

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: P1428386

Luminaire Tested: SQ2W-PW1-K-050U-100D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428386
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PW1-K-050U-100D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE WAVES LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

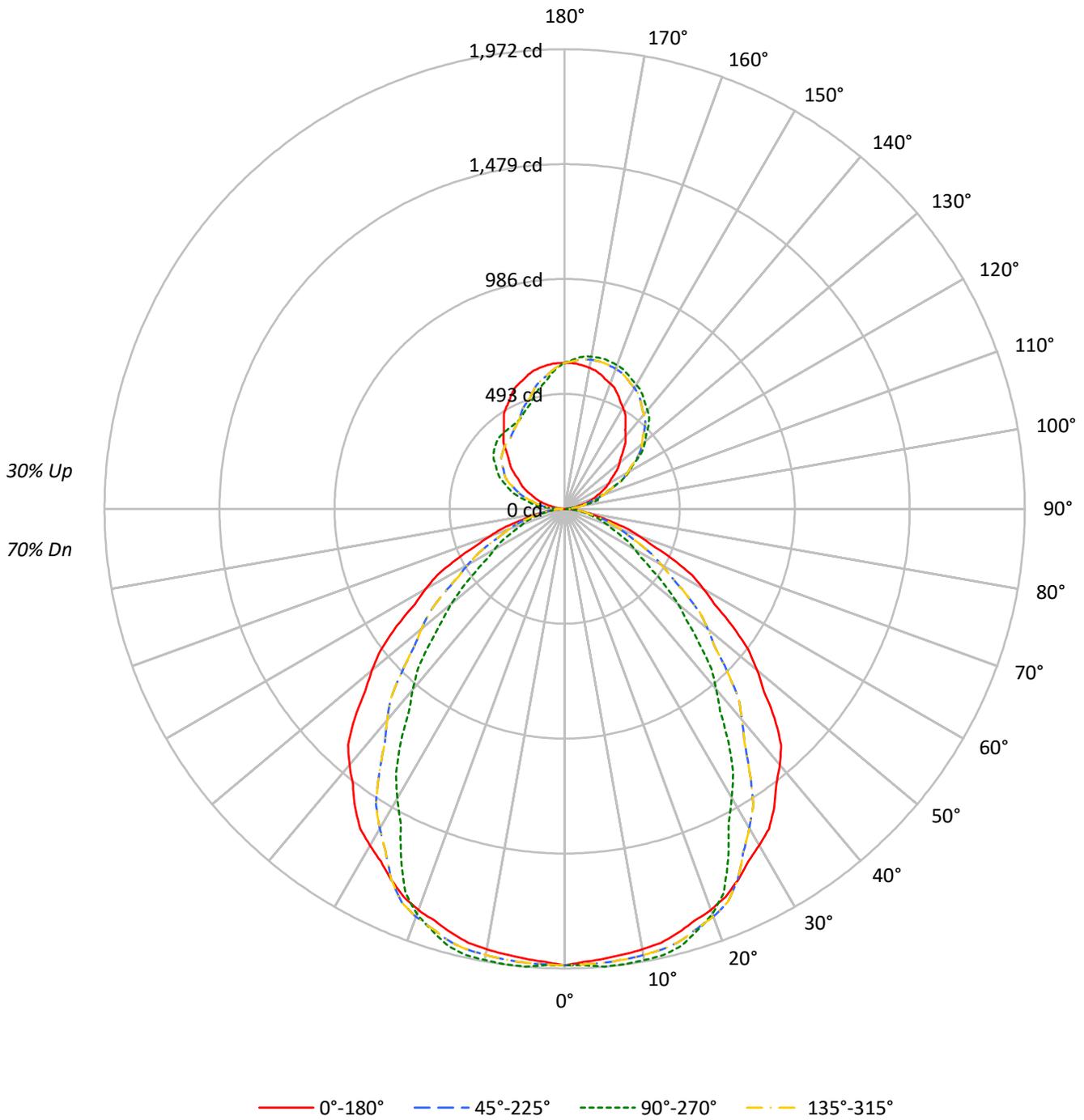
Lumens per Lamp: N/A
Luminaire Lumens: 6177.0 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 52.5
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: P1428386

CATALOG NUMBER: SQ2W-PW1-K-050U-100D-L930-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1428386

CATALOG NUMBER: SQ2W-PW1-K-050U-100D-L930-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 | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 95 | 95 | 95 | 84 | 84 | 84 | 75 | 75 | 75 | 70 | | | | |
| 1 | 103 | 99 | 95 | 92 | 98 | 94 | 91 | 88 | 84 | 82 | 80 | 76 | 74 | 72 | 67 | 66 | 65 | 61 | | | | |
| 2 | 95 | 87 | 82 | 77 | 89 | 83 | 78 | 73 | 75 | 71 | 67 | 67 | 64 | 61 | 60 | 58 | 56 | 52 | | | | |
| 3 | 87 | 78 | 70 | 65 | 82 | 74 | 67 | 62 | 67 | 62 | 58 | 60 | 56 | 53 | 54 | 51 | 48 | 45 | | | | |
| 4 | 80 | 69 | 62 | 56 | 75 | 66 | 59 | 54 | 60 | 54 | 50 | 54 | 50 | 46 | 49 | 45 | 42 | 39 | | | | |
| 5 | 74 | 62 | 54 | 48 | 70 | 59 | 52 | 47 | 54 | 48 | 44 | 49 | 44 | 40 | 44 | 41 | 37 | 35 | | | | |
| 6 | 68 | 56 | 48 | 42 | 65 | 54 | 46 | 41 | 49 | 43 | 38 | 45 | 40 | 36 | 41 | 37 | 33 | 31 | | | | |
| 7 | 63 | 51 | 43 | 38 | 60 | 49 | 42 | 37 | 45 | 39 | 34 | 41 | 36 | 32 | 37 | 33 | 30 | 28 | | | | |
| 8 | 59 | 47 | 39 | 34 | 56 | 45 | 38 | 33 | 41 | 35 | 31 | 38 | 33 | 29 | 34 | 30 | 27 | 25 | | | | |
| 9 | 55 | 43 | 35 | 30 | 52 | 41 | 34 | 29 | 38 | 32 | 28 | 35 | 30 | 26 | 32 | 28 | 25 | 23 | | | | |
| 10 | 52 | 40 | 32 | 27 | 49 | 38 | 31 | 27 | 35 | 29 | 25 | 32 | 27 | 24 | 30 | 26 | 23 | 21 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 31624 | 31624 | 31624 | 31624 |
| 5° | 31413 | 31957 | 31413 | 31957 |
| 10° | 31471 | 32235 | 31471 | 32235 |
| 15° | 31463 | 32429 | 31463 | 32429 |
| 20° | 31475 | 31797 | 31475 | 31797 |
| 25° | 31306 | 29544 | 31306 | 29544 |
| 30° | 31091 | 26710 | 31091 | 26710 |
| 35° | 30848 | 24121 | 30848 | 24121 |
| 40° | 30236 | 21310 | 30236 | 21310 |
| 45° | 29051 | 18614 | 29051 | 18614 |
| 50° | 27037 | 15932 | 27037 | 15932 |
| 55° | 24732 | 12918 | 24732 | 12918 |
| 60° | 22168 | 11144 | 22168 | 11144 |
| 65° | 19385 | 9906 | 19385 | 9906 |
| 70° | 15852 | 8983 | 15852 | 8983 |
| 75° | 12333 | 8259 | 12333 | 8259 |
| 80° | 9196 | 7280 | 9196 | 7280 |
| 85° | 6224 | 4150 | 6224 | 4150 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 29051 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 186.5 | 3.0 |
| 10°-20° | 540.4 | 8.7 |
| 20°-30° | 795.3 | 12.9 |
| 30°-40° | 869.6 | 14.1 |
| 40°-50° | 780.1 | 12.6 |
| 50°-60° | 581.9 | 9.4 |
| 60°-70° | 367.8 | 6.0 |
| 70°-80° | 182.2 | 2.9 |
| 80°-90° | 45.2 | 0.7 |
| 90°-100° | 49.8 | 0.8 |
| 100°-110° | 145.3 | 2.4 |
| 110°-120° | 237.1 | 3.8 |
| 120°-130° | 300.9 | 4.9 |
| 130°-140° | 322.0 | 5.2 |
| 140°-150° | 300.7 | 4.9 |
| 150°-160° | 247.4 | 4.0 |
| 160°-170° | 165.9 | 2.7 |
| 170°-180° | 58.9 | 1.0 |
| 0°-30° | 1522.2 | 24.6 |
| 0°-40° | 2391.8 | 38.7 |
| 0°-60° | 3753.7 | 60.8 |
| 0°-90° | 4348.9 | 70.4 |
| 90°-120° | 432.3 | 7.0 |
| 90°-150° | 1355.8 | 21.9 |
| 90°-180° | 1828.0 | 29.6 |
| 0°-180° | 6177.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1959 | 1959 | 1959 | 1959 | 1959 | |
| 5° | 1938 | 1972 | 1938 | 1972 | 1938 | 184 |
| 15° | 1882 | 1940 | 1882 | 1940 | 1882 | 531 |
| 25° | 1757 | 1658 | 1757 | 1658 | 1757 | 809 |
| 35° | 1565 | 1224 | 1565 | 1224 | 1565 | 976 |
| 45° | 1272 | 815 | 1272 | 815 | 1272 | 976 |
| 55° | 879 | 459 | 879 | 459 | 879 | 785 |
| 65° | 507 | 259 | 507 | 259 | 507 | 503 |
| 75° | 198 | 132 | 198 | 132 | 198 | 218 |
| 85° | 34 | 22 | 34 | 22 | 34 | 43 |
| 90° | 2 | 14 | 2 | 27 | 2 | 3 |
| 95° | 20 | 14 | 20 | 85 | 20 | 24 |
| 105° | 92 | 148 | 92 | 204 | 92 | 98 |
| 115° | 177 | 245 | 177 | 302 | 177 | 175 |
| 125° | 262 | 389 | 262 | 371 | 262 | 234 |
| 135° | 356 | 509 | 356 | 410 | 356 | 275 |
| 145° | 455 | 587 | 455 | 419 | 455 | 285 |
| 155° | 540 | 638 | 540 | 435 | 540 | 248 |
| 165° | 597 | 665 | 597 | 501 | 597 | 168 |
| 175° | 624 | 651 | 624 | 588 | 624 | 59 |
| 180° | 626 | 626 | 626 | 626 | 626 | |



