

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: P1435801

Luminaire Tested: SQ2W-FA-K-075U-100D-L840-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435801
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-075U-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 750 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

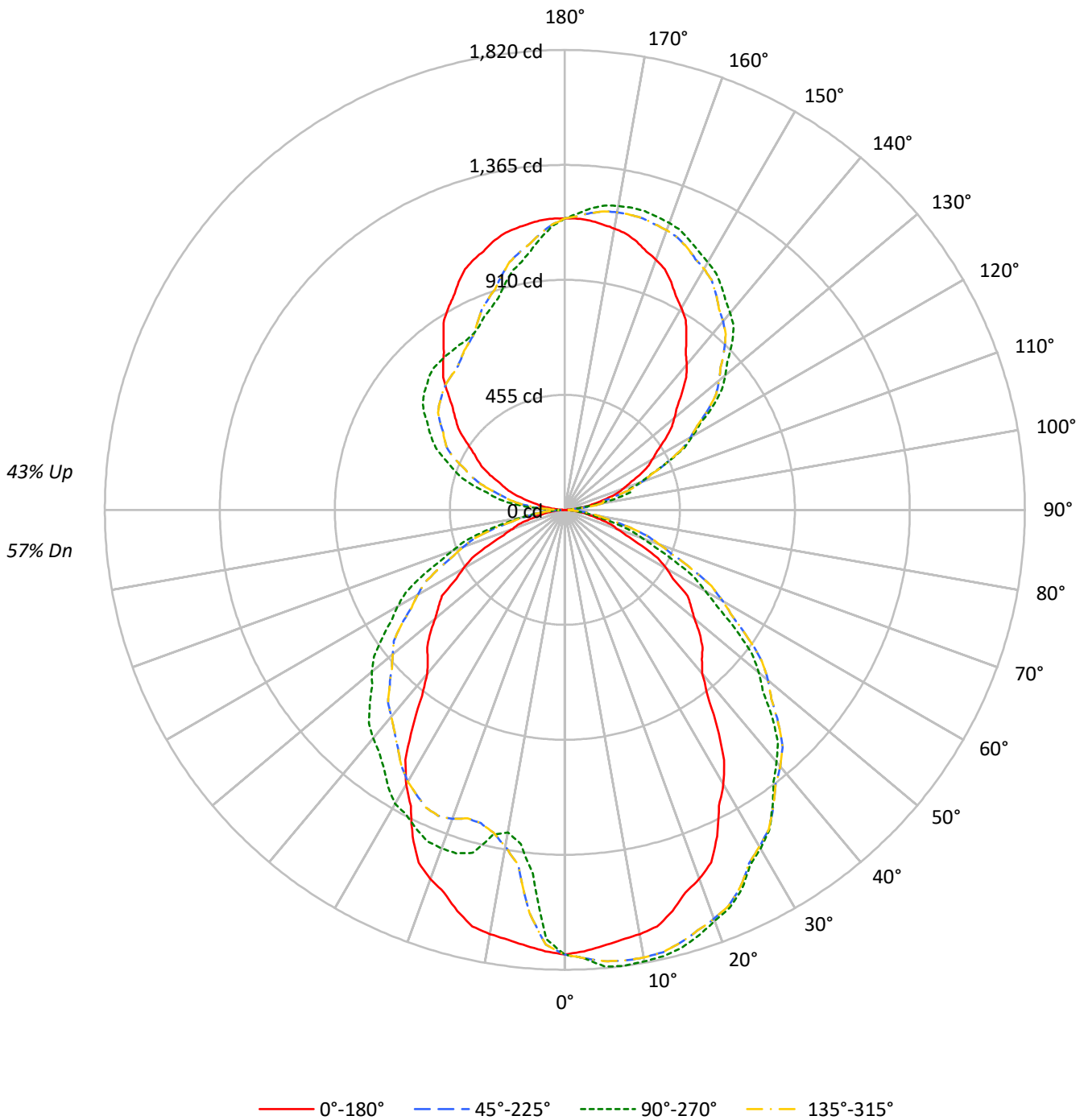
Lumens per Lamp: N/A
Luminaire Lumens: 7739.6 lumens
Efficiency: N/A
Efficacy: 126.5 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 61.2
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: P1435801

CATALOG NUMBER: SQ2W-FA-K-075U-100D-L840-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1435801

