

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: P1428470

Luminaire Tested: SQ2W-PW1-K-150U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428470
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PW1-K-150U-050D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE WAVES LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

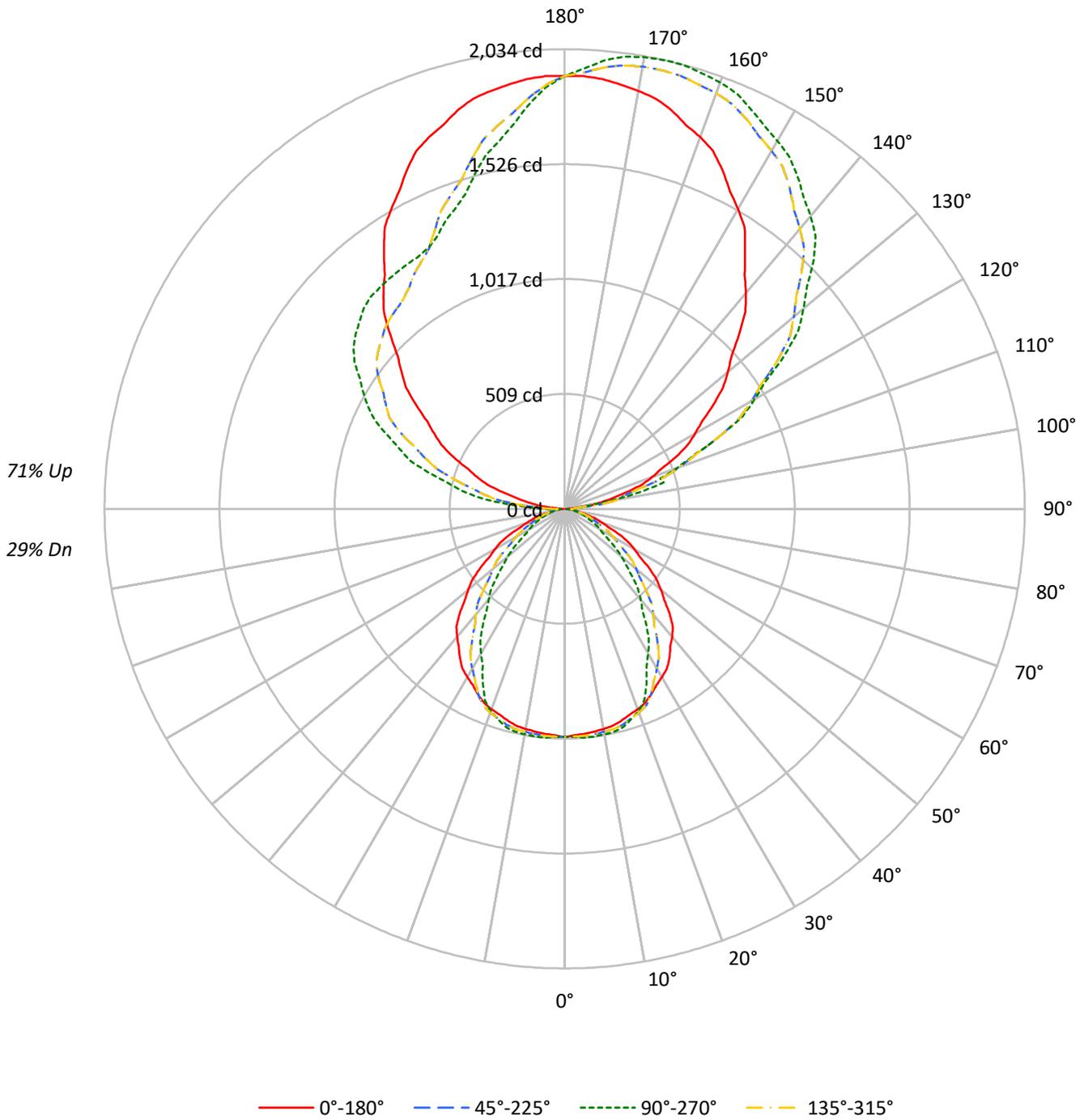
Lumens per Lamp: N/A
Luminaire Lumens: 7841.1 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 72.9
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: P1428470

CATALOG NUMBER: SQ2W-PW1-K-150U-050D-L930-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1428470

