

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: P1427827

Luminaire Tested: SQ2W-PH1-0U-075D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427827
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PH1-0U-075D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE HEX LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT N/A - DIRECT ONLY
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

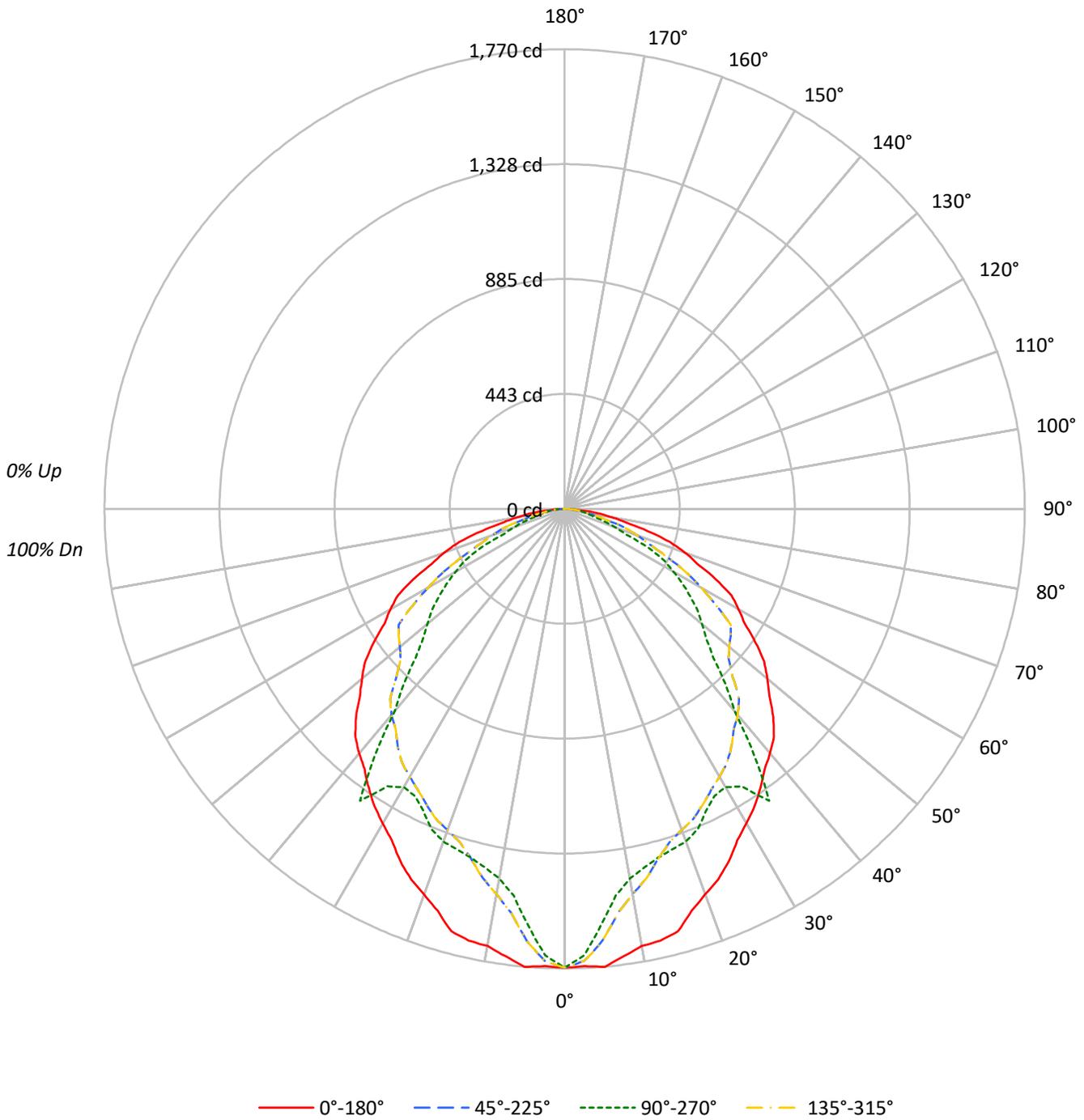
Lumens per Lamp: N/A
Luminaire Lumens: 3906.8 lumens
Efficiency: N/A
Efficacy: 146.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 26.7
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: P1427827

CATALOG NUMBER: SQ2W-PH1-0U-075D-L840-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427827

CATALOG NUMBER: SQ2W-PH1-0U-075D-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 | 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 | 105 | 101 | 97 | 107 | 103 | 99 | 96 | 99 | 96 | 93 | 95 | 92 | 90 | 91 | 89 | 87 | 85 | | | | |
| 2 | 100 | 92 | 86 | 80 | 97 | 90 | 84 | 79 | 87 | 82 | 77 | 84 | 79 | 76 | 81 | 77 | 74 | 72 | | | | |
| 3 | 91 | 81 | 73 | 67 | 89 | 80 | 72 | 67 | 77 | 71 | 65 | 74 | 69 | 64 | 72 | 67 | 63 | 61 | | | | |
| 4 | 84 | 72 | 64 | 57 | 82 | 71 | 63 | 57 | 69 | 62 | 56 | 66 | 60 | 55 | 64 | 59 | 55 | 53 | | | | |
| 5 | 77 | 65 | 56 | 50 | 75 | 64 | 56 | 49 | 62 | 54 | 49 | 60 | 53 | 48 | 58 | 52 | 48 | 46 | | | | |
| 6 | 72 | 59 | 50 | 44 | 70 | 58 | 49 | 43 | 56 | 48 | 43 | 54 | 48 | 43 | 53 | 47 | 42 | 40 | | | | |
| 7 | 66 | 53 | 45 | 39 | 65 | 52 | 44 | 38 | 51 | 43 | 38 | 49 | 43 | 38 | 48 | 42 | 38 | 36 | | | | |
| 8 | 62 | 49 | 40 | 35 | 60 | 48 | 40 | 34 | 47 | 39 | 34 | 45 | 39 | 34 | 44 | 38 | 34 | 32 | | | | |
| 9 | 58 | 45 | 37 | 31 | 56 | 44 | 36 | 31 | 43 | 36 | 31 | 42 | 35 | 31 | 41 | 35 | 31 | 29 | | | | |
| 10 | 54 | 41 | 34 | 28 | 53 | 41 | 33 | 28 | 40 | 33 | 28 | 39 | 33 | 28 | 38 | 32 | 28 | 26 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 28528 | 28528 | 28528 | 28528 |
| 5° | 28692 | 26076 | 28692 | 26076 |
| 10° | 28032 | 23703 | 28032 | 23703 |
| 15° | 28157 | 23239 | 28157 | 23239 |
| 20° | 27152 | 23426 | 27152 | 23426 |
| 25° | 26656 | 22881 | 26656 | 22881 |
| 30° | 26076 | 23069 | 26076 | 23069 |
| 35° | 25879 | 27038 | 25879 | 27038 |
| 40° | 25901 | 21437 | 25901 | 21437 |
