

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1427669

Luminaire Tested: SQ2W-F-0U-125D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427669
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-F-0U-125D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT N/A - DIRECT ONLY
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

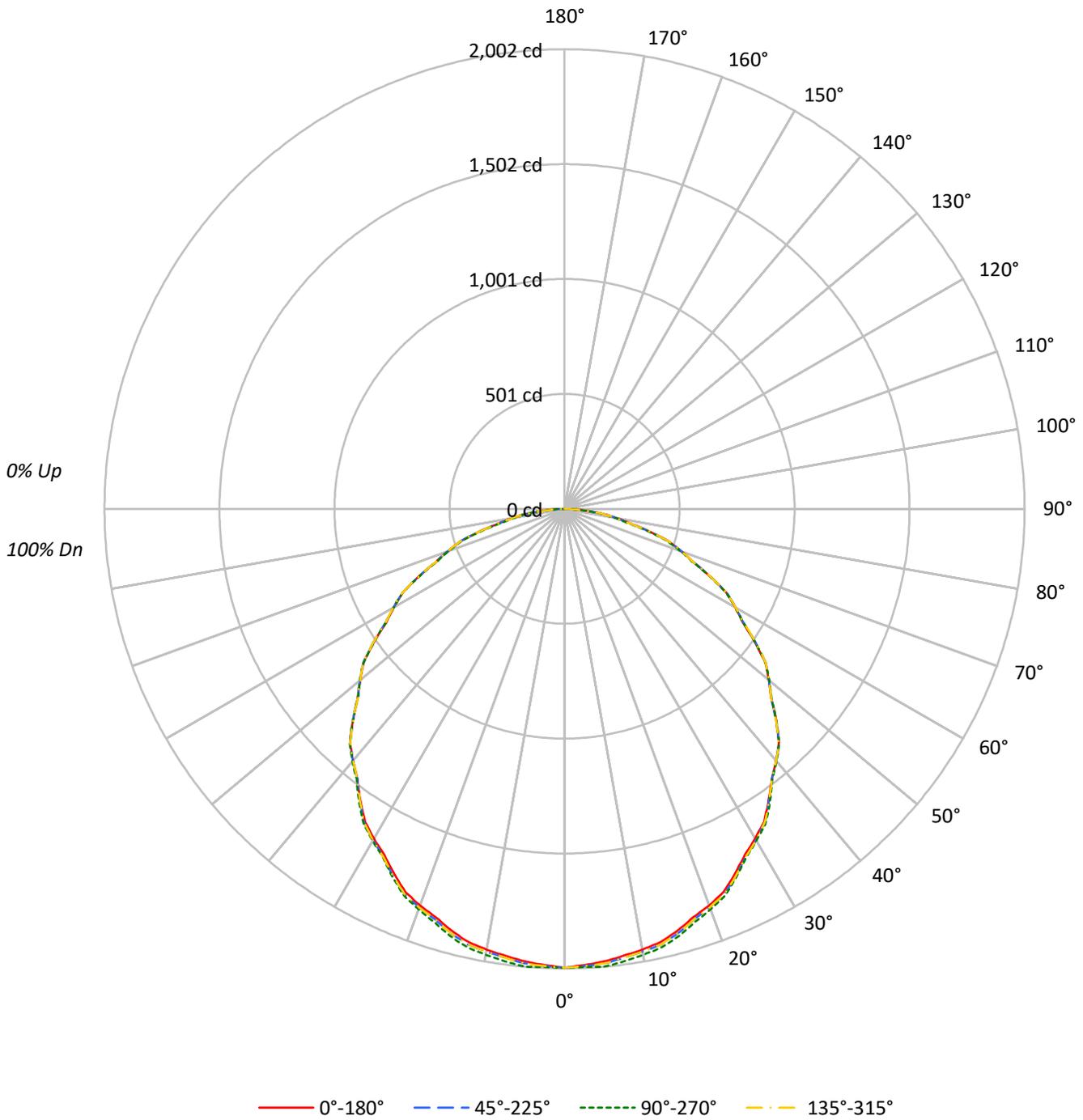
Lumens per Lamp: N/A
Luminaire Lumens: 5626.3 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 49.2
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: P1427669

CATALOG NUMBER: SQ2W-F-0U-125D-L830-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427669

CATALOG NUMBER: SQ2W-F-0U-125D-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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 109 | 104 | 100 | 96 | 106 | 102 | 98 | 94 | 97 | 94 | 91 | 93 | 91 | 88 | 90 | 88 | 86 | 84 |
| 2 | 99 | 90 | 84 | 78 | 96 | 89 | 82 | 77 | 85 | 80 | 75 | 82 | 77 | 73 | 79 | 75 | 72 | 70 |
| 3 | 90 | 79 | 71 | 65 | 87 | 78 | 70 | 64 | 75 | 68 | 63 | 72 | 66 | 62 | 69 | 65 | 61 | 58 |
| 4 | 82 | 70 | 61 | 55 | 80 | 69 | 61 | 54 | 66 | 59 | 54 | 64 | 58 | 53 | 62 | 57 | 52 | 50 |
| 5 | 76 | 63 | 54 | 47 | 74 | 62 | 53 | 47 | 60 | 52 | 46 | 58 | 51 | 46 | 56 | 50 | 45 | 43 |
| 6 | 70 | 56 | 47 | 41 | 68 | 56 | 47 | 41 | 54 | 46 | 40 | 52 | 45 | 40 | 50 | 44 | 40 | 38 |
| 7 | 65 | 51 | 42 | 36 | 63 | 50 | 42 | 36 | 49 | 41 | 36 | 47 | 41 | 36 | 46 | 40 | 35 | 33 |
| 8 | 60 | 47 | 38 | 32 | 59 | 46 | 38 | 32 | 45 | 37 | 32 | 43 | 37 | 32 | 42 | 36 | 32 | 30 |
| 9 | 56 | 43 | 35 | 29 | 55 | 42 | 34 | 29 | 41 | 34 | 29 | 40 | 33 | 29 | 39 | 33 | 29 | 27 |
| 10 | 53 | 40 | 32 | 26 | 52 | 39 | 31 | 26 | 38 | 31 | 26 | 37 | 31 | 26 | 36 | 30 | 26 | 24 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 32277 | 32277 | 32277 | 32277 |
| 5° | 32081 | 32445 | 32081 | 32445 |
| 10° | 31966 | 32337 | 31966 | 32337 |
| 15° | 31792 | 32192 | 31792 | 32192 |
| 20° | 31590 | 31905 | 31590 | 31905 |
| 25° | 31249 | 31525 | 31249 | 31525 |
| 30° | 30918 | 31129 | 30918 | 31129 |
| 35° | 30523 | 30718 | 30523 | 30718 |
| 40° | 30177 | 30266 | 30177 | 30266 |
| 45° | 29733 | 29733 | 29733 | 29733 |
| 50° | 29137 | 29210 | 29137 | 29210 |
| 55° | 28453 | 28492 | 28453 | 28492 |
| 60° | 27686 | 27686 | 27686 | 27686 |