CATALOG NUMBER: SQ2W-FA-K-075U-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 | 109 | 109 | 109 | 109 | 101 | 101 | 101 | 101 | 87 | 87 | 87 | 74 | 74 | 74 | 62 | 62 | 62 | 57 |
| 1 | 99 | 95 | 91 | 88 | 92 | 89 | 85 | 82 | 76 | 74 | 72 | 65 | 64 | 62 | 55 | 54 | 53 | 48 |
| 2 | 91 | 83 | 77 | 72 | 84 | 78 | 72 | 68 | 67 | 63 | 60 | 57 | 54 | 52 | 49 | 46 | 44 | 40 |
| 3 | 83 | 73 | 66 | 60 | 77 | 68 | 62 | 56 | 59 | 54 | 50 | 51 | 47 | 44 | 43 | 40 | 38 | 34 |
| 4 | 76 | 65 | 57 | 51 | 70 | 61 | 53 | 48 | 53 | 47 | 43 | 45 | 41 | 38 | 38 | 35 | 33 | 29 |
| 5 | 69 | 58 | 49 | 43 | 64 | 54 | 47 | 41 | 47 | 41 | 37 | 41 | 36 | 33 | 35 | 31 | 28 | 25 |
| 6 | 64 | 52 | 44 | 38 | 59 | 49 | 41 | 36 | 42 | 37 | 32 | 37 | 32 | 29 | 31 | 28 | 25 | 22 |
| 7 | 59 | 47 | 39 | 33 | 55 | 44 | 37 | 31 | 38 | 33 | 28 | 33 | 29 | 25 | 29 | 25 | 22 | 20 |
| 8 | 55 | 42 | 35 | 29 | 51 | 40 | 33 | 28 | 35 | 29 | 25 | 31 | 26 | 23 | 26 | 23 | 20 | 18 |
| 9 | 51 | 39 | 31 | 26 | 48 | 37 | 30 | 25 | 32 | 27 | 23 | 28 | 24 | 20 | 24 | 21 | 18 | 16 |
| 10 | 48 | 36 | 28 | 23 | 44 | 34 | 27 | 22 | 30 | 24 | 20 | 26 | 21 | 18 | 23 | 19 | 16 | 14 |

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 | 2.0 |
| 10°-20° | 442.4 | 5.7 |
| 20°-30° | 671.8 | 8.7 |
| 30°-40° | 788.7 | 10.2 |
| 40°-50° | 800.4 | 10.3 |
| 50°-60° | 701.1 | 9.1 |
| 60°-70° | 497.3 | 6.4 |
| 70°-80° | 256.0 | 3.3 |
| 80°-90° | 58.5 | 0.8 |
| 90°-100° | 91.7 | 1.2 |
| 100°-110° | 267.5 | 3.5 |
| 110°-120° | 436.5 | 5.6 |
| 120°-130° | 553.9 | 7.2 |
| 130°-140° | 592.7 | 7.7 |
| 140°-150° | 553.5 | 7.2 |
| 150°-160° | 455.4 | 5.9 |
| 160°-170° | 305.4 | 3.9 |
| 170°-180° | 108.5 | 1.4 |
| 0°-30° | 1272.5 | 16.4 |
| 0°-40° | 2061.2 | 26.6 |
| 0°-60° | 3562.6 | 46.0 |
| 0°-90° | 4374.4 | 56.5 |
| 90°-120° | 795.8 | 10.3 |
| 90°-150° | 2495.9 | 32.2 |
| 90°-180° | 3365.0 | 43.5 |
| 0°-180° | 7739.6 | 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° | 4 | 26 | 4 | 50 | 4 | 4 |
| 95° | 36 | 27 | 36 | 157 | 36 | 44 |
| 105° | 170 | 272 | 170 | 375 | 170 | 181 |
| 115° | 326 | 452 | 326 | 556 | 326 | 321 |
| 125° | 482 | 716 | 482 | 682 | 482 | 431 |
| 135° | 655 | 937 | 655 | 756 | 655 | 506 |
| 145° | 837 | 1080 | 837 | 772 | 837 | 524 |
| 155° | 994 | 1174 | 994 | 801 | 994 | 457 |
| 165° | 1099 | 1224 | 1099 | 922 | 1099 | 309 |
| 175° | 1149 | 1198 | 1149 | 1082 | 1149 | 109 |
| 180° | 1153 | 1153 | 1153 | 1153 | 1153 | |



