

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: P1435897

Luminaire Tested: SQ2W-FB-0U-100D-L840-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435897
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-131-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FB-0U-100D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT N/A - DIRECT ONLY
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

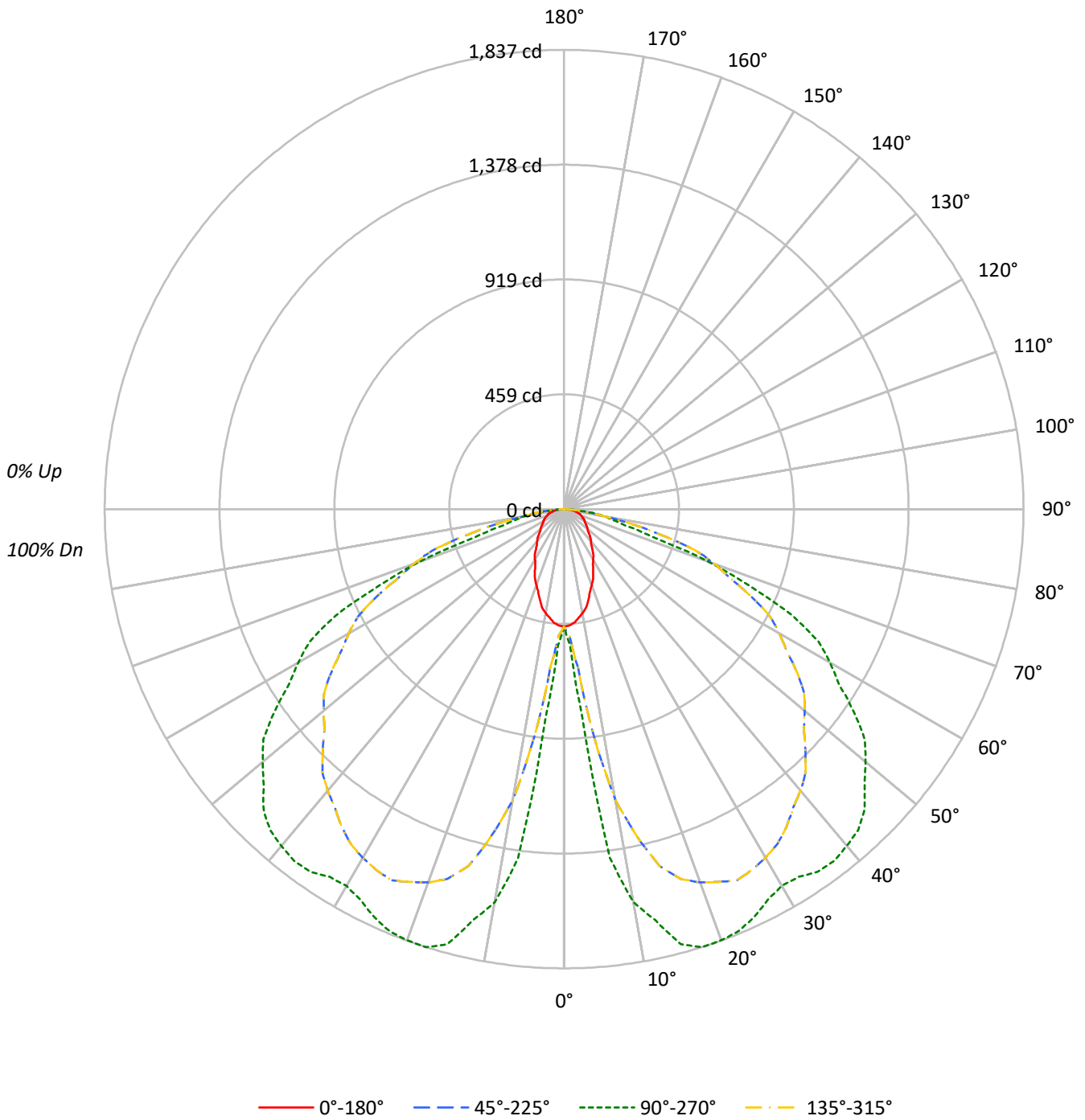
Lumens per Lamp: N/A
Luminaire Lumens: 4643.5 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 37.6
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: P1435897

CATALOG NUMBER: SQ2W-FB-0U-100D-L840-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1435897

CATALOG NUMBER: SQ2W-FB-0U-100D-L840-UNV-STD-W-WM-4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 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 | 98 | 90 | 83 | 77 | 96 | 88 | 82 | 76 | 84 | 79 | 74 | 81 | 77 | 73 | 78 | 74 | 71 | 69 |
| 3 | 89 | 78 | 70 | 63 | 87 | 77 | 69 | 63 | 74 | 67 | 61 | 71 | 65 | 60 | 68 | 63 | 59 | 57 |
| 4 | 81 | 69 | 60 | 53 | 79 | 67 | 59 | 52 | 65 | 58 | 52 | 63 | 56 | 51 | 60 | 55 | 50 | 48 |
| 5 | 74 | 61 | 52 | 45 | 72 | 60 | 51 | 45 | 58 | 50 | 44 | 56 | 49 | 44 | 54 | 48 | 43 | 41 |
| 6 | 68 | 54 | 45 | 39 | 66 | 53 | 45 | 38 | 52 | 44 | 38 | 50 | 43 | 38 | 48 | 42 | 37 | 35 |
| 7 | 63 | 49 | 40 | 34 | 61 | 48 | 40 | 33 | 47 | 39 | 33 | 45 | 38 | 33 | 44 | 37 | 33 | 31 |
| 8 | 58 | 44 | 36 | 30 | 57 | 44 | 35 | 29 | 42 | 35 | 29 | 41 | 34 | 29 | 40 | 34 | 29 | 27 |
| 9 | 54 | 40 | 32 | 26 | 53 | 40 | 32 | 26 | 39 | 31 | 26 | 38 | 31 | 26 | 37 | 30 | 26 | 24 |
| 10 | 51 | 37 | 29 | 23 | 49 | 37 | 29 | 23 | 36 | 28 | 23 | 35 | 28 | 23 | 34 | 28 | 23 | 21 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|------|-------|------|-------|
| 0° | 7592 | 7592 | 7592 | 7592 |
| 5° | 7400 | 13446 | 7400 | 13446 |
| 10° | 6930 | 26163 | 6930 | 26163 |
| 15° | 6272 | 30112 | 6272 | 30112 |
| 20° | 5553 | 31535 | 5553 | 31535 |
| 25° | 4913 | 32054 | 4913 | 32054 |
| 30° | 4340 | 32449 | 4340 | 32449 |
| 35° | 3877 | 34885 | 3877 | 34885 |
| 40° | 3526 | 37065 | 3526 | 37065 |
| 45° | 3251 | 38812 | 3251 | 38812 |
| 50° | 3067 | 39516 | 3067 | 39516 |
| 55° | 2989 | 39831 | 2989 | 39831 |
| 60° | 3064 | 39634 | 3064 | 39634 |
| 65° | 3194 | 38513 | 3194 | 38513 |