| 65° | 26785 | 26678 | 26785 | 26678 |
| 70° | 25520 | 25255 | 25520 | 25255 |
| 75° | 23799 | 23275 | 23799 | 23275 |
| 80° | 21208 | 20158 | 21208 | 20158 |
| 85° | 16950 | 14338 | 16950 | 14338 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 29934 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 189.2 | 3.4 |
| 10°-20° | 540.5 | 9.6 |
| 20°-30° | 813.5 | 14.5 |
| 30°-40° | 972.9 | 17.3 |
| 40°-50° | 1004.6 | 17.9 |
| 50°-60° | 906.1 | 16.1 |
| 60°-70° | 694.1 | 12.3 |
| 70°-80° | 401.2 | 7.1 |
| 80°-90° | 104.2 | 1.9 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 1543.2 | 27.4 |
| 0°-40° | 2516.1 | 44.7 |
| 0°-60° | 4426.8 | 78.7 |
| 0°-90° | 5626.3 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5626.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1999 | 1999 | 1999 | 1999 | 1999 | |
| 5° | 1979 | 2002 | 1979 | 2002 | 1979 | 188 |
| 15° | 1902 | 1926 | 1902 | 1926 | 1902 | 536 |
| 25° | 1754 | 1770 | 1754 | 1770 | 1754 | 808 |
| 35° | 1549 | 1558 | 1549 | 1558 | 1549 | 969 |
| 45° | 1302 | 1302 | 1302 | 1302 | 1302 | 1003 |
| 55° | 1011 | 1012 | 1011 | 1012 | 1011 | 903 |
| 65° | 701 | 698 | 701 | 698 | 701 | 693 |
| 75° | 382 | 373 | 382 | 373 | 382 | 404 |
| 85° | 92 | 77 | 92 | 77 | 92 | 110 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1427669

CATALOG NUMBER: SQ2W-F-OU-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1999.1 | 1999.1 | 1999.1 | 1999.1 | 1999.1 | 1999.1 | 1999.1 | 1999.1 | 1999.1 | 1999.1 | 1999.1 |
| 2.5° | 1989.0 | 1998.5 | 2008.0 | 2004.0 | 1995.5 | 1992.2 | 1994.2 | 1996.0 | 1997.0 | 1998.0 | 1997.0 |
| 5° | 1979.4 | 1991.9 | 2004.4 | 2000.0 | 1990.0 | 1985.7 | 1986.9 | 1989.4 | 1995.7 | 2001.9 | 1995.7 |
| 7.5° | 1963.4 | 1975.9 | 1988.4 | 1984.4 | 1974.9 | 1970.9 | 1972.4 | 1975.1 | 1981.6 | 1988.1 | 1981.6 |
| 10° | 1949.8 | 1962.4 | 1974.9 | 1970.5 | 1960.5 | 1956.7 | 1959.2 | 1962.4 | 1967.4 | 1972.4 | 1967.4 |
| 12.5° | 1932.9 | 1945.5 | 1958.0 | 1954.3 | 1945.3 | 1941.6 | 1943.1 | 1945.6 | 1951.1 | 1956.6 | 1951.1 |
| 15° | 1902.0 | 1914.5 | 1927.0 | 1923.6 | 1914.8 | 1911.4 | 1913.2 | 1915.9 | 1920.9 | 1925.9 | 1920.9 |
| 17.5° | 1864.5 | 1876.3 | 1888.0 | 1884.9 | 1876.8 | 1873.8 | 1875.9 | 1878.6 | 1883.0 | 1887.3 | 1883.0 |
| 20° | 1838.6 | 1849.9 | 1861.1 | 1857.9 | 1849.7 | 1846.0 | 1846.6 | 1848.2 | 1852.5 | 1856.9 | 1852.5 |