| 45° | 25911 | 18463 | 25911 | 18463 |
| 50° | 25548 | 17314 | 25548 | 17314 |
| 55° | 25224 | 16611 | 25224 | 16611 |
| 60° | 24971 | 15580 | 24971 | 15580 |
| 65° | 24534 | 13551 | 24534 | 13551 |
| 70° | 23174 | 9682 | 23174 | 9682 |
| 75° | 20661 | 7342 | 20661 | 7342 |
| 80° | 16885 | 6880 | 16885 | 6880 |
| 85° | 10596 | 4668 | 10596 | 4668 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 25911 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 155.5 | 4.0 |
| 10°-20° | 409.0 | 10.5 |
| 20°-30° | 599.6 | 15.3 |
| 30°-40° | 726.0 | 18.6 |
| 40°-50° | 713.9 | 18.3 |
| 50°-60° | 621.0 | 15.9 |
| 60°-70° | 431.9 | 11.1 |
| 70°-80° | 204.8 | 5.2 |
| 80°-90° | 45.2 | 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° | 1164.0 | 29.8 |
| 0°-40° | 1890.0 | 48.4 |
| 0°-60° | 3224.9 | 82.5 |
| 0°-90° | 3906.8 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3906.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1767 | 1767 | 1767 | 1767 | 1767 | |
| 5° | 1770 | 1609 | 1770 | 1609 | 1770 | 166 |
| 15° | 1684 | 1390 | 1684 | 1390 | 1684 | 470 |
| 25° | 1496 | 1284 | 1496 | 1284 | 1496 | 688 |
| 35° | 1313 | 1372 | 1313 | 1372 | 1313 | 822 |
| 45° | 1135 | 809 | 1135 | 809 | 1135 | 872 |
| 55° | 896 | 590 | 896 | 590 | 896 | 800 |
| 65° | 642 | 355 | 642 | 355 | 642 | 631 |
| 75° | 331 | 118 | 331 | 118 | 331 | 351 |
| 85° | 57 | 25 | 57 | 25 | 57 | 78 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1427827

CATALOG NUMBER: SQ2W-PH1-OU-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1766.9 | 1766.9 | 1766.9 | 1766.9 | 1766.9 | 1766.9 | 1766.9 | 1766.9 | 1766.9 | 1766.9 | 1766.9 |
| 2.5° | 1762.9 | 1771.3 | 1779.6 | 1767.8 | 1749.3 | 1736.4 | 1729.3 | 1723.6 | 1722.4 | 1721.2 | 1722.4 |
| 5° | 1770.3 | 1769.5 | 1768.8 | 1733.9 | 1687.5 | 1652.8 | 1629.6 | 1611.9 | 1610.4 | 1608.9 | 1610.4 |
| 7.5° | 1738.0 | 1714.8 | 1691.7 | 1644.8 | 1589.9 | 1549.7 | 1524.2 | 1504.7 | 1503.5 | 1502.3 | 1503.5 |
| 10° | 1709.8 | 1674.6 | 1639.5 | 1586.5 | 1527.4 | 1486.4 | 1463.2 | 1445.8 | 1445.8 | 1445.8 | 1445.8 |
| 12.5° | 1703.0 | 1647.6 | 1592.2 | 1534.0 | 1475.0 | 1436.9 | 1419.7 | 1407.7 | 1411.3 | 1414.9 | 1411.3 |
| 15° | 1684.5 | 1600.9 | 1517.2 | 1458.1 | 1407.3 | 1379.7 | 1375.2 | 1373.9 | 1382.1 | 1390.3 | 1382.1 |
