

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: P1428281

Luminaire Tested: SQ2W-PR1-K-125U-075D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428281
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PR1-K-125U-075D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

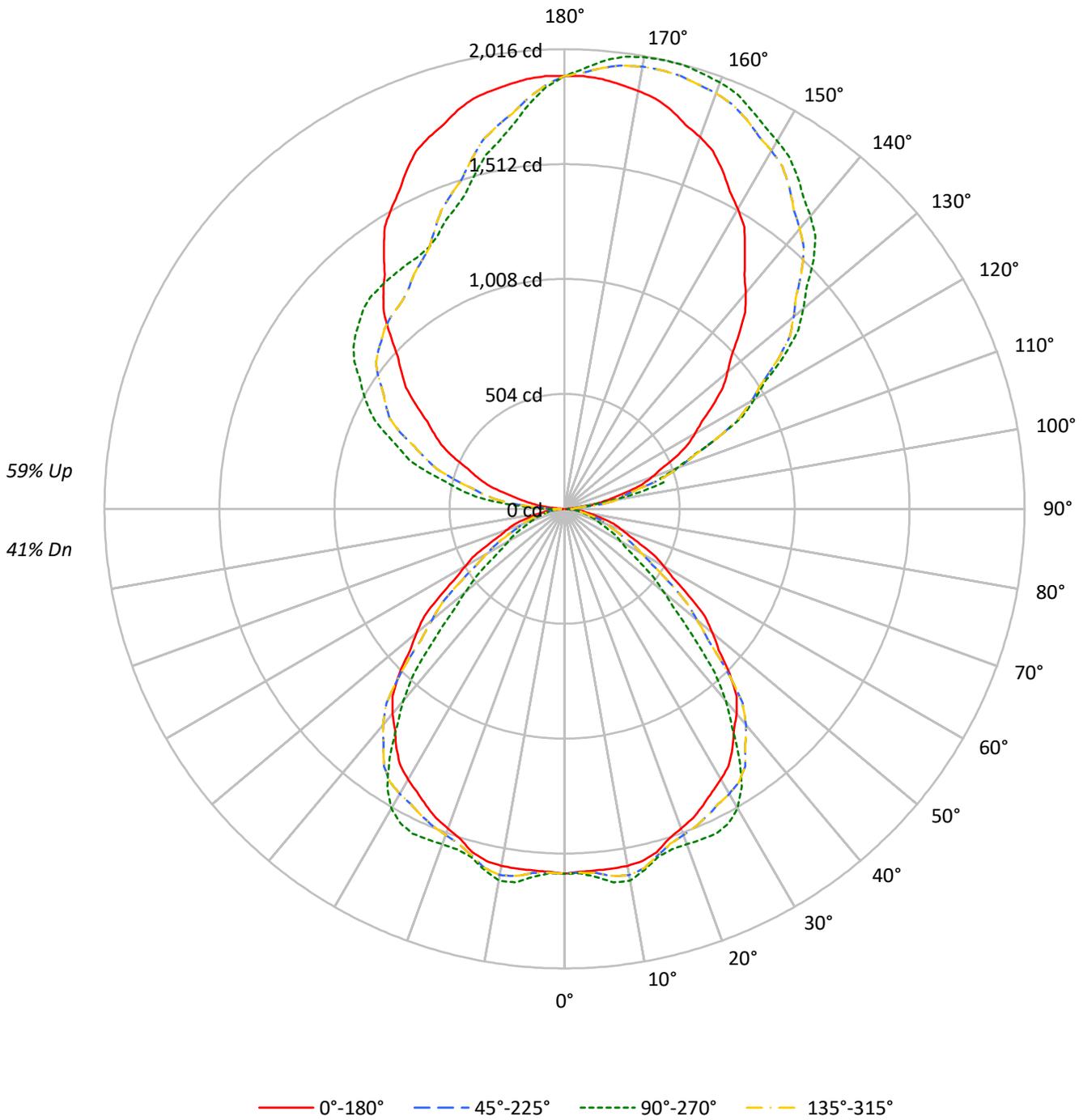
Lumens per Lamp: N/A
Luminaire Lumens: 9399.6 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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: P1428281

CATALOG NUMBER: SQ2W-PR1-K-125U-075D-L830-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1428281

CATALOG NUMBER: SQ2W-PR1-K-125U-075D-L830-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 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 105 | 105 | 105 | 105 | 96 | 96 | 96 | 96 | 78 | 78 | 78 | 62 | 62 | 62 | 48 | 48 | 48 | 41 | | | | 41 |
| 1 | 96 | 92 | 89 | 85 | 88 | 84 | 81 | 78 | 69 | 67 | 65 | 56 | 54 | 53 | 43 | 42 | 41 | | | | 36 | |
| 2 | 88 | 81 | 75 | 70 | 80 | 74 | 69 | 65 | 61 | 58 | 55 | 49 | 47 | 45 | 39 | 37 | 36 | | | | 31 | |
| 3 | 81 | 72 | 65 | 59 | 73 | 66 | 60 | 55 | 55 | 50 | 47 | 44 | 41 | 39 | 35 | 33 | 31 | | | | 26 | |
| 4 | 74 | 64 | 56 | 50 | 67 | 58 | 52 | 47 | 49 | 44 | 40 | 40 | 36 | 33 | 31 | 29 | 27 | | | | 23 | |
| 5 | 68 | 57 | 49 | 43 | 62 | 52 | 46 | 40 | 44 | 39 | 35 | 36 | 32 | 29 | 28 | 26 | 24 | | | | 20 | |
| 6 | 63 | 51 | 43 | 38 | 57 | 47 | 40 | 35 | 39 | 34 | 30 | 32 | 29 | 26 | 26 | 23 | 21 | | | | 18 | |
| 7 | 58 | 46 | 38 | 33 | 53 | 43 | 36 | 31 | 36 | 31 | 27 | 29 | 26 | 23 | 24 | 21 | 19 | | | | 16 | |
| 8 | 54 | 42 | 34 | 29 | 49 | 39 | 32 | 27 | 33 | 28 | 24 | 27 | 23 | 20 | 22 | 19 | 17 | | | | 14 | |
| 9 | 50 | 38 | 31 | 26 | 46 | 35 | 29 | 24 | 30 | 25 | 21 | 25 | 21 | 18 | 20 | 17 | 15 | | | | 13 | |
| 10 | 47 | 35 | 28 | 23 | 43 | 32 | 26 | 22 | 28 | 23 | 19 | 23 | 19 | 17 | 19 | 16 | 14 | | | | 12 | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 25834 | 25834 | 25834 | 25834 |
| 5° | 25800 | 26277 | 25800 | 26277 |
| 10° | 26072 | 27141 | 26072 | 27141 |
| 15° | 26064 | 26418 | 26064 | 26418 |
| 20° | 25642 | 26903 | 25642 | 26903 |
| 25° | 25569 | 28010 | 25569 | 28010 |
| 30° | 25543 | 28280 | 25543 | 28280 |
| 35° | 25300 | 26329 | 25300 | 26329 |
| 40° | 24716 | 23169 | 24716 | 23169 |
| 45° | 23388 | 18324 | 23388 | 18324 |
| 50° | 21262 | 14217 | 21262 | 14217 |
| 55° | 18685 | 11065 | 18685 | 11065 |
| 60° | 16168 | 9113 | 16168 | 9113 |
| 65° | 13960 | 7977 | 13960 | 7977 |
| 70° | 12552 | 7086 | 12552 | 7086 |
| 75° | 11497 | 6513 | 11497 | 6513 |
| 80° | 10004 | 6369 | 10004 | 6369 |
| 85° | 7243 | 3020 | 7243 | 3020 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 25110 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 154.5 | 1.6 |
| 10°-20° | 447.3 | 4.8 |
| 20°-30° | 691.5 | 7.4 |
| 30°-40° | 831.6 | 8.8 |
| 40°-50° | 746.7 | 7.9 |
| 50°-60° | 500.3 | 5.3 |
| 60°-70° | 291.1 | 3.1 |
| 70°-80° | 149.5 | 1.6 |
| 80°-90° | 44.7 | 0.5 |
| 90°-100° | 151.1 | 1.6 |
| 100°-110° | 440.5 | 4.7 |
| 110°-120° | 719.0 | 7.6 |
| 120°-130° | 912.3 | 9.7 |
| 130°-140° | 976.2 | 10.4 |
| 140°-150° | 911.5 | 9.7 |
| 150°-160° | 750.1 | 8.0 |
| 160°-170° | 503.1 | 5.4 |
| 170°-180° | 178.6 | 1.9 |
| 0°-30° | 1293.3 | 13.8 |
| 0°-40° | 2124.9 | 22.6 |
| 0°-60° | 3372.0 | 35.9 |
| 0°-90° | 3857.3 | 41.0 |
| 90°-120° | 1310.6 | 13.9 |
| 90°-150° | 4110.6 | 43.7 |
| 90°-180° | 5542.0 | 59.0 |
| 0°-180° | 9399.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1600 | 1600 | 1600 | 1600 | 1600 | |
| 5° | 1592 | 1621 | 1592 | 1621 | 1592 | 152 |
| 15° | 1559 | 1580 | 1559 | 1580 | 1559 | 438 |
| 25° | 1435 | 1572 | 1435 | 1572 | 1435 | 662 |
| 35° | 1284 | 1336 | 1284 | 1336 | 1284 | 800 |
| 45° | 1024 | 802 | 1024 | 802 | 1024 | 784 |
| 55° | 664 | 393 | 664 | 393 | 664 | 597 |
| 65° | 365 | 209 | 365 | 209 | 365 | 370 |
| 75° | 184 | 104 | 184 | 104 | 184 | 196 |
| 85° | 39 | 16 | 39 | 16 | 39 | 49 |
| 90° | 6 | 42 | 6 | 82 | 6 | 6 |
| 95° | 59 | 44 | 59 | 259 | 59 | 72 |
| 105° | 280 | 449 | 280 | 617 | 280 | 298 |
| 115° | 537 | 744 | 537 | 916 | 537 | 529 |
| 125° | 794 | 1179 | 794 | 1124 | 794 | 710 |
| 135° | 1080 | 1544 | 1080 | 1244 | 1080 | 834 |
| 145° | 1379 | 1779 | 1379 | 1271 | 1379 | 863 |
| 155° | 1637 | 1933 | 1637 | 1319 | 1637 | 753 |
| 165° | 1810 | 2015 | 1810 | 1519 | 1810 | 510 |
| 175° | 1892 | 1973 | 1892 | 1781 | 1892 | 180 |
| 180° | 1898 | 1898 | 1898 | 1898 | 1898 | |