TEST NUMBER: P1435801

CATALOG NUMBER: SQ2W-FA-K-075U-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° | 6.2 | 7.1 | 8.2 | 11.0 | 14.1 | 14.4 | 11.9 | 10.3 | 10.6 | 10.6 | 10.6 |
| 90° | 3.5 | 8.1 | 14.0 | 18.6 | 22.1 | 23.3 | 23.3 | 24.4 | 25.6 | 25.6 | 25.6 |
| 92.5° | 12.8 | 20.3 | 20.5 | 20.5 | 24.9 | 27.0 | 28.9 | 29.1 | 30.3 | 30.3 | 30.3 |
| 95° | 36.1 | 39.6 | 59.4 | 58.2 | 39.6 | 31.4 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 |
| 97.5° | 68.9 | 74.0 | 77.3 | 103.6 | 109.4 | 105.7 | 86.2 | 72.4 | 64.7 | 61.2 | 64.7 |
| 100° | 97.8 | 100.1 | 107.1 | 108.3 | 137.4 | 165.3 | 151.3 | 133.9 | 128.1 | 124.6 | 128.1 |
| 102.5° | 126.7 | 128.1 | 138.8 | 143.7 | 150.4 | 166.2 | 214.7 | 209.3 | 205.4 | 204.7 | 205.4 |
| 105° | 170.0 | 171.1 | 190.9 | 200.2 | 204.9 | 204.9 | 203.7 | 227.0 | 264.3 | 272.4 | 264.3 |
| 107.5° | 216.3 | 221.7 | 244.9 | 269.9 | 275.2 | 276.6 | 270.6 | 267.1 | 265.7 | 266.6 | 265.7 |
| 110° | 248.0 | 256.1 | 284.1 | 315.5 | 323.6 | 326.0 | 323.6 | 320.2 | 317.8 | 317.8 | 317.8 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 278.7 | 290.6 | 322.3 | 358.3 | 372.1 | 379.1 | 373.9 | 371.4 | 369.1 | 370.9 | 369.1 |
| 115° | 326.0 | 343.4 | 385.4 | 422.6 | 450.5 | 454.0 | 452.9 | 452.9 | 451.7 | 451.7 | 451.7 |
| 117.5° | 369.7 | 397.7 | 444.7 | 488.0 | 520.4 | 529.7 | 534.4 | 533.0 | 531.6 | 533.9 | 531.6 |
| 120° | 400.5 | 433.1 | 486.6 | 535.5 | 567.0 | 580.9 | 585.6 | 583.3 | 585.6 | 583.3 | 585.6 |
| 122.5° | 433.1 | 473.1 | 525.8 | 576.5 | 613.5 | 629.4 | 635.0 | 635.4 | 635.9 | 634.5 | 635.9 |
| 125° | 482.0 | 530.9 | 592.6 | 645.0 | 683.4 | 702.0 | 706.7 | 707.8 | 710.2 | 716.0 | 710.2 |
| 127.5° | 531.3 | 586.8 | 654.5 | 705.0 | 744.4 | 767.0 | 774.2 | 776.8 | 781.6 | 784.2 | 781.6 |
| 130° | 565.8 | 628.7 | 697.4 | 745.1 | 783.5 | 808.0 | 820.8 | 824.3 | 830.1 | 828.9 | 830.1 |
| 132.5° | 602.1 | 667.8 | 737.4 | 787.0 | 822.6 | 848.9 | 859.9 | 869.9 | 872.0 | 873.6 | 872.0 |
| 135° | 655.4 | 726.5 | 796.3 | 845.2 | 879.0 | 904.6 | 918.6 | 927.9 | 933.7 | 937.2 | 933.7 |
| 137.5° | 711.6 | 786.5 | 853.6 | 897.1 | 931.1 | 953.2 | 969.1 | 978.9 | 984.9 | 987.7 | 984.9 |
| 140° | 749.7 | 821.9 | 887.1 | 932.5 | 962.8 | 984.9 | 998.9 | 1010.5 | 1017.5 | 1017.5 | 1017.5 |
| 142.5° | 786.1 | 857.3 | 920.6 | 966.1 | 992.6 | 1012.9 | 1027.8 | 1036.6 | 1044.5 | 1044.5 | 1044.5 |
| 145° | 837.1 | 908.1 | 966.3 | 1011.7 | 1033.8 | 1052.4 | 1068.7 | 1075.7 | 1080.4 | 1080.4 | 1080.4 |
| 147.5° | 890.4 | 953.2 | 1006.3 | 1049.9 | 1068.5 | 1090.4 | 1103.2 | 1108.8 | 1114.6 | 1112.0 | 1114.6 |
| 150° | 922.0 | 980.3 | 1031.5 | 1072.2 | 1090.9 | 1111.8 | 1124.6 | 1129.3 | 1135.1 | 1131.6 | 1135.1 |
| 152.5° | 952.8 | 1008.2 | 1054.8 | 1092.7 | 1108.6 | 1129.5 | 1144.2 | 1148.8 | 1152.8 | 1150.2 | 1152.8 |
| 155° | 994.2 | 1043.1 | 1086.2 | 1121.1 | 1135.1 | 1154.9 | 1168.9 | 1174.7 | 1179.3 | 1173.5 | 1179.3 |
| 157.5° | 1031.2 | 1073.4 | 1110.9 | 1143.0 | 1157.9 | 1174.9 | 1187.9 | 1195.2 | 1199.8 | 1197.3 | 1199.8 |
| 160° | 1053.6 | 1092.0 | 1125.8 | 1156.1 | 1170.0 | 1185.2 | 1199.1 | 1207.3 | 1211.9 | 1208.4 | 1211.9 |
| 162.5° | 1072.2 | 1106.9 | 1138.8 | 1166.3 | 1178.4 | 1191.7 | 1208.4 | 1215.7 | 1220.3 | 1215.9 | 1220.3 |
| 165° | 1099.0 | 1126.9 | 1154.9 | 1178.2 | 1188.6 | 1199.1 | 1216.6 | 1224.7 | 1228.2 | 1223.6 | 1228.2 |
| 167.5° | 1119.3 | 1140.7 | 1163.3 | 1183.3 | 1191.0 | 1201.2 | 1218.7 | 1225.4 | 1229.9 | 1224.0 | 1229.9 |
| 170° | 1130.4 | 1149.1 | 1168.9 | 1185.2 | 1191.0 | 1200.3 | 1217.8 | 1223.6 | 1227.1 | 1221.2 | 1227.1 |
| 172.5° | 1139.8 | 1153.7 | 1169.8 | 1184.2 | 1187.3 | 1194.7 | 1211.2 | 1217.1 | 1219.6 | 1214.7 | 1219.6 |
| 175° | 1149.1 | 1157.2 | 1168.9 | 1178.2 | 1177.0 | 1181.7 | 1195.6 | 1200.3 | 1204.9 | 1198.0 | 1204.9 |
| 177.5° | 1153.5 | 1157.2 | 1160.9 | 1166.5 | 1162.8 | 1162.8 | 1173.0 | 1175.8 | 1176.8 | 1173.0 | 1176.8 |
| 180° | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 |