CATALOG NUMBER: SQ2W-PW1-K-150U-050D-L930-UNV-STD-W-WM-4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 102 | 102 | 102 | 102 | 91 | 91 | 91 | 91 | 71 | 71 | 71 | 53 | 53 | 53 | 37 | 37 | 37 | 29 |
| 1 | 93 | 89 | 86 | 82 | 83 | 80 | 77 | 74 | 63 | 61 | 59 | 47 | 46 | 45 | 33 | 32 | 31 | 25 |
| 2 | 85 | 78 | 73 | 68 | 76 | 70 | 66 | 61 | 56 | 52 | 49 | 42 | 40 | 38 | 29 | 28 | 27 | 21 |
| 3 | 78 | 69 | 62 | 57 | 70 | 62 | 56 | 52 | 49 | 45 | 42 | 37 | 35 | 32 | 26 | 25 | 23 | 18 |
| 4 | 71 | 61 | 54 | 48 | 64 | 55 | 49 | 44 | 44 | 39 | 36 | 33 | 30 | 28 | 24 | 22 | 20 | 16 |
| 5 | 65 | 54 | 47 | 41 | 58 | 49 | 43 | 38 | 39 | 35 | 31 | 30 | 27 | 24 | 21 | 19 | 18 | 14 |
| 6 | 60 | 49 | 41 | 36 | 54 | 44 | 38 | 33 | 35 | 31 | 27 | 27 | 24 | 21 | 19 | 17 | 16 | 13 |
| 7 | 56 | 44 | 37 | 31 | 50 | 40 | 33 | 29 | 32 | 27 | 24 | 25 | 21 | 19 | 18 | 16 | 14 | 11 |
| 8 | 52 | 40 | 33 | 28 | 46 | 36 | 30 | 25 | 29 | 24 | 21 | 23 | 19 | 17 | 16 | 14 | 13 | 10 |
| 9 | 48 | 36 | 29 | 24 | 43 | 33 | 27 | 23 | 27 | 22 | 19 | 21 | 17 | 15 | 15 | 13 | 11 | 9 |
| 10 | 45 | 33 | 26 | 22 | 40 | 30 | 24 | 20 | 25 | 20 | 17 | 19 | 16 | 14 | 14 | 12 | 10 | 8 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 16305 | 16305 | 16305 | 16305 |
| 5° | 16196 | 16476 | 16196 | 16476 |
| 10° | 16226 | 16619 | 16226 | 16619 |
| 15° | 16222 | 16720 | 16222 | 16720 |
| 20° | 16228 | 16393 | 16228 | 16393 |
| 25° | 16140 | 15232 | 16140 | 15232 |
| 30° | 16031 | 13772 | 16031 | 13772 |
| 35° | 15906 | 12435 | 15906 | 12435 |
| 40° | 15588 | 10987 | 15588 | 10987 |
| 45° | 14979 | 9597 | 14979 | 9597 |
| 50° | 13940 | 8214 | 13940 | 8214 |
| 55° | 12751 | 6660 | 12751 | 6660 |
| 60° | 11428 | 5745 | 11428 | 5745 |
| 65° | 9994 | 5108 | 9994 | 5108 |
| 70° | 8171 | 4631 | 8171 | 4631 |
| 75° | 6363 | 4261 | 6363 | 4261 |
| 80° | 4742 | 3756 | 4742 | 3756 |
| 85° | 3205 | 2130 | 3205 | 2130 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14979 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 96.2 | 1.2 |
| 10°-20° | 278.6 | 3.6 |
| 20°-30° | 410.0 | 5.2 |
| 30°-40° | 448.3 | 5.7 |
| 40°-50° | 402.2 | 5.1 |
| 50°-60° | 300.0 | 3.8 |
| 60°-70° | 189.6 | 2.4 |
| 70°-80° | 93.9 | 1.2 |
| 80°-90° | 29.9 | 0.4 |
| 90°-100° | 152.4 | 1.9 |
| 100°-110° | 444.5 | 5.7 |
| 110°-120° | 725.4 | 9.3 |
| 120°-130° | 920.5 | 11.7 |
| 130°-140° | 985.0 | 12.6 |
| 140°-150° | 919.8 | 11.7 |
| 150°-160° | 756.8 | 9.7 |
| 160°-170° | 507.6 | 6.5 |
| 170°-180° | 180.2 | 2.3 |
| 0°-30° | 784.8 | 10.0 |
| 0°-40° | 1233.2 | 15.7 |
| 0°-60° | 1935.4 | 24.7 |
| 0°-90° | 2248.8 | 28.7 |
| 90°-120° | 1322.4 | 16.9 |
| 90°-150° | 4147.7 | 52.9 |
| 90°-180° | 5592.0 | 71.3 |
| 0°-180° | 7841.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1010 | 1010 | 1010 | 1010 | 1010 | |
| 5° | 999 | 1017 | 999 | 1017 | 999 | 95 |
| 15° | 970 | 1000 | 970 | 1000 | 970 | 274 |
| 25° | 906 | 855 | 906 | 855 | 906 | 417 |
| 35° | 807 | 631 | 807 | 631 | 807 | 503 |
| 45° | 656 | 420 | 656 | 420 | 656 | 503 |
| 55° | 453 | 237 | 453 | 237 | 453 | 405 |
| 65° | 262 | 134 | 262 | 134 | 262 | 259 |
| 75° | 102 | 68 | 102 | 68 | 102 | 112 |
| 85° | 17 | 12 | 17 | 12 | 17 | 22 |
| 90° | 6 | 43 | 6 | 83 | 6 | 5 |
| 95° | 60 | 44 | 60 | 261 | 60 | 72 |
| 105° | 282 | 453 | 282 | 623 | 282 | 300 |
| 115° | 542 | 751 | 542 | 925 | 542 | 534 |
| 125° | 801 | 1190 | 801 | 1134 | 801 | 717 |
| 135° | 1089 | 1557 | 1089 | 1256 | 1089 | 842 |
| 145° | 1391 | 1795 | 1391 | 1283 | 1391 | 870 |
| 155° | 1652 | 1950 | 1652 | 1331 | 1652 | 759 |
| 165° | 1826 | 2033 | 1826 | 1532 | 1826 | 514 |
| 175° | 1910 | 1991 | 1910 | 1797 | 1910 | 181 |
| 180° | 1915 | 1915 | 1915 | 1915 | 1915 | |