TEST NUMBER: P1428281

CATALOG NUMBER: SQ2W-PR1-K-125U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1600.1 | 1600.1 | 1600.1 | 1600.1 | 1600.1 | 1600.1 | 1600.1 | 1600.1 | 1600.1 | 1600.1 | 1600.1 |
| 2.5° | 1593.5 | 1602.2 | 1610.9 | 1607.0 | 1598.9 | 1595.1 | 1595.7 | 1596.6 | 1598.3 | 1600.1 | 1598.3 |
| 5° | 1591.9 | 1604.2 | 1616.5 | 1613.6 | 1605.7 | 1602.4 | 1603.9 | 1606.8 | 1614.0 | 1621.3 | 1614.0 |
| 7.5° | 1591.6 | 1609.1 | 1626.7 | 1628.0 | 1623.9 | 1624.0 | 1628.2 | 1633.8 | 1643.3 | 1652.9 | 1643.3 |
| 10° | 1590.3 | 1611.3 | 1632.3 | 1635.4 | 1632.5 | 1631.4 | 1632.1 | 1635.2 | 1645.4 | 1655.5 | 1645.4 |
| 12.5° | 1582.4 | 1606.9 | 1631.4 | 1628.9 | 1617.3 | 1611.0 | 1609.9 | 1610.6 | 1616.1 | 1621.6 | 1616.1 |
| 15° | 1559.3 | 1588.3 | 1617.3 | 1605.5 | 1580.1 | 1568.5 | 1570.7 | 1573.2 | 1576.9 | 1580.5 | 1576.9 |
| 17.5° | 1518.5 | 1548.8 | 1579.1 | 1568.5 | 1544.3 | 1536.1 | 1543.9 | 1551.6 | 1558.7 | 1565.8 | 1558.7 |
| 20° | 1492.4 | 1522.1 | 1551.8 | 1544.6 | 1525.0 | 1520.3 | 1530.5 | 1541.2 | 1553.5 | 1565.8 | 1553.5 |
| 22.5° | 1468.9 | 1498.6 | 1528.4 | 1523.7 | 1507.6 | 1506.7 | 1520.9 | 1535.8 | 1552.8 | 1569.7 | 1552.8 |
| 25° | 1435.3 | 1461.4 | 1487.5 | 1488.1 | 1480.1 | 1488.1 | 1512.0 | 1534.6 | 1553.5 | 1572.3 | 1553.5 |
| 27.5° | 1400.1 | 1415.5 | 1430.8 | 1441.0 | 1449.4 | 1469.8 | 1502.1 | 1529.6 | 1542.8 | 1556.0 | 1542.8 |
| 30° | 1370.1 | 1380.2 | 1390.4 | 1409.2 | 1431.0 | 1456.0 | 1484.2 | 1506.7 | 1511.8 | 1516.9 | 1511.8 |
| 32.5° | 1337.5 | 1343.5 | 1349.6 | 1376.2 | 1409.5 | 1433.7 | 1448.6 | 1458.2 | 1451.6 | 1445.1 | 1451.6 |
| 35° | 1283.6 | 1288.7 | 1293.8 | 1327.7 | 1371.2 | 1387.1 | 1375.5 | 1363.4 | 1349.6 | 1335.8 | 1349.6 |
| 37.5° | 1219.7 | 1230.1 | 1240.6 | 1268.2 | 1301.5 | 1301.2 | 1267.3 | 1237.9 | 1222.1 | 1206.3 | 1222.1 |
| 40° | 1172.7 | 1190.1 | 1207.5 | 1226.0 | 1244.8 | 1228.9 | 1178.2 | 1135.6 | 1117.4 | 1099.3 | 1117.4 |
| 42.5° | 1115.3 | 1143.1 | 1171.0 | 1175.1 | 1171.3 | 1137.1 | 1072.5 | 1018.4 | 996.2 | 974.1 | 996.2 |
| 45° | 1024.3 | 1062.0 | 1099.7 | 1078.1 | 1036.8 | 981.0 | 910.7 | 851.8 | 827.1 | 802.5 | 827.1 |
| 47.5° | 917.0 | 955.7 | 994.4 | 953.7 | 886.6 | 821.6 | 758.9 | 706.0 | 683.0 | 659.9 | 683.0 |
| 50° | 846.5 | 877.7 | 908.9 | 862.8 | 791.1 | 725.8 | 667.1 | 616.7 | 591.3 | 566.0 | 591.3 |
| 52.5° | 774.7 | 797.2 | 819.7 | 774.1 | 705.8 | 642.3 | 583.6 | 533.8 | 510.7 | 487.7 | 510.7 |
| 55° | 663.8 | 675.4 | 687.0 | 644.8 | 584.6 | 526.6 | 470.8 | 425.0 | 409.0 | 393.1 | 409.0 |
| 57.5° | 562.1 | 569.5 | 576.8 | 536.8 | 481.0 | 429.4 | 382.0 | 343.5 | 331.8 | 320.0 | 331.8 |
| 60° | 500.7 | 505.8 | 510.9 | 470.3 | 414.5 | 368.1 | 331.1 | 301.0 | 291.6 | 282.2 | 291.6 |
| 62.5° | 444.6 | 448.5 | 452.5 | 413.3 | 359.8 | 318.3 | 288.9 | 265.1 | 258.0 | 250.9 | 258.0 |
| 65° | 365.4 | 369.0 | 372.6 | 339.3 | 293.6 | 259.5 | 237.0 | 218.9 | 213.8 | 208.8 | 213.8 |
| 67.5° | 302.4 | 304.3 | 306.2 | 278.7 | 241.4 | 214.0 | 196.3 | 181.8 | 177.0 | 172.2 | 177.0 |
| 70° | 265.9 | 266.6 | 267.3 | 243.0 | 210.4 | 186.1 | 170.2 | 157.3 | 153.7 | 150.1 | 153.7 |
| 72.5° | 233.2 | 232.2 | 231.2 | 209.5 | 181.0 | 160.2 | 147.1 | 136.7 | 134.3 | 131.8 | 134.3 |
| 75° | 184.3 | 182.1 | 180.0 | 162.0 | 138.8 | 122.9 | 114.2 | 107.3 | 105.8 | 104.4 | 105.8 |
| 77.5° | 137.7 | 135.3 | 133.0 | 118.1 | 98.9 | 87.9 | 85.0 | 82.9 | 82.9 | 82.9 | 82.9 |
| 80° | 107.6 | 104.7 | 101.8 | 90.3 | 75.8 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 |
| 82.5° | 80.2 | 76.2 | 72.1 | 65.0 | 56.9 | 52.8 | 52.8 | 52.7 | 52.1 | 51.5 | 52.1 |
| 85° | 39.1 | 35.5 | 31.9 | 31.0 | 31.0 | 28.8 | 24.5 | 20.7 | 18.5 | 16.3 | 18.5 |
| 87.5° | 11.6 | 13.1 | 15.0 | 14.4 | 12.7 | 11.6 | 11.6 | 12.0 | 12.4 | 12.4 | 12.4 |
| 90° | 5.8 | 13.4 | 23.0 | 30.7 | 36.4 | 38.3 | 38.3 | 40.3 | 42.2 | 42.2 | 42.2 |