TEST NUMBER: P1428386

CATALOG NUMBER: SQ2W-PW1-K-050U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 |
| 2.5° | 1945.3 | 1956.6 | 1967.9 | 1965.2 | 1957.9 | 1954.6 | 1955.3 | 1956.3 | 1958.3 | 1960.2 | 1958.3 |
| 5° | 1938.2 | 1952.3 | 1966.4 | 1964.3 | 1956.9 | 1953.6 | 1954.4 | 1956.9 | 1964.3 | 1971.8 | 1964.3 |
| 7.5° | 1928.5 | 1942.8 | 1957.0 | 1956.4 | 1950.7 | 1949.3 | 1952.2 | 1956.1 | 1963.4 | 1970.7 | 1963.4 |
| 10° | 1919.6 | 1934.5 | 1949.4 | 1949.4 | 1944.4 | 1944.0 | 1948.2 | 1952.9 | 1959.6 | 1966.2 | 1959.6 |
| 12.5° | 1907.6 | 1923.2 | 1938.8 | 1940.0 | 1936.3 | 1936.9 | 1941.7 | 1947.0 | 1953.6 | 1960.2 | 1953.6 |
| 15° | 1882.3 | 1898.8 | 1915.4 | 1919.0 | 1918.1 | 1920.6 | 1926.4 | 1931.8 | 1935.9 | 1940.1 | 1935.9 |
| 17.5° | 1852.8 | 1869.4 | 1886.0 | 1889.2 | 1888.1 | 1888.2 | 1889.7 | 1891.3 | 1893.3 | 1895.3 | 1893.3 |
| 20° | 1831.9 | 1848.5 | 1865.1 | 1867.3 | 1864.9 | 1860.7 | 1854.9 | 1850.6 | 1850.6 | 1850.6 | 1850.6 |
| 22.5° | 1802.0 | 1820.0 | 1837.9 | 1838.0 | 1832.2 | 1821.4 | 1805.7 | 1792.5 | 1787.2 | 1781.9 | 1787.2 |
| 25° | 1757.3 | 1774.7 | 1792.1 | 1784.0 | 1767.4 | 1743.0 | 1710.6 | 1683.3 | 1670.8 | 1658.4 | 1670.8 |
| 27.5° | 1705.0 | 1719.1 | 1733.2 | 1712.1 | 1679.3 | 1639.9 | 1594.0 | 1555.2 | 1538.0 | 1520.7 | 1538.0 |
| 30° | 1667.7 | 1678.5 | 1689.3 | 1655.9 | 1607.8 | 1558.5 | 1507.9 | 1465.8 | 1449.3 | 1432.7 | 1449.3 |
| 32.5° | 1628.9 | 1633.1 | 1637.2 | 1593.2 | 1533.2 | 1476.9 | 1424.4 | 1380.5 | 1362.5 | 1344.6 | 1362.5 |
| 35° | 1565.1 | 1557.7 | 1550.2 | 1491.8 | 1416.3 | 1352.1 | 1299.0 | 1255.3 | 1239.5 | 1223.8 | 1239.5 |
| 37.5° | 1489.8 | 1467.5 | 1445.3 | 1379.5 | 1299.0 | 1231.0 | 1175.5 | 1129.5 | 1112.1 | 1094.7 | 1112.1 |
| 40° | 1434.6 | 1403.0 | 1371.5 | 1300.9 | 1217.1 | 1147.5 | 1091.9 | 1045.9 | 1028.5 | 1011.1 | 1028.5 |
| 42.5° | 1373.4 | 1333.9 | 1294.4 | 1221.8 | 1138.0 | 1068.4 | 1012.8 | 966.6 | 948.6 | 930.5 | 948.6 |
| 45° | 1272.3 | 1225.8 | 1179.4 | 1103.7 | 1018.3 | 948.7 | 894.8 | 850.0 | 832.6 | 815.2 | 832.6 |
| 47.5° | 1158.5 | 1112.4 | 1066.3 | 990.8 | 905.6 | 836.9 | 784.6 | 741.7 | 726.8 | 711.9 | 726.8 |
| 50° | 1076.4 | 1031.6 | 986.8 | 914.7 | 833.5 | 766.7 | 714.5 | 670.7 | 652.5 | 634.3 | 652.5 |
| 52.5° | 992.8 | 952.7 | 912.5 | 843.1 | 763.8 | 697.4 | 643.8 | 597.4 | 572.6 | 547.7 | 572.6 |
| 55° | 878.6 | 840.5 | 802.4 | 736.9 | 662.2 | 595.1 | 535.4 | 487.1 | 473.0 | 458.9 | 473.0 |
| 57.5° | 761.1 | 728.1 | 695.1 | 636.3 | 568.8 | 507.9 | 453.7 | 410.1 | 398.5 | 386.9 | 398.5 |
| 60° | 686.5 | 657.5 | 628.5 | 572.1 | 506.6 | 451.0 | 405.4 | 368.3 | 356.7 | 345.1 | 356.7 |
| 62.5° | 614.9 | 589.2 | 563.5 | 509.4 | 445.9 | 396.0 | 359.7 | 330.0 | 320.4 | 310.8 | 320.4 |
| 65° | 507.4 | 488.3 | 469.3 | 424.7 | 371.6 | 330.2 | 300.3 | 275.9 | 267.6 | 259.3 | 267.6 |
| 67.5° | 402.9 | 392.3 | 381.7 | 348.3 | 307.4 | 273.8 | 247.6 | 226.6 | 221.1 | 215.6 | 221.1 |
| 70° | 335.8 | 332.5 | 329.2 | 301.6 | 265.9 | 237.3 | 215.8 | 198.6 | 194.4 | 190.3 | 194.4 |
| 72.5° | 277.6 | 278.9 | 280.2 | 257.3 | 226.3 | 202.3 | 185.4 | 172.0 | 169.2 | 166.4 | 169.2 |
| 75° | 197.7 | 204.4 | 211.0 | 195.9 | 173.5 | 156.5 | 144.9 | 135.8 | 134.1 | 132.4 | 134.1 |
| 77.5° | 134.7 | 144.6 | 154.6 | 144.8 | 128.3 | 115.8 | 107.2 | 100.4 | 99.1 | 97.8 | 99.1 |
| 80° | 98.9 | 108.8 | 118.8 | 111.9 | 99.5 | 90.0 | 83.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| 82.5° | 69.0 | 77.0 | 84.9 | 80.1 | 71.0 | 64.8 | 61.4 | 58.9 | 58.9 | 58.9 | 58.9 |
| 85° | 33.6 | 37.7 | 41.9 | 40.4 | 37.1 | 33.0 | 28.0 | 24.0 | 23.2 | 22.4 | 23.2 |
| 87.5° | 9.3 | 11.8 | 14.5 | 13.0 | 10.0 | 8.2 | 7.5 | 7.1 | 7.3 | 7.3 | 7.3 |
| 90° | 1.9 | 4.4 | 7.6 | 10.1 | 12.0 | 12.6 | 12.6 | 13.3 | 13.9 | 13.9 | 13.9 |
| 92.5° | 7.0 | 11.0 | 11.1 | 11.1 | 13.5 | 14.7 | 15.7 | 15.8 | 16.4 | 16.4 | 16.4 |
| 95° | 19.6 | 21.5 | 32.3 | 31.6 | 21.5 | 17.1 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 |
| 97.5° | 37.4 | 40.2 | 42.0 | 56.3 | 59.4 | 57.4 | 46.8 | 39.3 | 35.2 | 33.3 | 35.2 |
| 100° | 53.1 | 54.4 | 58.2 | 58.8 | 74.6 | 89.8 | 82.2 | 72.7 | 69.6 | 67.7 | 69.6 |
| 102.5° | 68.8 | 69.6 | 75.4 | 78.0 | 81.7 | 90.3 | 116.6 | 113.7 | 111.6 | 111.2 | 111.6 |
| 105° | 92.3 | 93.0 | 103.7 | 108.8 | 111.3 | 111.3 | 110.7 | 123.3 | 143.6 | 148.0 | 143.6 |
| 107.5° | 117.5 | 120.4 | 133.1 | 146.6 | 149.5 | 150.3 | 147.0 | 145.1 | 144.3 | 144.8 | 144.3 |
| 110° | 134.7 | 139.1 | 154.3 | 171.4 | 175.8 | 177.1 | 175.8 | 173.9 | 172.6 | 172.6 | 172.6 |

