

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: P1427981

Luminaire Tested: SQ2W-PH1-K-150U-125D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427981
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-K-150U-125D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE HEX LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

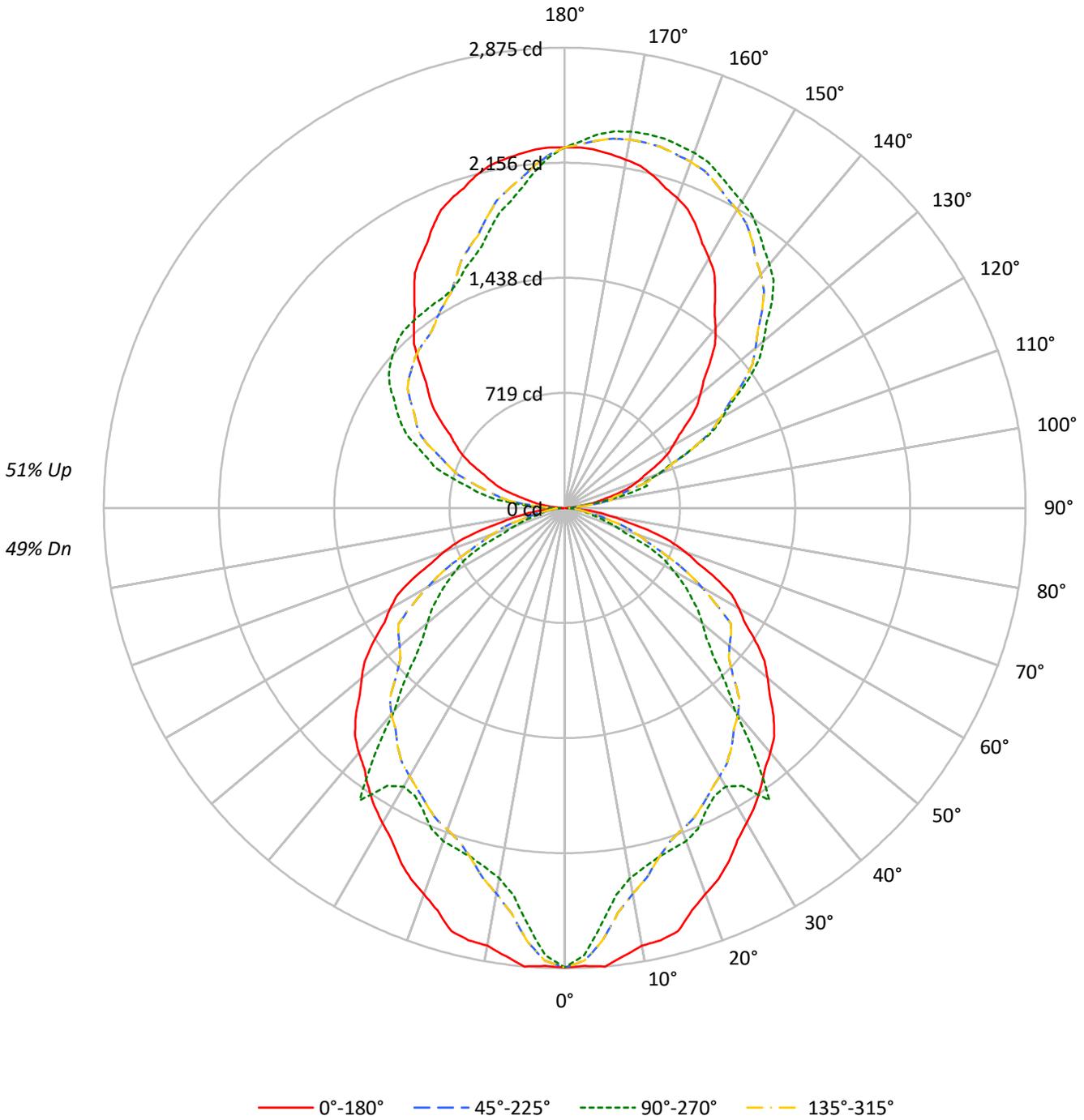
Lumens per Lamp: N/A
Luminaire Lumens: 12928.7 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 104.3
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: P1427981

CATALOG NUMBER: SQ2W-PH1-K-150U-125D-L830-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427981

CATALOG NUMBER: SQ2W-PH1-K-150U-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 | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 83 | 83 | 83 | 69 | 69 | 69 | 55 | 55 | 55 | 49 |
| 1 | 98 | 94 | 90 | 86 | 90 | 86 | 83 | 80 | 73 | 71 | 68 | 61 | 59 | 57 | 49 | 48 | 47 | 42 |
| 2 | 89 | 82 | 76 | 71 | 82 | 76 | 70 | 66 | 64 | 60 | 57 | 53 | 51 | 48 | 44 | 42 | 40 | 35 |
| 3 | 81 | 72 | 65 | 59 | 75 | 67 | 60 | 55 | 57 | 52 | 48 | 47 | 44 | 41 | 39 | 36 | 34 | 30 |
| 4 | 74 | 64 | 56 | 50 | 68 | 59 | 52 | 47 | 50 | 45 | 41 | 42 | 38 | 35 | 35 | 32 | 29 | 26 |
| 5 | 68 | 57 | 49 | 43 | 63 | 53 | 46 | 40 | 45 | 40 | 35 | 38 | 34 | 30 | 31 | 28 | 26 | 22 |
| 6 | 63 | 51 | 43 | 37 | 58 | 47 | 40 | 35 | 41 | 35 | 31 | 34 | 30 | 27 | 28 | 25 | 23 | 20 |
| 7 | 58 | 46 | 38 | 33 | 54 | 43 | 36 | 31 | 37 | 31 | 27 | 31 | 27 | 24 | 26 | 23 | 20 | 18 |
| 8 | 54 | 42 | 34 | 29 | 50 | 39 | 32 | 27 | 34 | 28 | 24 | 28 | 24 | 21 | 24 | 20 | 18 | 16 |
| 9 | 50 | 38 | 31 | 26 | 46 | 36 | 29 | 24 | 31 | 25 | 22 | 26 | 22 | 19 | 22 | 19 | 16 | 14 |
| 10 | 47 | 35 | 28 | 23 | 43 | 33 | 26 | 22 | 28 | 23 | 19 | 24 | 20 | 17 | 20 | 17 | 15 | 13 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 46334 | 46334 | 46334 | 46334 |
| 5° | 46601 | 42353 | 46601 | 42353 |
| 10° | 45528 | 38499 | 45528 | 38499 |
| 15° | 45733 | 37746 | 45733 | 37746 |
| 20° | 44100 | 38049 | 44100 | 38049 |
| 25° | 43293 | 37165 | 43293 | 37165 |
| 30° | 42354 | 37467 | 42354 | 37467 |
| 35° | 42034 | 43916 | 42034 | 43916 |
| 40° | 42069 | 34818 | 42069 | 34818 |
| 45° | 42084 | 29989 | 42084 | 29989 |
| 50° | 41495 | 28120 | 41495 | 28120 |
| 55° | 40968 | 26978 | 40968 | 26978 |
| 60° | 40561 | 25307 | 40561 | 25307 |
| 65° | 39850 | 22009 | 39850 | 22009 |
| 70° | 37638 | 15724 | 37638 | 15724 |
| 75° | 33555 | 11921 | 33555 | 11921 |
| 80° | 27419 | 11167 | 27419 | 11167 |
| 85° | 17191 | 7595 | 17191 | 7595 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 42084 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 252.5 | 2.0 |
| 10°-20° | 664.2 | 5.1 |
| 20°-30° | 973.8 | 7.5 |
| 30°-40° | 1179.2 | 9.1 |
| 40°-50° | 1159.5 | 9.0 |
| 50°-60° | 1008.6 | 7.8 |
| 60°-70° | 701.5 | 5.4 |
| 70°-80° | 332.7 | 2.6 |
| 80°-90° | 82.7 | 0.6 |
| 90°-100° | 179.2 | 1.4 |
| 100°-110° | 522.6 | 4.0 |
| 110°-120° | 852.8 | 6.6 |
| 120°-130° | 1082.1 | 8.4 |
| 130°-140° | 1157.9 | 9.0 |
| 140°-150° | 1081.2 | 8.4 |
| 150°-160° | 889.7 | 6.9 |
| 160°-170° | 596.7 | 4.6 |
| 170°-180° | 211.9 | 1.6 |
| 0°-30° | 1890.6 | 14.6 |
| 0°-40° | 3069.7 | 23.7 |
| 0°-60° | 5237.9 | 40.5 |
| 0°-90° | 6354.7 | 49.2 |
| 90°-120° | 1554.5 | 12.0 |
| 90°-150° | 4875.8 | 37.7 |
| 90°-180° | 6574.0 | 50.8 |
| 0°-180° | 12928.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 2870 | 2870 | 2870 | 2870 | 2870 | |
| 5° | 2875 | 2613 | 2875 | 2613 | 2875 | 270 |
| 15° | 2736 | 2258 | 2736 | 2258 | 2736 | 763 |
| 25° | 2430 | 2086 | 2430 | 2086 | 2430 | 1118 |
| 35° | 2133 | 2228 | 2133 | 2228 | 2133 | 1336 |
| 45° | 1843 | 1313 | 1843 | 1313 | 1843 | 1417 |
| 55° | 1455 | 958 | 1455 | 958 | 1455 | 1300 |
| 65° | 1043 | 576 | 1043 | 576 | 1043 | 1025 |
| 75° | 538 | 191 | 538 | 191 | 538 | 570 |
| 85° | 93 | 41 | 93 | 41 | 93 | 125 |
| 90° | 7 | 50 | 7 | 98 | 7 | 8 |
| 95° | 70 | 52 | 70 | 307 | 70 | 85 |
| 105° | 332 | 532 | 332 | 732 | 332 | 353 |
| 115° | 637 | 882 | 637 | 1087 | 637 | 628 |
| 125° | 942 | 1399 | 942 | 1333 | 942 | 842 |
| 135° | 1280 | 1831 | 1280 | 1476 | 1280 | 989 |
| 145° | 1635 | 2110 | 1635 | 1508 | 1635 | 1023 |
| 155° | 1942 | 2292 | 1942 | 1565 | 1942 | 893 |
| 165° | 2147 | 2390 | 2147 | 1801 | 2147 | 604 |
| 175° | 2245 | 2340 | 2245 | 2113 | 2245 | 213 |
| 180° | 2252 | 2252 | 2252 | 2252 | 2252 | |