| 92.5° | 21.1 | 33.4 | 33.7 | 33.7 | 41.0 | 44.5 | 47.6 | 47.9 | 49.9 | 49.9 | 49.9 |
| 95° | 59.4 | 65.2 | 97.8 | 95.9 | 65.2 | 51.8 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 |
| 97.5° | 113.5 | 121.9 | 127.3 | 170.6 | 180.2 | 174.1 | 141.9 | 119.3 | 106.6 | 100.9 | 106.6 |
| 100° | 161.1 | 164.9 | 176.4 | 178.3 | 226.2 | 272.3 | 249.3 | 220.5 | 210.9 | 205.2 | 210.9 |
| 102.5° | 208.6 | 210.9 | 228.5 | 236.6 | 247.7 | 273.8 | 353.6 | 344.7 | 338.2 | 337.1 | 338.2 |
| 105° | 279.9 | 281.9 | 314.4 | 329.8 | 337.5 | 337.5 | 335.5 | 373.9 | 435.2 | 448.7 | 435.2 |
| 107.5° | 356.2 | 365.1 | 403.4 | 444.4 | 453.3 | 455.6 | 445.6 | 439.8 | 437.5 | 439.1 | 437.5 |
| 110° | 408.4 | 421.8 | 467.8 | 519.6 | 533.0 | 536.9 | 533.0 | 527.3 | 523.4 | 523.4 | 523.4 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 459.0 | 478.6 | 530.7 | 590.2 | 612.8 | 624.3 | 615.9 | 611.6 | 607.8 | 610.9 | 607.8 |
| 115° | 536.9 | 565.6 | 634.6 | 696.0 | 742.0 | 747.8 | 745.9 | 745.9 | 743.9 | 743.9 | 743.9 |
| 117.5° | 609.0 | 655.0 | 732.4 | 803.8 | 857.1 | 872.4 | 880.1 | 877.8 | 875.5 | 879.3 | 875.5 |
| 120° | 659.6 | 713.3 | 801.5 | 882.0 | 933.8 | 956.8 | 964.4 | 960.6 | 964.4 | 960.6 | 964.4 |
| 122.5° | 713.3 | 779.2 | 865.9 | 949.5 | 1010.5 | 1036.5 | 1045.7 | 1046.5 | 1047.3 | 1045.0 | 1047.3 |
| 125° | 793.8 | 874.3 | 975.9 | 1062.2 | 1125.5 | 1156.2 | 1163.8 | 1165.8 | 1169.6 | 1179.2 | 1169.6 |
| 127.5° | 875.1 | 966.4 | 1077.9 | 1161.2 | 1226.0 | 1263.2 | 1275.0 | 1279.3 | 1287.3 | 1291.5 | 1287.3 |
| 130° | 931.8 | 1035.4 | 1148.5 | 1227.1 | 1290.4 | 1330.7 | 1351.7 | 1357.5 | 1367.1 | 1365.2 | 1367.1 |
| 132.5° | 991.7 | 1099.8 | 1214.5 | 1296.1 | 1354.8 | 1398.1 | 1416.2 | 1432.7 | 1436.1 | 1438.8 | 1436.1 |
| 135° | 1079.5 | 1196.4 | 1311.5 | 1392.0 | 1447.6 | 1489.8 | 1512.8 | 1528.1 | 1537.7 | 1543.5 | 1537.7 |
| 137.5° | 1171.9 | 1295.4 | 1405.8 | 1477.5 | 1533.5 | 1569.9 | 1596.0 | 1612.1 | 1622.1 | 1626.7 | 1622.1 |
| 140° | 1234.8 | 1353.7 | 1461.0 | 1535.8 | 1585.7 | 1622.1 | 1645.1 | 1664.3 | 1675.8 | 1675.8 | 1675.8 |
| 142.5° | 1294.6 | 1411.9 | 1516.3 | 1591.0 | 1634.7 | 1668.1 | 1692.6 | 1707.2 | 1720.3 | 1720.3 | 1720.3 |
| 145° | 1378.6 | 1495.5 | 1591.4 | 1666.2 | 1702.6 | 1733.3 | 1760.1 | 1771.6 | 1779.3 | 1779.3 | 1779.3 |
| 147.5° | 1466.4 | 1569.9 | 1657.4 | 1729.1 | 1759.8 | 1795.8 | 1816.9 | 1826.1 | 1835.7 | 1831.5 | 1835.7 |
| 150° | 1518.6 | 1614.4 | 1698.8 | 1765.9 | 1796.6 | 1831.1 | 1852.2 | 1859.8 | 1869.4 | 1863.7 | 1869.4 |
| 152.5° | 1569.2 | 1660.4 | 1737.1 | 1799.6 | 1825.7 | 1860.2 | 1884.4 | 1892.1 | 1898.6 | 1894.4 | 1898.6 |
| 155° | 1637.4 | 1718.0 | 1788.9 | 1846.4 | 1869.4 | 1902.0 | 1925.0 | 1934.6 | 1942.3 | 1932.7 | 1942.3 |
| 157.5° | 1698.4 | 1767.8 | 1829.5 | 1882.5 | 1907.0 | 1935.0 | 1956.5 | 1968.4 | 1976.0 | 1971.8 | 1976.0 |
| 160° | 1735.2 | 1798.5 | 1854.1 | 1903.9 | 1927.0 | 1951.9 | 1974.9 | 1988.3 | 1996.0 | 1990.2 | 1996.0 |
| 162.5° | 1765.9 | 1823.0 | 1875.6 | 1920.8 | 1940.8 | 1962.6 | 1990.2 | 2002.1 | 2009.8 | 2002.5 | 2009.8 |
| 165° | 1810.0 | 1856.0 | 1902.0 | 1940.4 | 1957.6 | 1974.9 | 2003.6 | 2017.1 | 2022.8 | 2015.1 | 2022.8 |
| 167.5° | 1843.4 | 1878.6 | 1915.8 | 1948.8 | 1961.5 | 1978.3 | 2007.1 | 2018.2 | 2025.5 | 2015.9 | 2025.5 |
| 170° | 1861.8 | 1892.4 | 1925.0 | 1951.9 | 1961.5 | 1976.8 | 2005.6 | 2015.1 | 2020.9 | 2011.3 | 2020.9 |
| 172.5° | 1877.1 | 1900.1 | 1926.6 | 1950.3 | 1955.3 | 1967.6 | 1994.8 | 2004.4 | 2008.6 | 2000.6 | 2008.6 |
| 175° | 1892.4 | 1905.9 | 1925.0 | 1940.4 | 1938.5 | 1946.1 | 1969.1 | 1976.8 | 1984.5 | 1973.0 | 1984.5 |
| 177.5° | 1899.7 | 1905.9 | 1912.0 | 1921.2 | 1915.1 | 1915.1 | 1931.9 | 1936.5 | 1938.1 | 1931.9 | 1938.1 |
| 180° | 1898.2 | 1898.2 | 1898.2 | 1898.2 | 1898.2 | 1898.2 | 1898.2 | 1898.2 | 1898.2 | 1898.2 | 1898.2 |