| 17.5° | 1623.4 | 1533.2 | 1443.1 | 1391.2 | 1352.1 | 1337.3 | 1346.9 | 1356.4 | 1366.0 | 1375.5 | 1366.0 |
| 20° | 1580.3 | 1491.4 | 1402.5 | 1354.5 | 1320.1 | 1311.9 | 1329.8 | 1345.5 | 1354.5 | 1363.4 | 1354.5 |
| 22.5° | 1544.0 | 1453.9 | 1363.8 | 1321.3 | 1294.7 | 1291.3 | 1311.0 | 1327.0 | 1331.8 | 1336.5 | 1331.8 |
| 25° | 1496.3 | 1394.6 | 1293.0 | 1262.0 | 1254.5 | 1259.4 | 1276.6 | 1288.9 | 1286.7 | 1284.4 | 1286.7 |
| 27.5° | 1439.1 | 1333.0 | 1226.9 | 1207.0 | 1215.8 | 1225.4 | 1235.9 | 1244.1 | 1245.4 | 1246.8 | 1245.4 |
| 30° | 1398.7 | 1292.6 | 1186.5 | 1170.7 | 1184.9 | 1197.2 | 1207.7 | 1217.9 | 1227.6 | 1237.4 | 1227.6 |
| 32.5° | 1359.7 | 1250.1 | 1140.4 | 1129.0 | 1150.3 | 1173.4 | 1198.2 | 1222.4 | 1244.7 | 1266.9 | 1244.7 |
| 35° | 1313.0 | 1198.7 | 1084.4 | 1075.4 | 1101.5 | 1135.2 | 1176.3 | 1225.4 | 1298.6 | 1371.8 | 1298.6 |
| 37.5° | 1263.9 | 1141.4 | 1018.8 | 1014.8 | 1050.2 | 1085.6 | 1121.0 | 1153.4 | 1176.7 | 1200.0 | 1176.7 |
| 40° | 1228.9 | 1100.4 | 971.9 | 971.7 | 1014.3 | 1058.4 | 1104.0 | 1124.7 | 1070.9 | 1017.1 | 1070.9 |
| 42.5° | 1191.3 | 1062.8 | 934.3 | 930.5 | 968.3 | 1016.9 | 1076.2 | 1098.0 | 1007.1 | 916.2 | 1007.1 |
| 45° | 1134.8 | 1001.1 | 867.3 | 862.4 | 900.6 | 927.5 | 943.1 | 938.7 | 873.7 | 808.6 | 873.7 |
| 47.5° | 1068.2 | 940.8 | 813.3 | 812.2 | 853.3 | 856.3 | 821.2 | 788.5 | 763.1 | 737.7 | 763.1 |
| 50° | 1017.1 | 896.8 | 776.5 | 781.8 | 828.8 | 824.3 | 768.3 | 722.2 | 705.7 | 689.3 | 705.7 |
| 52.5° | 967.4 | 853.0 | 738.7 | 752.6 | 809.2 | 800.3 | 725.7 | 667.0 | 656.0 | 644.9 | 656.0 |
| 55° | 896.1 | 786.2 | 676.4 | 707.8 | 786.2 | 774.3 | 671.9 | 594.6 | 592.3 | 590.1 | 592.3 |
| 57.5° | 820.4 | 716.6 | 612.7 | 634.5 | 698.1 | 685.6 | 596.8 | 531.2 | 535.1 | 539.0 | 535.1 |
| 60° | 773.3 | 672.5 | 571.6 | 574.4 | 611.8 | 599.8 | 538.5 | 491.5 | 487.0 | 482.5 | 487.0 |
| 62.5° | 723.6 | 627.5 | 531.4 | 517.5 | 530.9 | 516.9 | 475.3 | 443.0 | 438.6 | 434.1 | 438.6 |
| 65° | 642.2 | 554.8 | 467.4 | 441.0 | 435.1 | 414.9 | 380.5 | 354.7 | 354.7 | 354.7 | 354.7 |
| 67.5° | 552.8 | 476.6 | 400.3 | 370.9 | 357.0 | 336.9 | 310.8 | 286.7 | 268.8 | 250.8 | 268.8 |
| 70° | 490.9 | 423.7 | 356.4 | 325.6 | 306.9 | 283.0 | 253.9 | 229.0 | 217.1 | 205.1 | 217.1 |
| 72.5° | 425.0 | 367.3 | 309.6 | 278.1 | 255.2 | 231.9 | 208.1 | 186.9 | 173.1 | 159.4 | 173.1 |