TEST NUMBER: P1428470

CATALOG NUMBER: SQ2W-PW1-K-150U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 |
| 2.5° | 1003.0 | 1008.8 | 1014.6 | 1013.2 | 1009.5 | 1007.8 | 1008.1 | 1008.6 | 1009.6 | 1010.7 | 1009.6 |
| 5° | 999.3 | 1006.6 | 1013.9 | 1012.8 | 1008.9 | 1007.2 | 1007.7 | 1008.9 | 1012.8 | 1016.6 | 1012.8 |
| 7.5° | 994.3 | 1001.7 | 1009.0 | 1008.7 | 1005.8 | 1005.0 | 1006.5 | 1008.5 | 1012.3 | 1016.1 | 1012.3 |
| 10° | 989.7 | 997.4 | 1005.1 | 1005.1 | 1002.5 | 1002.3 | 1004.4 | 1006.9 | 1010.3 | 1013.7 | 1010.3 |
| 12.5° | 983.5 | 991.6 | 999.6 | 1000.2 | 998.3 | 998.6 | 1001.1 | 1003.8 | 1007.2 | 1010.7 | 1007.2 |
| 15° | 970.5 | 979.0 | 987.6 | 989.4 | 989.0 | 990.2 | 993.2 | 996.0 | 998.1 | 1000.3 | 998.1 |
| 17.5° | 955.3 | 963.8 | 972.4 | 974.1 | 973.5 | 973.5 | 974.3 | 975.1 | 976.2 | 977.2 | 976.2 |
| 20° | 944.5 | 953.0 | 961.6 | 962.8 | 961.5 | 959.4 | 956.4 | 954.1 | 954.1 | 954.1 | 954.1 |
| 22.5° | 929.1 | 938.3 | 947.6 | 947.6 | 944.6 | 939.1 | 931.0 | 924.2 | 921.5 | 918.7 | 921.5 |
| 25° | 906.0 | 915.0 | 924.0 | 919.8 | 911.3 | 898.6 | 882.0 | 867.9 | 861.5 | 855.0 | 861.5 |
| 27.5° | 879.1 | 886.4 | 893.6 | 882.7 | 865.8 | 845.5 | 821.8 | 801.8 | 793.0 | 784.1 | 793.0 |
| 30° | 859.9 | 865.4 | 871.0 | 853.8 | 829.0 | 803.5 | 777.5 | 755.8 | 747.2 | 738.7 | 747.2 |
| 32.5° | 839.9 | 842.0 | 844.1 | 821.4 | 790.5 | 761.5 | 734.4 | 711.7 | 702.5 | 693.3 | 702.5 |
| 35° | 807.0 | 803.1 | 799.3 | 769.1 | 730.2 | 697.1 | 669.7 | 647.2 | 639.1 | 630.9 | 639.1 |
| 37.5° | 768.1 | 756.6 | 745.2 | 711.2 | 669.8 | 634.7 | 606.1 | 582.3 | 573.4 | 564.4 | 573.4 |
| 40° | 739.6 | 723.4 | 707.1 | 670.7 | 627.5 | 591.6 | 563.0 | 539.3 | 530.3 | 521.3 | 530.3 |
| 42.5° | 708.1 | 687.7 | 667.4 | 629.9 | 586.7 | 550.8 | 522.2 | 498.4 | 489.1 | 479.8 | 489.1 |
| 45° | 656.0 | 632.0 | 608.1 | 569.1 | 525.0 | 489.1 | 461.3 | 438.3 | 429.3 | 420.3 | 429.3 |
| 47.5° | 597.3 | 573.5 | 549.7 | 510.8 | 466.9 | 431.5 | 404.5 | 382.4 | 374.7 | 367.0 | 374.7 |
| 50° | 555.0 | 531.9 | 508.8 | 471.6 | 429.7 | 395.3 | 368.4 | 345.8 | 336.4 | 327.0 | 336.4 |
| 52.5° | 511.9 | 491.2 | 470.5 | 434.7 | 393.8 | 359.6 | 332.0 | 308.0 | 295.2 | 282.4 | 295.2 |
| 55° | 453.0 | 433.3 | 413.7 | 379.9 | 341.4 | 306.8 | 276.0 | 251.1 | 243.9 | 236.6 | 243.9 |
| 57.5° | 392.4 | 375.4 | 358.4 | 328.0 | 293.2 | 261.9 | 233.9 | 211.4 | 205.5 | 199.5 | 205.5 |
| 60° | 353.9 | 339.0 | 324.0 | 295.0 | 261.2 | 232.5 | 209.0 | 189.9 | 183.9 | 177.9 | 183.9 |
| 62.5° | 317.0 | 303.8 | 290.5 | 262.6 | 229.9 | 204.2 | 185.4 | 170.2 | 165.2 | 160.2 | 165.2 |
| 65° | 261.6 | 251.8 | 241.9 | 219.0 | 191.6 | 170.2 | 154.9 | 142.2 | 138.0 | 133.7 | 138.0 |
| 67.5° | 207.8 | 202.3 | 196.8 | 179.6 | 158.5 | 141.2 | 127.7 | 116.8 | 114.0 | 111.2 | 114.0 |
| 70° | 173.1 | 171.4 | 169.7 | 155.5 | 137.1 | 122.4 | 111.2 | 102.4 | 100.2 | 98.1 | 100.2 |
| 72.5° | 143.1 | 143.8 | 144.5 | 132.7 | 116.7 | 104.3 | 95.6 | 88.7 | 87.2 | 85.8 | 87.2 |
| 75° | 102.0 | 105.4 | 108.8 | 101.0 | 89.4 | 80.7 | 74.7 | 70.0 | 69.1 | 68.3 | 69.1 |
| 77.5° | 69.4 | 74.6 | 79.7 | 74.6 | 66.2 | 59.7 | 55.3 | 51.8 | 51.1 | 50.4 | 51.1 |
| 80° | 51.0 | 56.1 | 61.2 | 57.7 | 51.3 | 46.4 | 43.0 | 40.4 | 40.4 | 40.4 | 40.4 |
| 82.5° | 35.6 | 39.7 | 43.8 | 41.3 | 36.6 | 33.4 | 31.7 | 30.4 | 30.4 | 30.4 | 30.4 |
| 85° | 17.3 | 19.4 | 21.6 | 20.8 | 19.1 | 17.0 | 14.4 | 12.4 | 12.0 | 11.5 | 12.0 |
| 87.5° | 5.8 | 8.4 | 11.3 | 11.8 | 11.3 | 10.6 | 10.3 | 10.4 | 10.8 | 10.8 | 10.8 |
| 90° | 5.8 | 13.5 | 23.2 | 31.0 | 36.8 | 38.7 | 38.7 | 40.6 | 42.6 | 42.6 | 42.6 |
| 92.5° | 21.3 | 33.7 | 34.0 | 34.0 | 41.4 | 44.9 | 48.0 | 48.4 | 50.3 | 50.3 | 50.3 |
| 95° | 60.0 | 65.8 | 98.7 | 96.7 | 65.8 | 52.2 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 97.5° | 114.5 | 123.0 | 128.5 | 172.2 | 181.9 | 175.7 | 143.2 | 120.3 | 107.6 | 101.8 | 107.6 |
| 100° | 162.5 | 166.4 | 178.0 | 179.9 | 228.3 | 274.7 | 251.5 | 222.5 | 212.8 | 207.0 | 212.8 |
| 102.5° | 210.5 | 212.8 | 230.6 | 238.7 | 250.0 | 276.3 | 356.7 | 347.8 | 341.3 | 340.1 | 341.3 |
| 105° | 282.5 | 284.4 | 317.3 | 332.8 | 340.5 | 340.5 | 338.6 | 377.3 | 439.2 | 452.7 | 439.2 |
| 107.5° | 359.5 | 368.4 | 407.0 | 448.4 | 457.3 | 459.7 | 449.6 | 443.8 | 441.5 | 443.0 | 441.5 |
| 110° | 412.1 | 425.6 | 472.1 | 524.3 | 537.8 | 541.7 | 537.8 | 532.0 | 528.2 | 528.2 | 528.2 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 463.2 | 482.9 | 535.5 | 595.5 | 618.3 | 629.9 | 621.4 | 617.2 | 613.3 | 616.4 | 613.3 |
| 115° | 541.7 | 570.7 | 640.4 | 702.3 | 748.7 | 754.5 | 752.6 | 752.6 | 750.6 | 750.6 | 750.6 |
| 117.5° | 614.4 | 660.9 | 739.0 | 811.0 | 864.8 | 880.3 | 888.0 | 885.7 | 883.4 | 887.2 | 883.4 |
| 120° | 665.5 | 719.7 | 808.7 | 889.9 | 942.2 | 965.4 | 973.1 | 969.3 | 973.1 | 969.3 | 973.1 |
| 122.5° | 719.7 | 786.2 | 873.7 | 958.0 | 1019.6 | 1045.9 | 1055.2 | 1055.9 | 1056.7 | 1054.4 | 1056.7 |
| 125° | 800.9 | 882.2 | 984.7 | 1071.8 | 1135.6 | 1166.6 | 1174.3 | 1176.3 | 1180.1 | 1189.8 | 1180.1 |
| 127.5° | 883.0 | 975.1 | 1087.7 | 1171.6 | 1237.0 | 1274.5 | 1286.5 | 1290.8 | 1298.9 | 1303.2 | 1298.9 |
| 130° | 940.2 | 1044.7 | 1158.8 | 1238.2 | 1302.0 | 1342.6 | 1363.9 | 1369.7 | 1379.4 | 1377.5 | 1379.4 |
| 132.5° | 1000.6 | 1109.7 | 1225.4 | 1307.8 | 1367.0 | 1410.7 | 1428.9 | 1445.6 | 1449.0 | 1451.8 | 1449.0 |
| 135° | 1089.2 | 1207.2 | 1323.3 | 1404.5 | 1460.7 | 1503.2 | 1526.4 | 1541.9 | 1551.6 | 1557.4 | 1551.6 |
| 137.5° | 1182.5 | 1307.0 | 1418.5 | 1490.8 | 1547.3 | 1584.1 | 1610.4 | 1626.6 | 1636.7 | 1641.3 | 1636.7 |
| 140° | 1245.9 | 1365.9 | 1474.2 | 1549.6 | 1599.9 | 1636.7 | 1659.9 | 1679.3 | 1690.9 | 1690.9 | 1690.9 |
| 142.5° | 1306.3 | 1424.7 | 1529.9 | 1605.4 | 1649.5 | 1683.1 | 1707.9 | 1722.6 | 1735.8 | 1735.8 | 1735.8 |
| 145° | 1391.0 | 1509.0 | 1605.8 | 1681.2 | 1718.0 | 1748.9 | 1776.0 | 1787.6 | 1795.3 | 1795.3 | 1795.3 |
| 147.5° | 1479.6 | 1584.1 | 1672.3 | 1744.7 | 1775.6 | 1812.0 | 1833.3 | 1842.6 | 1852.2 | 1848.0 | 1852.2 |
| 150° | 1532.2 | 1629.0 | 1714.1 | 1781.8 | 1812.8 | 1847.6 | 1868.9 | 1876.6 | 1886.3 | 1880.5 | 1886.3 |
| 152.5° | 1583.3 | 1675.4 | 1752.8 | 1815.9 | 1842.2 | 1877.0 | 1901.4 | 1909.1 | 1915.7 | 1911.4 | 1915.7 |
| 155° | 1652.2 | 1733.4 | 1805.0 | 1863.1 | 1886.3 | 1919.2 | 1942.4 | 1952.1 | 1959.8 | 1950.1 | 1959.8 |
| 157.5° | 1713.7 | 1783.7 | 1846.0 | 1899.4 | 1924.2 | 1952.4 | 1974.1 | 1986.1 | 1993.8 | 1989.6 | 1993.8 |
| 160° | 1750.8 | 1814.7 | 1870.8 | 1921.1 | 1944.3 | 1969.5 | 1992.7 | 2006.2 | 2014.0 | 2008.2 | 2014.0 |
| 162.5° | 1781.8 | 1839.5 | 1892.5 | 1938.1 | 1958.2 | 1980.3 | 2008.2 | 2020.2 | 2027.9 | 2020.5 | 2027.9 |
| 165° | 1826.3 | 1872.7 | 1919.2 | 1957.9 | 1975.3 | 1992.7 | 2021.7 | 2035.2 | 2041.0 | 2033.3 | 2041.0 |
| 167.5° | 1860.0 | 1895.6 | 1933.1 | 1966.4 | 1979.1 | 1996.2 | 2025.2 | 2036.4 | 2043.8 | 2034.1 | 2043.8 |
| 170° | 1878.5 | 1909.5 | 1942.4 | 1969.5 | 1979.1 | 1994.6 | 2023.6 | 2033.3 | 2039.1 | 2029.4 | 2039.1 |
| 172.5° | 1894.0 | 1917.2 | 1943.9 | 1967.9 | 1972.9 | 1985.3 | 2012.8 | 2022.5 | 2026.7 | 2018.6 | 2026.7 |
| 175° | 1909.5 | 1923.0 | 1942.4 | 1957.9 | 1955.9 | 1963.7 | 1986.9 | 1994.6 | 2002.4 | 1990.7 | 2002.4 |
| 177.5° | 1916.8 | 1923.0 | 1929.2 | 1938.5 | 1932.3 | 1932.3 | 1949.3 | 1954.0 | 1955.5 | 1949.3 | 1955.5 |
| 180° | 1915.3 | 1915.3 | 1915.3 | 1915.3 | 1915.3 | 1915.3 | 1915.3 | 1915.3 | 1915.3 | 1915.3 | 1915.3 |