| 22.5° | 1807.1 | 1818.3 | 1829.6 | 1826.7 | 1819.1 | 1814.6 | 1813.2 | 1813.5 | 1818.9 | 1824.3 | 1818.9 |
| 25° | 1754.1 | 1765.4 | 1776.7 | 1774.3 | 1767.4 | 1763.1 | 1761.2 | 1760.9 | 1765.3 | 1769.6 | 1765.3 |
| 27.5° | 1699.0 | 1708.3 | 1717.7 | 1715.8 | 1710.0 | 1706.5 | 1705.3 | 1705.1 | 1708.2 | 1711.4 | 1708.2 |
| 30° | 1658.4 | 1667.8 | 1677.2 | 1674.8 | 1668.6 | 1664.8 | 1663.6 | 1663.4 | 1666.6 | 1669.7 | 1666.6 |
| 32.5° | 1615.6 | 1624.5 | 1633.4 | 1630.2 | 1622.9 | 1619.2 | 1618.9 | 1619.6 | 1623.3 | 1626.9 | 1623.3 |
| 35° | 1548.6 | 1556.1 | 1563.6 | 1560.3 | 1553.5 | 1550.3 | 1551.0 | 1552.2 | 1555.3 | 1558.5 | 1555.3 |
| 37.5° | 1481.3 | 1487.1 | 1492.8 | 1489.5 | 1483.1 | 1479.8 | 1479.7 | 1480.3 | 1482.9 | 1485.5 | 1482.9 |
| 40° | 1431.8 | 1438.0 | 1444.3 | 1440.7 | 1433.8 | 1430.0 | 1429.4 | 1429.7 | 1432.9 | 1436.0 | 1432.9 |
| 42.5° | 1381.1 | 1385.8 | 1390.6 | 1387.4 | 1381.5 | 1378.7 | 1379.1 | 1379.8 | 1381.4 | 1383.0 | 1381.4 |
| 45° | 1302.2 | 1306.6 | 1311.0 | 1307.9 | 1302.2 | 1299.4 | 1299.4 | 1299.7 | 1301.0 | 1302.2 | 1301.0 |
| 47.5° | 1219.7 | 1223.1 | 1226.5 | 1224.1 | 1219.7 | 1217.1 | 1216.4 | 1216.3 | 1218.3 | 1220.3 | 1218.3 |
| 50° | 1160.0 | 1164.4 | 1168.8 | 1166.6 | 1162.2 | 1159.4 | 1158.2 | 1157.9 | 1160.4 | 1162.9 | 1160.4 |
| 52.5° | 1101.5 | 1106.4 | 1111.2 | 1109.2 | 1104.8 | 1101.7 | 1100.0 | 1099.2 | 1101.2 | 1103.2 | 1101.2 |
| 55° | 1010.8 | 1016.4 | 1022.1 | 1020.7 | 1016.9 | 1013.8 | 1011.3 | 1009.7 | 1011.0 | 1012.2 | 1011.0 |
| 57.5° | 918.2 | 923.7 | 929.2 | 928.1 | 924.9 | 921.7 | 918.7 | 916.9 | 918.7 | 920.4 | 918.7 |
| 60° | 857.4 | 862.4 | 867.4 | 865.8 | 862.1 | 858.9 | 856.4 | 854.9 | 856.1 | 857.4 | 856.1 |
| 62.5° | 795.4 | 800.4 | 805.4 | 803.5 | 799.2 | 795.9 | 793.4 | 791.8 | 793.0 | 794.3 | 793.0 |
| 65° | 701.1 | 705.5 | 709.9 | 708.1 | 704.4 | 701.3 | 698.8 | 697.0 | 697.7 | 698.3 | 697.7 |
| 67.5° | 605.9 | 609.7 | 613.4 | 611.7 | 608.0 | 604.4 | 600.8 | 598.3 | 599.3 | 600.3 | 599.3 |
| 70° | 540.6 | 544.4 | 548.1 | 546.7 | 543.6 | 540.4 | 537.3 | 535.0 | 535.0 | 535.0 | 535.0 |
| 72.5° | 477.5 | 480.8 | 484.0 | 482.1 | 478.5 | 475.4 | 472.7 | 470.8 | 470.8 | 470.8 | 470.8 |
| 75° | 381.5 | 383.4 | 385.3 | 384.3 | 382.5 | 380.0 | 376.8 | 374.3 | 373.7 | 373.1 | 373.7 |
| 77.5° | 288.9 | 288.9 | 288.9 | 287.1 | 284.7 | 282.3 | 280.0 | 278.0 | 277.2 | 276.5 | 277.2 |