| 70° | 3309 | 29131 | 3309 | 29131 |
| 75° | 3668 | 16076 | 3668 | 16076 |
| 80° | 3784 | 14923 | 3784 | 14923 |
| 85° | 3761 | 6280 | 3761 | 6280 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 40191 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 78.8 | 1.7 |
| 10°-20° | 359.4 | 7.7 |
| 20°-30° | 632.5 | 13.6 |
| 30°-40° | 818.7 | 17.6 |
| 40°-50° | 902.9 | 19.4 |
| 50°-60° | 842.7 | 18.1 |
| 60°-70° | 651.1 | 14.0 |
| 70°-80° | 300.1 | 6.5 |
| 80°-90° | 57.4 | 1.2 |
| 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° | 1070.6 | 23.1 |
| 0°-40° | 1889.4 | 40.7 |
| 0°-60° | 3635.0 | 78.3 |
| 0°-90° | 4643.5 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4643.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|-----|------|------|------|------|------|
| 0° | 470 | 470 | 470 | 470 | 470 | |
| 5° | 457 | 830 | 457 | 830 | 457 | 42 |
| 15° | 375 | 1802 | 375 | 1802 | 375 | 105 |
| 25° | 276 | 1799 | 276 | 1799 | 276 | 127 |
| 35° | 197 | 1770 | 197 | 1770 | 197 | 124 |
| 45° | 142 | 1700 | 142 | 1700 | 142 | 110 |
| 55° | 106 | 1415 | 106 | 1415 | 106 | 96 |
| 65° | 84 | 1008 | 84 | 1008 | 84 | 82 |
| 75° | 59 | 258 | 59 | 258 | 59 | 60 |
| 85° | 20 | 34 | 20 | 34 | 20 | 22 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1435897

CATALOG NUMBER: SQ2W-FB-OU-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 470.2 | 470.2 | 470.2 | 470.2 | 470.2 | 470.2 | 470.2 | 470.2 | 470.2 | 470.2 | 470.2 |
| 2.5° | 466.5 | 475.4 | 484.2 | 493.7 | 503.3 | 513.8 | 525.0 | 534.7 | 539.5 | 544.3 | 539.5 |
| 5° | 456.6 | 486.7 | 516.9 | 560.6 | 608.8 | 663.5 | 724.8 | 777.3 | 803.4 | 829.6 | 803.4 |
| 7.5° | 439.0 | 500.2 | 561.5 | 691.4 | 844.1 | 1002.6 | 1167.0 | 1303.3 | 1355.5 | 1407.8 | 1355.5 |
| 10° | 422.7 | 508.1 | 593.5 | 813.7 | 1079.0 | 1282.9 | 1425.5 | 1539.6 | 1567.7 | 1595.8 | 1567.7 |
| 12.5° | 404.6 | 520.5 | 636.5 | 908.4 | 1232.3 | 1444.2 | 1544.3 | 1626.6 | 1655.5 | 1684.4 | 1655.5 |
| 15° | 375.2 | 541.0 | 706.7 | 1014.2 | 1368.8 | 1586.8 | 1668.2 | 1737.2 | 1769.4 | 1801.5 | 1769.4 |
| 17.5° | 344.9 | 565.5 | 786.2 | 1099.7 | 1444.3 | 1656.9 | 1737.5 | 1802.3 | 1819.7 | 1837.2 | 1819.7 |
| 20° | 323.2 | 582.4 | 841.6 | 1155.8 | 1488.3 | 1689.3 | 1758.6 | 1813.3 | 1824.4 | 1835.4 | 1824.4 |
| 22.5° | 303.3 | 593.1 | 882.8 | 1197.4 | 1520.3 | 1707.9 | 1760.4 | 1802.7 | 1814.5 | 1826.4 | 1814.5 |