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CATALOG NUMBER: SQ2W-PW1-K-150U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 |
| 2.5° | 1008.6 | 1008.1 | 1007.8 | 1009.5 | 1013.2 | 1014.6 | 1008.8 | 1003.0 | 1008.8 | 1014.6 | 1013.2 |
| 5° | 1008.9 | 1007.7 | 1007.2 | 1008.9 | 1012.8 | 1013.9 | 1006.6 | 999.3 | 1006.6 | 1013.9 | 1012.8 |
| 7.5° | 1008.5 | 1006.5 | 1005.0 | 1005.8 | 1008.7 | 1009.0 | 1001.7 | 994.3 | 1001.7 | 1009.0 | 1008.7 |
| 10° | 1006.9 | 1004.4 | 1002.3 | 1002.5 | 1005.1 | 1005.1 | 997.4 | 989.7 | 997.4 | 1005.1 | 1005.1 |
| 12.5° | 1003.8 | 1001.1 | 998.6 | 998.3 | 1000.2 | 999.6 | 991.6 | 983.5 | 991.6 | 999.6 | 1000.2 |
| 15° | 996.0 | 993.2 | 990.2 | 989.0 | 989.4 | 987.6 | 979.0 | 970.5 | 979.0 | 987.6 | 989.4 |
| 17.5° | 975.1 | 974.3 | 973.5 | 973.5 | 974.1 | 972.4 | 963.8 | 955.3 | 963.8 | 972.4 | 974.1 |
| 20° | 954.1 | 956.4 | 959.4 | 961.5 | 962.8 | 961.6 | 953.0 | 944.5 | 953.0 | 961.6 | 962.8 |
| 22.5° | 924.2 | 931.0 | 939.1 | 944.6 | 947.6 | 947.6 | 938.3 | 929.1 | 938.3 | 947.6 | 947.6 |
| 25° | 867.9 | 882.0 | 898.6 | 911.3 | 919.8 | 924.0 | 915.0 | 906.0 | 915.0 | 924.0 | 919.8 |
| 27.5° | 801.8 | 821.8 | 845.5 | 865.8 | 882.7 | 893.6 | 886.4 | 879.1 | 886.4 | 893.6 | 882.7 |
| 30° | 755.8 | 777.5 | 803.5 | 829.0 | 853.8 | 871.0 | 865.4 | 859.9 | 865.4 | 871.0 | 853.8 |
| 32.5° | 711.7 | 734.4 | 761.5 | 790.5 | 821.4 | 844.1 | 842.0 | 839.9 | 842.0 | 844.1 | 821.4 |
| 35° | 647.2 | 669.7 | 697.1 | 730.2 | 769.1 | 799.3 | 803.1 | 807.0 | 803.1 | 799.3 | 769.1 |
| 37.5° | 582.3 | 606.1 | 634.7 | 669.8 | 711.2 | 745.2 | 756.6 | 768.1 | 756.6 | 745.2 | 711.2 |
| 40° | 539.3 | 563.0 | 591.6 | 627.5 | 670.7 | 707.1 | 723.4 | 739.6 | 723.4 | 707.1 | 670.7 |
| 42.5° | 498.4 | 522.2 | 550.8 | 586.7 | 629.9 | 667.4 | 687.7 | 708.1 | 687.7 | 667.4 | 629.9 |
| 45° | 438.3 | 461.3 | 489.1 | 525.0 | 569.1 | 608.1 | 632.0 | 656.0 | 632.0 | 608.1 | 569.1 |
| 47.5° | 382.4 | 404.5 | 431.5 | 466.9 | 510.8 | 549.7 | 573.5 | 597.3 | 573.5 | 549.7 | 510.8 |
| 50° | 345.8 | 368.4 | 395.3 | 429.7 | 471.6 | 508.8 | 531.9 | 555.0 | 531.9 | 508.8 | 471.6 |
| 52.5° | 308.0 | 332.0 | 359.6 | 393.8 | 434.7 | 470.5 | 491.2 | 511.9 | 491.2 | 470.5 | 434.7 |
| 55° | 251.1 | 276.0 | 306.8 | 341.4 | 379.9 | 413.7 | 433.3 | 453.0 | 433.3 | 413.7 | 379.9 |
| 57.5° | 211.4 | 233.9 | 261.9 | 293.2 | 328.0 | 358.4 | 375.4 | 392.4 | 375.4 | 358.4 | 328.0 |
| 60° | 189.9 | 209.0 | 232.5 | 261.2 | 295.0 | 324.0 | 339.0 | 353.9 | 339.0 | 324.0 | 295.0 |
| 62.5° | 170.2 | 185.4 | 204.2 | 229.9 | 262.6 | 290.5 | 303.8 | 317.0 | 303.8 | 290.5 | 262.6 |
| 65° | 142.2 | 154.9 | 170.2 | 191.6 | 219.0 | 241.9 | 251.8 | 261.6 | 251.8 | 241.9 | 219.0 |
| 67.5° | 116.8 | 127.7 | 141.2 | 158.5 | 179.6 | 196.8 | 202.3 | 207.8 | 202.3 | 196.8 | 179.6 |
| 70° | 102.4 | 111.2 | 122.4 | 137.1 | 155.5 | 169.7 | 171.4 | 173.1 | 171.4 | 169.7 | 155.5 |
| 72.5° | 88.7 | 95.6 | 104.3 | 116.7 | 132.7 | 144.5 | 143.8 | 143.1 | 143.8 | 144.5 | 132.7 |
| 75° | 70.0 | 74.7 | 80.7 | 89.4 | 101.0 | 108.8 | 105.4 | 102.0 | 105.4 | 108.8 | 101.0 |
| 77.5° | 51.8 | 55.3 | 59.7 | 66.2 | 74.6 | 79.7 | 74.6 | 69.4 | 74.6 | 79.7 | 74.6 |
| 80° | 40.4 | 43.0 | 46.4 | 51.3 | 57.7 | 61.2 | 56.1 | 51.0 | 56.1 | 61.2 | 57.7 |
| 82.5° | 30.4 | 31.7 | 33.4 | 36.6 | 41.3 | 43.8 | 39.7 | 35.6 | 39.7 | 43.8 | 41.3 |
| 85° | 12.4 | 14.4 | 17.0 | 19.1 | 20.8 | 21.6 | 19.4 | 17.3 | 19.4 | 21.6 | 20.8 |
| 87.5° | 10.4 | 10.3 | 10.6 | 11.3 | 11.8 | 11.3 | 8.4 | 5.8 | 8.4 | 10.9 | 12.6 |
| 90° | 40.6 | 38.7 | 38.7 | 36.8 | 31.0 | 23.2 | 13.5 | 5.8 | 13.5 | 21.3 | 34.8 |
| 92.5° | 48.4 | 48.0 | 44.9 | 41.4 | 34.0 | 34.0 | 33.7 | 21.3 | 36.8 | 52.2 | 75.1 |
| 95° | 44.5 | 44.5 | 52.2 | 65.8 | 96.7 | 98.7 | 65.8 | 60.0 | 85.1 | 119.9 | 150.9 |
| 97.5° | 120.3 | 143.2 | 175.7 | 181.9 | 172.2 | 128.5 | 123.0 | 114.5 | 155.9 | 190.4 | 240.3 |
| 100° | 222.5 | 251.5 | 274.7 | 228.3 | 179.9 | 178.0 | 166.4 | 162.5 | 207.0 | 239.9 | 288.3 |
| 102.5° | 347.8 | 356.7 | 276.3 | 250.0 | 238.7 | 230.6 | 212.8 | 210.5 | 255.0 | 300.3 | 340.9 |
| 105° | 377.3 | 338.6 | 340.5 | 340.5 | 332.8 | 317.3 | 284.4 | 282.5 | 332.8 | 385.0 | 435.3 |
| 107.5° | 443.8 | 449.6 | 459.7 | 457.3 | 448.4 | 407.0 | 368.4 | 359.5 | 404.7 | 467.4 | 522.7 |
| 110° | 532.0 | 537.8 | 541.7 | 537.8 | 524.3 | 472.1 | 425.6 | 412.1 | 452.7 | 518.5 | 578.5 |