| 80° | 228.1 | 228.1 | 228.1 | 226.7 | 224.8 | 222.9 | 221.0 | 219.3 | 218.1 | 216.8 | 218.1 |
| 82.5° | 171.8 | 170.8 | 169.8 | 168.1 | 166.2 | 163.8 | 161.0 | 159.1 | 160.4 | 161.6 | 160.4 |
| 85° | 91.5 | 90.3 | 89.0 | 87.3 | 85.4 | 83.2 | 80.7 | 78.7 | 78.1 | 77.4 | 78.1 |
| 87.5° | 28.2 | 27.2 | 26.2 | 24.8 | 23.3 | 21.5 | 19.5 | 17.9 | 17.4 | 16.9 | 17.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: SQ2W-F-OU-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1999.1 | 1999.1 | 1999.1 | 1999.1 | 1999.1 | 1999.1 | 1999.1 | 1999.1 | 1999.1 | 1999.1 | 1999.1 |
| 2.5° | 1996.0 | 1994.2 | 1992.2 | 1995.5 | 2004.0 | 2008.0 | 1998.5 | 1989.0 | 1998.5 | 2008.0 | 2004.0 |
| 5° | 1989.4 | 1986.9 | 1985.7 | 1990.0 | 2000.0 | 2004.4 | 1991.9 | 1979.4 | 1991.9 | 2004.4 | 2000.0 |
| 7.5° | 1975.1 | 1972.4 | 1970.9 | 1974.9 | 1984.4 | 1988.4 | 1975.9 | 1963.4 | 1975.9 | 1988.4 | 1984.4 |
| 10° | 1962.4 | 1959.2 | 1956.7 | 1960.5 | 1970.5 | 1974.9 | 1962.4 | 1949.8 | 1962.4 | 1974.9 | 1970.5 |
| 12.5° | 1945.6 | 1943.1 | 1941.6 | 1945.3 | 1954.3 | 1958.0 | 1945.5 | 1932.9 | 1945.5 | 1958.0 | 1954.3 |
| 15° | 1915.9 | 1913.2 | 1911.4 | 1914.8 | 1923.6 | 1927.0 | 1914.5 | 1902.0 | 1914.5 | 1927.0 | 1923.6 |
| 17.5° | 1878.6 | 1875.9 | 1873.8 | 1876.8 | 1884.9 | 1888.0 | 1876.3 | 1864.5 | 1876.3 | 1888.0 | 1884.9 |
| 20° | 1848.2 | 1846.6 | 1846.0 | 1849.7 | 1857.9 | 1861.1 | 1849.9 | 1838.6 | 1849.9 | 1861.1 | 1857.9 |
| 22.5° | 1813.5 | 1813.2 | 1814.6 | 1819.1 | 1826.7 | 1829.6 | 1818.3 | 1807.1 | 1818.3 | 1829.6 | 1826.7 |
| 25° | 1760.9 | 1761.2 | 1763.1 | 1767.4 | 1774.3 | 1776.7 | 1765.4 | 1754.1 | 1765.4 | 1776.7 | 1774.3 |
| 27.5° | 1705.1 | 1705.3 | 1706.5 | 1710.0 | 1715.8 | 1717.7 | 1708.3 | 1699.0 | 1708.3 | 1717.7 | 1715.8 |
| 30° | 1663.4 | 1663.6 | 1664.8 | 1668.6 | 1674.8 | 1677.2 | 1667.8 | 1658.4 | 1667.8 | 1677.2 | 1674.8 |
| 32.5° | 1619.6 | 1618.9 | 1619.2 | 1622.9 | 1630.2 | 1633.4 | 1624.5 | 1615.6 | 1624.5 | 1633.4 | 1630.2 |
| 35° | 1552.2 | 1551.0 | 1550.3 | 1553.5 | 1560.3 | 1563.6 | 1556.1 | 1548.6 | 1556.1 | 1563.6 | 1560.3 |
| 37.5° | 1480.3 | 1479.7 | 1479.8 | 1483.1 | 1489.5 | 1492.8 | 1487.1 | 1481.3 | 1487.1 | 1492.8 | 1489.5 |
| 40° | 1429.7 | 1429.4 | 1430.0 | 1433.8 | 1440.7 | 1444.3 | 1438.0 | 1431.8 | 1438.0 | 1444.3 | 1440.7 |