| 25° | 275.8 | 602.3 | 928.8 | 1242.5 | 1551.9 | 1723.2 | 1756.3 | 1783.2 | 1791.2 | 1799.3 | 1791.2 |
| 27.5° | 249.1 | 594.1 | 939.1 | 1248.8 | 1546.7 | 1706.6 | 1728.3 | 1746.5 | 1754.3 | 1762.2 | 1754.3 |
| 30° | 232.8 | 583.4 | 934.0 | 1240.9 | 1533.3 | 1687.5 | 1703.6 | 1718.4 | 1729.4 | 1740.5 | 1729.4 |
| 32.5° | 218.4 | 570.6 | 922.8 | 1225.9 | 1512.6 | 1663.6 | 1678.9 | 1696.3 | 1720.2 | 1744.1 | 1720.2 |
| 35° | 196.7 | 543.2 | 889.8 | 1189.7 | 1474.0 | 1628.2 | 1652.3 | 1681.5 | 1725.7 | 1769.9 | 1725.7 |
| 37.5° | 178.1 | 508.2 | 838.3 | 1135.2 | 1420.9 | 1588.9 | 1639.4 | 1687.8 | 1730.4 | 1773.0 | 1730.4 |
| 40° | 167.3 | 483.7 | 800.2 | 1094.8 | 1382.1 | 1559.4 | 1626.7 | 1686.2 | 1722.4 | 1758.6 | 1722.4 |
| 42.5° | 156.4 | 456.0 | 755.6 | 1047.8 | 1337.5 | 1521.6 | 1600.2 | 1668.2 | 1704.3 | 1740.5 | 1704.3 |
| 45° | 142.4 | 411.6 | 680.9 | 970.5 | 1266.8 | 1461.2 | 1553.6 | 1631.5 | 1665.6 | 1699.8 | 1665.6 |
| 47.5° | 129.3 | 363.2 | 597.0 | 887.9 | 1197.7 | 1401.6 | 1499.7 | 1579.4 | 1604.4 | 1629.3 | 1604.4 |
| 50° | 122.1 | 331.0 | 540.0 | 831.8 | 1151.3 | 1359.2 | 1455.7 | 1533.0 | 1553.1 | 1573.2 | 1553.1 |
| 52.5° | 114.8 | 299.7 | 484.5 | 777.0 | 1105.3 | 1314.8 | 1405.6 | 1478.4 | 1496.9 | 1515.4 | 1496.9 |
| 55° | 106.2 | 256.9 | 407.6 | 696.9 | 1032.5 | 1239.9 | 1319.3 | 1382.8 | 1398.9 | 1415.0 | 1398.9 |
| 57.5° | 98.6 | 220.1 | 341.7 | 621.9 | 955.0 | 1155.5 | 1223.2 | 1277.2 | 1290.3 | 1303.3 | 1290.3 |
| 60° | 94.9 | 200.4 | 305.9 | 574.9 | 898.4 | 1090.8 | 1152.0 | 1201.3 | 1214.3 | 1227.4 | 1214.3 |
| 62.5° | 89.5 | 181.3 | 273.2 | 527.9 | 836.9 | 1019.6 | 1076.1 | 1121.5 | 1133.8 | 1146.0 | 1133.8 |
| 65° | 83.6 | 158.0 | 232.3 | 461.9 | 743.2 | 907.4 | 954.6 | 992.1 | 1000.1 | 1008.1 | 1000.1 |
| 67.5° | 75.5 | 138.6 | 201.7 | 401.4 | 646.8 | 784.1 | 813.4 | 831.7 | 816.6 | 801.5 | 816.6 |
| 70° | 70.1 | 128.3 | 186.6 | 364.7 | 582.7 | 696.7 | 706.7 | 703.5 | 660.3 | 617.1 | 660.3 |
| 72.5° | 66.5 | 118.3 | 170.1 | 324.3 | 512.6 | 595.6 | 573.5 | 536.5 | 454.7 | 373.0 | 454.7 |
| 75° | 58.8 | 101.0 | 143.2 | 259.2 | 399.8 | 421.9 | 325.5 | 253.7 | 255.7 | 257.7 | 255.7 |
| 77.5° | 47.9 | 79.5 | 111.0 | 182.3 | 266.9 | 283.7 | 232.7 | 194.8 | 196.7 | 198.5 | 196.7 |
| 80° | 40.7 | 65.8 | 90.9 | 119.0 | 148.2 | 161.7 | 159.7 | 158.5 | 159.5 | 160.5 | 159.5 |