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CATALOG NUMBER: SQ2W-PR1-K-125U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1600.1 | 1600.1 | 1600.1 | 1600.1 | 1600.1 | 1600.1 | 1600.1 | 1600.1 | 1600.1 | 1600.1 | 1600.1 |
| 2.5° | 1596.6 | 1595.7 | 1595.1 | 1598.9 | 1607.0 | 1610.9 | 1602.2 | 1593.5 | 1602.2 | 1610.9 | 1607.0 |
| 5° | 1606.8 | 1603.9 | 1602.4 | 1605.7 | 1613.6 | 1616.5 | 1604.2 | 1591.9 | 1604.2 | 1616.5 | 1613.6 |
| 7.5° | 1633.8 | 1628.2 | 1624.0 | 1623.9 | 1628.0 | 1626.7 | 1609.1 | 1591.6 | 1609.1 | 1626.7 | 1628.0 |
| 10° | 1635.2 | 1632.1 | 1631.4 | 1632.5 | 1635.4 | 1632.3 | 1611.3 | 1590.3 | 1611.3 | 1632.3 | 1635.4 |
| 12.5° | 1610.6 | 1609.9 | 1611.0 | 1617.3 | 1628.9 | 1631.4 | 1606.9 | 1582.4 | 1606.9 | 1631.4 | 1628.9 |
| 15° | 1573.2 | 1570.7 | 1568.5 | 1580.1 | 1605.5 | 1617.3 | 1588.3 | 1559.3 | 1588.3 | 1617.3 | 1605.5 |
| 17.5° | 1551.6 | 1543.9 | 1536.1 | 1544.3 | 1568.5 | 1579.1 | 1548.8 | 1518.5 | 1548.8 | 1579.1 | 1568.5 |
| 20° | 1541.2 | 1530.5 | 1520.3 | 1525.0 | 1544.6 | 1551.8 | 1522.1 | 1492.4 | 1522.1 | 1551.8 | 1544.6 |
| 22.5° | 1535.8 | 1520.9 | 1506.7 | 1507.6 | 1523.7 | 1528.4 | 1498.6 | 1468.9 | 1498.6 | 1528.4 | 1523.7 |
| 25° | 1534.6 | 1512.0 | 1488.1 | 1480.1 | 1488.1 | 1487.5 | 1461.4 | 1435.3 | 1461.4 | 1487.5 | 1488.1 |
| 27.5° | 1529.6 | 1502.1 | 1469.8 | 1449.4 | 1441.0 | 1430.8 | 1415.5 | 1400.1 | 1415.5 | 1430.8 | 1441.0 |
| 30° | 1506.7 | 1484.2 | 1456.0 | 1431.0 | 1409.2 | 1390.4 | 1380.2 | 1370.1 | 1380.2 | 1390.4 | 1409.2 |
| 32.5° | 1458.2 | 1448.6 | 1433.7 | 1409.5 | 1376.2 | 1349.6 | 1343.5 | 1337.5 | 1343.5 | 1349.6 | 1376.2 |
| 35° | 1363.4 | 1375.5 | 1387.1 | 1371.2 | 1327.7 | 1293.8 | 1288.7 | 1283.6 | 1288.7 | 1293.8 | 1327.7 |
| 37.5° | 1237.9 | 1267.3 | 1301.2 | 1301.5 | 1268.2 | 1240.6 | 1230.1 | 1219.7 | 1230.1 | 1240.6 | 1268.2 |
| 40° | 1135.6 | 1178.2 | 1228.9 | 1244.8 | 1226.0 | 1207.5 | 1190.1 | 1172.7 | 1190.1 | 1207.5 | 1226.0 |
| 42.5° | 1018.4 | 1072.5 | 1137.1 | 1171.3 | 1175.1 | 1171.0 | 1143.1 | 1115.3 | 1143.1 | 1171.0 | 1175.1 |
| 45° | 851.8 | 910.7 | 981.0 | 1036.8 | 1078.1 | 1099.7 | 1062.0 | 1024.3 | 1062.0 | 1099.7 | 1078.1 |
| 47.5° | 706.0 | 758.9 | 821.6 | 886.6 | 953.7 | 994.4 | 955.7 | 917.0 | 955.7 | 994.4 | 953.7 |
| 50° | 616.7 | 667.1 | 725.8 | 791.1 | 862.8 | 908.9 | 877.7 | 846.5 | 877.7 | 908.9 | 862.8 |
| 52.5° | 533.8 | 583.6 | 642.3 | 705.8 | 774.1 | 819.7 | 797.2 | 774.7 | 797.2 | 819.7 | 774.1 |
| 55° | 425.0 | 470.8 | 526.6 | 584.6 | 644.8 | 687.0 | 675.4 | 663.8 | 675.4 | 687.0 | 644.8 |
| 57.5° | 343.5 | 382.0 | 429.4 | 481.0 | 536.8 | 576.8 | 569.5 | 562.1 | 569.5 | 576.8 | 536.8 |
| 60° | 301.0 | 331.1 | 368.1 | 414.5 | 470.3 | 510.9 | 505.8 | 500.7 | 505.8 | 510.9 | 470.3 |
| 62.5° | 265.1 | 288.9 | 318.3 | 359.8 | 413.3 | 452.5 | 448.5 | 444.6 | 448.5 | 452.5 | 413.3 |
| 65° | 218.9 | 237.0 | 259.5 | 293.6 | 339.3 | 372.6 | 369.0 | 365.4 | 369.0 | 372.6 | 339.3 |
| 67.5° | 181.8 | 196.3 | 214.0 | 241.4 | 278.7 | 306.2 | 304.3 | 302.4 | 304.3 | 306.2 | 278.7 |
| 70° | 157.3 | 170.2 | 186.1 | 210.4 | 243.0 | 267.3 | 266.6 | 265.9 | 266.6 | 267.3 | 243.0 |
| 72.5° | 136.7 | 147.1 | 160.2 | 181.0 | 209.5 | 231.2 | 232.2 | 233.2 | 232.2 | 231.2 | 209.5 |
| 75° | 107.3 | 114.2 | 122.9 | 138.8 | 162.0 | 180.0 | 182.1 | 184.3 | 182.1 | 180.0 | 162.0 |
| 77.5° | 82.9 | 85.0 | 87.9 | 98.9 | 118.1 | 133.0 | 135.3 | 137.7 | 135.3 | 133.0 | 118.1 |
| 80° | 68.5 | 68.5 | 68.5 | 75.8 | 90.3 | 101.8 | 104.7 | 107.6 | 104.7 | 101.8 | 90.3 |
| 82.5° | 52.7 | 52.8 | 52.8 | 56.9 | 65.0 | 72.1 | 76.2 | 80.2 | 76.2 | 72.1 | 65.0 |
| 85° | 20.7 | 24.5 | 28.8 | 31.0 | 31.0 | 31.9 | 35.5 | 39.1 | 35.5 | 31.9 | 31.0 |
| 87.5° | 12.0 | 11.6 | 11.6 | 12.7 | 14.4 | 15.0 | 13.1 | 11.6 | 13.1 | 14.7 | 15.2 |
| 90° | 40.3 | 38.3 | 38.3 | 36.4 | 30.7 | 23.0 | 13.4 | 5.8 | 13.4 | 21.1 | 34.5 |
| 92.5° | 47.9 | 47.6 | 44.5 | 41.0 | 33.7 | 33.7 | 33.4 | 21.1 | 36.4 | 51.8 | 74.4 |
| 95° | 44.1 | 44.1 | 51.8 | 65.2 | 95.9 | 97.8 | 65.2 | 59.4 | 84.4 | 118.9 | 149.6 |
| 97.5° | 119.3 | 141.9 | 174.1 | 180.2 | 170.6 | 127.3 | 121.9 | 113.5 | 154.5 | 188.7 | 238.1 |
| 100° | 220.5 | 249.3 | 272.3 | 226.2 | 178.3 | 176.4 | 164.9 | 161.1 | 205.2 | 237.8 | 285.7 |
| 102.5° | 344.7 | 353.6 | 273.8 | 247.7 | 236.6 | 228.5 | 210.9 | 208.6 | 252.7 | 297.6 | 337.8 |
| 105° | 373.9 | 335.5 | 337.5 | 337.5 | 329.8 | 314.4 | 281.9 | 279.9 | 329.8 | 381.6 | 431.4 |
| 107.5° | 439.8 | 445.6 | 455.6 | 453.3 | 444.4 | 403.4 | 365.1 | 356.2 | 401.1 | 463.2 | 518.1 |
| 110° | 527.3 | 533.0 | 536.9 | 533.0 | 519.6 | 467.8 | 421.8 | 408.4 | 448.7 | 513.9 | 573.3 |