| 75° | 331.2 | 284.9 | 238.5 | 207.9 | 182.5 | 159.0 | 137.3 | 120.7 | 119.2 | 117.7 | 119.2 |
| 77.5° | 239.4 | 205.6 | 171.9 | 147.0 | 125.2 | 108.9 | 98.0 | 89.8 | 90.0 | 90.1 | 90.0 |
| 80° | 181.6 | 156.2 | 130.8 | 107.6 | 85.2 | 73.6 | 72.9 | 72.5 | 73.2 | 74.0 | 73.2 |
| 82.5° | 127.8 | 108.9 | 90.1 | 75.3 | 61.9 | 55.7 | 56.7 | 57.5 | 57.7 | 57.8 | 57.7 |
| 85° | 57.2 | 48.2 | 39.2 | 35.9 | 34.4 | 32.1 | 29.1 | 26.7 | 26.0 | 25.2 | 26.0 |
| 87.5° | 12.1 | 11.5 | 10.9 | 9.4 | 7.6 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 |
| 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: P1427827

CATALOG NUMBER: SQ2W-PH1-OU-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1766.9 | 1766.9 | 1766.9 | 1766.9 | 1766.9 | 1766.9 | 1766.9 | 1766.9 | 1766.9 | 1766.9 | 1766.9 |
| 2.5° | 1723.6 | 1729.3 | 1736.4 | 1749.3 | 1767.8 | 1779.6 | 1771.3 | 1762.9 | 1771.3 | 1779.6 | 1767.8 |
| 5° | 1611.9 | 1629.6 | 1652.8 | 1687.5 | 1733.9 | 1768.8 | 1769.5 | 1770.3 | 1769.5 | 1768.8 | 1733.9 |
| 7.5° | 1504.7 | 1524.2 | 1549.7 | 1589.9 | 1644.8 | 1691.7 | 1714.8 | 1738.0 | 1714.8 | 1691.7 | 1644.8 |
| 10° | 1445.8 | 1463.2 | 1486.4 | 1527.4 | 1586.5 | 1639.5 | 1674.6 | 1709.8 | 1674.6 | 1639.5 | 1586.5 |
| 12.5° | 1407.7 | 1419.7 | 1436.9 | 1475.0 | 1534.0 | 1592.2 | 1647.6 | 1703.0 | 1647.6 | 1592.2 | 1534.0 |
| 15° | 1373.9 | 1375.2 | 1379.7 | 1407.3 | 1458.1 | 1517.2 | 1600.9 | 1684.5 | 1600.9 | 1517.2 | 1458.1 |
| 17.5° | 1356.4 | 1346.9 | 1337.3 | 1352.1 | 1391.2 | 1443.1 | 1533.2 | 1623.4 | 1533.2 | 1443.1 | 1391.2 |
| 20° | 1345.5 | 1329.8 | 1311.9 | 1320.1 | 1354.5 | 1402.5 | 1491.4 | 1580.3 | 1491.4 | 1402.5 | 1354.5 |
| 22.5° | 1327.0 | 1311.0 | 1291.3 | 1294.7 | 1321.3 | 1363.8 | 1453.9 | 1544.0 | 1453.9 | 1363.8 | 1321.3 |
| 25° | 1288.9 | 1276.6 | 1259.4 | 1254.5 | 1262.0 | 1293.0 | 1394.6 | 1496.3 | 1394.6 | 1293.0 | 1262.0 |
| 27.5° | 1244.1 | 1235.9 | 1225.4 | 1215.8 | 1207.0 | 1226.9 | 1333.0 | 1439.1 | 1333.0 | 1226.9 | 1207.0 |
| 30° | 1217.9 | 1207.7 | 1197.2 | 1184.9 | 1170.7 | 1186.5 | 1292.6 | 1398.7 | 1292.6 | 1186.5 | 1170.7 |
| 32.5° | 1222.4 | 1198.2 | 1173.4 | 1150.3 | 1129.0 | 1140.4 | 1250.1 | 1359.7 | 1250.1 | 1140.4 | 1129.0 |
| 35° | 1225.4 | 1176.3 | 1135.2 | 1101.5 | 1075.4 | 1084.4 | 1198.7 | 1313.0 | 1198.7 | 1084.4 | 1075.4 |