| 82.5° | 33.5 | 52.1 | 70.8 | 87.7 | 104.0 | 113.1 | 115.1 | 116.3 | 114.9 | 113.5 | 114.9 |
| 85° | 20.3 | 31.4 | 42.4 | 49.0 | 54.0 | 52.5 | 44.5 | 37.9 | 35.9 | 33.9 | 35.9 |
| 87.5° | 7.2 | 11.3 | 15.3 | 13.9 | 10.6 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 |
| 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: P1435897

CATALOG NUMBER: SQ2W-FB-OU-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|-------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|--------|
| 0° | 470.2 | 470.2 | 470.2 | 470.2 | 470.2 | 470.2 | 470.2 | 470.2 | 470.2 | 470.2 | 470.2 |
| 2.5° | 534.7 | 525.0 | 513.8 | 503.3 | 493.7 | 484.2 | 475.4 | 466.5 | 475.4 | 484.2 | 493.7 |
| 5° | 777.3 | 724.8 | 663.5 | 608.8 | 560.6 | 516.9 | 486.7 | 456.6 | 486.7 | 516.9 | 560.6 |
| 7.5° | 1303.3 | 1167.0 | 1002.6 | 844.1 | 691.4 | 561.5 | 500.2 | 439.0 | 500.2 | 561.5 | 691.4 |
| 10° | 1539.6 | 1425.5 | 1282.9 | 1079.0 | 813.7 | 593.5 | 508.1 | 422.7 | 508.1 | 593.5 | 813.7 |
| 12.5° | 1626.6 | 1544.3 | 1444.2 | 1232.3 | 908.4 | 636.5 | 520.5 | 404.6 | 520.5 | 636.5 | 908.4 |
| 15° | 1737.2 | 1668.2 | 1586.8 | 1368.8 | 1014.2 | 706.7 | 541.0 | 375.2 | 541.0 | 706.7 | 1014.2 |
| 17.5° | 1802.3 | 1737.5 | 1656.9 | 1444.3 | 1099.7 | 786.2 | 565.5 | 344.9 | 565.5 | 786.2 | 1099.7 |
| 20° | 1813.3 | 1758.6 | 1689.3 | 1488.3 | 1155.8 | 841.6 | 582.4 | 323.2 | 582.4 | 841.6 | 1155.8 |
| 22.5° | 1802.7 | 1760.4 | 1707.9 | 1520.3 | 1197.4 | 882.8 | 593.1 | 303.3 | 593.1 | 882.8 | 1197.4 |
| 25° | 1783.2 | 1756.3 | 1723.2 | 1551.9 | 1242.5 | 928.8 | 602.3 | 275.8 | 602.3 | 928.8 | 1242.5 |
| 27.5° | 1746.5 | 1728.3 | 1706.6 | 1546.7 | 1248.8 | 939.1 | 594.1 | 249.1 | 594.1 | 939.1 | 1248.8 |
| 30° | 1718.4 | 1703.6 | 1687.5 | 1533.3 | 1240.9 | 934.0 | 583.4 | 232.8 | 583.4 | 934.0 | 1240.9 |
| 32.5° | 1696.3 | 1678.9 | 1663.6 | 1512.6 | 1225.9 | 922.8 | 570.6 | 218.4 | 570.6 | 922.8 | 1225.9 |
| 35° | 1681.5 | 1652.3 | 1628.2 | 1474.0 | 1189.7 | 889.8 | 543.2 | 196.7 | 543.2 | 889.8 | 1189.7 |
| 37.5° | 1687.8 | 1639.4 | 1588.9 | 1420.9 | 1135.2 | 838.3 | 508.2 | 178.1 | 508.2 | 838.3 | 1135.2 |
| 40° | 1686.2 | 1626.7 | 1559.4 | 1382.1 | 1094.8 | 800.2 | 483.7 | 167.3 | 483.7 | 800.2 | 1094.8 |
| 42.5° | 1668.2 | 1600.2 | 1521.6 | 1337.5 | 1047.8 | 755.6 | 456.0 | 156.4 | 456.0 | 755.6 | 1047.8 |