TEST NUMBER: P1428281

CATALOG NUMBER: SQ2W-PR1-K-125U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 611.6 | 615.9 | 624.3 | 612.8 | 590.2 | 530.7 | 478.6 | 459.0 | 499.3 | 566.0 | 627.0 |
| 115° | 745.9 | 745.9 | 747.8 | 742.0 | 696.0 | 634.6 | 565.6 | 536.9 | 571.4 | 632.7 | 699.8 |
| 117.5° | 877.8 | 880.1 | 872.4 | 857.1 | 803.8 | 732.4 | 655.0 | 609.0 | 636.2 | 701.0 | 770.0 |
| 120° | 960.6 | 964.4 | 956.8 | 933.8 | 882.0 | 801.5 | 713.3 | 659.6 | 680.7 | 743.9 | 813.0 |
| 122.5° | 1046.5 | 1045.7 | 1036.5 | 1010.5 | 949.5 | 865.9 | 779.2 | 713.3 | 722.1 | 780.8 | 848.2 |
| 125° | 1165.8 | 1163.8 | 1156.2 | 1125.5 | 1062.2 | 975.9 | 874.3 | 793.8 | 782.3 | 832.1 | 901.2 |
| 127.5° | 1279.3 | 1275.0 | 1263.2 | 1226.0 | 1161.2 | 1077.9 | 966.4 | 875.1 | 849.4 | 880.8 | 944.1 |
| 130° | 1357.5 | 1351.7 | 1330.7 | 1290.4 | 1227.1 | 1148.5 | 1035.4 | 931.8 | 895.4 | 914.6 | 970.2 |
| 132.5° | 1432.7 | 1416.2 | 1398.1 | 1354.8 | 1296.1 | 1214.5 | 1099.8 | 991.7 | 941.4 | 949.9 | 993.2 |
| 135° | 1528.1 | 1512.8 | 1489.8 | 1447.6 | 1392.0 | 1311.5 | 1196.4 | 1079.5 | 1010.5 | 1002.8 | 1027.7 |
| 137.5° | 1612.1 | 1596.0 | 1569.9 | 1533.5 | 1477.5 | 1405.8 | 1295.4 | 1171.9 | 1084.8 | 1059.2 | 1068.7 |
| 140° | 1664.3 | 1645.1 | 1622.1 | 1585.7 | 1535.8 | 1461.0 | 1353.7 | 1234.8 | 1137.0 | 1100.6 | 1094.8 |
| 142.5° | 1707.2 | 1692.6 | 1668.1 | 1634.7 | 1591.0 | 1516.3 | 1411.9 | 1294.6 | 1190.7 | 1143.5 | 1130.1 |
| 145° | 1771.6 | 1760.1 | 1733.3 | 1702.6 | 1666.2 | 1591.4 | 1495.5 | 1378.6 | 1275.0 | 1213.7 | 1184.9 |
| 147.5° | 1826.1 | 1816.9 | 1795.8 | 1759.8 | 1729.1 | 1657.4 | 1569.9 | 1466.4 | 1360.2 | 1284.3 | 1247.1 |
| 150° | 1859.8 | 1852.2 | 1831.1 | 1796.6 | 1765.9 | 1698.8 | 1614.4 | 1518.6 | 1416.9 | 1336.4 | 1288.5 |
| 152.5° | 1892.1 | 1884.4 | 1860.2 | 1825.7 | 1799.6 | 1737.1 | 1660.4 | 1569.2 | 1466.0 | 1385.5 | 1336.0 |
| 155° | 1934.6 | 1925.0 | 1902.0 | 1869.4 | 1846.4 | 1788.9 | 1718.0 | 1637.4 | 1549.2 | 1464.9 | 1409.3 |
| 157.5° | 1968.4 | 1956.5 | 1935.0 | 1907.0 | 1882.5 | 1829.5 | 1767.8 | 1698.4 | 1621.3 | 1540.8 | 1484.0 |
| 160° | 1988.3 | 1974.9 | 1951.9 | 1927.0 | 1903.9 | 1854.1 | 1798.5 | 1735.2 | 1664.3 | 1591.4 | 1530.1 |
| 162.5° | 2002.1 | 1990.2 | 1962.6 | 1940.8 | 1920.8 | 1875.6 | 1823.0 | 1765.9 | 1702.6 | 1639.0 | 1582.2 |
| 165° | 2017.1 | 2003.6 | 1974.9 | 1957.6 | 1940.4 | 1902.0 | 1856.0 | 1810.0 | 1756.3 | 1704.5 | 1658.5 |
| 167.5° | 2018.2 | 2007.1 | 1978.3 | 1961.5 | 1948.8 | 1915.8 | 1878.6 | 1843.4 | 1801.6 | 1760.9 | 1722.6 |
| 170° | 2015.1 | 2005.6 | 1976.8 | 1961.5 | 1951.9 | 1925.0 | 1892.4 | 1861.8 | 1829.2 | 1794.7 | 1764.0 |
| 172.5° | 2004.4 | 1994.8 | 1967.6 | 1955.3 | 1950.3 | 1926.6 | 1900.1 | 1877.1 | 1849.1 | 1823.8 | 1799.3 |
| 175° | 1976.8 | 1969.1 | 1946.1 | 1938.5 | 1940.4 | 1925.0 | 1905.9 | 1892.4 | 1875.2 | 1859.8 | 1846.4 |
| 177.5° | 1936.5 | 1931.9 | 1915.1 | 1915.1 | 1921.2 | 1912.0 | 1905.9 | 1899.7 | 1892.1 | 1887.5 | 1882.9 |
| 180° | 1898.2 | 1898.2 | 1898.2 | 1898.2 | 1898.2 | 1898.2 | 1898.2 | 1898.2 | 1898.2 | 1898.2 | 1898.2 |