TEST NUMBER: P1428386

CATALOG NUMBER: SQ2W-PW1-K-050U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 151.4 | 157.8 | 175.0 | 194.7 | 202.1 | 205.9 | 203.1 | 201.7 | 200.5 | 201.5 | 200.5 |
| 115° | 177.1 | 186.6 | 209.3 | 229.6 | 244.7 | 246.6 | 246.0 | 246.0 | 245.4 | 245.4 | 245.4 |
| 117.5° | 200.9 | 216.0 | 241.6 | 265.1 | 282.7 | 287.7 | 290.3 | 289.5 | 288.8 | 290.0 | 288.8 |
| 120° | 217.5 | 235.3 | 264.3 | 290.9 | 308.0 | 315.6 | 318.1 | 316.8 | 318.1 | 316.8 | 318.1 |
| 122.5° | 235.3 | 257.0 | 285.6 | 313.2 | 333.3 | 341.9 | 344.9 | 345.2 | 345.4 | 344.7 | 345.4 |
| 125° | 261.8 | 288.4 | 321.9 | 350.4 | 371.2 | 381.3 | 383.9 | 384.5 | 385.8 | 388.9 | 385.8 |
| 127.5° | 288.6 | 318.7 | 355.5 | 383.0 | 404.4 | 416.6 | 420.5 | 421.9 | 424.6 | 426.0 | 424.6 |
| 130° | 307.3 | 341.5 | 378.8 | 404.7 | 425.6 | 438.9 | 445.8 | 447.7 | 450.9 | 450.3 | 450.9 |
| 132.5° | 327.1 | 362.7 | 400.6 | 427.5 | 446.9 | 461.2 | 467.1 | 472.5 | 473.7 | 474.6 | 473.7 |
| 135° | 356.0 | 394.6 | 432.6 | 459.1 | 477.5 | 491.4 | 499.0 | 504.0 | 507.2 | 509.1 | 507.2 |
| 137.5° | 386.5 | 427.3 | 463.7 | 487.3 | 505.8 | 517.8 | 526.4 | 531.7 | 535.0 | 536.5 | 535.0 |
| 140° | 407.3 | 446.5 | 481.9 | 506.6 | 523.0 | 535.0 | 542.6 | 548.9 | 552.7 | 552.7 | 552.7 |
| 142.5° | 427.0 | 465.7 | 500.1 | 524.8 | 539.2 | 550.2 | 558.3 | 563.1 | 567.4 | 567.4 | 567.4 |
| 145° | 454.7 | 493.3 | 524.9 | 549.6 | 561.6 | 571.7 | 580.5 | 584.3 | 586.9 | 586.9 | 586.9 |
| 147.5° | 483.7 | 517.8 | 546.7 | 570.3 | 580.4 | 592.3 | 599.3 | 602.3 | 605.5 | 604.1 | 605.5 |
| 150° | 500.9 | 532.5 | 560.3 | 582.4 | 592.6 | 603.9 | 610.9 | 613.4 | 616.6 | 614.7 | 616.6 |
| 152.5° | 517.6 | 547.7 | 573.0 | 593.6 | 602.2 | 613.6 | 621.5 | 624.1 | 626.2 | 624.8 | 626.2 |
| 155° | 540.1 | 566.6 | 590.0 | 609.0 | 616.6 | 627.3 | 634.9 | 638.1 | 640.6 | 637.5 | 640.6 |
| 157.5° | 560.2 | 583.1 | 603.4 | 620.9 | 629.0 | 638.2 | 645.3 | 649.2 | 651.8 | 650.4 | 651.8 |
| 160° | 572.3 | 593.2 | 611.5 | 628.0 | 635.6 | 643.8 | 651.4 | 655.8 | 658.3 | 656.4 | 658.3 |
| 162.5° | 582.4 | 601.3 | 618.6 | 633.5 | 640.1 | 647.3 | 656.4 | 660.4 | 662.9 | 660.5 | 662.9 |
| 165° | 597.0 | 612.2 | 627.3 | 640.0 | 645.7 | 651.4 | 660.9 | 665.3 | 667.2 | 664.7 | 667.2 |
| 167.5° | 608.0 | 619.6 | 631.9 | 642.8 | 647.0 | 652.5 | 662.0 | 665.7 | 668.1 | 664.9 | 668.1 |
| 170° | 614.1 | 624.2 | 634.9 | 643.8 | 647.0 | 652.0 | 661.5 | 664.7 | 666.6 | 663.4 | 666.6 |
| 172.5° | 619.1 | 626.7 | 635.4 | 643.3 | 644.9 | 649.0 | 658.0 | 661.1 | 662.5 | 659.9 | 662.5 |
| 175° | 624.2 | 628.6 | 634.9 | 640.0 | 639.4 | 641.9 | 649.5 | 652.0 | 654.5 | 650.7 | 654.5 |
| 177.5° | 626.6 | 628.6 | 630.6 | 633.7 | 631.6 | 631.6 | 637.2 | 638.7 | 639.2 | 637.2 | 639.2 |
| 180° | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 |