| 45° | 1631.5 | 1553.6 | 1461.2 | 1266.8 | 970.5 | 680.9 | 411.6 | 142.4 | 411.6 | 680.9 | 970.5 |
| 47.5° | 1579.4 | 1499.7 | 1401.6 | 1197.7 | 887.9 | 597.0 | 363.2 | 129.3 | 363.2 | 597.0 | 887.9 |
| 50° | 1533.0 | 1455.7 | 1359.2 | 1151.3 | 831.8 | 540.0 | 331.0 | 122.1 | 331.0 | 540.0 | 831.8 |
| 52.5° | 1478.4 | 1405.6 | 1314.8 | 1105.3 | 777.0 | 484.5 | 299.7 | 114.8 | 299.7 | 484.5 | 777.0 |
| 55° | 1382.8 | 1319.3 | 1239.9 | 1032.5 | 696.9 | 407.6 | 256.9 | 106.2 | 256.9 | 407.6 | 696.9 |
| 57.5° | 1277.2 | 1223.2 | 1155.5 | 955.0 | 621.9 | 341.7 | 220.1 | 98.6 | 220.1 | 341.7 | 621.9 |
| 60° | 1201.3 | 1152.0 | 1090.8 | 898.4 | 574.9 | 305.9 | 200.4 | 94.9 | 200.4 | 305.9 | 574.9 |
| 62.5° | 1121.5 | 1076.1 | 1019.6 | 836.9 | 527.9 | 273.2 | 181.3 | 89.5 | 181.3 | 273.2 | 527.9 |
| 65° | 992.1 | 954.6 | 907.4 | 743.2 | 461.9 | 232.3 | 158.0 | 83.6 | 158.0 | 232.3 | 461.9 |
| 67.5° | 831.7 | 813.4 | 784.1 | 646.8 | 401.4 | 201.7 | 138.6 | 75.5 | 138.6 | 201.7 | 401.4 |
| 70° | 703.5 | 706.7 | 696.7 | 582.7 | 364.7 | 186.6 | 128.3 | 70.1 | 128.3 | 186.6 | 364.7 |
| 72.5° | 536.5 | 573.5 | 595.6 | 512.6 | 324.3 | 170.1 | 118.3 | 66.5 | 118.3 | 170.1 | 324.3 |
| 75° | 253.7 | 325.5 | 421.9 | 399.8 | 259.2 | 143.2 | 101.0 | 58.8 | 101.0 | 143.2 | 259.2 |
| 77.5° | 194.8 | 232.7 | 283.7 | 266.9 | 182.3 | 111.0 | 79.5 | 47.9 | 79.5 | 111.0 | 182.3 |
| 80° | 158.5 | 159.7 | 161.7 | 148.2 | 119.0 | 90.9 | 65.8 | 40.7 | 65.8 | 90.9 | 119.0 |
| 82.5° | 116.3 | 115.1 | 113.1 | 104.0 | 87.7 | 70.8 | 52.1 | 33.5 | 52.1 | 70.8 | 87.7 |
| 85° | 37.9 | 44.5 | 52.5 | 54.0 | 49.0 | 42.4 | 31.4 | 20.3 | 31.4 | 42.4 | 49.0 |
| 87.5° | 9.0 | 9.0 | 9.0 | 10.6 | 13.9 | 15.3 | 11.3 | 7.2 | 11.3 | 15.3 | 13.9 |
| 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: P1435897

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CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 470.2 | 470.2 | 470.2 | 470.2 | 470.2 | 470.2 | 470.2 | 470.2 | 470.2 | 470.2 | 470.2 |
| 2.5° | 503.3 | 513.8 | 525.0 | 534.7 | 539.5 | 544.3 | 539.5 | 534.7 | 525.0 | 513.8 | 503.3 |
| 5° | 608.8 | 663.5 | 724.8 | 777.3 | 803.4 | 829.6 | 803.4 | 777.3 | 724.8 | 663.5 | 608.8 |
| 7.5° | 844.1 | 1002.6 | 1167.0 | 1303.3 | 1355.5 | 1407.8 | 1355.5 | 1303.3 | 1167.0 | 1002.6 | 844.1 |