| 42.5° | 1379.8 | 1379.1 | 1378.7 | 1381.5 | 1387.4 | 1390.6 | 1385.8 | 1381.1 | 1385.8 | 1390.6 | 1387.4 |
| 45° | 1299.7 | 1299.4 | 1299.4 | 1302.2 | 1307.9 | 1311.0 | 1306.6 | 1302.2 | 1306.6 | 1311.0 | 1307.9 |
| 47.5° | 1216.3 | 1216.4 | 1217.1 | 1219.7 | 1224.1 | 1226.5 | 1223.1 | 1219.7 | 1223.1 | 1226.5 | 1224.1 |
| 50° | 1157.9 | 1158.2 | 1159.4 | 1162.2 | 1166.6 | 1168.8 | 1164.4 | 1160.0 | 1164.4 | 1168.8 | 1166.6 |
| 52.5° | 1099.2 | 1100.0 | 1101.7 | 1104.8 | 1109.2 | 1111.2 | 1106.4 | 1101.5 | 1106.4 | 1111.2 | 1109.2 |
| 55° | 1009.7 | 1011.3 | 1013.8 | 1016.9 | 1020.7 | 1022.1 | 1016.4 | 1010.8 | 1016.4 | 1022.1 | 1020.7 |
| 57.5° | 916.9 | 918.7 | 921.7 | 924.9 | 928.1 | 929.2 | 923.7 | 918.2 | 923.7 | 929.2 | 928.1 |
| 60° | 854.9 | 856.4 | 858.9 | 862.1 | 865.8 | 867.4 | 862.4 | 857.4 | 862.4 | 867.4 | 865.8 |
| 62.5° | 791.8 | 793.4 | 795.9 | 799.2 | 803.5 | 805.4 | 800.4 | 795.4 | 800.4 | 805.4 | 803.5 |
| 65° | 697.0 | 698.8 | 701.3 | 704.4 | 708.1 | 709.9 | 705.5 | 701.1 | 705.5 | 709.9 | 708.1 |
| 67.5° | 598.3 | 600.8 | 604.4 | 608.0 | 611.7 | 613.4 | 609.7 | 605.9 | 609.7 | 613.4 | 611.7 |
| 70° | 535.0 | 537.3 | 540.4 | 543.6 | 546.7 | 548.1 | 544.4 | 540.6 | 544.4 | 548.1 | 546.7 |
| 72.5° | 470.8 | 472.7 | 475.4 | 478.5 | 482.1 | 484.0 | 480.8 | 477.5 | 480.8 | 484.0 | 482.1 |
| 75° | 374.3 | 376.8 | 380.0 | 382.5 | 384.3 | 385.3 | 383.4 | 381.5 | 383.4 | 385.3 | 384.3 |
| 77.5° | 278.0 | 280.0 | 282.3 | 284.7 | 287.1 | 288.9 | 288.9 | 288.9 | 288.9 | 288.9 | 287.1 |
| 80° | 219.3 | 221.0 | 222.9 | 224.8 | 226.7 | 228.1 | 228.1 | 228.1 | 228.1 | 228.1 | 226.7 |
| 82.5° | 159.1 | 161.0 | 163.8 | 166.2 | 168.1 | 169.8 | 170.8 | 171.8 | 170.8 | 169.8 | 168.1 |
| 85° | 78.7 | 80.7 | 83.2 | 85.4 | 87.3 | 89.0 | 90.3 | 91.5 | 90.3 | 89.0 | 87.3 |
| 87.5° | 17.9 | 19.5 | 21.5 | 23.3 | 24.8 | 26.2 | 27.2 | 28.2 | 27.2 | 26.2 | 24.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P1427669

CATALOG NUMBER: SQ2W-F-OU-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1999.1 | 1999.1 | 1999.1 | 1999.1 | 1999.1 | 1999.1 | 1999.1 | 1999.1 | 1999.1 | 1999.1 | 1999.1 |
| 2.5° | 1995.5 | 1992.2 | 1994.2 | 1996.0 | 1997.0 | 1998.0 | 1997.0 | 1996.0 | 1994.2 | 1992.2 | 1995.5 |
| 5° | 1990.0 | 1985.7 | 1986.9 | 1989.4 | 1995.7 | 2001.9 | 1995.7 | 1989.4 | 1986.9 | 1985.7 | 1990.0 |