TEST NUMBER: P1428386

CATALOG NUMBER: SQ2W-PW1-K-050U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 |
| 2.5° | 1956.3 | 1955.3 | 1954.6 | 1957.9 | 1965.2 | 1967.9 | 1956.6 | 1945.3 | 1956.6 | 1967.9 | 1965.2 |
| 5° | 1956.9 | 1954.4 | 1953.6 | 1956.9 | 1964.3 | 1966.4 | 1952.3 | 1938.2 | 1952.3 | 1966.4 | 1964.3 |
| 7.5° | 1956.1 | 1952.2 | 1949.3 | 1950.7 | 1956.4 | 1957.0 | 1942.8 | 1928.5 | 1942.8 | 1957.0 | 1956.4 |
| 10° | 1952.9 | 1948.2 | 1944.0 | 1944.4 | 1949.4 | 1949.4 | 1934.5 | 1919.6 | 1934.5 | 1949.4 | 1949.4 |
| 12.5° | 1947.0 | 1941.7 | 1936.9 | 1936.3 | 1940.0 | 1938.8 | 1923.2 | 1907.6 | 1923.2 | 1938.8 | 1940.0 |
| 15° | 1931.8 | 1926.4 | 1920.6 | 1918.1 | 1919.0 | 1915.4 | 1898.8 | 1882.3 | 1898.8 | 1915.4 | 1919.0 |
| 17.5° | 1891.3 | 1889.7 | 1888.2 | 1888.1 | 1889.2 | 1886.0 | 1869.4 | 1852.8 | 1869.4 | 1886.0 | 1889.2 |
| 20° | 1850.6 | 1854.9 | 1860.7 | 1864.9 | 1867.3 | 1865.1 | 1848.5 | 1831.9 | 1848.5 | 1865.1 | 1867.3 |
| 22.5° | 1792.5 | 1805.7 | 1821.4 | 1832.2 | 1838.0 | 1837.9 | 1820.0 | 1802.0 | 1820.0 | 1837.9 | 1838.0 |
| 25° | 1683.3 | 1710.6 | 1743.0 | 1767.4 | 1784.0 | 1792.1 | 1774.7 | 1757.3 | 1774.7 | 1792.1 | 1784.0 |
| 27.5° | 1555.2 | 1594.0 | 1639.9 | 1679.3 | 1712.1 | 1733.2 | 1719.1 | 1705.0 | 1719.1 | 1733.2 | 1712.1 |
| 30° | 1465.8 | 1507.9 | 1558.5 | 1607.8 | 1655.9 | 1689.3 | 1678.5 | 1667.7 | 1678.5 | 1689.3 | 1655.9 |
| 32.5° | 1380.5 | 1424.4 | 1476.9 | 1533.2 | 1593.2 | 1637.2 | 1633.1 | 1628.9 | 1633.1 | 1637.2 | 1593.2 |
| 35° | 1255.3 | 1299.0 | 1352.1 | 1416.3 | 1491.8 | 1550.2 | 1557.7 | 1565.1 | 1557.7 | 1550.2 | 1491.8 |
| 37.5° | 1129.5 | 1175.5 | 1231.0 | 1299.0 | 1379.5 | 1445.3 | 1467.5 | 1489.8 | 1467.5 | 1445.3 | 1379.5 |
| 40° | 1045.9 | 1091.9 | 1147.5 | 1217.1 | 1300.9 | 1371.5 | 1403.0 | 1434.6 | 1403.0 | 1371.5 | 1300.9 |
| 42.5° | 966.6 | 1012.8 | 1068.4 | 1138.0 | 1221.8 | 1294.4 | 1333.9 | 1373.4 | 1333.9 | 1294.4 | 1221.8 |
| 45° | 850.0 | 894.8 | 948.7 | 1018.3 | 1103.7 | 1179.4 | 1225.8 | 1272.3 | 1225.8 | 1179.4 | 1103.7 |
| 47.5° | 741.7 | 784.6 | 836.9 | 905.6 | 990.8 | 1066.3 | 1112.4 | 1158.5 | 1112.4 | 1066.3 | 990.8 |
| 50° | 670.7 | 714.5 | 766.7 | 833.5 | 914.7 | 986.8 | 1031.6 | 1076.4 | 1031.6 | 986.8 | 914.7 |
| 52.5° | 597.4 | 643.8 | 697.4 | 763.8 | 843.1 | 912.5 | 952.7 | 992.8 | 952.7 | 912.5 | 843.1 |
| 55° | 487.1 | 535.4 | 595.1 | 662.2 | 736.9 | 802.4 | 840.5 | 878.6 | 840.5 | 802.4 | 736.9 |
| 57.5° | 410.1 | 453.7 | 507.9 | 568.8 | 636.3 | 695.1 | 728.1 | 761.1 | 728.1 | 695.1 | 636.3 |
| 60° | 368.3 | 405.4 | 451.0 | 506.6 | 572.1 | 628.5 | 657.5 | 686.5 | 657.5 | 628.5 | 572.1 |
| 62.5° | 330.0 | 359.7 | 396.0 | 445.9 | 509.4 | 563.5 | 589.2 | 614.9 | 589.2 | 563.5 | 509.4 |
| 65° | 275.9 | 300.3 | 330.2 | 371.6 | 424.7 | 469.3 | 488.3 | 507.4 | 488.3 | 469.3 | 424.7 |
| 67.5° | 226.6 | 247.6 | 273.8 | 307.4 | 348.3 | 381.7 | 392.3 | 402.9 | 392.3 | 381.7 | 348.3 |
| 70° | 198.6 | 215.8 | 237.3 | 265.9 | 301.6 | 329.2 | 332.5 | 335.8 | 332.5 | 329.2 | 301.6 |
| 72.5° | 172.0 | 185.4 | 202.3 | 226.3 | 257.3 | 280.2 | 278.9 | 277.6 | 278.9 | 280.2 | 257.3 |
| 75° | 135.8 | 144.9 | 156.5 | 173.5 | 195.9 | 211.0 | 204.4 | 197.7 | 204.4 | 211.0 | 195.9 |
| 77.5° | 100.4 | 107.2 | 115.8 | 128.3 | 144.8 | 154.6 | 144.6 | 134.7 | 144.6 | 154.6 | 144.8 |
| 80° | 78.3 | 83.3 | 90.0 | 99.5 | 111.9 | 118.8 | 108.8 | 98.9 | 108.8 | 118.8 | 111.9 |
| 82.5° | 58.9 | 61.4 | 64.8 | 71.0 | 80.1 | 84.9 | 77.0 | 69.0 | 77.0 | 84.9 | 80.1 |
| 85° | 24.0 | 28.0 | 33.0 | 37.1 | 40.4 | 41.9 | 37.7 | 33.6 | 37.7 | 41.9 | 40.4 |
| 87.5° | 7.1 | 7.5 | 8.2 | 10.0 | 13.0 | 14.5 | 11.8 | 9.3 | 11.8 | 14.3 | 13.2 |
| 90° | 13.3 | 12.6 | 12.6 | 12.0 | 10.1 | 7.6 | 4.4 | 1.9 | 4.4 | 7.0 | 11.4 |
| 92.5° | 15.8 | 15.7 | 14.7 | 13.5 | 11.1 | 11.1 | 11.0 | 7.0 | 12.0 | 17.1 | 24.5 |
| 95° | 14.5 | 14.5 | 17.1 | 21.5 | 31.6 | 32.3 | 21.5 | 19.6 | 27.8 | 39.2 | 49.3 |
| 97.5° | 39.3 | 46.8 | 57.4 | 59.4 | 56.3 | 42.0 | 40.2 | 37.4 | 51.0 | 62.2 | 78.5 |
| 100° | 72.7 | 82.2 | 89.8 | 74.6 | 58.8 | 58.2 | 54.4 | 53.1 | 67.7 | 78.4 | 94.2 |
| 102.5° | 113.7 | 116.6 | 90.3 | 81.7 | 78.0 | 75.4 | 69.6 | 68.8 | 83.4 | 98.1 | 111.4 |
| 105° | 123.3 | 110.7 | 111.3 | 111.3 | 108.8 | 103.7 | 93.0 | 92.3 | 108.8 | 125.8 | 142.3 |
| 107.5° | 145.1 | 147.0 | 150.3 | 149.5 | 146.6 | 133.1 | 120.4 | 117.5 | 132.3 | 152.8 | 170.9 |
| 110° | 173.9 | 175.8 | 177.1 | 175.8 | 171.4 | 154.3 | 139.1 | 134.7 | 148.0 | 169.5 | 189.1 |