TEST NUMBER: P1435801

CATALOG NUMBER: SQ2W-FA-K-075U-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° | 10.3 | 11.9 | 14.4 | 14.1 | 11.0 | 8.2 | 7.1 | 6.2 | 9.5 | 12.9 | 15.1 |
| 90° | 24.4 | 23.3 | 23.3 | 22.1 | 18.6 | 14.0 | 8.1 | 3.5 | 8.1 | 12.8 | 21.0 |
| 92.5° | 29.1 | 28.9 | 27.0 | 24.9 | 20.5 | 20.5 | 20.3 | 12.8 | 22.1 | 31.4 | 45.2 |
| 95° | 26.8 | 26.8 | 31.4 | 39.6 | 58.2 | 59.4 | 39.6 | 36.1 | 51.2 | 72.2 | 90.8 |
| 97.5° | 72.4 | 86.2 | 105.7 | 109.4 | 103.6 | 77.3 | 74.0 | 68.9 | 93.8 | 114.6 | 144.6 |
| 100° | 133.9 | 151.3 | 165.3 | 137.4 | 108.3 | 107.1 | 100.1 | 97.8 | 124.6 | 144.4 | 173.5 |
| 102.5° | 209.3 | 214.7 | 166.2 | 150.4 | 143.7 | 138.8 | 128.1 | 126.7 | 153.4 | 180.7 | 205.1 |
| 105° | 227.0 | 203.7 | 204.9 | 204.9 | 200.2 | 190.9 | 171.1 | 170.0 | 200.2 | 231.7 | 261.9 |
| 107.5° | 267.1 | 270.6 | 276.6 | 275.2 | 269.9 | 244.9 | 221.7 | 216.3 | 243.6 | 281.3 | 314.6 |
| 110° | 320.2 | 323.6 | 326.0 | 323.6 | 315.5 | 284.1 | 256.1 | 248.0 | 272.4 | 312.0 | 348.1 |