TEST NUMBER: P1428470

CATALOG NUMBER: SQ2W-PW1-K-150U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 617.2 | 621.4 | 629.9 | 618.3 | 595.5 | 535.5 | 482.9 | 463.2 | 503.8 | 571.1 | 632.6 |
| 115° | 752.6 | 752.6 | 754.5 | 748.7 | 702.3 | 640.4 | 570.7 | 541.7 | 576.5 | 638.4 | 706.1 |
| 117.5° | 885.7 | 888.0 | 880.3 | 864.8 | 811.0 | 739.0 | 660.9 | 614.4 | 641.9 | 707.3 | 777.0 |
| 120° | 969.3 | 973.1 | 965.4 | 942.2 | 889.9 | 808.7 | 719.7 | 665.5 | 686.8 | 750.6 | 820.3 |
| 122.5° | 1055.9 | 1055.2 | 1045.9 | 1019.6 | 958.0 | 873.7 | 786.2 | 719.7 | 728.6 | 787.8 | 855.9 |
| 125° | 1176.3 | 1174.3 | 1166.6 | 1135.6 | 1071.8 | 984.7 | 882.2 | 800.9 | 789.3 | 839.6 | 909.3 |
| 127.5° | 1290.8 | 1286.5 | 1274.5 | 1237.0 | 1171.6 | 1087.7 | 975.1 | 883.0 | 857.0 | 888.8 | 952.6 |
| 130° | 1369.7 | 1363.9 | 1342.6 | 1302.0 | 1238.2 | 1158.8 | 1044.7 | 940.2 | 903.5 | 922.8 | 978.9 |
| 132.5° | 1445.6 | 1428.9 | 1410.7 | 1367.0 | 1307.8 | 1225.4 | 1109.7 | 1000.6 | 949.9 | 958.4 | 1002.1 |
| 135° | 1541.9 | 1526.4 | 1503.2 | 1460.7 | 1404.5 | 1323.3 | 1207.2 | 1089.2 | 1019.6 | 1011.8 | 1037.0 |
| 137.5° | 1626.6 | 1610.4 | 1584.1 | 1547.3 | 1490.8 | 1418.5 | 1307.0 | 1182.5 | 1094.6 | 1068.7 | 1078.4 |
| 140° | 1679.3 | 1659.9 | 1636.7 | 1599.9 | 1549.6 | 1474.2 | 1365.9 | 1245.9 | 1147.2 | 1110.5 | 1104.7 |
| 142.5° | 1722.6 | 1707.9 | 1683.1 | 1649.5 | 1605.4 | 1529.9 | 1424.7 | 1306.3 | 1201.4 | 1153.8 | 1140.3 |
| 145° | 1787.6 | 1776.0 | 1748.9 | 1718.0 | 1681.2 | 1605.8 | 1509.0 | 1391.0 | 1286.5 | 1224.6 | 1195.6 |
| 147.5° | 1842.6 | 1833.3 | 1812.0 | 1775.6 | 1744.7 | 1672.3 | 1584.1 | 1479.6 | 1372.4 | 1295.8 | 1258.3 |
| 150° | 1876.6 | 1868.9 | 1847.6 | 1812.8 | 1781.8 | 1714.1 | 1629.0 | 1532.2 | 1429.7 | 1348.4 | 1300.1 |
| 152.5° | 1909.1 | 1901.4 | 1877.0 | 1842.2 | 1815.9 | 1752.8 | 1675.4 | 1583.3 | 1479.2 | 1398.0 | 1348.1 |
| 155° | 1952.1 | 1942.4 | 1919.2 | 1886.3 | 1863.1 | 1805.0 | 1733.4 | 1652.2 | 1563.2 | 1478.1 | 1422.0 |
| 157.5° | 1986.1 | 1974.1 | 1952.4 | 1924.2 | 1899.4 | 1846.0 | 1783.7 | 1713.7 | 1635.9 | 1554.7 | 1497.4 |
| 160° | 2006.2 | 1992.7 | 1969.5 | 1944.3 | 1921.1 | 1870.8 | 1814.7 | 1750.8 | 1679.3 | 1605.8 | 1543.8 |
| 162.5° | 2020.2 | 2008.2 | 1980.3 | 1958.2 | 1938.1 | 1892.5 | 1839.5 | 1781.8 | 1718.0 | 1653.7 | 1596.5 |
| 165° | 2035.2 | 2021.7 | 1992.7 | 1975.3 | 1957.9 | 1919.2 | 1872.7 | 1826.3 | 1772.1 | 1719.9 | 1673.5 |
| 167.5° | 2036.4 | 2025.2 | 1996.2 | 1979.1 | 1966.4 | 1933.1 | 1895.6 | 1860.0 | 1817.8 | 1776.8 | 1738.1 |
| 170° | 2033.3 | 2023.6 | 1994.6 | 1979.1 | 1969.5 | 1942.4 | 1909.5 | 1878.5 | 1845.6 | 1810.8 | 1779.9 |
| 172.5° | 2022.5 | 2012.8 | 1985.3 | 1972.9 | 1967.9 | 1943.9 | 1917.2 | 1894.0 | 1865.8 | 1840.2 | 1815.5 |
| 175° | 1994.6 | 1986.9 | 1963.7 | 1955.9 | 1957.9 | 1942.4 | 1923.0 | 1909.5 | 1892.1 | 1876.6 | 1863.1 |
| 177.5° | 1954.0 | 1949.3 | 1932.3 | 1932.3 | 1938.5 | 1929.2 | 1923.0 | 1916.8 | 1909.1 | 1904.5 | 1899.8 |
| 180° | 1915.3 | 1915.3 | 1915.3 | 1915.3 | 1915.3 | 1915.3 | 1915.3 | 1915.3 | 1915.3 | 1915.3 | 1915.3 |