TEST NUMBER: P1428386

CATALOG NUMBER: SQ2W-PW1-K-050U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 201.7 | 203.1 | 205.9 | 202.1 | 194.7 | 175.0 | 157.8 | 151.4 | 164.7 | 186.7 | 206.8 |
| 115° | 246.0 | 246.0 | 246.6 | 244.7 | 229.6 | 209.3 | 186.6 | 177.1 | 188.5 | 208.7 | 230.8 |
| 117.5° | 289.5 | 290.3 | 287.7 | 282.7 | 265.1 | 241.6 | 216.0 | 200.9 | 209.8 | 231.2 | 254.0 |
| 120° | 316.8 | 318.1 | 315.6 | 308.0 | 290.9 | 264.3 | 235.3 | 217.5 | 224.5 | 245.4 | 268.1 |
| 122.5° | 345.2 | 344.9 | 341.9 | 333.3 | 313.2 | 285.6 | 257.0 | 235.3 | 238.2 | 257.5 | 279.8 |
| 125° | 384.5 | 383.9 | 381.3 | 371.2 | 350.4 | 321.9 | 288.4 | 261.8 | 258.0 | 274.5 | 297.2 |
| 127.5° | 421.9 | 420.5 | 416.6 | 404.4 | 383.0 | 355.5 | 318.7 | 288.6 | 280.2 | 290.5 | 311.4 |
| 130° | 447.7 | 445.8 | 438.9 | 425.6 | 404.7 | 378.8 | 341.5 | 307.3 | 295.3 | 301.7 | 320.0 |
| 132.5° | 472.5 | 467.1 | 461.2 | 446.9 | 427.5 | 400.6 | 362.7 | 327.1 | 310.5 | 313.3 | 327.6 |
| 135° | 504.0 | 499.0 | 491.4 | 477.5 | 459.1 | 432.6 | 394.6 | 356.0 | 333.3 | 330.7 | 339.0 |
| 137.5° | 531.7 | 526.4 | 517.8 | 505.8 | 487.3 | 463.7 | 427.3 | 386.5 | 357.8 | 349.3 | 352.5 |
| 140° | 548.9 | 542.6 | 535.0 | 523.0 | 506.6 | 481.9 | 446.5 | 407.3 | 375.0 | 363.0 | 361.1 |
| 142.5° | 563.1 | 558.3 | 550.2 | 539.2 | 524.8 | 500.1 | 465.7 | 427.0 | 392.7 | 377.2 | 372.7 |
| 145° | 584.3 | 580.5 | 571.7 | 561.6 | 549.6 | 524.9 | 493.3 | 454.7 | 420.5 | 400.3 | 390.8 |
| 147.5° | 602.3 | 599.3 | 592.3 | 580.4 | 570.3 | 546.7 | 517.8 | 483.7 | 448.6 | 423.6 | 411.3 |
| 150° | 613.4 | 610.9 | 603.9 | 592.6 | 582.4 | 560.3 | 532.5 | 500.9 | 467.3 | 440.8 | 425.0 |
| 152.5° | 624.1 | 621.5 | 613.6 | 602.2 | 593.6 | 573.0 | 547.7 | 517.6 | 483.5 | 457.0 | 440.7 |
| 155° | 638.1 | 634.9 | 627.3 | 616.6 | 609.0 | 590.0 | 566.6 | 540.1 | 511.0 | 483.2 | 464.8 |
| 157.5° | 649.2 | 645.3 | 638.2 | 629.0 | 620.9 | 603.4 | 583.1 | 560.2 | 534.8 | 508.2 | 489.5 |
| 160° | 655.8 | 651.4 | 643.8 | 635.6 | 628.0 | 611.5 | 593.2 | 572.3 | 548.9 | 524.9 | 504.7 |
| 162.5° | 660.4 | 656.4 | 647.3 | 640.1 | 633.5 | 618.6 | 601.3 | 582.4 | 561.6 | 540.6 | 521.9 |
| 165° | 665.3 | 660.9 | 651.4 | 645.7 | 640.0 | 627.3 | 612.2 | 597.0 | 579.3 | 562.2 | 547.0 |
| 167.5° | 665.7 | 662.0 | 652.5 | 647.0 | 642.8 | 631.9 | 619.6 | 608.0 | 594.2 | 580.8 | 568.2 |
| 170° | 664.7 | 661.5 | 652.0 | 647.0 | 643.8 | 634.9 | 624.2 | 614.1 | 603.3 | 591.9 | 581.8 |
| 172.5° | 661.1 | 658.0 | 649.0 | 644.9 | 643.3 | 635.4 | 626.7 | 619.1 | 609.9 | 601.5 | 593.4 |
| 175° | 652.0 | 649.5 | 641.9 | 639.4 | 640.0 | 634.9 | 628.6 | 624.2 | 618.5 | 613.4 | 609.0 |
| 177.5° | 638.7 | 637.2 | 631.6 | 631.6 | 633.7 | 630.6 | 628.6 | 626.6 | 624.1 | 622.5 | 621.0 |
| 180° | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 |



