | 22.38 | 23.73 | 21.88 | 22.35 | 22.90 | 23.39 | 24.73 |
| | 8H | 20.93 | 21.37 | 21.96 | 22.40 | 23.76 | 21.93 | 22.37 | 22.95 | 23.40 | 24.76 |
| | 12H | 20.93 | 21.33 | 21.98 | 22.38 | 23.74 | 21.91 | 22.31 | 22.96 | 23.36 | 24.72 |
| 8H | 4H | 21.03 | 21.47 | 22.05 | 22.50 | 23.86 | 21.85 | 22.29 | 22.88 | 23.32 | 24.68 |
| | 6H | 21.38 | 21.74 | 22.43 | 22.82 | 24.17 | 22.16 | 22.53 | 23.21 | 23.60 | 24.96 |
| | 8H | 21.50 | 21.82 | 22.55 | 22.87 | 24.25 | 22.26 | 22.58 | 23.32 | 23.64 | 25.02 |
| | 12H | 21.53 | 21.82 | 22.59 | 22.87 | 24.29 | 22.27 | 22.56 | 23.33 | 23.61 | 25.03 |
| 12H | 4H | 21.03 | 21.43 | 22.07 | 22.48 | 23.84 | 21.82 | 22.22 | 22.86 | 23.26 | 24.63 |
| | 6H | 21.45 | 21.77 | 22.51 | 22.83 | 24.20 | 22.18 | 22.50 | 23.24 | 23.56 | 24.94 |
| | 8H | 21.59 | 21.88 | 22.65 | 22.93 | 24.35 | 22.30 | 22.58 | 23.36 | 23.63 | 25.05 |