| 10° | 1079.0 | 1282.9 | 1425.5 | 1539.6 | 1567.7 | 1595.8 | 1567.7 | 1539.6 | 1425.5 | 1282.9 | 1079.0 |
| 12.5° | 1232.3 | 1444.2 | 1544.3 | 1626.6 | 1655.5 | 1684.4 | 1655.5 | 1626.6 | 1544.3 | 1444.2 | 1232.3 |
| 15° | 1368.8 | 1586.8 | 1668.2 | 1737.2 | 1769.4 | 1801.5 | 1769.4 | 1737.2 | 1668.2 | 1586.8 | 1368.8 |
| 17.5° | 1444.3 | 1656.9 | 1737.5 | 1802.3 | 1819.7 | 1837.2 | 1819.7 | 1802.3 | 1737.5 | 1656.9 | 1444.3 |
| 20° | 1488.3 | 1689.3 | 1758.6 | 1813.3 | 1824.4 | 1835.4 | 1824.4 | 1813.3 | 1758.6 | 1689.3 | 1488.3 |
| 22.5° | 1520.3 | 1707.9 | 1760.4 | 1802.7 | 1814.5 | 1826.4 | 1814.5 | 1802.7 | 1760.4 | 1707.9 | 1520.3 |
| 25° | 1551.9 | 1723.2 | 1756.3 | 1783.2 | 1791.2 | 1799.3 | 1791.2 | 1783.2 | 1756.3 | 1723.2 | 1551.9 |
| 27.5° | 1546.7 | 1706.6 | 1728.3 | 1746.5 | 1754.3 | 1762.2 | 1754.3 | 1746.5 | 1728.3 | 1706.6 | 1546.7 |
| 30° | 1533.3 | 1687.5 | 1703.6 | 1718.4 | 1729.4 | 1740.5 | 1729.4 | 1718.4 | 1703.6 | 1687.5 | 1533.3 |
| 32.5° | 1512.6 | 1663.6 | 1678.9 | 1696.3 | 1720.2 | 1744.1 | 1720.2 | 1696.3 | 1678.9 | 1663.6 | 1512.6 |
| 35° | 1474.0 | 1628.2 | 1652.3 | 1681.5 | 1725.7 | 1769.9 | 1725.7 | 1681.5 | 1652.3 | 1628.2 | 1474.0 |
| 37.5° | 1420.9 | 1588.9 | 1639.4 | 1687.8 | 1730.4 | 1773.0 | 1730.4 | 1687.8 | 1639.4 | 1588.9 | 1420.9 |
| 40° | 1382.1 | 1559.4 | 1626.7 | 1686.2 | 1722.4 | 1758.6 | 1722.4 | 1686.2 | 1626.7 | 1559.4 | 1382.1 |
| 42.5° | 1337.5 | 1521.6 | 1600.2 | 1668.2 | 1704.3 | 1740.5 | 1704.3 | 1668.2 | 1600.2 | 1521.6 | 1337.5 |
| 45° | 1266.8 | 1461.2 | 1553.6 | 1631.5 | 1665.6 | 1699.8 | 1665.6 | 1631.5 | 1553.6 | 1461.2 | 1266.8 |
| 47.5° | 1197.7 | 1401.6 | 1499.7 | 1579.4 | 1604.4 | 1629.3 | 1604.4 | 1579.4 | 1499.7 | 1401.6 | 1197.7 |
| 50° | 1151.3 | 1359.2 | 1455.7 | 1533.0 | 1553.1 | 1573.2 | 1553.1 | 1533.0 | 1455.7 | 1359.2 | 1151.3 |
| 52.5° | 1105.3 | 1314.8 | 1405.6 | 1478.4 | 1496.9 | 1515.4 | 1496.9 | 1478.4 | 1405.6 | 1314.8 | 1105.3 |
| 55° | 1032.5 | 1239.9 | 1319.3 | 1382.8 | 1398.9 | 1415.0 | 1398.9 | 1382.8 | 1319.3 | 1239.9 | 1032.5 |
| 57.5° | 955.0 | 1155.5 | 1223.2 | 1277.2 | 1290.3 | 1303.3 | 1290.3 | 1277.2 | 1223.2 | 1155.5 | 955.0 |
| 60° | 898.4 | 1090.8 | 1152.0 | 1201.3 | 1214.3 | 1227.4 | 1214.3 | 1201.3 | 1152.0 | 1090.8 | 898.4 |
| 62.5° | 836.9 | 1019.6 | 1076.1 | 1121.5 | 1133.8 | 1146.0 | 1133.8 | 1121.5 | 1076.1 | 1019.6 | 836.9 |