| 7.5° | 1974.9 | 1970.9 | 1972.4 | 1975.1 | 1981.6 | 1988.1 | 1981.6 | 1975.1 | 1972.4 | 1970.9 | 1974.9 |
| 10° | 1960.5 | 1956.7 | 1959.2 | 1962.4 | 1967.4 | 1972.4 | 1967.4 | 1962.4 | 1959.2 | 1956.7 | 1960.5 |
| 12.5° | 1945.3 | 1941.6 | 1943.1 | 1945.6 | 1951.1 | 1956.6 | 1951.1 | 1945.6 | 1943.1 | 1941.6 | 1945.3 |
| 15° | 1914.8 | 1911.4 | 1913.2 | 1915.9 | 1920.9 | 1925.9 | 1920.9 | 1915.9 | 1913.2 | 1911.4 | 1914.8 |
| 17.5° | 1876.8 | 1873.8 | 1875.9 | 1878.6 | 1883.0 | 1887.3 | 1883.0 | 1878.6 | 1875.9 | 1873.8 | 1876.8 |
| 20° | 1849.7 | 1846.0 | 1846.6 | 1848.2 | 1852.5 | 1856.9 | 1852.5 | 1848.2 | 1846.6 | 1846.0 | 1849.7 |
| 22.5° | 1819.1 | 1814.6 | 1813.2 | 1813.5 | 1818.9 | 1824.3 | 1818.9 | 1813.5 | 1813.2 | 1814.6 | 1819.1 |
| 25° | 1767.4 | 1763.1 | 1761.2 | 1760.9 | 1765.3 | 1769.6 | 1765.3 | 1760.9 | 1761.2 | 1763.1 | 1767.4 |
| 27.5° | 1710.0 | 1706.5 | 1705.3 | 1705.1 | 1708.2 | 1711.4 | 1708.2 | 1705.1 | 1705.3 | 1706.5 | 1710.0 |
| 30° | 1668.6 | 1664.8 | 1663.6 | 1663.4 | 1666.6 | 1669.7 | 1666.6 | 1663.4 | 1663.6 | 1664.8 | 1668.6 |
| 32.5° | 1622.9 | 1619.2 | 1618.9 | 1619.6 | 1623.3 | 1626.9 | 1623.3 | 1619.6 | 1618.9 | 1619.2 | 1622.9 |
| 35° | 1553.5 | 1550.3 | 1551.0 | 1552.2 | 1555.3 | 1558.5 | 1555.3 | 1552.2 | 1551.0 | 1550.3 | 1553.5 |
| 37.5° | 1483.1 | 1479.8 | 1479.7 | 1480.3 | 1482.9 | 1485.5 | 1482.9 | 1480.3 | 1479.7 | 1479.8 | 1483.1 |
| 40° | 1433.8 | 1430.0 | 1429.4 | 1429.7 | 1432.9 | 1436.0 | 1432.9 | 1429.7 | 1429.4 | 1430.0 | 1433.8 |
| 42.5° | 1381.5 | 1378.7 | 1379.1 | 1379.8 | 1381.4 | 1383.0 | 1381.4 | 1379.8 | 1379.1 | 1378.7 | 1381.5 |
| 45° | 1302.2 | 1299.4 | 1299.4 | 1299.7 | 1301.0 | 1302.2 | 1301.0 | 1299.7 | 1299.4 | 1299.4 | 1302.2 |
| 47.5° | 1219.7 | 1217.1 | 1216.4 | 1216.3 | 1218.3 | 1220.3 | 1218.3 | 1216.3 | 1216.4 | 1217.1 | 1219.7 |
| 50° | 1162.2 | 1159.4 | 1158.2 | 1157.9 | 1160.4 | 1162.9 | 1160.4 | 1157.9 | 1158.2 | 1159.4 | 1162.2 |
| 52.5° | 1104.8 | 1101.7 | 1100.0 | 1099.2 | 1101.2 | 1103.2 | 1101.2 | 1099.2 | 1100.0 | 1101.7 | 1104.8 |
| 55° | 1016.9 | 1013.8 | 1011.3 | 1009.7 | 1011.0 | 1012.2 | 1011.0 | 1009.7 | 1011.3 | 1013.8 | 1016.9 |
| 57.5° | 924.9 | 921.7 | 918.7 | 916.9 | 918.7 | 920.4 | 918.7 | 916.9 | 918.7 | 921.7 | 924.9 |
| 60° | 862.1 | 858.9 | 856.4 | 854.9 | 856.1 | 857.4 | 856.1 | 854.9 | 856.4 | 858.9 | 862.1 |