TEST NUMBER: P1428386

CATALOG NUMBER: SQ2W-PW1-K-050U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 | 1958.7 |
| 2.5° | 1957.9 | 1954.6 | 1955.3 | 1956.3 | 1958.3 | 1960.2 | 1958.3 | 1956.3 | 1955.3 | 1954.6 | 1957.9 |
| 5° | 1956.9 | 1953.6 | 1954.4 | 1956.9 | 1964.3 | 1971.8 | 1964.3 | 1956.9 | 1954.4 | 1953.6 | 1956.9 |
| 7.5° | 1950.7 | 1949.3 | 1952.2 | 1956.1 | 1963.4 | 1970.7 | 1963.4 | 1956.1 | 1952.2 | 1949.3 | 1950.7 |
| 10° | 1944.4 | 1944.0 | 1948.2 | 1952.9 | 1959.6 | 1966.2 | 1959.6 | 1952.9 | 1948.2 | 1944.0 | 1944.4 |
| 12.5° | 1936.3 | 1936.9 | 1941.7 | 1947.0 | 1953.6 | 1960.2 | 1953.6 | 1947.0 | 1941.7 | 1936.9 | 1936.3 |
| 15° | 1918.1 | 1920.6 | 1926.4 | 1931.8 | 1935.9 | 1940.1 | 1935.9 | 1931.8 | 1926.4 | 1920.6 | 1918.1 |
| 17.5° | 1888.1 | 1888.2 | 1889.7 | 1891.3 | 1893.3 | 1895.3 | 1893.3 | 1891.3 | 1889.7 | 1888.2 | 1888.1 |
| 20° | 1864.9 | 1860.7 | 1854.9 | 1850.6 | 1850.6 | 1850.6 | 1850.6 | 1850.6 | 1854.9 | 1860.7 | 1864.9 |
| 22.5° | 1832.2 | 1821.4 | 1805.7 | 1792.5 | 1787.2 | 1781.9 | 1787.2 | 1792.5 | 1805.7 | 1821.4 | 1832.2 |
| 25° | 1767.4 | 1743.0 | 1710.6 | 1683.3 | 1670.8 | 1658.4 | 1670.8 | 1683.3 | 1710.6 | 1743.0 | 1767.4 |
| 27.5° | 1679.3 | 1639.9 | 1594.0 | 1555.2 | 1538.0 | 1520.7 | 1538.0 | 1555.2 | 1594.0 | 1639.9 | 1679.3 |
| 30° | 1607.8 | 1558.5 | 1507.9 | 1465.8 | 1449.3 | 1432.7 | 1449.3 | 1465.8 | 1507.9 | 1558.5 | 1607.8 |
| 32.5° | 1533.2 | 1476.9 | 1424.4 | 1380.5 | 1362.5 | 1344.6 | 1362.5 | 1380.5 | 1424.4 | 1476.9 | 1533.2 |
| 35° | 1416.3 | 1352.1 | 1299.0 | 1255.3 | 1239.5 | 1223.8 | 1239.5 | 1255.3 | 1299.0 | 1352.1 | 1416.3 |
| 37.5° | 1299.0 | 1231.0 | 1175.5 | 1129.5 | 1112.1 | 1094.7 | 1112.1 | 1129.5 | 1175.5 | 1231.0 | 1299.0 |
| 40° | 1217.1 | 1147.5 | 1091.9 | 1045.9 | 1028.5 | 1011.1 | 1028.5 | 1045.9 | 1091.9 | 1147.5 | 1217.1 |
| 42.5° | 1138.0 | 1068.4 | 1012.8 | 966.6 | 948.6 | 930.5 | 948.6 | 966.6 | 1012.8 | 1068.4 | 1138.0 |
| 45° | 1018.3 | 948.7 | 894.8 | 850.0 | 832.6 | 815.2 | 832.6 | 850.0 | 894.8 | 948.7 | 1018.3 |
| 47.5° | 905.6 | 836.9 | 784.6 | 741.7 | 726.8 | 711.9 | 726.8 | 741.7 | 784.6 | 836.9 | 905.6 |
| 50° | 833.5 | 766.7 | 714.5 | 670.7 | 652.5 | 634.3 | 652.5 | 670.7 | 714.5 | 766.7 | 833.5 |
| 52.5° | 763.8 | 697.4 | 643.8 | 597.4 | 572.6 | 547.7 | 572.6 | 597.4 | 643.8 | 697.4 | 763.8 |
| 55° | 662.2 | 595.1 | 535.4 | 487.1 | 473.0 | 458.9 | 473.0 | 487.1 | 535.4 | 595.1 | 662.2 |
| 57.5° | 568.8 | 507.9 | 453.7 | 410.1 | 398.5 | 386.9 | 398.5 | 410.1 | 453.7 | 507.9 | 568.8 |
| 60° | 506.6 | 451.0 | 405.4 | 368.3 | 356.7 | 345.1 | 356.7 | 368.3 | 405.4 | 451.0 | 506.6 |
| 62.5° | 445.9 | 396.0 | 359.7 | 330.0 | 320.4 | 310.8 | 320.4 | 330.0 | 359.7 | 396.0 | 445.9 |
| 65° | 371.6 | 330.2 | 300.3 | 275.9 | 267.6 | 259.3 | 267.6 | 275.9 | 300.3 | 330.2 | 371.6 |
| 67.5° | 307.4 | 273.8 | 247.6 | 226.6 | 221.1 | 215.6 | 221.1 | 226.6 | 247.6 | 273.8 | 307.4 |
| 70° | 265.9 | 237.3 | 215.8 | 198.6 | 194.4 | 190.3 | 194.4 | 198.6 | 215.8 | 237.3 | 265.9 |
| 72.5° | 226.3 | 202.3 | 185.4 | 172.0 | 169.2 | 166.4 | 169.2 | 172.0 | 185.4 | 202.3 | 226.3 |
| 75° | 173.5 | 156.5 | 144.9 | 135.8 | 134.1 | 132.4 | 134.1 | 135.8 | 144.9 | 156.5 | 173.5 |
| 77.5° | 128.3 | 115.8 | 107.2 | 100.4 | 99.1 | 97.8 | 99.1 | 100.4 | 107.2 | 115.8 | 128.3 |
| 80° | 99.5 | 90.0 | 83.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 83.3 | 90.0 | 99.5 |
| 82.5° | 71.0 | 64.8 | 61.4 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 61.4 | 64.8 | 71.0 |
| 85° | 37.1 | 33.0 | 28.0 | 24.0 | 23.2 | 22.4 | 23.2 | 24.0 | 28.0 | 33.0 | 37.1 |
| 87.5° | 10.5 | 9.4 | 9.7 | 9.7 | 10.2 | 9.9 | 10.2 | 9.7 | 9.7 | 9.4 | 10.5 |
| 90° | 14.5 | 19.0 | 23.4 | 25.9 | 28.5 | 27.2 | 28.5 | 25.9 | 23.4 | 19.0 | 14.5 |
| 92.5° | 29.2 | 36.7 | 42.1 | 46.7 | 48.7 | 48.4 | 48.7 | 46.7 | 42.1 | 36.7 | 29.2 |
| 95° | 58.8 | 67.7 | 76.5 | 82.8 | 86.6 | 85.4 | 86.6 | 82.8 | 76.5 | 67.7 | 58.8 |
| 97.5° | 90.7 | 102.6 | 112.4 | 118.4 | 122.2 | 124.7 | 122.2 | 118.4 | 112.4 | 102.6 | 90.7 |
| 100° | 111.9 | 123.3 | 134.7 | 141.7 | 148.0 | 150.5 | 148.0 | 141.7 | 134.7 | 123.3 | 111.9 |
| 102.5° | 129.1 | 144.1 | 156.5 | 163.9 | 169.2 | 171.8 | 169.2 | 163.9 | 156.5 | 144.1 | 129.1 |
| 105° | 157.5 | 173.3 | 186.6 | 196.0 | 201.7 | 203.6 | 201.7 | 196.0 | 186.6 | 173.3 | 157.5 |
| 107.5° | 185.8 | 202.1 | 214.4 | 224.9 | 231.8 | 235.9 | 231.8 | 224.9 | 214.4 | 202.1 | 185.8 |
| 110° | 208.1 | 221.3 | 234.6 | 244.1 | 251.1 | 253.6 | 251.1 | 244.1 | 234.6 | 221.3 | 208.1 |