| 65° | 743.2 | 907.4 | 954.6 | 992.1 | 1000.1 | 1008.1 | 1000.1 | 992.1 | 954.6 | 907.4 | 743.2 |
| 67.5° | 646.8 | 784.1 | 813.4 | 831.7 | 816.6 | 801.5 | 816.6 | 831.7 | 813.4 | 784.1 | 646.8 |
| 70° | 582.7 | 696.7 | 706.7 | 703.5 | 660.3 | 617.1 | 660.3 | 703.5 | 706.7 | 696.7 | 582.7 |
| 72.5° | 512.6 | 595.6 | 573.5 | 536.5 | 454.7 | 373.0 | 454.7 | 536.5 | 573.5 | 595.6 | 512.6 |
| 75° | 399.8 | 421.9 | 325.5 | 253.7 | 255.7 | 257.7 | 255.7 | 253.7 | 325.5 | 421.9 | 399.8 |
| 77.5° | 266.9 | 283.7 | 232.7 | 194.8 | 196.7 | 198.5 | 196.7 | 194.8 | 232.7 | 283.7 | 266.9 |
| 80° | 148.2 | 161.7 | 159.7 | 158.5 | 159.5 | 160.5 | 159.5 | 158.5 | 159.7 | 161.7 | 148.2 |
| 82.5° | 104.0 | 113.1 | 115.1 | 116.3 | 114.9 | 113.5 | 114.9 | 116.3 | 115.1 | 113.1 | 104.0 |
| 85° | 54.0 | 52.5 | 44.5 | 37.9 | 35.9 | 33.9 | 35.9 | 37.9 | 44.5 | 52.5 | 54.0 |
| 87.5° | 10.6 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 10.6 |
| 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: P1435897

CATALOG NUMBER: SQ2W-FB-0U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|-------|--------|-------|-------|-------|
| 0° | 470.2 | 470.2 | 470.2 | 470.2 |
| 2.5° | 493.7 | 484.2 | 475.4 | 466.5 |
| 5° | 560.6 | 516.9 | 486.7 | 456.6 |
| 7.5° | 691.4 | 561.5 | 500.2 | 439.0 |
| 10° | 813.7 | 593.5 | 508.1 | 422.7 |
| 12.5° | 908.4 | 636.5 | 520.5 | 404.6 |
| 15° | 1014.2 | 706.7 | 541.0 | 375.2 |
| 17.5° | 1099.7 | 786.2 | 565.5 | 344.9 |
| 20° | 1155.8 | 841.6 | 582.4 | 323.2 |
| 22.5° | 1197.4 | 882.8 | 593.1 | 303.3 |
| 25° | 1242.5 | 928.8 | 602.3 | 275.8 |
| 27.5° | 1248.8 | 939.1 | 594.1 | 249.1 |
| 30° | 1240.9 | 934.0 | 583.4 | 232.8 |
| 32.5° | 1225.9 | 922.8 | 570.6 | 218.4 |
| 35° | 1189.7 | 889.8 | 543.2 | 196.7 |
| 37.5° | 1135.2 | 838.3 | 508.2 | 178.1 |
| 40° | 1094.8 | 800.2 | 483.7 | 167.3 |
| 42.5° | 1047.8 | 755.6 | 456.0 | 156.4 |
| 45° | 970.5 | 680.9 | 411.6 | 142.4 |
| 47.5° | 887.9 | 597.0 | 363.2 | 129.3 |
| 50° | 831.8 | 540.0 | 331.0 | 122.1 |
| 52.5° | 777.0 | 484.5 | 299.7 | 114.8 |
| 55° | 696.9 | 407.6 | 256.9 | 106.2 |
| 57.5° | 621.9 | 341.7 | 220.1 | 98.6 |
| 60° | 574.9 | 305.9 | 200.4 | 94.9 |
| 62.5° | 527.9 | 273.2 | 181.3 | 89.5 |
| 65° | 461.9 | 232.3 | 158.0 | 83.6 |
| 67.5° | 401.4 | 201.7 | 138.6 | 75.5 |
| 70° | 364.7 | 186.6 | 128.3 | 70.1 |
| 72.5° | 324.3 | 170.1 | 118.3 | 66.5 |