| 62.5° | 799.2 | 795.9 | 793.4 | 791.8 | 793.0 | 794.3 | 793.0 | 791.8 | 793.4 | 795.9 | 799.2 |
| 65° | 704.4 | 701.3 | 698.8 | 697.0 | 697.7 | 698.3 | 697.7 | 697.0 | 698.8 | 701.3 | 704.4 |
| 67.5° | 608.0 | 604.4 | 600.8 | 598.3 | 599.3 | 600.3 | 599.3 | 598.3 | 600.8 | 604.4 | 608.0 |
| 70° | 543.6 | 540.4 | 537.3 | 535.0 | 535.0 | 535.0 | 535.0 | 535.0 | 537.3 | 540.4 | 543.6 |
| 72.5° | 478.5 | 475.4 | 472.7 | 470.8 | 470.8 | 470.8 | 470.8 | 470.8 | 472.7 | 475.4 | 478.5 |
| 75° | 382.5 | 380.0 | 376.8 | 374.3 | 373.7 | 373.1 | 373.7 | 374.3 | 376.8 | 380.0 | 382.5 |
| 77.5° | 284.7 | 282.3 | 280.0 | 278.0 | 277.2 | 276.5 | 277.2 | 278.0 | 280.0 | 282.3 | 284.7 |
| 80° | 224.8 | 222.9 | 221.0 | 219.3 | 218.1 | 216.8 | 218.1 | 219.3 | 221.0 | 222.9 | 224.8 |
| 82.5° | 166.2 | 163.8 | 161.0 | 159.1 | 160.4 | 161.6 | 160.4 | 159.1 | 161.0 | 163.8 | 166.2 |
| 85° | 85.4 | 83.2 | 80.7 | 78.7 | 78.1 | 77.4 | 78.1 | 78.7 | 80.7 | 83.2 | 85.4 |
| 87.5° | 23.3 | 21.5 | 19.5 | 17.9 | 17.4 | 16.9 | 17.4 | 17.9 | 19.5 | 21.5 | 23.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P1427669

CATALOG NUMBER: SQ2W-F-0U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|-------|--------|--------|--------|--------|
| 0° | 1999.1 | 1999.1 | 1999.1 | 1999.1 |
| 2.5° | 2004.0 | 2008.0 | 1998.5 | 1989.0 |
| 5° | 2000.0 | 2004.4 | 1991.9 | 1979.4 |
| 7.5° | 1984.4 | 1988.4 | 1975.9 | 1963.4 |
| 10° | 1970.5 | 1974.9 | 1962.4 | 1949.8 |
| 12.5° | 1954.3 | 1958.0 | 1945.5 | 1932.9 |
| 15° | 1923.6 | 1927.0 | 1914.5 | 1902.0 |
| 17.5° | 1884.9 | 1888.0 | 1876.3 | 1864.5 |
| 20° | 1857.9 | 1861.1 | 1849.9 | 1838.6 |
| 22.5° | 1826.7 | 1829.6 | 1818.3 | 1807.1 |
| 25° | 1774.3 | 1776.7 | 1765.4 | 1754.1 |
| 27.5° | 1715.8 | 1717.7 | 1708.3 | 1699.0 |
| 30° | 1674.8 | 1677.2 | 1667.8 | 1658.4 |
| 32.5° | 1630.2 | 1633.4 | 1624.5 | 1615.6 |
| 35° | 1560.3 | 1563.6 | 1556.1 | 1548.6 |
| 37.5° | 1489.5 | 1492.8 | 1487.1 | 1481.3 |
| 40° | 1440.7 | 1444.3 | 1438.0 | 1431.8 |
| 42.5° | 1387.4 | 1390.6 | 1385.8 | 1381.1 |
| 45° | 1307.9 | 1311.0 | 1306.6 | 1302.2 |
| 47.5° | 1224.1 | 1226.5 | 1223.1 | 1219.7 |
| 50° | 1166.6 | 1168.8 | 1164.4 | 1160.0 |
| 52.5° | 1109.2 | 1111.2 | 1106.4 | 1101.5 |
| 55° | 1020.7 | 1022.1 | 1016.4 | 1010.8 |
| 57.5° | 928.1 | 929.2 | 923.7 | 918.2 |