TEST NUMBER: P1428470

CATALOG NUMBER: SQ2W-PW1-K-150U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 |
| 2.5° | 1009.5 | 1007.8 | 1008.1 | 1008.6 | 1009.6 | 1010.7 | 1009.6 | 1008.6 | 1008.1 | 1007.8 | 1009.5 |
| 5° | 1008.9 | 1007.2 | 1007.7 | 1008.9 | 1012.8 | 1016.6 | 1012.8 | 1008.9 | 1007.7 | 1007.2 | 1008.9 |
| 7.5° | 1005.8 | 1005.0 | 1006.5 | 1008.5 | 1012.3 | 1016.1 | 1012.3 | 1008.5 | 1006.5 | 1005.0 | 1005.8 |
| 10° | 1002.5 | 1002.3 | 1004.4 | 1006.9 | 1010.3 | 1013.7 | 1010.3 | 1006.9 | 1004.4 | 1002.3 | 1002.5 |
| 12.5° | 998.3 | 998.6 | 1001.1 | 1003.8 | 1007.2 | 1010.7 | 1007.2 | 1003.8 | 1001.1 | 998.6 | 998.3 |
| 15° | 989.0 | 990.2 | 993.2 | 996.0 | 998.1 | 1000.3 | 998.1 | 996.0 | 993.2 | 990.2 | 989.0 |
| 17.5° | 973.5 | 973.5 | 974.3 | 975.1 | 976.2 | 977.2 | 976.2 | 975.1 | 974.3 | 973.5 | 973.5 |
| 20° | 961.5 | 959.4 | 956.4 | 954.1 | 954.1 | 954.1 | 954.1 | 954.1 | 956.4 | 959.4 | 961.5 |
| 22.5° | 944.6 | 939.1 | 931.0 | 924.2 | 921.5 | 918.7 | 921.5 | 924.2 | 931.0 | 939.1 | 944.6 |
| 25° | 911.3 | 898.6 | 882.0 | 867.9 | 861.5 | 855.0 | 861.5 | 867.9 | 882.0 | 898.6 | 911.3 |
| 27.5° | 865.8 | 845.5 | 821.8 | 801.8 | 793.0 | 784.1 | 793.0 | 801.8 | 821.8 | 845.5 | 865.8 |
| 30° | 829.0 | 803.5 | 777.5 | 755.8 | 747.2 | 738.7 | 747.2 | 755.8 | 777.5 | 803.5 | 829.0 |
| 32.5° | 790.5 | 761.5 | 734.4 | 711.7 | 702.5 | 693.3 | 702.5 | 711.7 | 734.4 | 761.5 | 790.5 |
| 35° | 730.2 | 697.1 | 669.7 | 647.2 | 639.1 | 630.9 | 639.1 | 647.2 | 669.7 | 697.1 | 730.2 |
| 37.5° | 669.8 | 634.7 | 606.1 | 582.3 | 573.4 | 564.4 | 573.4 | 582.3 | 606.1 | 634.7 | 669.8 |
| 40° | 627.5 | 591.6 | 563.0 | 539.3 | 530.3 | 521.3 | 530.3 | 539.3 | 563.0 | 591.6 | 627.5 |
| 42.5° | 586.7 | 550.8 | 522.2 | 498.4 | 489.1 | 479.8 | 489.1 | 498.4 | 522.2 | 550.8 | 586.7 |
| 45° | 525.0 | 489.1 | 461.3 | 438.3 | 429.3 | 420.3 | 429.3 | 438.3 | 461.3 | 489.1 | 525.0 |
| 47.5° | 466.9 | 431.5 | 404.5 | 382.4 | 374.7 | 367.0 | 374.7 | 382.4 | 404.5 | 431.5 | 466.9 |
| 50° | 429.7 | 395.3 | 368.4 | 345.8 | 336.4 | 327.0 | 336.4 | 345.8 | 368.4 | 395.3 | 429.7 |
| 52.5° | 393.8 | 359.6 | 332.0 | 308.0 | 295.2 | 282.4 | 295.2 | 308.0 | 332.0 | 359.6 | 393.8 |
| 55° | 341.4 | 306.8 | 276.0 | 251.1 | 243.9 | 236.6 | 243.9 | 251.1 | 276.0 | 306.8 | 341.4 |
| 57.5° | 293.2 | 261.9 | 233.9 | 211.4 | 205.5 | 199.5 | 205.5 | 211.4 | 233.9 | 261.9 | 293.2 |
| 60° | 261.2 | 232.5 | 209.0 | 189.9 | 183.9 | 177.9 | 183.9 | 189.9 | 209.0 | 232.5 | 261.2 |
| 62.5° | 229.9 | 204.2 | 185.4 | 170.2 | 165.2 | 160.2 | 165.2 | 170.2 | 185.4 | 204.2 | 229.9 |
| 65° | 191.6 | 170.2 | 154.9 | 142.2 | 138.0 | 133.7 | 138.0 | 142.2 | 154.9 | 170.2 | 191.6 |
| 67.5° | 158.5 | 141.2 | 127.7 | 116.8 | 114.0 | 111.2 | 114.0 | 116.8 | 127.7 | 141.2 | 158.5 |
| 70° | 137.1 | 122.4 | 111.2 | 102.4 | 100.2 | 98.1 | 100.2 | 102.4 | 111.2 | 122.4 | 137.1 |
| 72.5° | 116.7 | 104.3 | 95.6 | 88.7 | 87.2 | 85.8 | 87.2 | 88.7 | 95.6 | 104.3 | 116.7 |
| 75° | 89.4 | 80.7 | 74.7 | 70.0 | 69.1 | 68.3 | 69.1 | 70.0 | 74.7 | 80.7 | 89.4 |
| 77.5° | 66.2 | 59.7 | 55.3 | 51.8 | 51.1 | 50.4 | 51.1 | 51.8 | 55.3 | 59.7 | 66.2 |
| 80° | 51.3 | 46.4 | 43.0 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 43.0 | 46.4 | 51.3 |
| 82.5° | 36.6 | 33.4 | 31.7 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 31.7 | 33.4 | 36.6 |
| 85° | 19.1 | 17.0 | 14.4 | 12.4 | 12.0 | 11.5 | 12.0 | 12.4 | 14.4 | 17.0 | 19.1 |
| 87.5° | 12.8 | 14.5 | 16.9 | 18.2 | 19.7 | 18.9 | 19.7 | 18.2 | 16.9 | 14.5 | 12.8 |
| 90° | 44.5 | 58.0 | 71.6 | 79.3 | 87.1 | 83.2 | 87.1 | 79.3 | 71.6 | 58.0 | 44.5 |
| 92.5° | 89.4 | 112.2 | 128.8 | 142.8 | 149.0 | 148.2 | 149.0 | 142.8 | 128.8 | 112.2 | 89.4 |
| 95° | 179.9 | 207.0 | 234.1 | 253.4 | 265.0 | 261.2 | 265.0 | 253.4 | 234.1 | 207.0 | 179.9 |
| 97.5° | 277.4 | 313.8 | 344.0 | 362.2 | 373.8 | 381.5 | 373.8 | 362.2 | 344.0 | 313.8 | 277.4 |
| 100° | 342.4 | 377.3 | 412.1 | 433.4 | 452.7 | 460.4 | 452.7 | 433.4 | 412.1 | 377.3 | 342.4 |
| 102.5° | 395.1 | 440.7 | 478.6 | 501.5 | 517.7 | 525.4 | 517.7 | 501.5 | 478.6 | 440.7 | 395.1 |
| 105° | 481.7 | 530.1 | 570.7 | 599.7 | 617.2 | 623.0 | 617.2 | 599.7 | 570.7 | 530.1 | 481.7 |
| 107.5° | 568.4 | 618.3 | 655.8 | 688.0 | 709.2 | 721.6 | 709.2 | 688.0 | 655.8 | 618.3 | 568.4 |
| 110° | 636.5 | 677.1 | 717.8 | 746.8 | 768.1 | 775.8 | 768.1 | 746.8 | 717.8 | 677.1 | 636.5 |