TEST NUMBER: P1428281

CATALOG NUMBER: SQ2W-PR1-K-125U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1600.1 | 1600.1 | 1600.1 | 1600.1 | 1600.1 | 1600.1 | 1600.1 | 1600.1 | 1600.1 | 1600.1 | 1600.1 |
| 2.5° | 1598.9 | 1595.1 | 1595.7 | 1596.6 | 1598.3 | 1600.1 | 1598.3 | 1596.6 | 1595.7 | 1595.1 | 1598.9 |
| 5° | 1605.7 | 1602.4 | 1603.9 | 1606.8 | 1614.0 | 1621.3 | 1614.0 | 1606.8 | 1603.9 | 1602.4 | 1605.7 |
| 7.5° | 1623.9 | 1624.0 | 1628.2 | 1633.8 | 1643.3 | 1652.9 | 1643.3 | 1633.8 | 1628.2 | 1624.0 | 1623.9 |
| 10° | 1632.5 | 1631.4 | 1632.1 | 1635.2 | 1645.4 | 1655.5 | 1645.4 | 1635.2 | 1632.1 | 1631.4 | 1632.5 |
| 12.5° | 1617.3 | 1611.0 | 1609.9 | 1610.6 | 1616.1 | 1621.6 | 1616.1 | 1610.6 | 1609.9 | 1611.0 | 1617.3 |
| 15° | 1580.1 | 1568.5 | 1570.7 | 1573.2 | 1576.9 | 1580.5 | 1576.9 | 1573.2 | 1570.7 | 1568.5 | 1580.1 |
| 17.5° | 1544.3 | 1536.1 | 1543.9 | 1551.6 | 1558.7 | 1565.8 | 1558.7 | 1551.6 | 1543.9 | 1536.1 | 1544.3 |
| 20° | 1525.0 | 1520.3 | 1530.5 | 1541.2 | 1553.5 | 1565.8 | 1553.5 | 1541.2 | 1530.5 | 1520.3 | 1525.0 |
| 22.5° | 1507.6 | 1506.7 | 1520.9 | 1535.8 | 1552.8 | 1569.7 | 1552.8 | 1535.8 | 1520.9 | 1506.7 | 1507.6 |
| 25° | 1480.1 | 1488.1 | 1512.0 | 1534.6 | 1553.5 | 1572.3 | 1553.5 | 1534.6 | 1512.0 | 1488.1 | 1480.1 |
| 27.5° | 1449.4 | 1469.8 | 1502.1 | 1529.6 | 1542.8 | 1556.0 | 1542.8 | 1529.6 | 1502.1 | 1469.8 | 1449.4 |
| 30° | 1431.0 | 1456.0 | 1484.2 | 1506.7 | 1511.8 | 1516.9 | 1511.8 | 1506.7 | 1484.2 | 1456.0 | 1431.0 |
| 32.5° | 1409.5 | 1433.7 | 1448.6 | 1458.2 | 1451.6 | 1445.1 | 1451.6 | 1458.2 | 1448.6 | 1433.7 | 1409.5 |
| 35° | 1371.2 | 1387.1 | 1375.5 | 1363.4 | 1349.6 | 1335.8 | 1349.6 | 1363.4 | 1375.5 | 1387.1 | 1371.2 |
| 37.5° | 1301.5 | 1301.2 | 1267.3 | 1237.9 | 1222.1 | 1206.3 | 1222.1 | 1237.9 | 1267.3 | 1301.2 | 1301.5 |
| 40° | 1244.8 | 1228.9 | 1178.2 | 1135.6 | 1117.4 | 1099.3 | 1117.4 | 1135.6 | 1178.2 | 1228.9 | 1244.8 |
| 42.5° | 1171.3 | 1137.1 | 1072.5 | 1018.4 | 996.2 | 974.1 | 996.2 | 1018.4 | 1072.5 | 1137.1 | 1171.3 |
| 45° | 1036.8 | 981.0 | 910.7 | 851.8 | 827.1 | 802.5 | 827.1 | 851.8 | 910.7 | 981.0 | 1036.8 |
| 47.5° | 886.6 | 821.6 | 758.9 | 706.0 | 683.0 | 659.9 | 683.0 | 706.0 | 758.9 | 821.6 | 886.6 |
| 50° | 791.1 | 725.8 | 667.1 | 616.7 | 591.3 | 566.0 | 591.3 | 616.7 | 667.1 | 725.8 | 791.1 |
| 52.5° | 705.8 | 642.3 | 583.6 | 533.8 | 510.7 | 487.7 | 510.7 | 533.8 | 583.6 | 642.3 | 705.8 |
| 55° | 584.6 | 526.6 | 470.8 | 425.0 | 409.0 | 393.1 | 409.0 | 425.0 | 470.8 | 526.6 | 584.6 |
| 57.5° | 481.0 | 429.4 | 382.0 | 343.5 | 331.8 | 320.0 | 331.8 | 343.5 | 382.0 | 429.4 | 481.0 |
| 60° | 414.5 | 368.1 | 331.1 | 301.0 | 291.6 | 282.2 | 291.6 | 301.0 | 331.1 | 368.1 | 414.5 |
| 62.5° | 359.8 | 318.3 | 288.9 | 265.1 | 258.0 | 250.9 | 258.0 | 265.1 | 288.9 | 318.3 | 359.8 |
| 65° | 293.6 | 259.5 | 237.0 | 218.9 | 213.8 | 208.8 | 213.8 | 218.9 | 237.0 | 259.5 | 293.6 |
| 67.5° | 241.4 | 214.0 | 196.3 | 181.8 | 177.0 | 172.2 | 177.0 | 181.8 | 196.3 | 214.0 | 241.4 |
| 70° | 210.4 | 186.1 | 170.2 | 157.3 | 153.7 | 150.1 | 153.7 | 157.3 | 170.2 | 186.1 | 210.4 |
| 72.5° | 181.0 | 160.2 | 147.1 | 136.7 | 134.3 | 131.8 | 134.3 | 136.7 | 147.1 | 160.2 | 181.0 |
| 75° | 138.8 | 122.9 | 114.2 | 107.3 | 105.8 | 104.4 | 105.8 | 107.3 | 114.2 | 122.9 | 138.8 |
| 77.5° | 98.9 | 87.9 | 85.0 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 85.0 | 87.9 | 98.9 |
| 80° | 75.8 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 75.8 |
| 82.5° | 56.9 | 52.8 | 52.8 | 52.7 | 52.1 | 51.5 | 52.1 | 52.7 | 52.8 | 52.8 | 56.9 |
| 85° | 31.0 | 28.8 | 24.5 | 20.7 | 18.5 | 16.3 | 18.5 | 20.7 | 24.5 | 28.8 | 31.0 |
| 87.5° | 14.2 | 15.4 | 18.1 | 19.6 | 21.2 | 20.4 | 21.2 | 19.6 | 18.1 | 15.4 | 14.2 |
| 90° | 44.1 | 57.5 | 70.9 | 78.6 | 86.3 | 82.4 | 86.3 | 78.6 | 70.9 | 57.5 | 44.1 |
| 92.5° | 88.6 | 111.2 | 127.7 | 141.5 | 147.6 | 146.9 | 147.6 | 141.5 | 127.7 | 111.2 | 88.6 |
| 95° | 178.3 | 205.2 | 232.0 | 251.2 | 262.7 | 258.8 | 262.7 | 251.2 | 232.0 | 205.2 | 178.3 |
| 97.5° | 275.0 | 311.0 | 340.9 | 358.9 | 370.4 | 378.1 | 370.4 | 358.9 | 340.9 | 311.0 | 275.0 |
| 100° | 339.4 | 373.9 | 408.4 | 429.5 | 448.7 | 456.3 | 448.7 | 429.5 | 408.4 | 373.9 | 339.4 |
| 102.5° | 391.5 | 436.8 | 474.4 | 497.0 | 513.1 | 520.8 | 513.1 | 497.0 | 474.4 | 436.8 | 391.5 |
| 105° | 477.4 | 525.4 | 565.6 | 594.4 | 611.6 | 617.4 | 611.6 | 594.4 | 565.6 | 525.4 | 477.4 |
| 107.5° | 563.3 | 612.8 | 650.0 | 681.8 | 702.9 | 715.2 | 702.9 | 681.8 | 650.0 | 612.8 | 563.3 |
| 110° | 630.8 | 671.1 | 711.3 | 740.1 | 761.2 | 768.9 | 761.2 | 740.1 | 711.3 | 671.1 | 630.8 |