TEST NUMBER: P1427981

CATALOG NUMBER: SQ2W-PH1-K-150U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2869.8 | 2869.8 | 2869.8 | 2869.8 | 2869.8 | 2869.8 | 2869.8 | 2869.8 | 2869.8 | 2869.8 | 2869.8 |
| 2.5° | 2863.3 | 2876.9 | 2890.5 | 2871.3 | 2841.2 | 2820.3 | 2808.7 | 2799.4 | 2797.5 | 2795.6 | 2797.5 |
| 5° | 2875.3 | 2874.1 | 2872.9 | 2816.1 | 2740.9 | 2684.4 | 2646.8 | 2618.0 | 2615.6 | 2613.2 | 2615.6 |
| 7.5° | 2822.9 | 2785.2 | 2747.6 | 2671.4 | 2582.3 | 2517.0 | 2475.5 | 2443.9 | 2442.0 | 2440.0 | 2442.0 |
| 10° | 2777.0 | 2719.9 | 2662.9 | 2576.7 | 2480.9 | 2414.1 | 2376.5 | 2348.3 | 2348.3 | 2348.3 | 2348.3 |
| 12.5° | 2766.1 | 2676.0 | 2586.0 | 2491.5 | 2395.7 | 2333.8 | 2305.9 | 2286.4 | 2292.2 | 2298.0 | 2292.2 |
| 15° | 2736.0 | 2600.1 | 2464.2 | 2368.3 | 2285.8 | 2240.9 | 2233.6 | 2231.5 | 2244.8 | 2258.2 | 2244.8 |
| 17.5° | 2636.6 | 2490.3 | 2343.9 | 2259.6 | 2196.0 | 2172.0 | 2187.5 | 2203.1 | 2218.6 | 2234.1 | 2218.6 |
| 20° | 2566.7 | 2422.3 | 2277.9 | 2199.9 | 2144.1 | 2130.8 | 2159.9 | 2185.4 | 2199.9 | 2214.5 | 2199.9 |
| 22.5° | 2507.8 | 2361.4 | 2215.0 | 2146.0 | 2102.8 | 2097.3 | 2129.3 | 2155.3 | 2163.0 | 2170.8 | 2163.0 |
| 25° | 2430.2 | 2265.2 | 2100.1 | 2049.7 | 2037.6 | 2045.5 | 2073.4 | 2093.4 | 2089.8 | 2086.2 | 2089.8 |
| 27.5° | 2337.4 | 2165.0 | 1992.7 | 1960.4 | 1974.7 | 1990.3 | 2007.3 | 2020.6 | 2022.8 | 2025.0 | 2022.8 |
| 30° | 2271.8 | 2099.5 | 1927.2 | 1901.4 | 1924.4 | 1944.5 | 1961.5 | 1978.1 | 1993.9 | 2009.7 | 1993.9 |
| 32.5° | 2208.5 | 2030.3 | 1852.2 | 1833.7 | 1868.4 | 1905.9 | 1946.2 | 1985.4 | 2021.6 | 2057.8 | 2021.6 |
| 35° | 2132.6 | 1946.9 | 1761.2 | 1746.7 | 1789.1 | 1843.7 | 1910.5 | 1990.3 | 2109.2 | 2228.1 | 2109.2 |
| 37.5° | 2052.8 | 1853.8 | 1654.8 | 1648.2 | 1705.7 | 1763.2 | 1820.7 | 1873.3 | 1911.2 | 1949.1 | 1911.2 |
| 40° | 1996.0 | 1787.3 | 1578.6 | 1578.3 | 1647.4 | 1719.0 | 1793.1 | 1826.7 | 1739.4 | 1652.0 | 1739.4 |
| 42.5° | 1934.9 | 1726.1 | 1517.4 | 1511.3 | 1572.7 | 1651.6 | 1747.9 | 1783.3 | 1635.7 | 1488.2 | 1635.7 |
| 45° | 1843.1 | 1625.9 | 1408.7 | 1400.8 | 1462.7 | 1506.4 | 1531.8 | 1524.6 | 1419.0 | 1313.4 | 1419.0 |
| 47.5° | 1735.0 | 1528.0 | 1320.9 | 1319.2 | 1386.0 | 1390.8 | 1333.8 | 1280.7 | 1239.4 | 1198.2 | 1239.4 |
| 50° | 1652.0 | 1456.6 | 1261.2 | 1269.7 | 1346.2 | 1338.9 | 1247.9 | 1172.9 | 1146.2 | 1119.5 | 1146.2 |
| 52.5° | 1571.2 | 1385.5 | 1199.8 | 1222.4 | 1314.4 | 1299.8 | 1178.7 | 1083.4 | 1065.4 | 1047.4 | 1065.4 |
| 55° | 1455.4 | 1277.0 | 1098.6 | 1149.6 | 1277.0 | 1257.6 | 1091.3 | 965.7 | 962.1 | 958.4 | 962.1 |
| 57.5° | 1332.5 | 1163.8 | 995.1 | 1030.5 | 1133.9 | 1113.5 | 969.4 | 862.8 | 869.1 | 875.4 | 869.1 |
| 60° | 1256.1 | 1092.2 | 928.4 | 932.9 | 993.6 | 974.2 | 874.7 | 798.2 | 791.0 | 783.7 | 791.0 |
| 62.5° | 1175.2 | 1019.2 | 863.1 | 840.5 | 862.3 | 839.5 | 772.0 | 719.6 | 712.3 | 705.0 | 712.3 |
| 65° | 1043.1 | 901.1 | 759.1 | 716.3 | 706.6 | 673.8 | 618.0 | 576.1 | 576.1 | 576.1 | 576.1 |
| 67.5° | 897.8 | 774.0 | 650.2 | 602.4 | 579.8 | 547.3 | 504.8 | 465.7 | 436.5 | 407.4 | 436.5 |
| 70° | 797.3 | 688.1 | 578.9 | 528.8 | 498.5 | 459.6 | 412.3 | 372.0 | 352.5 | 333.1 | 352.5 |
| 72.5° | 690.3 | 596.6 | 502.9 | 451.6 | 414.5 | 376.6 | 338.0 | 303.5 | 281.2 | 258.9 | 281.2 |
| 75° | 537.9 | 462.7 | 387.4 | 337.7 | 296.4 | 258.2 | 223.0 | 196.0 | 193.6 | 191.1 | 193.6 |
| 77.5° | 388.8 | 334.0 | 279.1 | 238.8 | 203.4 | 176.8 | 159.1 | 145.9 | 146.1 | 146.4 | 146.1 |
| 80° | 294.9 | 253.6 | 212.4 | 174.8 | 138.3 | 119.5 | 118.3 | 117.7 | 118.9 | 120.1 | 118.9 |
| 82.5° | 207.5 | 176.9 | 146.4 | 122.3 | 100.5 | 90.4 | 92.1 | 93.4 | 93.7 | 93.9 | 93.7 |
| 85° | 92.8 | 78.3 | 63.7 | 58.3 | 55.8 | 52.2 | 47.3 | 43.4 | 42.2 | 41.0 | 42.2 |
| 87.5° | 21.0 | 21.9 | 23.2 | 22.6 | 21.0 | 20.0 | 20.0 | 20.5 | 20.9 | 20.9 | 20.9 |
| 90° | 6.8 | 15.9 | 27.3 | 36.4 | 43.2 | 45.5 | 45.5 | 47.8 | 50.0 | 50.0 | 50.0 |