| 37.5° | 1153.4 | 1121.0 | 1085.6 | 1050.2 | 1014.8 | 1018.8 | 1141.4 | 1263.9 | 1141.4 | 1018.8 | 1014.8 |
| 40° | 1124.7 | 1104.0 | 1058.4 | 1014.3 | 971.7 | 971.9 | 1100.4 | 1228.9 | 1100.4 | 971.9 | 971.7 |
| 42.5° | 1098.0 | 1076.2 | 1016.9 | 968.3 | 930.5 | 934.3 | 1062.8 | 1191.3 | 1062.8 | 934.3 | 930.5 |
| 45° | 938.7 | 943.1 | 927.5 | 900.6 | 862.4 | 867.3 | 1001.1 | 1134.8 | 1001.1 | 867.3 | 862.4 |
| 47.5° | 788.5 | 821.2 | 856.3 | 853.3 | 812.2 | 813.3 | 940.8 | 1068.2 | 940.8 | 813.3 | 812.2 |
| 50° | 722.2 | 768.3 | 824.3 | 828.8 | 781.8 | 776.5 | 896.8 | 1017.1 | 896.8 | 776.5 | 781.8 |
| 52.5° | 667.0 | 725.7 | 800.3 | 809.2 | 752.6 | 738.7 | 853.0 | 967.4 | 853.0 | 738.7 | 752.6 |
| 55° | 594.6 | 671.9 | 774.3 | 786.2 | 707.8 | 676.4 | 786.2 | 896.1 | 786.2 | 676.4 | 707.8 |
| 57.5° | 531.2 | 596.8 | 685.6 | 698.1 | 634.5 | 612.7 | 716.6 | 820.4 | 716.6 | 612.7 | 634.5 |
| 60° | 491.5 | 538.5 | 599.8 | 611.8 | 574.4 | 571.6 | 672.5 | 773.3 | 672.5 | 571.6 | 574.4 |
| 62.5° | 443.0 | 475.3 | 516.9 | 530.9 | 517.5 | 531.4 | 627.5 | 723.6 | 627.5 | 531.4 | 517.5 |
| 65° | 354.7 | 380.5 | 414.9 | 435.1 | 441.0 | 467.4 | 554.8 | 642.2 | 554.8 | 467.4 | 441.0 |
| 67.5° | 286.7 | 310.8 | 336.9 | 357.0 | 370.9 | 400.3 | 476.6 | 552.8 | 476.6 | 400.3 | 370.9 |
| 70° | 229.0 | 253.9 | 283.0 | 306.9 | 325.6 | 356.4 | 423.7 | 490.9 | 423.7 | 356.4 | 325.6 |
| 72.5° | 186.9 | 208.1 | 231.9 | 255.2 | 278.1 | 309.6 | 367.3 | 425.0 | 367.3 | 309.6 | 278.1 |
| 75° | 120.7 | 137.3 | 159.0 | 182.5 | 207.9 | 238.5 | 284.9 | 331.2 | 284.9 | 238.5 | 207.9 |
| 77.5° | 89.8 | 98.0 | 108.9 | 125.2 | 147.0 | 171.9 | 205.6 | 239.4 | 205.6 | 171.9 | 147.0 |
| 80° | 72.5 | 72.9 | 73.6 | 85.2 | 107.6 | 130.8 | 156.2 | 181.6 | 156.2 | 130.8 | 107.6 |
| 82.5° | 57.5 | 56.7 | 55.7 | 61.9 | 75.3 | 90.1 | 108.9 | 127.8 | 108.9 | 90.1 | 75.3 |
| 85° | 26.7 | 29.1 | 32.1 | 34.4 | 35.9 | 39.2 | 48.2 | 57.2 | 48.2 | 39.2 | 35.9 |
| 87.5° | 6.7 | 6.7 | 6.7 | 7.6 | 9.4 | 10.9 | 11.5 | 12.1 | 11.5 | 10.9 | 9.4 |
| 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: P1427827

CATALOG NUMBER: SQ2W-PH1-OU-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1766.9 | 1766.9 | 1766.9 | 1766.9 | 1766.9 | 1766.9 | 1766.9 | 1766.9 | 1766.9 | 1766.9 | 1766.9 |
| 2.5° | 1749.3 | 1736.4 | 1729.3 | 1723.6 | 1722.4 | 1721.2 | 1722.4 | 1723.6 | 1729.3 | 1736.4 | 1749.3 |