TEST NUMBER: P1435801

CATALOG NUMBER: SQ2W-FA-K-075U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 371.4 | 373.9 | 379.1 | 372.1 | 358.3 | 322.3 | 290.6 | 278.7 | 303.2 | 343.7 | 380.7 |
| 115° | 452.9 | 452.9 | 454.0 | 450.5 | 422.6 | 385.4 | 343.4 | 326.0 | 346.9 | 384.2 | 424.9 |
| 117.5° | 533.0 | 534.4 | 529.7 | 520.4 | 488.0 | 444.7 | 397.7 | 369.7 | 386.3 | 425.6 | 467.5 |
| 120° | 583.3 | 585.6 | 580.9 | 567.0 | 535.5 | 486.6 | 433.1 | 400.5 | 413.3 | 451.7 | 493.6 |
| 122.5° | 635.4 | 635.0 | 629.4 | 613.5 | 576.5 | 525.8 | 473.1 | 433.1 | 438.4 | 474.1 | 515.0 |
| 125° | 707.8 | 706.7 | 702.0 | 683.4 | 645.0 | 592.6 | 530.9 | 482.0 | 475.0 | 505.3 | 547.2 |
| 127.5° | 776.8 | 774.2 | 767.0 | 744.4 | 705.0 | 654.5 | 586.8 | 531.3 | 515.7 | 534.8 | 573.3 |
| 130° | 824.3 | 820.8 | 808.0 | 783.5 | 745.1 | 697.4 | 628.7 | 565.8 | 543.7 | 555.3 | 589.1 |
| 132.5° | 869.9 | 859.9 | 848.9 | 822.6 | 787.0 | 737.4 | 667.8 | 602.1 | 571.6 | 576.7 | 603.1 |
| 135° | 927.9 | 918.6 | 904.6 | 879.0 | 845.2 | 796.3 | 726.5 | 655.4 | 613.5 | 608.9 | 624.0 |
| 137.5° | 978.9 | 969.1 | 953.2 | 931.1 | 897.1 | 853.6 | 786.5 | 711.6 | 658.7 | 643.1 | 648.9 |
| 140° | 1010.5 | 998.9 | 984.9 | 962.8 | 932.5 | 887.1 | 821.9 | 749.7 | 690.4 | 668.3 | 664.8 |
| 142.5° | 1036.6 | 1027.8 | 1012.9 | 992.6 | 966.1 | 920.6 | 857.3 | 786.1 | 723.0 | 694.3 | 686.2 |
| 145° | 1075.7 | 1068.7 | 1052.4 | 1033.8 | 1011.7 | 966.3 | 908.1 | 837.1 | 774.2 | 736.9 | 719.5 |
| 147.5° | 1108.8 | 1103.2 | 1090.4 | 1068.5 | 1049.9 | 1006.3 | 953.2 | 890.4 | 825.9 | 779.8 | 757.2 |
| 150° | 1129.3 | 1124.6 | 1111.8 | 1090.9 | 1072.2 | 1031.5 | 980.3 | 922.0 | 860.3 | 811.4 | 782.3 |
| 152.5° | 1148.8 | 1144.2 | 1129.5 | 1108.6 | 1092.7 | 1054.8 | 1008.2 | 952.8 | 890.1 | 841.3 | 811.2 |
| 155° | 1174.7 | 1168.9 | 1154.9 | 1135.1 | 1121.1 | 1086.2 | 1043.1 | 994.2 | 940.7 | 889.4 | 855.7 |
| 157.5° | 1195.2 | 1187.9 | 1174.9 | 1157.9 | 1143.0 | 1110.9 | 1073.4 | 1031.2 | 984.4 | 935.6 | 901.1 |
| 160° | 1207.3 | 1199.1 | 1185.2 | 1170.0 | 1156.1 | 1125.8 | 1092.0 | 1053.6 | 1010.5 | 966.3 | 929.0 |
| 162.5° | 1215.7 | 1208.4 | 1191.7 | 1178.4 | 1166.3 | 1138.8 | 1106.9 | 1072.2 | 1033.8 | 995.2 | 960.7 |
| 165° | 1224.7 | 1216.6 | 1199.1 | 1188.6 | 1178.2 | 1154.9 | 1126.9 | 1099.0 | 1066.4 | 1035.0 | 1007.0 |
| 167.5° | 1225.4 | 1218.7 | 1201.2 | 1191.0 | 1183.3 | 1163.3 | 1140.7 | 1119.3 | 1093.9 | 1069.2 | 1045.9 |
| 170° | 1223.6 | 1217.8 | 1200.3 | 1191.0 | 1185.2 | 1168.9 | 1149.1 | 1130.4 | 1110.6 | 1089.7 | 1071.1 |
| 172.5° | 1217.1 | 1211.2 | 1194.7 | 1187.3 | 1184.2 | 1169.8 | 1153.7 | 1139.8 | 1122.8 | 1107.4 | 1092.5 |
| 175° | 1200.3 | 1195.6 | 1181.7 | 1177.0 | 1178.2 | 1168.9 | 1157.2 | 1149.1 | 1138.6 | 1129.3 | 1121.1 |
| 177.5° | 1175.8 | 1173.0 | 1162.8 | 1162.8 | 1166.5 | 1160.9 | 1157.2 | 1153.5 | 1148.8 | 1146.0 | 1143.2 |
| 180° | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 |