| 92.5° | 25.0 | 39.6 | 40.0 | 40.0 | 48.7 | 52.8 | 56.4 | 56.9 | 59.1 | 59.1 | 59.1 |
| 95° | 70.5 | 77.3 | 116.0 | 113.7 | 77.3 | 61.4 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 |
| 97.5° | 134.6 | 144.6 | 151.0 | 202.4 | 213.8 | 206.5 | 168.3 | 141.5 | 126.4 | 119.6 | 126.4 |
| 100° | 191.0 | 195.6 | 209.2 | 211.5 | 268.4 | 322.9 | 295.7 | 261.5 | 250.2 | 243.3 | 250.2 |
| 102.5° | 247.4 | 250.2 | 271.1 | 280.6 | 293.8 | 324.8 | 419.4 | 408.9 | 401.2 | 399.8 | 401.2 |
| 105° | 332.0 | 334.3 | 373.0 | 391.2 | 400.3 | 400.3 | 398.0 | 443.5 | 516.3 | 532.2 | 516.3 |
| 107.5° | 422.6 | 433.0 | 478.5 | 527.2 | 537.6 | 540.4 | 528.5 | 521.7 | 519.0 | 520.8 | 519.0 |
| 110° | 484.4 | 500.3 | 554.9 | 616.3 | 632.2 | 636.8 | 632.2 | 625.4 | 620.9 | 620.9 | 620.9 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 544.5 | 567.7 | 629.5 | 700.0 | 726.9 | 740.5 | 730.5 | 725.5 | 720.9 | 724.6 | 720.9 |
| 115° | 636.8 | 670.9 | 752.8 | 825.6 | 880.1 | 887.0 | 884.7 | 884.7 | 882.4 | 882.4 | 882.4 |
| 117.5° | 722.3 | 776.9 | 868.8 | 953.4 | 1016.6 | 1034.8 | 1043.9 | 1041.2 | 1038.4 | 1043.0 | 1038.4 |
| 120° | 782.3 | 846.0 | 950.6 | 1046.2 | 1107.6 | 1134.9 | 1144.0 | 1139.4 | 1144.0 | 1139.4 | 1144.0 |
| 122.5° | 846.0 | 924.3 | 1027.1 | 1126.2 | 1198.5 | 1229.5 | 1240.4 | 1241.3 | 1242.2 | 1239.5 | 1242.2 |
| 125° | 941.5 | 1037.1 | 1157.6 | 1259.9 | 1335.0 | 1371.4 | 1380.5 | 1382.8 | 1387.3 | 1398.7 | 1387.3 |
| 127.5° | 1038.0 | 1146.2 | 1278.6 | 1377.3 | 1454.2 | 1498.3 | 1512.4 | 1517.4 | 1526.9 | 1531.9 | 1526.9 |
| 130° | 1105.3 | 1228.1 | 1362.3 | 1455.5 | 1530.6 | 1578.3 | 1603.4 | 1610.2 | 1621.6 | 1619.3 | 1621.6 |
| 132.5° | 1176.3 | 1304.5 | 1440.5 | 1537.4 | 1607.0 | 1658.4 | 1679.8 | 1699.3 | 1703.4 | 1706.6 | 1703.4 |
| 135° | 1280.4 | 1419.1 | 1555.6 | 1651.1 | 1717.1 | 1767.1 | 1794.4 | 1812.6 | 1824.0 | 1830.8 | 1824.0 |
| 137.5° | 1390.0 | 1536.5 | 1667.5 | 1752.6 | 1819.0 | 1862.2 | 1893.1 | 1912.2 | 1924.0 | 1929.5 | 1924.0 |
| 140° | 1464.6 | 1605.6 | 1733.0 | 1821.7 | 1880.8 | 1924.0 | 1951.3 | 1974.1 | 1987.7 | 1987.7 | 1987.7 |
| 142.5° | 1535.6 | 1674.8 | 1798.5 | 1887.2 | 1939.0 | 1978.6 | 2007.7 | 2025.0 | 2040.5 | 2040.5 | 2040.5 |
| 145° | 1635.2 | 1773.9 | 1887.6 | 1976.3 | 2019.6 | 2055.9 | 2087.8 | 2101.4 | 2110.5 | 2110.5 | 2110.5 |
| 147.5° | 1739.4 | 1862.2 | 1965.9 | 2050.9 | 2087.3 | 2130.1 | 2155.1 | 2166.0 | 2177.4 | 2172.4 | 2177.4 |
| 150° | 1801.2 | 1914.9 | 2015.0 | 2094.6 | 2131.0 | 2171.9 | 2196.9 | 2206.0 | 2217.4 | 2210.6 | 2217.4 |
| 152.5° | 1861.3 | 1969.5 | 2060.5 | 2134.6 | 2165.6 | 2206.5 | 2235.2 | 2244.2 | 2252.0 | 2247.0 | 2252.0 |
| 155° | 1942.2 | 2037.7 | 2121.9 | 2190.1 | 2217.4 | 2256.1 | 2283.4 | 2294.7 | 2303.8 | 2292.5 | 2303.8 |
| 157.5° | 2014.5 | 2096.9 | 2170.1 | 2232.9 | 2262.0 | 2295.2 | 2320.7 | 2334.8 | 2343.9 | 2338.9 | 2343.9 |
| 160° | 2058.2 | 2133.3 | 2199.2 | 2258.3 | 2285.6 | 2315.2 | 2342.5 | 2358.4 | 2367.5 | 2360.7 | 2367.5 |
| 162.5° | 2094.6 | 2162.4 | 2224.7 | 2278.4 | 2302.0 | 2327.9 | 2360.7 | 2374.8 | 2383.9 | 2375.2 | 2383.9 |
| 165° | 2146.9 | 2201.5 | 2256.1 | 2301.6 | 2322.0 | 2342.5 | 2376.6 | 2392.5 | 2399.4 | 2390.3 | 2399.4 |
| 167.5° | 2186.5 | 2228.3 | 2272.5 | 2311.6 | 2326.6 | 2346.6 | 2380.7 | 2393.9 | 2402.5 | 2391.2 | 2402.5 |
| 170° | 2208.3 | 2244.7 | 2283.4 | 2315.2 | 2326.6 | 2344.8 | 2378.9 | 2390.3 | 2397.1 | 2385.7 | 2397.1 |
| 172.5° | 2226.5 | 2253.8 | 2285.2 | 2313.4 | 2319.3 | 2333.9 | 2366.2 | 2377.5 | 2382.5 | 2373.0 | 2382.5 |
| 175° | 2244.7 | 2260.6 | 2283.4 | 2301.6 | 2299.3 | 2308.4 | 2335.7 | 2344.8 | 2353.9 | 2340.2 | 2353.9 |
| 177.5° | 2253.3 | 2260.6 | 2267.9 | 2278.8 | 2271.5 | 2271.5 | 2291.6 | 2297.0 | 2298.8 | 2291.6 | 2298.8 |
| 180° | 2251.5 | 2251.5 | 2251.5 | 2251.5 | 2251.5 | 2251.5 | 2251.5 | 2251.5 | 2251.5 | 2251.5 | 2251.5 |