TEST NUMBER: P1428281

CATALOG NUMBER: SQ2W-PR1-K-125U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 687.6 | 732.4 | 772.7 | 801.5 | 825.6 | 836.4 | 825.6 | 801.5 | 772.7 | 732.4 | 687.6 |
| 115° | 766.9 | 826.4 | 862.8 | 889.7 | 906.9 | 916.5 | 906.9 | 889.7 | 862.8 | 826.4 | 766.9 |
| 117.5° | 832.9 | 895.0 | 934.9 | 955.6 | 963.7 | 970.6 | 963.7 | 955.6 | 934.9 | 895.0 | 832.9 |
| 120° | 874.3 | 931.8 | 977.9 | 1004.7 | 1014.3 | 1018.1 | 1014.3 | 1004.7 | 977.9 | 931.8 | 874.3 |
| 122.5° | 912.7 | 967.1 | 1011.6 | 1044.6 | 1060.3 | 1064.1 | 1060.3 | 1044.6 | 1011.6 | 967.1 | 912.7 |
| 125° | 966.4 | 1018.1 | 1064.1 | 1096.7 | 1114.0 | 1123.6 | 1114.0 | 1096.7 | 1064.1 | 1018.1 | 966.4 |
| 127.5° | 1013.1 | 1069.1 | 1111.3 | 1140.8 | 1157.7 | 1165.4 | 1157.7 | 1140.8 | 1111.3 | 1069.1 | 1013.1 |
| 130° | 1039.2 | 1096.7 | 1138.9 | 1171.5 | 1186.8 | 1194.5 | 1186.8 | 1171.5 | 1138.9 | 1096.7 | 1039.2 |
| 132.5° | 1059.2 | 1119.7 | 1163.5 | 1193.0 | 1209.9 | 1217.5 | 1209.9 | 1193.0 | 1163.5 | 1119.7 | 1059.2 |
| 135° | 1083.3 | 1146.6 | 1192.6 | 1221.4 | 1236.7 | 1244.4 | 1236.7 | 1221.4 | 1192.6 | 1146.6 | 1083.3 |
| 137.5° | 1104.4 | 1161.9 | 1209.9 | 1240.2 | 1254.0 | 1258.9 | 1254.0 | 1240.2 | 1209.9 | 1161.9 | 1104.4 |
| 140° | 1119.7 | 1169.6 | 1217.5 | 1246.3 | 1261.6 | 1263.5 | 1261.6 | 1246.3 | 1217.5 | 1169.6 | 1119.7 |
| 142.5° | 1139.7 | 1178.8 | 1220.6 | 1249.4 | 1264.7 | 1268.1 | 1264.7 | 1249.4 | 1220.6 | 1178.8 | 1139.7 |
| 145° | 1175.3 | 1198.4 | 1227.1 | 1254.0 | 1267.4 | 1271.2 | 1267.4 | 1254.0 | 1227.1 | 1198.4 | 1175.3 |
| 147.5° | 1220.2 | 1227.5 | 1242.5 | 1260.1 | 1273.1 | 1275.8 | 1273.1 | 1260.1 | 1242.5 | 1227.5 | 1220.2 |
| 150° | 1254.0 | 1252.0 | 1257.8 | 1269.3 | 1280.8 | 1278.9 | 1280.8 | 1269.3 | 1257.8 | 1252.0 | 1254.0 |
| 152.5° | 1292.3 | 1281.2 | 1280.8 | 1286.2 | 1291.5 | 1291.2 | 1291.5 | 1286.2 | 1280.8 | 1281.2 | 1292.3 |
| 155° | 1357.5 | 1336.4 | 1324.9 | 1321.1 | 1321.1 | 1319.1 | 1321.1 | 1321.1 | 1324.9 | 1336.4 | 1357.5 |
| 157.5° | 1429.2 | 1399.7 | 1382.4 | 1373.2 | 1370.5 | 1366.3 | 1370.5 | 1373.2 | 1382.4 | 1399.7 | 1429.2 |
| 160° | 1478.3 | 1445.7 | 1428.4 | 1413.1 | 1407.3 | 1401.6 | 1407.3 | 1413.1 | 1428.4 | 1445.7 | 1478.3 |
| 162.5° | 1524.3 | 1493.2 | 1474.5 | 1460.6 | 1454.9 | 1446.1 | 1454.9 | 1460.6 | 1474.5 | 1493.2 | 1524.3 |
| 165° | 1599.1 | 1566.5 | 1545.4 | 1533.9 | 1526.2 | 1518.6 | 1526.2 | 1533.9 | 1545.4 | 1566.5 | 1599.1 |
| 167.5° | 1673.9 | 1638.2 | 1624.4 | 1611.4 | 1604.1 | 1590.3 | 1604.1 | 1611.4 | 1624.4 | 1638.2 | 1673.9 |
| 170° | 1719.9 | 1687.3 | 1679.6 | 1668.1 | 1654.7 | 1639.3 | 1654.7 | 1668.1 | 1679.6 | 1687.3 | 1719.9 |
| 172.5° | 1759.8 | 1737.9 | 1730.2 | 1718.7 | 1714.5 | 1702.2 | 1714.5 | 1718.7 | 1730.2 | 1737.9 | 1759.8 |
| 175° | 1817.7 | 1800.4 | 1800.4 | 1798.5 | 1792.7 | 1781.2 | 1792.7 | 1798.5 | 1800.4 | 1800.4 | 1817.7 |
| 177.5° | 1866.0 | 1856.8 | 1862.9 | 1862.9 | 1861.4 | 1850.6 | 1861.4 | 1862.9 | 1862.9 | 1856.8 | 1866.0 |
| 180° | 1898.2 | 1898.2 | 1898.2 | 1898.2 | 1898.2 | 1898.2 | 1898.2 | 1898.2 | 1898.2 | 1898.2 | 1898.2 |