TEST NUMBER: P1435801

CATALOG NUMBER: SQ2W-FA-K-075U-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° | 16.3 | 17.9 | 19.5 | 20.5 | 21.4 | 20.9 | 21.4 | 20.5 | 19.5 | 17.9 | 16.3 |
| 90° | 26.8 | 34.9 | 43.1 | 47.7 | 52.4 | 50.1 | 52.4 | 47.7 | 43.1 | 34.9 | 26.8 |
| 92.5° | 53.8 | 67.5 | 77.5 | 85.9 | 89.6 | 89.2 | 89.6 | 85.9 | 77.5 | 67.5 | 53.8 |
| 95° | 108.3 | 124.6 | 140.9 | 152.5 | 159.5 | 157.2 | 159.5 | 152.5 | 140.9 | 124.6 | 108.3 |
| 97.5° | 166.9 | 188.8 | 207.0 | 217.9 | 224.9 | 229.6 | 224.9 | 217.9 | 207.0 | 188.8 | 166.9 |
| 100° | 206.1 | 227.0 | 248.0 | 260.8 | 272.4 | 277.1 | 272.4 | 260.8 | 248.0 | 227.0 | 206.1 |
| 102.5° | 237.7 | 265.2 | 288.0 | 301.8 | 311.5 | 316.2 | 311.5 | 301.8 | 288.0 | 265.2 | 237.7 |
| 105° | 289.9 | 319.0 | 343.4 | 360.9 | 371.4 | 374.9 | 371.4 | 360.9 | 343.4 | 319.0 | 289.9 |
| 107.5° | 342.0 | 372.1 | 394.7 | 414.0 | 426.8 | 434.2 | 426.8 | 414.0 | 394.7 | 372.1 | 342.0 |
| 110° | 383.0 | 407.5 | 431.9 | 449.4 | 462.2 | 466.8 | 462.2 | 449.4 | 431.9 | 407.5 | 383.0 |