TEST NUMBER: P1427981

CATALOG NUMBER: SQ2W-PH1-K-150U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2869.8 | 2869.8 | 2869.8 | 2869.8 | 2869.8 | 2869.8 | 2869.8 | 2869.8 | 2869.8 | 2869.8 | 2869.8 |
| 2.5° | 2799.4 | 2808.7 | 2820.3 | 2841.2 | 2871.3 | 2890.5 | 2876.9 | 2863.3 | 2876.9 | 2890.5 | 2871.3 |
| 5° | 2618.0 | 2646.8 | 2684.4 | 2740.9 | 2816.1 | 2872.9 | 2874.1 | 2875.3 | 2874.1 | 2872.9 | 2816.1 |
| 7.5° | 2443.9 | 2475.5 | 2517.0 | 2582.3 | 2671.4 | 2747.6 | 2785.2 | 2822.9 | 2785.2 | 2747.6 | 2671.4 |
| 10° | 2348.3 | 2376.5 | 2414.1 | 2480.9 | 2576.7 | 2662.9 | 2719.9 | 2777.0 | 2719.9 | 2662.9 | 2576.7 |
| 12.5° | 2286.4 | 2305.9 | 2333.8 | 2395.7 | 2491.5 | 2586.0 | 2676.0 | 2766.1 | 2676.0 | 2586.0 | 2491.5 |
| 15° | 2231.5 | 2233.6 | 2240.9 | 2285.8 | 2368.3 | 2464.2 | 2600.1 | 2736.0 | 2600.1 | 2464.2 | 2368.3 |
| 17.5° | 2203.1 | 2187.5 | 2172.0 | 2196.0 | 2259.6 | 2343.9 | 2490.3 | 2636.6 | 2490.3 | 2343.9 | 2259.6 |
| 20° | 2185.4 | 2159.9 | 2130.8 | 2144.1 | 2199.9 | 2277.9 | 2422.3 | 2566.7 | 2422.3 | 2277.9 | 2199.9 |
| 22.5° | 2155.3 | 2129.3 | 2097.3 | 2102.8 | 2146.0 | 2215.0 | 2361.4 | 2507.8 | 2361.4 | 2215.0 | 2146.0 |
| 25° | 2093.4 | 2073.4 | 2045.5 | 2037.6 | 2049.7 | 2100.1 | 2265.2 | 2430.2 | 2265.2 | 2100.1 | 2049.7 |
| 27.5° | 2020.6 | 2007.3 | 1990.3 | 1974.7 | 1960.4 | 1992.7 | 2165.0 | 2337.4 | 2165.0 | 1992.7 | 1960.4 |
| 30° | 1978.1 | 1961.5 | 1944.5 | 1924.4 | 1901.4 | 1927.2 | 2099.5 | 2271.8 | 2099.5 | 1927.2 | 1901.4 |
| 32.5° | 1985.4 | 1946.2 | 1905.9 | 1868.4 | 1833.7 | 1852.2 | 2030.3 | 2208.5 | 2030.3 | 1852.2 | 1833.7 |
| 35° | 1990.3 | 1910.5 | 1843.7 | 1789.1 | 1746.7 | 1761.2 | 1946.9 | 2132.6 | 1946.9 | 1761.2 | 1746.7 |
| 37.5° | 1873.3 | 1820.7 | 1763.2 | 1705.7 | 1648.2 | 1654.8 | 1853.8 | 2052.8 | 1853.8 | 1654.8 | 1648.2 |
| 40° | 1826.7 | 1793.1 | 1719.0 | 1647.4 | 1578.3 | 1578.6 | 1787.3 | 1996.0 | 1787.3 | 1578.6 | 1578.3 |
| 42.5° | 1783.3 | 1747.9 | 1651.6 | 1572.7 | 1511.3 | 1517.4 | 1726.1 | 1934.9 | 1726.1 | 1517.4 | 1511.3 |
| 45° | 1524.6 | 1531.8 | 1506.4 | 1462.7 | 1400.8 | 1408.7 | 1625.9 | 1843.1 | 1625.9 | 1408.7 | 1400.8 |
| 47.5° | 1280.7 | 1333.8 | 1390.8 | 1386.0 | 1319.2 | 1320.9 | 1528.0 | 1735.0 | 1528.0 | 1320.9 | 1319.2 |
| 50° | 1172.9 | 1247.9 | 1338.9 | 1346.2 | 1269.7 | 1261.2 | 1456.6 | 1652.0 | 1456.6 | 1261.2 | 1269.7 |
| 52.5° | 1083.4 | 1178.7 | 1299.8 | 1314.4 | 1222.4 | 1199.8 | 1385.5 | 1571.2 | 1385.5 | 1199.8 | 1222.4 |
| 55° | 965.7 | 1091.3 | 1257.6 | 1277.0 | 1149.6 | 1098.6 | 1277.0 | 1455.4 | 1277.0 | 1098.6 | 1149.6 |
| 57.5° | 862.8 | 969.4 | 1113.5 | 1133.9 | 1030.5 | 995.1 | 1163.8 | 1332.5 | 1163.8 | 995.1 | 1030.5 |
| 60° | 798.2 | 874.7 | 974.2 | 993.6 | 932.9 | 928.4 | 1092.2 | 1256.1 | 1092.2 | 928.4 | 932.9 |
| 62.5° | 719.6 | 772.0 | 839.5 | 862.3 | 840.5 | 863.1 | 1019.2 | 1175.2 | 1019.2 | 863.1 | 840.5 |
| 65° | 576.1 | 618.0 | 673.8 | 706.6 | 716.3 | 759.1 | 901.1 | 1043.1 | 901.1 | 759.1 | 716.3 |
| 67.5° | 465.7 | 504.8 | 547.3 | 579.8 | 602.4 | 650.2 | 774.0 | 897.8 | 774.0 | 650.2 | 602.4 |
| 70° | 372.0 | 412.3 | 459.6 | 498.5 | 528.8 | 578.9 | 688.1 | 797.3 | 688.1 | 578.9 | 528.8 |
| 72.5° | 303.5 | 338.0 | 376.6 | 414.5 | 451.6 | 502.9 | 596.6 | 690.3 | 596.6 | 502.9 | 451.6 |
| 75° | 196.0 | 223.0 | 258.2 | 296.4 | 337.7 | 387.4 | 462.7 | 537.9 | 462.7 | 387.4 | 337.7 |
| 77.5° | 145.9 | 159.1 | 176.8 | 203.4 | 238.8 | 279.1 | 334.0 | 388.8 | 334.0 | 279.1 | 238.8 |
| 80° | 117.7 | 118.3 | 119.5 | 138.3 | 174.8 | 212.4 | 253.6 | 294.9 | 253.6 | 212.4 | 174.8 |
| 82.5° | 93.4 | 92.1 | 90.4 | 100.5 | 122.3 | 146.4 | 176.9 | 207.5 | 176.9 | 146.4 | 122.3 |
| 85° | 43.4 | 47.3 | 52.2 | 55.8 | 58.3 | 63.7 | 78.3 | 92.8 | 78.3 | 63.7 | 58.3 |
| 87.5° | 20.5 | 20.0 | 20.0 | 21.0 | 22.6 | 23.2 | 21.9 | 21.0 | 21.9 | 22.7 | 23.5 |
| 90° | 47.8 | 45.5 | 45.5 | 43.2 | 36.4 | 27.3 | 15.9 | 6.8 | 15.9 | 25.0 | 40.9 |
| 92.5° | 56.9 | 56.4 | 52.8 | 48.7 | 40.0 | 40.0 | 39.6 | 25.0 | 43.2 | 61.4 | 88.2 |
| 95° | 52.3 | 52.3 | 61.4 | 77.3 | 113.7 | 116.0 | 77.3 | 70.5 | 100.1 | 141.0 | 177.4 |
| 97.5° | 141.5 | 168.3 | 206.5 | 213.8 | 202.4 | 151.0 | 144.6 | 134.6 | 183.3 | 223.8 | 282.5 |
| 100° | 261.5 | 295.7 | 322.9 | 268.4 | 211.5 | 209.2 | 195.6 | 191.0 | 243.3 | 282.0 | 338.9 |
| 102.5° | 408.9 | 419.4 | 324.8 | 293.8 | 280.6 | 271.1 | 250.2 | 247.4 | 299.7 | 353.0 | 400.7 |
| 105° | 443.5 | 398.0 | 400.3 | 400.3 | 391.2 | 373.0 | 334.3 | 332.0 | 391.2 | 452.6 | 511.7 |
| 107.5° | 521.7 | 528.5 | 540.4 | 537.6 | 527.2 | 478.5 | 433.0 | 422.6 | 475.8 | 549.5 | 614.5 |
| 110° | 625.4 | 632.2 | 636.8 | 632.2 | 616.3 | 554.9 | 500.3 | 484.4 | 532.2 | 609.5 | 680.0 |