TEST NUMBER: P1428386

CATALOG NUMBER: SQ2W-PW1-K-050U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 226.8 | 241.6 | 254.9 | 264.3 | 272.3 | 275.9 | 272.3 | 264.3 | 254.9 | 241.6 | 226.8 |
| 115° | 253.0 | 272.6 | 284.6 | 293.4 | 299.1 | 302.3 | 299.1 | 293.4 | 284.6 | 272.6 | 253.0 |
| 117.5° | 274.7 | 295.2 | 308.4 | 315.2 | 317.8 | 320.1 | 317.8 | 315.2 | 308.4 | 295.2 | 274.7 |
| 120° | 288.4 | 307.3 | 322.5 | 331.4 | 334.5 | 335.8 | 334.5 | 331.4 | 322.5 | 307.3 | 288.4 |
| 122.5° | 301.0 | 319.0 | 333.7 | 344.5 | 349.7 | 351.0 | 349.7 | 344.5 | 333.7 | 319.0 | 301.0 |
| 125° | 318.7 | 335.8 | 351.0 | 361.7 | 367.4 | 370.6 | 367.4 | 361.7 | 351.0 | 335.8 | 318.7 |
| 127.5° | 334.2 | 352.6 | 366.5 | 376.3 | 381.8 | 384.4 | 381.8 | 376.3 | 366.5 | 352.6 | 334.2 |
| 130° | 342.8 | 361.7 | 375.6 | 386.4 | 391.5 | 394.0 | 391.5 | 386.4 | 375.6 | 361.7 | 342.8 |
| 132.5° | 349.3 | 369.3 | 383.7 | 393.5 | 399.0 | 401.6 | 399.0 | 393.5 | 383.7 | 369.3 | 349.3 |
| 135° | 357.3 | 378.2 | 393.4 | 402.8 | 407.9 | 410.4 | 407.9 | 402.8 | 393.4 | 378.2 | 357.3 |
| 137.5° | 364.3 | 383.2 | 399.0 | 409.0 | 413.6 | 415.2 | 413.6 | 409.0 | 399.0 | 383.2 | 364.3 |
| 140° | 369.3 | 385.8 | 401.6 | 411.1 | 416.1 | 416.8 | 416.1 | 411.1 | 401.6 | 385.8 | 369.3 |
| 142.5° | 375.9 | 388.8 | 402.6 | 412.1 | 417.1 | 418.3 | 417.1 | 412.1 | 402.6 | 388.8 | 375.9 |
| 145° | 387.7 | 395.3 | 404.7 | 413.6 | 418.0 | 419.3 | 418.0 | 413.6 | 404.7 | 395.3 | 387.7 |
| 147.5° | 402.5 | 404.9 | 409.8 | 415.6 | 419.9 | 420.8 | 419.9 | 415.6 | 409.8 | 404.9 | 402.5 |
| 150° | 413.6 | 413.0 | 414.9 | 418.7 | 422.4 | 421.8 | 422.4 | 418.7 | 414.9 | 413.0 | 413.6 |
| 152.5° | 426.2 | 422.6 | 422.4 | 424.2 | 426.0 | 425.9 | 426.0 | 424.2 | 422.4 | 422.6 | 426.2 |
| 155° | 447.7 | 440.8 | 437.0 | 435.7 | 435.7 | 435.1 | 435.7 | 435.7 | 437.0 | 440.8 | 447.7 |
| 157.5° | 471.4 | 461.7 | 456.0 | 452.9 | 452.0 | 450.7 | 452.0 | 452.9 | 456.0 | 461.7 | 471.4 |
| 160° | 487.6 | 476.8 | 471.1 | 466.1 | 464.2 | 462.3 | 464.2 | 466.1 | 471.1 | 476.8 | 487.6 |
| 162.5° | 502.8 | 492.5 | 486.3 | 481.8 | 479.9 | 477.0 | 479.9 | 481.8 | 486.3 | 492.5 | 502.8 |
| 165° | 527.4 | 516.7 | 509.7 | 505.9 | 503.4 | 500.9 | 503.4 | 505.9 | 509.7 | 516.7 | 527.4 |
| 167.5° | 552.1 | 540.3 | 535.8 | 531.5 | 529.1 | 524.5 | 529.1 | 531.5 | 535.8 | 540.3 | 552.1 |
| 170° | 567.3 | 556.5 | 554.0 | 550.2 | 545.8 | 540.7 | 545.8 | 550.2 | 554.0 | 556.5 | 567.3 |
| 172.5° | 580.4 | 573.2 | 570.7 | 566.9 | 565.5 | 561.4 | 565.5 | 566.9 | 570.7 | 573.2 | 580.4 |
| 175° | 599.5 | 593.8 | 593.8 | 593.2 | 591.3 | 587.5 | 591.3 | 593.2 | 593.8 | 593.8 | 599.5 |
| 177.5° | 615.5 | 612.4 | 614.4 | 614.4 | 613.9 | 610.4 | 613.9 | 614.4 | 614.4 | 612.4 | 615.5 |
| 180° | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 |