TEST NUMBER: P1435801

CATALOG NUMBER: SQ2W-FA-K-075U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 417.5 | 444.7 | 469.2 | 486.6 | 501.3 | 507.8 | 501.3 | 486.6 | 469.2 | 444.7 | 417.5 |
| 115° | 465.7 | 501.8 | 523.9 | 540.2 | 550.7 | 556.5 | 550.7 | 540.2 | 523.9 | 501.8 | 465.7 |
| 117.5° | 505.7 | 543.4 | 567.7 | 580.2 | 585.1 | 589.3 | 585.1 | 580.2 | 567.7 | 543.4 | 505.7 |
| 120° | 530.9 | 565.8 | 593.7 | 610.0 | 615.9 | 618.2 | 615.9 | 610.0 | 593.7 | 565.8 | 530.9 |
| 122.5° | 554.2 | 587.2 | 614.2 | 634.3 | 643.8 | 646.1 | 643.8 | 634.3 | 614.2 | 587.2 | 554.2 |
| 125° | 586.8 | 618.2 | 646.1 | 665.9 | 676.4 | 682.2 | 676.4 | 665.9 | 646.1 | 618.2 | 586.8 |
| 127.5° | 615.2 | 649.2 | 674.8 | 692.7 | 702.9 | 707.6 | 702.9 | 692.7 | 674.8 | 649.2 | 615.2 |
| 130° | 631.0 | 665.9 | 691.5 | 711.3 | 720.6 | 725.3 | 720.6 | 711.3 | 691.5 | 665.9 | 631.0 |
| 132.5° | 643.1 | 679.9 | 706.4 | 724.4 | 734.6 | 739.3 | 734.6 | 724.4 | 706.4 | 679.9 | 643.1 |
| 135° | 657.8 | 696.2 | 724.1 | 741.6 | 750.9 | 755.6 | 750.9 | 741.6 | 724.1 | 696.2 | 657.8 |
| 137.5° | 670.6 | 705.5 | 734.6 | 753.0 | 761.4 | 764.4 | 761.4 | 753.0 | 734.6 | 705.5 | 670.6 |
| 140° | 679.9 | 710.2 | 739.3 | 756.7 | 766.0 | 767.2 | 766.0 | 756.7 | 739.3 | 710.2 | 679.9 |
| 142.5° | 692.0 | 715.7 | 741.1 | 758.6 | 767.9 | 770.0 | 767.9 | 758.6 | 741.1 | 715.7 | 692.0 |
| 145° | 713.7 | 727.6 | 745.1 | 761.4 | 769.5 | 771.9 | 769.5 | 761.4 | 745.1 | 727.6 | 713.7 |
| 147.5° | 740.9 | 745.3 | 754.4 | 765.1 | 773.0 | 774.7 | 773.0 | 765.1 | 754.4 | 745.3 | 740.9 |
| 150° | 761.4 | 760.2 | 763.7 | 770.7 | 777.7 | 776.5 | 777.7 | 770.7 | 763.7 | 760.2 | 761.4 |
| 152.5° | 784.7 | 777.9 | 777.7 | 780.9 | 784.2 | 784.0 | 784.2 | 780.9 | 777.7 | 777.9 | 784.7 |
| 155° | 824.3 | 811.4 | 804.5 | 802.1 | 802.1 | 801.0 | 802.1 | 802.1 | 804.5 | 811.4 | 824.3 |
| 157.5° | 867.8 | 849.9 | 839.4 | 833.8 | 832.2 | 829.6 | 832.2 | 833.8 | 839.4 | 849.9 | 867.8 |
| 160° | 897.6 | 877.8 | 867.3 | 858.0 | 854.5 | 851.0 | 854.5 | 858.0 | 867.3 | 877.8 | 897.6 |
| 162.5° | 925.5 | 906.7 | 895.3 | 886.9 | 883.4 | 878.0 | 883.4 | 886.9 | 895.3 | 906.7 | 925.5 |
| 165° | 970.9 | 951.2 | 938.3 | 931.4 | 926.7 | 922.0 | 926.7 | 931.4 | 938.3 | 951.2 | 970.9 |
| 167.5° | 1016.3 | 994.7 | 986.3 | 978.4 | 974.0 | 965.6 | 974.0 | 978.4 | 986.3 | 994.7 | 1016.3 |
| 170° | 1044.3 | 1024.5 | 1019.8 | 1012.9 | 1004.7 | 995.4 | 1004.7 | 1012.9 | 1019.8 | 1024.5 | 1044.3 |
| 172.5° | 1068.5 | 1055.2 | 1050.6 | 1043.6 | 1041.0 | 1033.6 | 1041.0 | 1043.6 | 1050.6 | 1055.2 | 1068.5 |
| 175° | 1103.7 | 1093.2 | 1093.2 | 1092.0 | 1088.5 | 1081.5 | 1088.5 | 1092.0 | 1093.2 | 1093.2 | 1103.7 |
| 177.5° | 1133.0 | 1127.4 | 1131.1 | 1131.1 | 1130.2 | 1123.7 | 1130.2 | 1131.1 | 1131.1 | 1127.4 | 1133.0 |
| 180° | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 |



TEST NUMBER: P1435801

CATALOG NUMBER: SQ2W-FA-K-075U-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° | 15.1 | 12.9 | 9.5 | 6.2 |
| 90° | 21.0 | 12.8 | 8.1 | 3.5 |
| 92.5° | 45.2 | 31.4 | 22.1 | 12.8 |
| 95° | 90.8 | 72.2 | 51.2 | 36.1 |
| 97.5° | 144.6 | 114.6 | 93.8 | 68.9 |
| 100° | 173.5 | 144.4 | 124.6 | 97.8 |
| 102.5° | 205.1 | 180.7 | 153.4 | 126.7 |
| 105° | 261.9 | 231.7 | 200.2 | 170.0 |
| 107.5° | 314.6 | 281.3 | 243.6 | 216.3 |
| 110° | 348.1 | 312.0 | 272.4 | 248.0 |