TEST NUMBER: P1427981

CATALOG NUMBER: SQ2W-PH1-K-150U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 725.5 | 730.5 | 740.5 | 726.9 | 700.0 | 629.5 | 567.7 | 544.5 | 592.2 | 671.4 | 743.7 |
| 115° | 884.7 | 884.7 | 887.0 | 880.1 | 825.6 | 752.8 | 670.9 | 636.8 | 677.7 | 750.5 | 830.1 |
| 117.5° | 1041.2 | 1043.9 | 1034.8 | 1016.6 | 953.4 | 868.8 | 776.9 | 722.3 | 754.6 | 831.5 | 913.3 |
| 120° | 1139.4 | 1144.0 | 1134.9 | 1107.6 | 1046.2 | 950.6 | 846.0 | 782.3 | 807.4 | 882.4 | 964.3 |
| 122.5° | 1241.3 | 1240.4 | 1229.5 | 1198.5 | 1126.2 | 1027.1 | 924.3 | 846.0 | 856.5 | 926.1 | 1006.1 |
| 125° | 1382.8 | 1380.5 | 1371.4 | 1335.0 | 1259.9 | 1157.6 | 1037.1 | 941.5 | 927.9 | 987.0 | 1068.9 |
| 127.5° | 1517.4 | 1512.4 | 1498.3 | 1454.2 | 1377.3 | 1278.6 | 1146.2 | 1038.0 | 1007.5 | 1044.8 | 1119.9 |
| 130° | 1610.2 | 1603.4 | 1578.3 | 1530.6 | 1455.5 | 1362.3 | 1228.1 | 1105.3 | 1062.1 | 1084.8 | 1150.8 |
| 132.5° | 1699.3 | 1679.8 | 1658.4 | 1607.0 | 1537.4 | 1440.5 | 1304.5 | 1176.3 | 1116.7 | 1126.7 | 1178.1 |
| 135° | 1812.6 | 1794.4 | 1767.1 | 1717.1 | 1651.1 | 1555.6 | 1419.1 | 1280.4 | 1198.5 | 1189.4 | 1219.0 |
| 137.5° | 1912.2 | 1893.1 | 1862.2 | 1819.0 | 1752.6 | 1667.5 | 1536.5 | 1390.0 | 1286.8 | 1256.3 | 1267.7 |
| 140° | 1974.1 | 1951.3 | 1924.0 | 1880.8 | 1821.7 | 1733.0 | 1605.6 | 1464.6 | 1348.6 | 1305.4 | 1298.6 |
| 142.5° | 2025.0 | 2007.7 | 1978.6 | 1939.0 | 1887.2 | 1798.5 | 1674.8 | 1535.6 | 1412.3 | 1356.4 | 1340.5 |
| 145° | 2101.4 | 2087.8 | 2055.9 | 2019.6 | 1976.3 | 1887.6 | 1773.9 | 1635.2 | 1512.4 | 1439.6 | 1405.5 |
| 147.5° | 2166.0 | 2155.1 | 2130.1 | 2087.3 | 2050.9 | 1965.9 | 1862.2 | 1739.4 | 1613.4 | 1523.3 | 1479.2 |
| 150° | 2206.0 | 2196.9 | 2171.9 | 2131.0 | 2094.6 | 2015.0 | 1914.9 | 1801.2 | 1680.7 | 1585.2 | 1528.3 |
| 152.5° | 2244.2 | 2235.2 | 2206.5 | 2165.6 | 2134.6 | 2060.5 | 1969.5 | 1861.3 | 1738.9 | 1643.4 | 1584.7 |
| 155° | 2294.7 | 2283.4 | 2256.1 | 2217.4 | 2190.1 | 2121.9 | 2037.7 | 1942.2 | 1837.6 | 1737.5 | 1671.6 |
| 157.5° | 2334.8 | 2320.7 | 2295.2 | 2262.0 | 2232.9 | 2170.1 | 2096.9 | 2014.5 | 1923.1 | 1827.6 | 1760.3 |
| 160° | 2358.4 | 2342.5 | 2315.2 | 2285.6 | 2258.3 | 2199.2 | 2133.3 | 2058.2 | 1974.1 | 1887.6 | 1814.9 |
| 162.5° | 2374.8 | 2360.7 | 2327.9 | 2302.0 | 2278.4 | 2224.7 | 2162.4 | 2094.6 | 2019.6 | 1944.0 | 1876.7 |
| 165° | 2392.5 | 2376.6 | 2342.5 | 2322.0 | 2301.6 | 2256.1 | 2201.5 | 2146.9 | 2083.2 | 2021.8 | 1967.2 |
| 167.5° | 2393.9 | 2380.7 | 2346.6 | 2326.6 | 2311.6 | 2272.5 | 2228.3 | 2186.5 | 2136.9 | 2088.7 | 2043.2 |
| 170° | 2390.3 | 2378.9 | 2344.8 | 2326.6 | 2315.2 | 2283.4 | 2244.7 | 2208.3 | 2169.7 | 2128.7 | 2092.3 |
| 172.5° | 2377.5 | 2366.2 | 2333.9 | 2319.3 | 2313.4 | 2285.2 | 2253.8 | 2226.5 | 2193.3 | 2163.3 | 2134.2 |
| 175° | 2344.8 | 2335.7 | 2308.4 | 2299.3 | 2301.6 | 2283.4 | 2260.6 | 2244.7 | 2224.2 | 2206.0 | 2190.1 |
| 177.5° | 2297.0 | 2291.6 | 2271.5 | 2271.5 | 2278.8 | 2267.9 | 2260.6 | 2253.3 | 2244.2 | 2238.8 | 2233.3 |
| 180° | 2251.5 | 2251.5 | 2251.5 | 2251.5 | 2251.5 | 2251.5 | 2251.5 | 2251.5 | 2251.5 | 2251.5 | 2251.5 |