| 60° | 865.8 | 867.4 | 862.4 | 857.4 |
| 62.5° | 803.5 | 805.4 | 800.4 | 795.4 |
| 65° | 708.1 | 709.9 | 705.5 | 701.1 |
| 67.5° | 611.7 | 613.4 | 609.7 | 605.9 |
| 70° | 546.7 | 548.1 | 544.4 | 540.6 |
| 72.5° | 482.1 | 484.0 | 480.8 | 477.5 |
| 75° | 384.3 | 385.3 | 383.4 | 381.5 |
| 77.5° | 287.1 | 288.9 | 288.9 | 288.9 |
| 80° | 226.7 | 228.1 | 228.1 | 228.1 |
| 82.5° | 168.1 | 169.8 | 170.8 | 171.8 |
| 85° | 87.3 | 89.0 | 90.3 | 91.5 |
| 87.5° | 24.8 | 26.2 | 27.2 | 28.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P1427669
 CATALOG NUMBER: SQ2W-F-0U-125D-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 | 23.73 | 25.38 | 24.10 | 25.69 | 26.00 | 23.65 | 25.29 | 24.01 | 25.61 | 25.92 |
| | 3H | 25.58 | 27.06 | 25.95 | 27.39 | 27.75 | 25.47 | 26.96 | 25.85 | 27.29 | 27.65 |
| | 4H | 26.30 | 27.70 | 26.70 | 28.05 | 28.43 | 26.19 | 27.59 | 26.59 | 27.94 | 28.31 |
| | 6H | 26.78 | 28.08 | 27.19 | 28.44 | 28.83 | 26.64 | 27.94 | 27.05 | 28.30 | 28.69 |
| | 8H | 26.96 | 28.20 | 27.39 | 28.59 | 28.99 | 26.81 | 28.05 | 27.23 | 28.44 | 28.83 |
| | 12H | 27.07 | 28.26 | 27.50 | 28.64 | 29.07 | 26.89 | 28.08 | 27.32 | 28.46 | 28.89 |
| 4H | 2H | 24.40 | 25.80 | 24.80 | 26.15 | 26.52 | 24.33 | 25.73 | 24.73 | 26.08 | 26.46 |
| | 3H | 26.49 | 27.66 | 26.90 | 28.06 | 28.46 | 26.39 | 27.57 | 26.80 | 27.97 | 28.37 |
| | 4H | 27.33 | 28.40 | 27.76 | 28.81 | 29.24 | 27.22 | 28.28 | 27.65 | 28.70 | 29.13 |
| | 6H | 27.93 | 28.86 | 28.38 | 29.30 | 29.75 | 27.79 | 28.72 | 28.24 | 29.16 | 29.61 |
| | 8H | 28.16 | 29.03 | 28.62 | 29.47 | 29.94 | 28.00 | 28.87 | 28.46 | 29.31 | 29.78 |
| | 12H | 28.31 | 29.10 | 28.79 | 29.57 | 30.04 | 28.13 | 28.91 | 28.61 | 29.38 | 29.85 |
| 8H | 4H | 27.64 | 28.51 | 28.10 | 28.95 | 29.42 | 27.54 | 28.41 | 28.00 | 28.85 | 29.32 |
| | 6H | 28.36 | 29.09 | 28.85 | 29.57 | 30.05 | 28.23 | 28.95 | 28.72 | 29.44 | 29.92 |
| | 8H | 28.67 | 29.32 | 29.18 | 29.83 | 30.32 | 28.52 | 29.17 | 29.03 | 29.67 | 30.16 |
| | 12H | 28.89 | 29.47 | 29.40 | 29.96 | 30.52 | 28.70 | 29.28 | 29.21 | 29.77 | 30.33 |
| 12H | 4H | 27.67 | 28.45 | 28.15 | 28.93 | 29.40 | 27.58 | 28.36 | 28.06 | 28.83 | 29.30 |
| | 6H | 28.42 | 29.07 | 28.93 | 29.57 | 30.06 | 28.29 | 28.94 | 28.80 | 29.45 | 29.93 |
| | 8H | 28.79 | 29.37 | 29.30 | 29.86 | 30.42 | 28.64 | 29.21 | 29.15 | 29.70 | 30.26 |