| 5° | 1687.5 | 1652.8 | 1629.6 | 1611.9 | 1610.4 | 1608.9 | 1610.4 | 1611.9 | 1629.6 | 1652.8 | 1687.5 |
| 7.5° | 1589.9 | 1549.7 | 1524.2 | 1504.7 | 1503.5 | 1502.3 | 1503.5 | 1504.7 | 1524.2 | 1549.7 | 1589.9 |
| 10° | 1527.4 | 1486.4 | 1463.2 | 1445.8 | 1445.8 | 1445.8 | 1445.8 | 1445.8 | 1463.2 | 1486.4 | 1527.4 |
| 12.5° | 1475.0 | 1436.9 | 1419.7 | 1407.7 | 1411.3 | 1414.9 | 1411.3 | 1407.7 | 1419.7 | 1436.9 | 1475.0 |
| 15° | 1407.3 | 1379.7 | 1375.2 | 1373.9 | 1382.1 | 1390.3 | 1382.1 | 1373.9 | 1375.2 | 1379.7 | 1407.3 |
| 17.5° | 1352.1 | 1337.3 | 1346.9 | 1356.4 | 1366.0 | 1375.5 | 1366.0 | 1356.4 | 1346.9 | 1337.3 | 1352.1 |
| 20° | 1320.1 | 1311.9 | 1329.8 | 1345.5 | 1354.5 | 1363.4 | 1354.5 | 1345.5 | 1329.8 | 1311.9 | 1320.1 |
| 22.5° | 1294.7 | 1291.3 | 1311.0 | 1327.0 | 1331.8 | 1336.5 | 1331.8 | 1327.0 | 1311.0 | 1291.3 | 1294.7 |
| 25° | 1254.5 | 1259.4 | 1276.6 | 1288.9 | 1286.7 | 1284.4 | 1286.7 | 1288.9 | 1276.6 | 1259.4 | 1254.5 |
| 27.5° | 1215.8 | 1225.4 | 1235.9 | 1244.1 | 1245.4 | 1246.8 | 1245.4 | 1244.1 | 1235.9 | 1225.4 | 1215.8 |
| 30° | 1184.9 | 1197.2 | 1207.7 | 1217.9 | 1227.6 | 1237.4 | 1227.6 | 1217.9 | 1207.7 | 1197.2 | 1184.9 |
| 32.5° | 1150.3 | 1173.4 | 1198.2 | 1222.4 | 1244.7 | 1266.9 | 1244.7 | 1222.4 | 1198.2 | 1173.4 | 1150.3 |
| 35° | 1101.5 | 1135.2 | 1176.3 | 1225.4 | 1298.6 | 1371.8 | 1298.6 | 1225.4 | 1176.3 | 1135.2 | 1101.5 |
| 37.5° | 1050.2 | 1085.6 | 1121.0 | 1153.4 | 1176.7 | 1200.0 | 1176.7 | 1153.4 | 1121.0 | 1085.6 | 1050.2 |
| 40° | 1014.3 | 1058.4 | 1104.0 | 1124.7 | 1070.9 | 1017.1 | 1070.9 | 1124.7 | 1104.0 | 1058.4 | 1014.3 |
| 42.5° | 968.3 | 1016.9 | 1076.2 | 1098.0 | 1007.1 | 916.2 | 1007.1 | 1098.0 | 1076.2 | 1016.9 | 968.3 |
| 45° | 900.6 | 927.5 | 943.1 | 938.7 | 873.7 | 808.6 | 873.7 | 938.7 | 943.1 | 927.5 | 900.6 |
| 47.5° | 853.3 | 856.3 | 821.2 | 788.5 | 763.1 | 737.7 | 763.1 | 788.5 | 821.2 | 856.3 | 853.3 |
| 50° | 828.8 | 824.3 | 768.3 | 722.2 | 705.7 | 689.3 | 705.7 | 722.2 | 768.3 | 824.3 | 828.8 |
| 52.5° | 809.2 | 800.3 | 725.7 | 667.0 | 656.0 | 644.9 | 656.0 | 667.0 | 725.7 | 800.3 | 809.2 |
| 55° | 786.2 | 774.3 | 671.9 | 594.6 | 592.3 | 590.1 | 592.3 | 594.6 | 671.9 | 774.3 | 786.2 |
| 57.5° | 698.1 | 685.6 | 596.8 | 531.2 | 535.1 | 539.0 | 535.1 | 531.2 | 596.8 | 685.6 | 698.1 |