TEST NUMBER: P1427981

CATALOG NUMBER: SQ2W-PH1-K-150U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2869.8 | 2869.8 | 2869.8 | 2869.8 | 2869.8 | 2869.8 | 2869.8 | 2869.8 | 2869.8 | 2869.8 | 2869.8 |
| 2.5° | 2841.2 | 2820.3 | 2808.7 | 2799.4 | 2797.5 | 2795.6 | 2797.5 | 2799.4 | 2808.7 | 2820.3 | 2841.2 |
| 5° | 2740.9 | 2684.4 | 2646.8 | 2618.0 | 2615.6 | 2613.2 | 2615.6 | 2618.0 | 2646.8 | 2684.4 | 2740.9 |
| 7.5° | 2582.3 | 2517.0 | 2475.5 | 2443.9 | 2442.0 | 2440.0 | 2442.0 | 2443.9 | 2475.5 | 2517.0 | 2582.3 |
| 10° | 2480.9 | 2414.1 | 2376.5 | 2348.3 | 2348.3 | 2348.3 | 2348.3 | 2348.3 | 2376.5 | 2414.1 | 2480.9 |
| 12.5° | 2395.7 | 2333.8 | 2305.9 | 2286.4 | 2292.2 | 2298.0 | 2292.2 | 2286.4 | 2305.9 | 2333.8 | 2395.7 |
| 15° | 2285.8 | 2240.9 | 2233.6 | 2231.5 | 2244.8 | 2258.2 | 2244.8 | 2231.5 | 2233.6 | 2240.9 | 2285.8 |
| 17.5° | 2196.0 | 2172.0 | 2187.5 | 2203.1 | 2218.6 | 2234.1 | 2218.6 | 2203.1 | 2187.5 | 2172.0 | 2196.0 |
| 20° | 2144.1 | 2130.8 | 2159.9 | 2185.4 | 2199.9 | 2214.5 | 2199.9 | 2185.4 | 2159.9 | 2130.8 | 2144.1 |
| 22.5° | 2102.8 | 2097.3 | 2129.3 | 2155.3 | 2163.0 | 2170.8 | 2163.0 | 2155.3 | 2129.3 | 2097.3 | 2102.8 |
| 25° | 2037.6 | 2045.5 | 2073.4 | 2093.4 | 2089.8 | 2086.2 | 2089.8 | 2093.4 | 2073.4 | 2045.5 | 2037.6 |
| 27.5° | 1974.7 | 1990.3 | 2007.3 | 2020.6 | 2022.8 | 2025.0 | 2022.8 | 2020.6 | 2007.3 | 1990.3 | 1974.7 |
| 30° | 1924.4 | 1944.5 | 1961.5 | 1978.1 | 1993.9 | 2009.7 | 1993.9 | 1978.1 | 1961.5 | 1944.5 | 1924.4 |
| 32.5° | 1868.4 | 1905.9 | 1946.2 | 1985.4 | 2021.6 | 2057.8 | 2021.6 | 1985.4 | 1946.2 | 1905.9 | 1868.4 |
| 35° | 1789.1 | 1843.7 | 1910.5 | 1990.3 | 2109.2 | 2228.1 | 2109.2 | 1990.3 | 1910.5 | 1843.7 | 1789.1 |
| 37.5° | 1705.7 | 1763.2 | 1820.7 | 1873.3 | 1911.2 | 1949.1 | 1911.2 | 1873.3 | 1820.7 | 1763.2 | 1705.7 |
| 40° | 1647.4 | 1719.0 | 1793.1 | 1826.7 | 1739.4 | 1652.0 | 1739.4 | 1826.7 | 1793.1 | 1719.0 | 1647.4 |
| 42.5° | 1572.7 | 1651.6 | 1747.9 | 1783.3 | 1635.7 | 1488.2 | 1635.7 | 1783.3 | 1747.9 | 1651.6 | 1572.7 |
| 45° | 1462.7 | 1506.4 | 1531.8 | 1524.6 | 1419.0 | 1313.4 | 1419.0 | 1524.6 | 1531.8 | 1506.4 | 1462.7 |
| 47.5° | 1386.0 | 1390.8 | 1333.8 | 1280.7 | 1239.4 | 1198.2 | 1239.4 | 1280.7 | 1333.8 | 1390.8 | 1386.0 |
| 50° | 1346.2 | 1338.9 | 1247.9 | 1172.9 | 1146.2 | 1119.5 | 1146.2 | 1172.9 | 1247.9 | 1338.9 | 1346.2 |
| 52.5° | 1314.4 | 1299.8 | 1178.7 | 1083.4 | 1065.4 | 1047.4 | 1065.4 | 1083.4 | 1178.7 | 1299.8 | 1314.4 |
| 55° | 1277.0 | 1257.6 | 1091.3 | 965.7 | 962.1 | 958.4 | 962.1 | 965.7 | 1091.3 | 1257.6 | 1277.0 |
| 57.5° | 1133.9 | 1113.5 | 969.4 | 862.8 | 869.1 | 875.4 | 869.1 | 862.8 | 969.4 | 1113.5 | 1133.9 |
| 60° | 993.6 | 974.2 | 874.7 | 798.2 | 791.0 | 783.7 | 791.0 | 798.2 | 874.7 | 974.2 | 993.6 |
| 62.5° | 862.3 | 839.5 | 772.0 | 719.6 | 712.3 | 705.0 | 712.3 | 719.6 | 772.0 | 839.5 | 862.3 |
| 65° | 706.6 | 673.8 | 618.0 | 576.1 | 576.1 | 576.1 | 576.1 | 576.1 | 618.0 | 673.8 | 706.6 |
| 67.5° | 579.8 | 547.3 | 504.8 | 465.7 | 436.5 | 407.4 | 436.5 | 465.7 | 504.8 | 547.3 | 579.8 |
| 70° | 498.5 | 459.6 | 412.3 | 372.0 | 352.5 | 333.1 | 352.5 | 372.0 | 412.3 | 459.6 | 498.5 |
| 72.5° | 414.5 | 376.6 | 338.0 | 303.5 | 281.2 | 258.9 | 281.2 | 303.5 | 338.0 | 376.6 | 414.5 |
| 75° | 296.4 | 258.2 | 223.0 | 196.0 | 193.6 | 191.1 | 193.6 | 196.0 | 223.0 | 258.2 | 296.4 |
| 77.5° | 203.4 | 176.8 | 159.1 | 145.9 | 146.1 | 146.4 | 146.1 | 145.9 | 159.1 | 176.8 | 203.4 |
| 80° | 138.3 | 119.5 | 118.3 | 117.7 | 118.9 | 120.1 | 118.9 | 117.7 | 118.3 | 119.5 | 138.3 |
| 82.5° | 100.5 | 90.4 | 92.1 | 93.4 | 93.7 | 93.9 | 93.7 | 93.4 | 92.1 | 90.4 | 100.5 |
| 85° | 55.8 | 52.2 | 47.3 | 43.4 | 42.2 | 41.0 | 42.2 | 43.4 | 47.3 | 52.2 | 55.8 |
| 87.5° | 22.8 | 24.6 | 27.8 | 29.6 | 31.4 | 30.5 | 31.4 | 29.6 | 27.8 | 24.6 | 22.8 |
| 90° | 52.3 | 68.2 | 84.1 | 93.2 | 102.3 | 97.8 | 102.3 | 93.2 | 84.1 | 68.2 | 52.3 |
| 92.5° | 105.1 | 131.9 | 151.5 | 167.8 | 175.1 | 174.2 | 175.1 | 167.8 | 151.5 | 131.9 | 105.1 |
| 95° | 211.5 | 243.3 | 275.2 | 297.9 | 311.6 | 307.0 | 311.6 | 297.9 | 275.2 | 243.3 | 211.5 |
| 97.5° | 326.1 | 368.9 | 404.4 | 425.7 | 439.4 | 448.5 | 439.4 | 425.7 | 404.4 | 368.9 | 326.1 |
| 100° | 402.5 | 443.5 | 484.4 | 509.4 | 532.2 | 541.3 | 532.2 | 509.4 | 484.4 | 443.5 | 402.5 |
| 102.5° | 464.4 | 518.1 | 562.7 | 589.5 | 608.6 | 617.7 | 608.6 | 589.5 | 562.7 | 518.1 | 464.4 |
| 105° | 566.3 | 623.1 | 670.9 | 705.0 | 725.5 | 732.3 | 725.5 | 705.0 | 670.9 | 623.1 | 566.3 |
| 107.5° | 668.2 | 726.9 | 771.0 | 808.7 | 833.7 | 848.3 | 833.7 | 808.7 | 771.0 | 726.9 | 668.2 |
| 110° | 748.2 | 796.0 | 843.8 | 877.9 | 902.9 | 912.0 | 902.9 | 877.9 | 843.8 | 796.0 | 748.2 |