TEST NUMBER: P1435801

CATALOG NUMBER: SQ2W-FA-K-075U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|
| 112.5° | 380.7 | 343.7 | 303.2 | 278.7 |
| 115° | 424.9 | 384.2 | 346.9 | 326.0 |
| 117.5° | 467.5 | 425.6 | 386.3 | 369.7 |
| 120° | 493.6 | 451.7 | 413.3 | 400.5 |
| 122.5° | 515.0 | 474.1 | 438.4 | 433.1 |
| 125° | 547.2 | 505.3 | 475.0 | 482.0 |
| 127.5° | 573.3 | 534.8 | 515.7 | 531.3 |
| 130° | 589.1 | 555.3 | 543.7 | 565.8 |
| 132.5° | 603.1 | 576.7 | 571.6 | 602.1 |
| 135° | 624.0 | 608.9 | 613.5 | 655.4 |
| 137.5° | 648.9 | 643.1 | 658.7 | 711.6 |
| 140° | 664.8 | 668.3 | 690.4 | 749.7 |
| 142.5° | 686.2 | 694.3 | 723.0 | 786.1 |
| 145° | 719.5 | 736.9 | 774.2 | 837.1 |
| 147.5° | 757.2 | 779.8 | 825.9 | 890.4 |
| 150° | 782.3 | 811.4 | 860.3 | 922.0 |
| 152.5° | 811.2 | 841.3 | 890.1 | 952.8 |
| 155° | 855.7 | 889.4 | 940.7 | 994.2 |
| 157.5° | 901.1 | 935.6 | 984.4 | 1031.2 |
| 160° | 929.0 | 966.3 | 1010.5 | 1053.6 |
| 162.5° | 960.7 | 995.2 | 1033.8 | 1072.2 |
| 165° | 1007.0 | 1035.0 | 1066.4 | 1099.0 |
| 167.5° | 1045.9 | 1069.2 | 1093.9 | 1119.3 |
| 170° | 1071.1 | 1089.7 | 1110.6 | 1130.4 |
| 172.5° | 1092.5 | 1107.4 | 1122.8 | 1139.8 |
| 175° | 1121.1 | 1129.3 | 1138.6 | 1149.1 |
| 177.5° | 1143.2 | 1146.0 | 1148.8 | 1153.5 |
| 180° | 1152.6 | 1152.6 | 1152.6 | 1152.6 |



TEST NUMBER: P1435801
 CATALOG NUMBER: SQ2W-FA-K-075U-100D-L840-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 | 18.59 | 19.51 | 19.49 | 20.43 | 21.60 | 19.79 | 20.71 | 20.68 | 21.63 | 22.80 |
| | 3H | 19.68 | 20.51 | 20.59 | 21.43 | 22.63 | 21.03 | 21.86 | 21.95 | 22.79 | 23.99 |
| | 4H | 20.04 | 20.82 | 20.96 | 21.75 | 22.96 | 21.43 | 22.21 | 22.35 | 23.14 | 24.35 |
| | 6H | 20.20 | 20.92 | 21.14 | 21.86 | 23.08 | 21.59 | 22.31 | 22.53 | 23.25 | 24.47 |
| | 8H | 20.24 | 20.92 | 21.18 | 21.88 | 23.10 | 21.62 | 22.30 | 22.56 | 23.26 | 24.48 |
| | 12H | 20.23 | 20.89 | 21.19 | 21.84 | 23.08 | 21.60 | 22.25 | 22.55 | 23.21 | 24.45 |
| 4H | 2H | 19.46 | 20.24 | 20.39 | 21.18 | 22.39 | 20.38 | 21.16 | 21.31 | 22.09 | 23.30 |
| | 3H | 20.86 | 21.51 | 21.80 | 22.47 | 23.69 | 21.85 | 22.50 | 22.79 | 23.46 | 24.68 |
| | 4H | 21.31 | 21.91 | 22.27 | 22.87 | 24.11 | 22.32 | 22.92 | 23.28 | 23.88 | 25.12 |
| | 6H | 21.55 | 22.06 | 22.51 | 23.04 | 24.29 | 22.55 | 23.06 | 23.52 | 24.04 | 25.29 |
| | 8H | 21.61 | 22.08 | 22.57 | 23.06 | 24.32 | 22.60 | 23.08 | 23.57 | 24.05 | 25.31 |
| | 12H | 21.61 | 22.04 | 22.60 | 23.03 | 24.30 | 22.59 | 23.02 | 23.58 | 24.01 | 25.28 |
| 8H | 4H | 21.70 | 22.18 | 22.67 | 23.16 | 24.42 | 22.52 | 23.00 | 23.49 | 23.98 | 25.24 |
| | 6H | 22.06 | 22.45 | 23.05 | 23.47 | 24.73 | 22.84 | 23.24 | 23.83 | 24.25 | 25.51 |
| | 8H | 22.17 | 22.52 | 23.18 | 23.53 | 24.81 | 22.94 | 23.29 | 23.94 | 24.29 | 25.57 |
| | 12H | 22.21 | 22.52 | 23.22 | 23.52 | 24.84 | 22.96 | 23.26 | 23.96 | 24.26 | 25.59 |
| 12H | 4H | 21.71 | 22.14 | 22.70 | 23.13 | 24.40 | 22.50 | 22.93 | 23.48 | 23.92 | 25.19 |
| | 6H | 22.13 | 22.47 | 23.13 | 23.48 | 24.76 | 22.86 | 23.21 | 23.86 | 24.21 | 25.49 |
| | 8H | 22.27 | 22.58 | 23.28 | 23.58 | 24.91 | 22.98 | 23.28 | 23.98 | 24.28 | 25.61 |