TEST NUMBER: P1428470

CATALOG NUMBER: SQ2W-PW1-K-150U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 693.8 | 739.0 | 779.7 | 808.7 | 833.1 | 843.9 | 833.1 | 808.7 | 779.7 | 739.0 | 693.8 |
| 115° | 773.9 | 833.8 | 870.6 | 897.7 | 915.1 | 924.8 | 915.1 | 897.7 | 870.6 | 833.8 | 773.9 |
| 117.5° | 840.4 | 903.1 | 943.3 | 964.2 | 972.4 | 979.3 | 972.4 | 964.2 | 943.3 | 903.1 | 840.4 |
| 120° | 882.2 | 940.2 | 986.7 | 1013.8 | 1023.4 | 1027.3 | 1023.4 | 1013.8 | 986.7 | 940.2 | 882.2 |
| 122.5° | 920.9 | 975.8 | 1020.7 | 1054.0 | 1069.9 | 1073.7 | 1069.9 | 1054.0 | 1020.7 | 975.8 | 920.9 |
| 125° | 975.1 | 1027.3 | 1073.7 | 1106.6 | 1124.0 | 1133.7 | 1124.0 | 1106.6 | 1073.7 | 1027.3 | 975.1 |
| 127.5° | 1022.3 | 1078.8 | 1121.3 | 1151.1 | 1168.1 | 1175.9 | 1168.1 | 1151.1 | 1121.3 | 1078.8 | 1022.3 |
| 130° | 1048.6 | 1106.6 | 1149.2 | 1182.1 | 1197.5 | 1205.3 | 1197.5 | 1182.1 | 1149.2 | 1106.6 | 1048.6 |
| 132.5° | 1068.7 | 1129.8 | 1173.9 | 1203.7 | 1220.8 | 1228.5 | 1220.8 | 1203.7 | 1173.9 | 1129.8 | 1068.7 |
| 135° | 1093.1 | 1156.9 | 1203.3 | 1232.4 | 1247.8 | 1255.6 | 1247.8 | 1232.4 | 1203.3 | 1156.9 | 1093.1 |
| 137.5° | 1114.4 | 1172.4 | 1220.8 | 1251.3 | 1265.3 | 1270.3 | 1265.3 | 1251.3 | 1220.8 | 1172.4 | 1114.4 |
| 140° | 1129.8 | 1180.1 | 1228.5 | 1257.5 | 1273.0 | 1274.9 | 1273.0 | 1257.5 | 1228.5 | 1180.1 | 1129.8 |
| 142.5° | 1150.0 | 1189.4 | 1231.6 | 1260.6 | 1276.1 | 1279.6 | 1276.1 | 1260.6 | 1231.6 | 1189.4 | 1150.0 |
| 145° | 1185.9 | 1209.2 | 1238.2 | 1265.3 | 1278.8 | 1282.7 | 1278.8 | 1265.3 | 1238.2 | 1209.2 | 1185.9 |
| 147.5° | 1231.2 | 1238.6 | 1253.6 | 1271.4 | 1284.6 | 1287.3 | 1284.6 | 1271.4 | 1253.6 | 1238.6 | 1231.2 |
| 150° | 1265.3 | 1263.3 | 1269.1 | 1280.7 | 1292.3 | 1290.4 | 1292.3 | 1280.7 | 1269.1 | 1263.3 | 1265.3 |
| 152.5° | 1303.9 | 1292.7 | 1292.3 | 1297.8 | 1303.2 | 1302.8 | 1303.2 | 1297.8 | 1292.3 | 1292.7 | 1303.9 |
| 155° | 1369.7 | 1348.4 | 1336.8 | 1333.0 | 1333.0 | 1331.0 | 1333.0 | 1333.0 | 1336.8 | 1348.4 | 1369.7 |
| 157.5° | 1442.1 | 1412.3 | 1394.9 | 1385.6 | 1382.9 | 1378.6 | 1382.9 | 1385.6 | 1394.9 | 1412.3 | 1442.1 |
| 160° | 1491.6 | 1458.7 | 1441.3 | 1425.8 | 1420.0 | 1414.2 | 1420.0 | 1425.8 | 1441.3 | 1458.7 | 1491.6 |
| 162.5° | 1538.0 | 1506.7 | 1487.7 | 1473.8 | 1468.0 | 1459.1 | 1468.0 | 1473.8 | 1487.7 | 1506.7 | 1538.0 |
| 165° | 1613.5 | 1580.6 | 1559.3 | 1547.7 | 1540.0 | 1532.2 | 1540.0 | 1547.7 | 1559.3 | 1580.6 | 1613.5 |
| 167.5° | 1688.9 | 1653.0 | 1639.0 | 1625.9 | 1618.5 | 1604.6 | 1618.5 | 1625.9 | 1639.0 | 1653.0 | 1688.9 |
| 170° | 1735.4 | 1702.5 | 1694.7 | 1683.1 | 1669.6 | 1654.1 | 1669.6 | 1683.1 | 1694.7 | 1702.5 | 1735.4 |
| 172.5° | 1775.6 | 1753.6 | 1745.8 | 1734.2 | 1730.0 | 1717.6 | 1730.0 | 1734.2 | 1745.8 | 1753.6 | 1775.6 |
| 175° | 1834.0 | 1816.6 | 1816.6 | 1814.7 | 1808.9 | 1797.3 | 1808.9 | 1814.7 | 1816.6 | 1816.6 | 1834.0 |
| 177.5° | 1882.8 | 1873.5 | 1879.7 | 1879.7 | 1878.1 | 1867.3 | 1878.1 | 1879.7 | 1879.7 | 1873.5 | 1882.8 |
| 180° | 1915.3 | 1915.3 | 1915.3 | 1915.3 | 1915.3 | 1915.3 | 1915.3 | 1915.3 | 1915.3 | 1915.3 | 1915.3 |