TEST NUMBER: P1427981

CATALOG NUMBER: SQ2W-PH1-K-150U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 815.6 | 868.8 | 916.5 | 950.6 | 979.3 | 992.0 | 979.3 | 950.6 | 916.5 | 868.8 | 815.6 |
| 115° | 909.7 | 980.2 | 1023.4 | 1055.3 | 1075.7 | 1087.1 | 1075.7 | 1055.3 | 1023.4 | 980.2 | 909.7 |
| 117.5° | 987.9 | 1061.6 | 1108.9 | 1133.5 | 1143.0 | 1151.2 | 1143.0 | 1133.5 | 1108.9 | 1061.6 | 987.9 |
| 120° | 1037.1 | 1105.3 | 1159.9 | 1191.7 | 1203.1 | 1207.6 | 1203.1 | 1191.7 | 1159.9 | 1105.3 | 1037.1 |
| 122.5° | 1082.6 | 1147.1 | 1199.9 | 1239.0 | 1257.7 | 1262.2 | 1257.7 | 1239.0 | 1199.9 | 1147.1 | 1082.6 |
| 125° | 1146.2 | 1207.6 | 1262.2 | 1300.9 | 1321.4 | 1332.7 | 1321.4 | 1300.9 | 1262.2 | 1207.6 | 1146.2 |
| 127.5° | 1201.7 | 1268.1 | 1318.2 | 1353.2 | 1373.2 | 1382.3 | 1373.2 | 1353.2 | 1318.2 | 1268.1 | 1201.7 |
| 130° | 1232.7 | 1300.9 | 1350.9 | 1389.6 | 1407.8 | 1416.9 | 1407.8 | 1389.6 | 1350.9 | 1300.9 | 1232.7 |
| 132.5° | 1256.3 | 1328.2 | 1380.0 | 1415.1 | 1435.1 | 1444.2 | 1435.1 | 1415.1 | 1380.0 | 1328.2 | 1256.3 |
| 135° | 1285.0 | 1360.0 | 1414.6 | 1448.7 | 1466.9 | 1476.0 | 1466.9 | 1448.7 | 1414.6 | 1360.0 | 1285.0 |
| 137.5° | 1310.0 | 1378.2 | 1435.1 | 1471.0 | 1487.4 | 1493.3 | 1487.4 | 1471.0 | 1435.1 | 1378.2 | 1310.0 |
| 140° | 1328.2 | 1387.3 | 1444.2 | 1478.3 | 1496.5 | 1498.7 | 1496.5 | 1478.3 | 1444.2 | 1387.3 | 1328.2 |
| 142.5° | 1351.8 | 1398.2 | 1447.8 | 1481.9 | 1500.1 | 1504.2 | 1500.1 | 1481.9 | 1447.8 | 1398.2 | 1351.8 |
| 145° | 1394.1 | 1421.4 | 1455.5 | 1487.4 | 1503.3 | 1507.8 | 1503.3 | 1487.4 | 1455.5 | 1421.4 | 1394.1 |
| 147.5° | 1447.3 | 1456.0 | 1473.7 | 1494.6 | 1510.1 | 1513.3 | 1510.1 | 1494.6 | 1473.7 | 1456.0 | 1447.3 |
| 150° | 1487.4 | 1485.1 | 1491.9 | 1505.6 | 1519.2 | 1516.9 | 1519.2 | 1505.6 | 1491.9 | 1485.1 | 1487.4 |
| 152.5° | 1532.9 | 1519.7 | 1519.2 | 1525.6 | 1531.9 | 1531.5 | 1531.9 | 1525.6 | 1519.2 | 1519.7 | 1532.9 |
| 155° | 1610.2 | 1585.2 | 1571.5 | 1567.0 | 1567.0 | 1564.7 | 1567.0 | 1567.0 | 1571.5 | 1585.2 | 1610.2 |
| 157.5° | 1695.2 | 1660.2 | 1639.7 | 1628.8 | 1625.6 | 1620.6 | 1625.6 | 1628.8 | 1639.7 | 1660.2 | 1695.2 |
| 160° | 1753.5 | 1714.8 | 1694.3 | 1676.1 | 1669.3 | 1662.5 | 1669.3 | 1676.1 | 1694.3 | 1714.8 | 1753.5 |
| 162.5° | 1808.0 | 1771.2 | 1748.9 | 1732.5 | 1725.7 | 1715.3 | 1725.7 | 1732.5 | 1748.9 | 1771.2 | 1808.0 |
| 165° | 1896.7 | 1858.1 | 1833.1 | 1819.4 | 1810.3 | 1801.2 | 1810.3 | 1819.4 | 1833.1 | 1858.1 | 1896.7 |
| 167.5° | 1985.4 | 1943.1 | 1926.8 | 1911.3 | 1902.7 | 1886.3 | 1902.7 | 1911.3 | 1926.8 | 1943.1 | 1985.4 |
| 170° | 2040.0 | 2001.4 | 1992.3 | 1978.6 | 1962.7 | 1944.5 | 1962.7 | 1978.6 | 1992.3 | 2001.4 | 2040.0 |
| 172.5° | 2087.3 | 2061.4 | 2052.3 | 2038.7 | 2033.7 | 2019.1 | 2033.7 | 2038.7 | 2052.3 | 2061.4 | 2087.3 |
| 175° | 2156.0 | 2135.5 | 2135.5 | 2133.3 | 2126.4 | 2112.8 | 2126.4 | 2133.3 | 2135.5 | 2135.5 | 2156.0 |
| 177.5° | 2213.3 | 2202.4 | 2209.7 | 2209.7 | 2207.9 | 2195.1 | 2207.9 | 2209.7 | 2209.7 | 2202.4 | 2213.3 |
| 180° | 2251.5 | 2251.5 | 2251.5 | 2251.5 | 2251.5 | 2251.5 | 2251.5 | 2251.5 | 2251.5 | 2251.5 | 2251.5 |