| 60° | 611.8 | 599.8 | 538.5 | 491.5 | 487.0 | 482.5 | 487.0 | 491.5 | 538.5 | 599.8 | 611.8 |
| 62.5° | 530.9 | 516.9 | 475.3 | 443.0 | 438.6 | 434.1 | 438.6 | 443.0 | 475.3 | 516.9 | 530.9 |
| 65° | 435.1 | 414.9 | 380.5 | 354.7 | 354.7 | 354.7 | 354.7 | 380.5 | 414.9 | 435.1 | 435.1 |
| 67.5° | 357.0 | 336.9 | 310.8 | 286.7 | 268.8 | 250.8 | 268.8 | 286.7 | 310.8 | 336.9 | 357.0 |
| 70° | 306.9 | 283.0 | 253.9 | 229.0 | 217.1 | 205.1 | 217.1 | 229.0 | 253.9 | 283.0 | 306.9 |
| 72.5° | 255.2 | 231.9 | 208.1 | 186.9 | 173.1 | 159.4 | 173.1 | 186.9 | 208.1 | 231.9 | 255.2 |
| 75° | 182.5 | 159.0 | 137.3 | 120.7 | 119.2 | 117.7 | 119.2 | 120.7 | 137.3 | 159.0 | 182.5 |
| 77.5° | 125.2 | 108.9 | 98.0 | 89.8 | 90.0 | 90.1 | 90.0 | 89.8 | 98.0 | 108.9 | 125.2 |
| 80° | 85.2 | 73.6 | 72.9 | 72.5 | 73.2 | 74.0 | 73.2 | 72.5 | 72.9 | 73.6 | 85.2 |
| 82.5° | 61.9 | 55.7 | 56.7 | 57.5 | 57.7 | 57.8 | 57.7 | 57.5 | 56.7 | 55.7 | 61.9 |
| 85° | 34.4 | 32.1 | 29.1 | 26.7 | 26.0 | 25.2 | 26.0 | 26.7 | 29.1 | 32.1 | 34.4 |
| 87.5° | 7.6 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 7.6 |
| 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: P1427827

CATALOG NUMBER: SQ2W-PH1-0U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|-------|--------|--------|--------|--------|
| 0° | 1766.9 | 1766.9 | 1766.9 | 1766.9 |
| 2.5° | 1767.8 | 1779.6 | 1771.3 | 1762.9 |
| 5° | 1733.9 | 1768.8 | 1769.5 | 1770.3 |
| 7.5° | 1644.8 | 1691.7 | 1714.8 | 1738.0 |
| 10° | 1586.5 | 1639.5 | 1674.6 | 1709.8 |
| 12.5° | 1534.0 | 1592.2 | 1647.6 | 1703.0 |
| 15° | 1458.1 | 1517.2 | 1600.9 | 1684.5 |
| 17.5° | 1391.2 | 1443.1 | 1533.2 | 1623.4 |
| 20° | 1354.5 | 1402.5 | 1491.4 | 1580.3 |
| 22.5° | 1321.3 | 1363.8 | 1453.9 | 1544.0 |
| 25° | 1262.0 | 1293.0 | 1394.6 | 1496.3 |
| 27.5° | 1207.0 | 1226.9 | 1333.0 | 1439.1 |
| 30° | 1170.7 | 1186.5 | 1292.6 | 1398.7 |
| 32.5° | 1129.0 | 1140.4 | 1250.1 | 1359.7 |
| 35° | 1075.4 | 1084.4 | 1198.7 | 1313.0 |
| 37.5° | 1014.8 | 1018.8 | 1141.4 | 1263.9 |
| 40° | 971.7 | 971.9 | 1100.4 | 1228.9 |
| 42.5° | 930.5 | 934.3 | 1062.8 | 1191.3 |
| 45° | 862.4 | 867.3 | 1001.1 | 1134.8 |
| 47.5° | 812.2 | 813.3 | 940.8 | 1068.2 |
| 50° | 781.8 | 776.5 | 896.8 | 1017.1 |
| 52.5° | 752.6 | 738.7 | 853.0 | 967.4 |
| 55° | 707.8 | 676.4 | 786.2 | 896.1 |
| 57.5° | 634.5 | 612.7 | 716.6 | 820.4 |