| 75° | 259.2 | 143.2 | 101.0 | 58.8 |
| 77.5° | 182.3 | 111.0 | 79.5 | 47.9 |
| 80° | 119.0 | 90.9 | 65.8 | 40.7 |
| 82.5° | 87.7 | 70.8 | 52.1 | 33.5 |
| 85° | 49.0 | 42.4 | 31.4 | 20.3 |
| 87.5° | 13.9 | 15.3 | 11.3 | 7.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P1435897
 CATALOG NUMBER: SQ2W-FB-0U-100D-L840-UNV-STD-W-WM-4

CIE UGR TABLE:

| Reflectances: | | | | | | | | | | | |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling | | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Wall | | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| Reference plane | | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| X=2H | Y=2H | 16.98 | 18.67 | 17.35 | 18.98 | 19.29 | 26.58 | 28.26 | 26.94 | 28.58 | 28.89 |
| | 3H | 17.98 | 19.50 | 18.35 | 19.83 | 20.19 | 28.24 | 29.77 | 28.62 | 30.09 | 30.45 |
| | 4H | 18.41 | 19.85 | 18.81 | 20.20 | 20.57 | 28.46 | 29.89 | 28.85 | 30.24 | 30.61 |
| | 6H | 18.71 | 20.04 | 19.12 | 20.40 | 20.79 | 28.57 | 29.90 | 28.98 | 30.27 | 30.66 |
| | 8H | 18.83 | 20.10 | 19.25 | 20.48 | 20.88 | 28.61 | 29.89 | 29.04 | 30.27 | 30.67 |
| | 12H | 18.90 | 20.12 | 19.33 | 20.50 | 20.93 | 28.62 | 29.84 | 29.05 | 30.22 | 30.65 |
| 4H | 2H | 21.80 | 23.23 | 22.19 | 23.58 | 23.95 | 27.04 | 28.47 | 27.44 | 28.82 | 29.20 |
| | 3H | 23.00 | 24.20 | 23.41 | 24.60 | 25.00 | 29.00 | 30.20 | 29.41 | 30.60 | 31.00 |
| | 4H | 23.32 | 24.40 | 23.75 | 24.81 | 25.25 | 29.26 | 30.34 | 29.69 | 30.76 | 31.19 |
| | 6H | 23.50 | 24.45 | 23.95 | 24.89 | 25.34 | 29.44 | 30.39 | 29.89 | 30.82 | 31.28 |
| | 8H | 23.56 | 24.45 | 24.02 | 24.89 | 25.35 | 29.50 | 30.39 | 29.96 | 30.83 | 31.30 |
| | 12H | 23.60 | 24.40 | 24.08 | 24.87 | 25.34 | 29.53 | 30.32 | 30.01 | 30.80 | 31.26 |
| 8H | 4H | 24.58 | 25.46 | 25.04 | 25.91 | 26.37 | 29.42 | 30.30 | 29.88 | 30.75 | 31.21 |
| | 6H | 24.88 | 25.61 | 25.37 | 26.10 | 26.57 | 29.65 | 30.39 | 30.15 | 30.87 | 31.35 |
| | 8H | 24.98 | 25.64 | 25.49 | 26.15 | 26.63 | 29.76 | 30.41 | 30.26 | 30.92 | 31.40 |
| | 12H | 25.07 | 25.64 | 25.57 | 26.13 | 26.69 | 29.80 | 30.38 | 30.31 | 30.87 | 31.43 |
| 12H | 4H | 24.64 | 25.44 | 25.12 | 25.91 | 26.38 | 29.41 | 30.21 | 29.89 | 30.68 | 31.15 |
| | 6H | 24.99 | 25.65 | 25.50 | 26.16 | 26.64 | 29.65 | 30.30 | 30.16 | 30.81 | 31.29 |
| | 8H | 25.17 | 25.75 | 25.68 | 26.24 | 26.80 | 29.79 | 30.37 | 30.29 | 30.86 | 31.42 |