TEST NUMBER: P1428281

CATALOG NUMBER: SQ2W-PR1-K-125U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|
| 0° | 1600.1 | 1600.1 | 1600.1 | 1600.1 |
| 2.5° | 1607.0 | 1610.9 | 1602.2 | 1593.5 |
| 5° | 1613.6 | 1616.5 | 1604.2 | 1591.9 |
| 7.5° | 1628.0 | 1626.7 | 1609.1 | 1591.6 |
| 10° | 1635.4 | 1632.3 | 1611.3 | 1590.3 |
| 12.5° | 1628.9 | 1631.4 | 1606.9 | 1582.4 |
| 15° | 1605.5 | 1617.3 | 1588.3 | 1559.3 |
| 17.5° | 1568.5 | 1579.1 | 1548.8 | 1518.5 |
| 20° | 1544.6 | 1551.8 | 1522.1 | 1492.4 |
| 22.5° | 1523.7 | 1528.4 | 1498.6 | 1468.9 |
| 25° | 1488.1 | 1487.5 | 1461.4 | 1435.3 |
| 27.5° | 1441.0 | 1430.8 | 1415.5 | 1400.1 |
| 30° | 1409.2 | 1390.4 | 1380.2 | 1370.1 |
| 32.5° | 1376.2 | 1349.6 | 1343.5 | 1337.5 |
| 35° | 1327.7 | 1293.8 | 1288.7 | 1283.6 |
| 37.5° | 1268.2 | 1240.6 | 1230.1 | 1219.7 |
| 40° | 1226.0 | 1207.5 | 1190.1 | 1172.7 |
| 42.5° | 1175.1 | 1171.0 | 1143.1 | 1115.3 |
| 45° | 1078.1 | 1099.7 | 1062.0 | 1024.3 |
| 47.5° | 953.7 | 994.4 | 955.7 | 917.0 |
| 50° | 862.8 | 908.9 | 877.7 | 846.5 |
| 52.5° | 774.1 | 819.7 | 797.2 | 774.7 |
| 55° | 644.8 | 687.0 | 675.4 | 663.8 |
| 57.5° | 536.8 | 576.8 | 569.5 | 562.1 |
| 60° | 470.3 | 510.9 | 505.8 | 500.7 |
| 62.5° | 413.3 | 452.5 | 448.5 | 444.6 |
| 65° | 339.3 | 372.6 | 369.0 | 365.4 |
| 67.5° | 278.7 | 306.2 | 304.3 | 302.4 |
| 70° | 243.0 | 267.3 | 266.6 | 265.9 |
| 72.5° | 209.5 | 231.2 | 232.2 | 233.2 |
| 75° | 162.0 | 180.0 | 182.1 | 184.3 |
| 77.5° | 118.1 | 133.0 | 135.3 | 137.7 |
| 80° | 90.3 | 101.8 | 104.7 | 107.6 |
| 82.5° | 65.0 | 72.1 | 76.2 | 80.2 |
| 85° | 31.0 | 31.9 | 35.5 | 39.1 |
| 87.5° | 15.2 | 14.7 | 13.1 | 11.6 |
| 90° | 34.5 | 21.1 | 13.4 | 5.8 |
| 92.5° | 74.4 | 51.8 | 36.4 | 21.1 |
| 95° | 149.6 | 118.9 | 84.4 | 59.4 |
| 97.5° | 238.1 | 188.7 | 154.5 | 113.5 |
| 100° | 285.7 | 237.8 | 205.2 | 161.1 |
| 102.5° | 337.8 | 297.6 | 252.7 | 208.6 |
| 105° | 431.4 | 381.6 | 329.8 | 279.9 |
| 107.5° | 518.1 | 463.2 | 401.1 | 356.2 |
| 110° | 573.3 | 513.9 | 448.7 | 408.4 |



TEST NUMBER: P1428281

CATALOG NUMBER: SQ2W-PR1-K-125U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|
| 112.5° | 627.0 | 566.0 | 499.3 | 459.0 |
| 115° | 699.8 | 632.7 | 571.4 | 536.9 |
| 117.5° | 770.0 | 701.0 | 636.2 | 609.0 |
| 120° | 813.0 | 743.9 | 680.7 | 659.6 |
| 122.5° | 848.2 | 780.8 | 722.1 | 713.3 |
| 125° | 901.2 | 832.1 | 782.3 | 793.8 |
| 127.5° | 944.1 | 880.8 | 849.4 | 875.1 |
| 130° | 970.2 | 914.6 | 895.4 | 931.8 |
| 132.5° | 993.2 | 949.9 | 941.4 | 991.7 |
| 135° | 1027.7 | 1002.8 | 1010.5 | 1079.5 |
| 137.5° | 1068.7 | 1059.2 | 1084.8 | 1171.9 |
| 140° | 1094.8 | 1100.6 | 1137.0 | 1234.8 |
| 142.5° | 1130.1 | 1143.5 | 1190.7 | 1294.6 |
| 145° | 1184.9 | 1213.7 | 1275.0 | 1378.6 |
| 147.5° | 1247.1 | 1284.3 | 1360.2 | 1466.4 |
| 150° | 1288.5 | 1336.4 | 1416.9 | 1518.6 |
| 152.5° | 1336.0 | 1385.5 | 1466.0 | 1569.2 |
| 155° | 1409.3 | 1464.9 | 1549.2 | 1637.4 |
| 157.5° | 1484.0 | 1540.8 | 1621.3 | 1698.4 |
| 160° | 1530.1 | 1591.4 | 1664.3 | 1735.2 |
| 162.5° | 1582.2 | 1639.0 | 1702.6 | 1765.9 |
| 165° | 1658.5 | 1704.5 | 1756.3 | 1810.0 |
| 167.5° | 1722.6 | 1760.9 | 1801.6 | 1843.4 |
| 170° | 1764.0 | 1794.7 | 1829.2 | 1861.8 |
| 172.5° | 1799.3 | 1823.8 | 1849.1 | 1877.1 |
| 175° | 1846.4 | 1859.8 | 1875.2 | 1892.4 |
| 177.5° | 1882.9 | 1887.5 | 1892.1 | 1899.7 |
| 180° | 1898.2 | 1898.2 | 1898.2 | 1898.2 |



TEST NUMBER: P1428281
 CATALOG NUMBER: SQ2W-PR1-K-125U-075D-L830-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 | 17.07 | 17.82 | 18.10 | 18.86 | 20.26 | 13.44 | 14.19 | 14.47 | 15.23 | 16.63 |
| | 3H | 18.26 | 18.94 | 19.31 | 19.99 | 21.40 | 14.59 | 15.26 | 15.64 | 16.31 | 17.73 |
| | 4H | 18.74 | 19.38 | 19.80 | 20.43 | 21.86 | 15.05 | 15.69 | 16.11 | 16.74 | 18.16 |
| | 6H | 19.04 | 19.62 | 20.11 | 20.68 | 22.11 | 15.38 | 15.97 | 16.45 | 17.03 | 18.46 |
| | 8H | 19.14 | 19.69 | 20.21 | 20.76 | 22.19 | 15.52 | 16.08 | 16.59 | 17.15 | 18.58 |
| | 12H | 19.17 | 19.70 | 20.25 | 20.77 | 22.22 | 15.55 | 16.08 | 16.62 | 17.14 | 18.59 |
| 4H | 2H | 17.16 | 17.79 | 18.22 | 18.84 | 20.27 | 14.13 | 14.77 | 15.20 | 15.82 | 17.25 |
| | 3H | 18.61 | 19.14 | 19.68 | 20.21 | 21.65 | 15.48 | 16.01 | 16.55 | 17.09 | 18.52 |
| | 4H | 19.23 | 19.72 | 20.31 | 20.79 | 22.24 | 16.02 | 16.51 | 17.10 | 17.57 | 19.03 |
| | 6H | 19.66 | 20.07 | 20.74 | 21.16 | 22.62 | 16.45 | 16.86 | 17.54 | 17.96 | 19.41 |
| | 8H | 19.81 | 20.20 | 20.90 | 21.29 | 22.75 | 16.63 | 17.02 | 17.72 | 18.10 | 19.57 |
| | 12H | 19.87 | 20.23 | 20.98 | 21.32 | 22.80 | 16.67 | 17.02 | 17.78 | 18.12 | 19.59 |
| 8H | 4H | 19.25 | 19.64 | 20.34 | 20.72 | 22.19 | 16.34 | 16.73 | 17.43 | 17.81 | 19.28 |
| | 6H | 19.78 | 20.10 | 20.89 | 21.22 | 22.69 | 16.88 | 17.20 | 17.99 | 18.32 | 19.79 |
| | 8H | 20.01 | 20.29 | 21.13 | 21.40 | 22.88 | 17.14 | 17.42 | 18.26 | 18.53 | 20.01 |
| | 12H | 20.13 | 20.37 | 21.25 | 21.48 | 23.00 | 17.23 | 17.48 | 18.35 | 18.58 | 20.10 |
| 12H | 4H | 19.20 | 19.55 | 20.31 | 20.65 | 22.12 | 16.35 | 16.71 | 17.46 | 17.80 | 19.27 |
| | 6H | 19.77 | 20.05 | 20.88 | 21.16 | 22.64 | 16.95 | 17.23 | 18.07 | 18.34 | 19.82 |
| | 8H | 20.01 | 20.26 | 21.13 | 21.36 | 22.89 | 17.23 | 17.48 | 18.35 | 18.58 | 20.11 |