TEST NUMBER: P1428386

CATALOG NUMBER: SQ2W-PW1-K-050U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|
| 0° | 1958.7 | 1958.7 | 1958.7 | 1958.7 |
| 2.5° | 1965.2 | 1967.9 | 1956.6 | 1945.3 |
| 5° | 1964.3 | 1966.4 | 1952.3 | 1938.2 |
| 7.5° | 1956.4 | 1957.0 | 1942.8 | 1928.5 |
| 10° | 1949.4 | 1949.4 | 1934.5 | 1919.6 |
| 12.5° | 1940.0 | 1938.8 | 1923.2 | 1907.6 |
| 15° | 1919.0 | 1915.4 | 1898.8 | 1882.3 |
| 17.5° | 1889.2 | 1886.0 | 1869.4 | 1852.8 |
| 20° | 1867.3 | 1865.1 | 1848.5 | 1831.9 |
| 22.5° | 1838.0 | 1837.9 | 1820.0 | 1802.0 |
| 25° | 1784.0 | 1792.1 | 1774.7 | 1757.3 |
| 27.5° | 1712.1 | 1733.2 | 1719.1 | 1705.0 |
| 30° | 1655.9 | 1689.3 | 1678.5 | 1667.7 |
| 32.5° | 1593.2 | 1637.2 | 1633.1 | 1628.9 |
| 35° | 1491.8 | 1550.2 | 1557.7 | 1565.1 |
| 37.5° | 1379.5 | 1445.3 | 1467.5 | 1489.8 |
| 40° | 1300.9 | 1371.5 | 1403.0 | 1434.6 |
| 42.5° | 1221.8 | 1294.4 | 1333.9 | 1373.4 |
| 45° | 1103.7 | 1179.4 | 1225.8 | 1272.3 |
| 47.5° | 990.8 | 1066.3 | 1112.4 | 1158.5 |
| 50° | 914.7 | 986.8 | 1031.6 | 1076.4 |
| 52.5° | 843.1 | 912.5 | 952.7 | 992.8 |
| 55° | 736.9 | 802.4 | 840.5 | 878.6 |
| 57.5° | 636.3 | 695.1 | 728.1 | 761.1 |
| 60° | 572.1 | 628.5 | 657.5 | 686.5 |
| 62.5° | 509.4 | 563.5 | 589.2 | 614.9 |
| 65° | 424.7 | 469.3 | 488.3 | 507.4 |
| 67.5° | 348.3 | 381.7 | 392.3 | 402.9 |
| 70° | 301.6 | 329.2 | 332.5 | 335.8 |
| 72.5° | 257.3 | 280.2 | 278.9 | 277.6 |
| 75° | 195.9 | 211.0 | 204.4 | 197.7 |
| 77.5° | 144.8 | 154.6 | 144.6 | 134.7 |
| 80° | 111.9 | 118.8 | 108.8 | 98.9 |
| 82.5° | 80.1 | 84.9 | 77.0 | 69.0 |
| 85° | 40.4 | 41.9 | 37.7 | 33.6 |
| 87.5° | 13.2 | 14.3 | 11.8 | 9.3 |
| 90° | 11.4 | 7.0 | 4.4 | 1.9 |
| 92.5° | 24.5 | 17.1 | 12.0 | 7.0 |
| 95° | 49.3 | 39.2 | 27.8 | 19.6 |
| 97.5° | 78.5 | 62.2 | 51.0 | 37.4 |
| 100° | 94.2 | 78.4 | 67.7 | 53.1 |
| 102.5° | 111.4 | 98.1 | 83.4 | 68.8 |
| 105° | 142.3 | 125.8 | 108.8 | 92.3 |
| 107.5° | 170.9 | 152.8 | 132.3 | 117.5 |
| 110° | 189.1 | 169.5 | 148.0 | 134.7 |



TEST NUMBER: P1428386

CATALOG NUMBER: SQ2W-PW1-K-050U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|-------|-------|-------|-------|
| 112.5° | 206.8 | 186.7 | 164.7 | 151.4 |
| 115° | 230.8 | 208.7 | 188.5 | 177.1 |
| 117.5° | 254.0 | 231.2 | 209.8 | 200.9 |
| 120° | 268.1 | 245.4 | 224.5 | 217.5 |
| 122.5° | 279.8 | 257.5 | 238.2 | 235.3 |
| 125° | 297.2 | 274.5 | 258.0 | 261.8 |
| 127.5° | 311.4 | 290.5 | 280.2 | 288.6 |
| 130° | 320.0 | 301.7 | 295.3 | 307.3 |
| 132.5° | 327.6 | 313.3 | 310.5 | 327.1 |
| 135° | 339.0 | 330.7 | 333.3 | 356.0 |
| 137.5° | 352.5 | 349.3 | 357.8 | 386.5 |
| 140° | 361.1 | 363.0 | 375.0 | 407.3 |
| 142.5° | 372.7 | 377.2 | 392.7 | 427.0 |
| 145° | 390.8 | 400.3 | 420.5 | 454.7 |
| 147.5° | 411.3 | 423.6 | 448.6 | 483.7 |
| 150° | 425.0 | 440.8 | 467.3 | 500.9 |
| 152.5° | 440.7 | 457.0 | 483.5 | 517.6 |
| 155° | 464.8 | 483.2 | 511.0 | 540.1 |
| 157.5° | 489.5 | 508.2 | 534.8 | 560.2 |
| 160° | 504.7 | 524.9 | 548.9 | 572.3 |
| 162.5° | 521.9 | 540.6 | 561.6 | 582.4 |
| 165° | 547.0 | 562.2 | 579.3 | 597.0 |
| 167.5° | 568.2 | 580.8 | 594.2 | 608.0 |
| 170° | 581.8 | 591.9 | 603.3 | 614.1 |
| 172.5° | 593.4 | 601.5 | 609.9 | 619.1 |
| 175° | 609.0 | 613.4 | 618.5 | 624.2 |
| 177.5° | 621.0 | 622.5 | 624.1 | 626.6 |
| 180° | 626.1 | 626.1 | 626.1 | 626.1 |



TEST NUMBER: P1428386
 CATALOG NUMBER: SQ2W-PW1-K-050U-100D-L930-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 | 20.64 | 21.66 | 21.41 | 22.45 | 23.40 | 16.89 | 17.91 | 17.66 | 18.70 | 19.65 |
| | 3H | 21.96 | 22.87 | 22.74 | 23.66 | 24.64 | 18.17 | 19.09 | 18.96 | 19.88 | 20.86 |
| | 4H | 22.37 | 23.23 | 23.17 | 24.04 | 25.03 | 18.69 | 19.55 | 19.49 | 20.35 | 21.34 |
| | 6H | 22.56 | 23.35 | 23.37 | 24.16 | 25.17 | 19.00 | 19.79 | 19.82 | 20.61 | 21.61 |
| | 8H | 22.61 | 23.36 | 23.43 | 24.19 | 25.20 | 19.12 | 19.87 | 19.94 | 20.70 | 21.71 |
| | 12H | 22.62 | 23.33 | 23.44 | 24.15 | 25.19 | 19.16 | 19.87 | 19.98 | 20.70 | 21.73 |
| 4H | 2H | 20.80 | 21.65 | 21.60 | 22.46 | 23.45 | 17.72 | 18.58 | 18.53 | 19.38 | 20.38 |
| | 3H | 22.35 | 23.06 | 23.17 | 23.90 | 24.91 | 19.18 | 19.89 | 20.00 | 20.73 | 21.74 |
| | 4H | 22.90 | 23.55 | 23.73 | 24.38 | 25.42 | 19.77 | 20.41 | 20.60 | 21.25 | 22.29 |
| | 6H | 23.22 | 23.78 | 24.07 | 24.64 | 25.68 | 20.16 | 20.72 | 21.01 | 21.58 | 22.62 |
| | 8H | 23.32 | 23.84 | 24.16 | 24.69 | 25.74 | 20.31 | 20.83 | 21.16 | 21.69 | 22.74 |
| | 12H | 23.34 | 23.81 | 24.21 | 24.69 | 25.75 | 20.36 | 20.83 | 21.23 | 21.71 | 22.76 |
| 8H | 4H | 22.95 | 23.47 | 23.80 | 24.33 | 25.38 | 20.12 | 20.64 | 20.97 | 21.50 | 22.55 |
| | 6H | 23.38 | 23.81 | 24.26 | 24.71 | 25.76 | 20.62 | 21.05 | 21.50 | 21.95 | 23.00 |
| | 8H | 23.55 | 23.93 | 24.44 | 24.82 | 25.89 | 20.84 | 21.22 | 21.73 | 22.11 | 23.18 |
| | 12H | 23.63 | 23.97 | 24.52 | 24.85 | 25.98 | 20.93 | 21.26 | 21.82 | 22.15 | 23.27 |
| 12H | 4H | 22.92 | 23.38 | 23.79 | 24.26 | 25.32 | 20.15 | 20.61 | 21.02 | 21.49 | 22.55 |
| | 6H | 23.37 | 23.75 | 24.26 | 24.65 | 25.72 | 20.70 | 21.08 | 21.58 | 21.97 | 23.04 |
| | 8H | 23.57 | 23.91 | 24.46 | 24.79 | 25.91 | 20.95 | 21.28 | 21.84 | 22.16 | 23.29 |