| 60° | 574.4 | 571.6 | 672.5 | 773.3 |
| 62.5° | 517.5 | 531.4 | 627.5 | 723.6 |
| 65° | 441.0 | 467.4 | 554.8 | 642.2 |
| 67.5° | 370.9 | 400.3 | 476.6 | 552.8 |
| 70° | 325.6 | 356.4 | 423.7 | 490.9 |
| 72.5° | 278.1 | 309.6 | 367.3 | 425.0 |
| 75° | 207.9 | 238.5 | 284.9 | 331.2 |
| 77.5° | 147.0 | 171.9 | 205.6 | 239.4 |
| 80° | 107.6 | 130.8 | 156.2 | 181.6 |
| 82.5° | 75.3 | 90.1 | 108.9 | 127.8 |
| 85° | 35.9 | 39.2 | 48.2 | 57.2 |
| 87.5° | 9.4 | 10.9 | 11.5 | 12.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P1427827
 CATALOG NUMBER: SQ2W-PH1-0U-075D-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 | 22.36 | 23.95 | 22.73 | 24.27 | 24.58 | 21.19 | 22.78 | 21.56 | 23.10 | 23.41 |
| | 3H | 24.59 | 26.02 | 24.97 | 26.35 | 26.71 | 22.29 | 23.73 | 22.67 | 24.05 | 24.41 |
| | 4H | 25.44 | 26.78 | 25.83 | 27.13 | 27.51 | 22.57 | 23.92 | 22.97 | 24.26 | 24.64 |
| | 6H | 25.94 | 27.18 | 26.35 | 27.55 | 27.94 | 22.75 | 23.99 | 23.16 | 24.36 | 24.75 |
| | 8H | 26.11 | 27.30 | 26.54 | 27.69 | 28.09 | 22.83 | 24.01 | 23.25 | 24.40 | 24.80 |
| | 12H | 26.19 | 27.33 | 26.62 | 27.71 | 28.14 | 22.86 | 24.00 | 23.29 | 24.38 | 24.81 |
| 4H | 2H | 22.88 | 24.23 | 23.28 | 24.58 | 24.95 | 21.96 | 23.30 | 22.36 | 23.65 | 24.03 |
| | 3H | 25.20 | 26.32 | 25.61 | 26.72 | 27.12 | 23.25 | 24.37 | 23.66 | 24.77 | 25.17 |
| | 4H | 26.10 | 27.11 | 26.53 | 27.52 | 27.96 | 23.58 | 24.58 | 24.01 | 25.00 | 25.44 |
| | 6H | 26.70 | 27.58 | 27.16 | 28.02 | 28.48 | 23.81 | 24.69 | 24.27 | 25.13 | 25.59 |
| | 8H | 26.92 | 27.74 | 27.38 | 28.18 | 28.65 | 23.92 | 24.74 | 24.38 | 25.18 | 25.65 |
| | 12H | 27.04 | 27.77 | 27.52 | 28.25 | 28.72 | 23.98 | 24.71 | 24.46 | 25.19 | 25.66 |
| 8H | 4H | 26.18 | 27.00 | 26.64 | 27.44 | 27.91 | 23.86 | 24.68 | 24.32 | 25.12 | 25.59 |
| | 6H | 26.84 | 27.52 | 27.33 | 28.01 | 28.48 | 24.16 | 24.84 | 24.65 | 25.33 | 25.80 |
| | 8H | 27.11 | 27.72 | 27.62 | 28.22 | 28.71 | 24.31 | 24.92 | 24.82 | 25.43 | 25.91 |
| | 12H | 27.27 | 27.81 | 27.78 | 28.30 | 28.86 | 24.41 | 24.94 | 24.91 | 25.43 | 26.00 |
| 12H | 4H | 26.17 | 26.90 | 26.65 | 27.38 | 27.85 | 23.89 | 24.63 | 24.37 | 25.10 | 25.57 |
| | 6H | 26.82 | 27.43 | 27.33 | 27.94 | 28.42 | 24.20 | 24.81 | 24.71 | 25.31 | 25.80 |
| | 8H | 27.13 | 27.66 | 27.63 | 28.15 | 28.72 | 24.39 | 24.93 | 24.90 | 25.42 | 25.98 |