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CATALOG NUMBER: SQ2W-PH1-K-150U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|
| 0° | 2869.8 | 2869.8 | 2869.8 | 2869.8 |
| 2.5° | 2871.3 | 2890.5 | 2876.9 | 2863.3 |
| 5° | 2816.1 | 2872.9 | 2874.1 | 2875.3 |
| 7.5° | 2671.4 | 2747.6 | 2785.2 | 2822.9 |
| 10° | 2576.7 | 2662.9 | 2719.9 | 2777.0 |
| 12.5° | 2491.5 | 2586.0 | 2676.0 | 2766.1 |
| 15° | 2368.3 | 2464.2 | 2600.1 | 2736.0 |
| 17.5° | 2259.6 | 2343.9 | 2490.3 | 2636.6 |
| 20° | 2199.9 | 2277.9 | 2422.3 | 2566.7 |
| 22.5° | 2146.0 | 2215.0 | 2361.4 | 2507.8 |
| 25° | 2049.7 | 2100.1 | 2265.2 | 2430.2 |
| 27.5° | 1960.4 | 1992.7 | 2165.0 | 2337.4 |
| 30° | 1901.4 | 1927.2 | 2099.5 | 2271.8 |
| 32.5° | 1833.7 | 1852.2 | 2030.3 | 2208.5 |
| 35° | 1746.7 | 1761.2 | 1946.9 | 2132.6 |
| 37.5° | 1648.2 | 1654.8 | 1853.8 | 2052.8 |
| 40° | 1578.3 | 1578.6 | 1787.3 | 1996.0 |
| 42.5° | 1511.3 | 1517.4 | 1726.1 | 1934.9 |
| 45° | 1400.8 | 1408.7 | 1625.9 | 1843.1 |
| 47.5° | 1319.2 | 1320.9 | 1528.0 | 1735.0 |
| 50° | 1269.7 | 1261.2 | 1456.6 | 1652.0 |
| 52.5° | 1222.4 | 1199.8 | 1385.5 | 1571.2 |
| 55° | 1149.6 | 1098.6 | 1277.0 | 1455.4 |
| 57.5° | 1030.5 | 995.1 | 1163.8 | 1332.5 |
| 60° | 932.9 | 928.4 | 1092.2 | 1256.1 |
| 62.5° | 840.5 | 863.1 | 1019.2 | 1175.2 |
| 65° | 716.3 | 759.1 | 901.1 | 1043.1 |
| 67.5° | 602.4 | 650.2 | 774.0 | 897.8 |
| 70° | 528.8 | 578.9 | 688.1 | 797.3 |
| 72.5° | 451.6 | 502.9 | 596.6 | 690.3 |
| 75° | 337.7 | 387.4 | 462.7 | 537.9 |
| 77.5° | 238.8 | 279.1 | 334.0 | 388.8 |
| 80° | 174.8 | 212.4 | 253.6 | 294.9 |
| 82.5° | 122.3 | 146.4 | 176.9 | 207.5 |
| 85° | 58.3 | 63.7 | 78.3 | 92.8 |
| 87.5° | 23.5 | 22.7 | 21.9 | 21.0 |
| 90° | 40.9 | 25.0 | 15.9 | 6.8 |
| 92.5° | 88.2 | 61.4 | 43.2 | 25.0 |
| 95° | 177.4 | 141.0 | 100.1 | 70.5 |
| 97.5° | 282.5 | 223.8 | 183.3 | 134.6 |
| 100° | 338.9 | 282.0 | 243.3 | 191.0 |
| 102.5° | 400.7 | 353.0 | 299.7 | 247.4 |
| 105° | 511.7 | 452.6 | 391.2 | 332.0 |
| 107.5° | 614.5 | 549.5 | 475.8 | 422.6 |
| 110° | 680.0 | 609.5 | 532.2 | 484.4 |



TEST NUMBER: P1427981

CATALOG NUMBER: SQ2W-PH1-K-150U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|
| 112.5° | 743.7 | 671.4 | 592.2 | 544.5 |
| 115° | 830.1 | 750.5 | 677.7 | 636.8 |
| 117.5° | 913.3 | 831.5 | 754.6 | 722.3 |
| 120° | 964.3 | 882.4 | 807.4 | 782.3 |
| 122.5° | 1006.1 | 926.1 | 856.5 | 846.0 |
| 125° | 1068.9 | 987.0 | 927.9 | 941.5 |
| 127.5° | 1119.9 | 1044.8 | 1007.5 | 1038.0 |
| 130° | 1150.8 | 1084.8 | 1062.1 | 1105.3 |
| 132.5° | 1178.1 | 1126.7 | 1116.7 | 1176.3 |
| 135° | 1219.0 | 1189.4 | 1198.5 | 1280.4 |
| 137.5° | 1267.7 | 1256.3 | 1286.8 | 1390.0 |
| 140° | 1298.6 | 1305.4 | 1348.6 | 1464.6 |
| 142.5° | 1340.5 | 1356.4 | 1412.3 | 1535.6 |
| 145° | 1405.5 | 1439.6 | 1512.4 | 1635.2 |
| 147.5° | 1479.2 | 1523.3 | 1613.4 | 1739.4 |
| 150° | 1528.3 | 1585.2 | 1680.7 | 1801.2 |
| 152.5° | 1584.7 | 1643.4 | 1738.9 | 1861.3 |
| 155° | 1671.6 | 1737.5 | 1837.6 | 1942.2 |
| 157.5° | 1760.3 | 1827.6 | 1923.1 | 2014.5 |
| 160° | 1814.9 | 1887.6 | 1974.1 | 2058.2 |
| 162.5° | 1876.7 | 1944.0 | 2019.6 | 2094.6 |
| 165° | 1967.2 | 2021.8 | 2083.2 | 2146.9 |
| 167.5° | 2043.2 | 2088.7 | 2136.9 | 2186.5 |
| 170° | 2092.3 | 2128.7 | 2169.7 | 2208.3 |
| 172.5° | 2134.2 | 2163.3 | 2193.3 | 2226.5 |
| 175° | 2190.1 | 2206.0 | 2224.2 | 2244.7 |
| 177.5° | 2233.3 | 2238.8 | 2244.2 | 2253.3 |
| 180° | 2251.5 | 2251.5 | 2251.5 | 2251.5 |



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 CATALOG NUMBER: SQ2W-PH1-K-150U-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 | 20.12 | 20.97 | 21.09 | 21.95 | 23.23 | 18.95 | 19.80 | 19.92 | 20.78 | 22.06 |
| | 3H | 22.30 | 23.05 | 23.27 | 24.04 | 25.35 | 20.00 | 20.76 | 20.98 | 21.75 | 23.05 |
| | 4H | 23.11 | 23.83 | 24.10 | 24.82 | 26.13 | 20.24 | 20.96 | 21.24 | 21.95 | 23.27 |
| | 6H | 23.58 | 24.24 | 24.58 | 25.23 | 26.56 | 20.38 | 21.05 | 21.39 | 22.04 | 23.37 |
| | 8H | 23.73 | 24.36 | 24.73 | 25.37 | 26.69 | 20.44 | 21.07 | 21.45 | 22.08 | 23.41 |
| | 12H | 23.79 | 24.38 | 24.80 | 25.39 | 26.74 | 20.45 | 21.05 | 21.47 | 22.06 | 23.41 |
| 4H | 2H | 20.56 | 21.27 | 21.55 | 22.27 | 23.58 | 19.63 | 20.35 | 20.63 | 21.34 | 22.66 |
| | 3H | 22.81 | 23.40 | 23.81 | 24.42 | 25.75 | 20.86 | 21.46 | 21.87 | 22.48 | 23.81 |
| | 4H | 23.68 | 24.22 | 24.69 | 25.24 | 26.59 | 21.15 | 21.70 | 22.17 | 22.71 | 24.06 |
| | 6H | 24.24 | 24.71 | 25.26 | 25.74 | 27.09 | 21.35 | 21.82 | 22.38 | 22.86 | 24.21 |
| | 8H | 24.44 | 24.88 | 25.47 | 25.91 | 27.27 | 21.44 | 21.88 | 22.47 | 22.91 | 24.27 |
| | 12H | 24.52 | 24.92 | 25.57 | 25.96 | 27.33 | 21.46 | 21.86 | 22.51 | 22.90 | 24.27 |
| 8H | 4H | 23.70 | 24.14 | 24.73 | 25.17 | 26.53 | 21.38 | 21.82 | 22.41 | 22.85 | 24.21 |
| | 6H | 24.33 | 24.69 | 25.38 | 25.76 | 27.12 | 21.65 | 22.01 | 22.70 | 23.08 | 24.44 |
| | 8H | 24.59 | 24.91 | 25.65 | 25.97 | 27.35 | 21.79 | 22.11 | 22.85 | 23.17 | 24.55 |
| | 12H | 24.72 | 25.00 | 25.78 | 26.05 | 27.48 | 21.86 | 22.14 | 22.92 | 23.19 | 24.61 |
| 12H | 4H | 23.65 | 24.05 | 24.70 | 25.09 | 26.46 | 21.38 | 21.77 | 22.42 | 22.82 | 24.19 |
| | 6H | 24.31 | 24.62 | 25.36 | 25.68 | 27.06 | 21.68 | 22.00 | 22.74 | 23.06 | 24.44 |
| | 8H | 24.58 | 24.86 | 25.64 | 25.91 | 27.33 | 21.84 | 22.12 | 22.91 | 23.18 | 24.60 |