TEST NUMBER: P1428470

CATALOG NUMBER: SQ2W-PW1-K-150U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|
| 0° | 1009.9 | 1009.9 | 1009.9 | 1009.9 |
| 2.5° | 1013.2 | 1014.6 | 1008.8 | 1003.0 |
| 5° | 1012.8 | 1013.9 | 1006.6 | 999.3 |
| 7.5° | 1008.7 | 1009.0 | 1001.7 | 994.3 |
| 10° | 1005.1 | 1005.1 | 997.4 | 989.7 |
| 12.5° | 1000.2 | 999.6 | 991.6 | 983.5 |
| 15° | 989.4 | 987.6 | 979.0 | 970.5 |
| 17.5° | 974.1 | 972.4 | 963.8 | 955.3 |
| 20° | 962.8 | 961.6 | 953.0 | 944.5 |
| 22.5° | 947.6 | 947.6 | 938.3 | 929.1 |
| 25° | 919.8 | 924.0 | 915.0 | 906.0 |
| 27.5° | 882.7 | 893.6 | 886.4 | 879.1 |
| 30° | 853.8 | 871.0 | 865.4 | 859.9 |
| 32.5° | 821.4 | 844.1 | 842.0 | 839.9 |
| 35° | 769.1 | 799.3 | 803.1 | 807.0 |
| 37.5° | 711.2 | 745.2 | 756.6 | 768.1 |
| 40° | 670.7 | 707.1 | 723.4 | 739.6 |
| 42.5° | 629.9 | 667.4 | 687.7 | 708.1 |
| 45° | 569.1 | 608.1 | 632.0 | 656.0 |
| 47.5° | 510.8 | 549.7 | 573.5 | 597.3 |
| 50° | 471.6 | 508.8 | 531.9 | 555.0 |
| 52.5° | 434.7 | 470.5 | 491.2 | 511.9 |
| 55° | 379.9 | 413.7 | 433.3 | 453.0 |
| 57.5° | 328.0 | 358.4 | 375.4 | 392.4 |
| 60° | 295.0 | 324.0 | 339.0 | 353.9 |
| 62.5° | 262.6 | 290.5 | 303.8 | 317.0 |
| 65° | 219.0 | 241.9 | 251.8 | 261.6 |
| 67.5° | 179.6 | 196.8 | 202.3 | 207.8 |
| 70° | 155.5 | 169.7 | 171.4 | 173.1 |
| 72.5° | 132.7 | 144.5 | 143.8 | 143.1 |
| 75° | 101.0 | 108.8 | 105.4 | 102.0 |
| 77.5° | 74.6 | 79.7 | 74.6 | 69.4 |
| 80° | 57.7 | 61.2 | 56.1 | 51.0 |
| 82.5° | 41.3 | 43.8 | 39.7 | 35.6 |
| 85° | 20.8 | 21.6 | 19.4 | 17.3 |
| 87.5° | 12.6 | 10.9 | 8.4 | 5.8 |
| 90° | 34.8 | 21.3 | 13.5 | 5.8 |
| 92.5° | 75.1 | 52.2 | 36.8 | 21.3 |
| 95° | 150.9 | 119.9 | 85.1 | 60.0 |
| 97.5° | 240.3 | 190.4 | 155.9 | 114.5 |
| 100° | 288.3 | 239.9 | 207.0 | 162.5 |
| 102.5° | 340.9 | 300.3 | 255.0 | 210.5 |
| 105° | 435.3 | 385.0 | 332.8 | 282.5 |
| 107.5° | 522.7 | 467.4 | 404.7 | 359.5 |
| 110° | 578.5 | 518.5 | 452.7 | 412.1 |

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CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|
| 112.5° | 632.6 | 571.1 | 503.8 | 463.2 |
| 115° | 706.1 | 638.4 | 576.5 | 541.7 |
| 117.5° | 777.0 | 707.3 | 641.9 | 614.4 |
| 120° | 820.3 | 750.6 | 686.8 | 665.5 |
| 122.5° | 855.9 | 787.8 | 728.6 | 719.7 |
| 125° | 909.3 | 839.6 | 789.3 | 800.9 |
| 127.5° | 952.6 | 888.8 | 857.0 | 883.0 |
| 130° | 978.9 | 922.8 | 903.5 | 940.2 |
| 132.5° | 1002.1 | 958.4 | 949.9 | 1000.6 |
| 135° | 1037.0 | 1011.8 | 1019.6 | 1089.2 |
| 137.5° | 1078.4 | 1068.7 | 1094.6 | 1182.5 |
| 140° | 1104.7 | 1110.5 | 1147.2 | 1245.9 |
| 142.5° | 1140.3 | 1153.8 | 1201.4 | 1306.3 |
| 145° | 1195.6 | 1224.6 | 1286.5 | 1391.0 |
| 147.5° | 1258.3 | 1295.8 | 1372.4 | 1479.6 |
| 150° | 1300.1 | 1348.4 | 1429.7 | 1532.2 |
| 152.5° | 1348.1 | 1398.0 | 1479.2 | 1583.3 |
| 155° | 1422.0 | 1478.1 | 1563.2 | 1652.2 |
| 157.5° | 1497.4 | 1554.7 | 1635.9 | 1713.7 |
| 160° | 1543.8 | 1605.8 | 1679.3 | 1750.8 |
| 162.5° | 1596.5 | 1653.7 | 1718.0 | 1781.8 |
| 165° | 1673.5 | 1719.9 | 1772.1 | 1826.3 |
| 167.5° | 1738.1 | 1776.8 | 1817.8 | 1860.0 |
| 170° | 1779.9 | 1810.8 | 1845.6 | 1878.5 |
| 172.5° | 1815.5 | 1840.2 | 1865.8 | 1894.0 |
| 175° | 1863.1 | 1876.6 | 1892.1 | 1909.5 |
| 177.5° | 1899.8 | 1904.5 | 1909.1 | 1916.8 |
| 180° | 1915.3 | 1915.3 | 1915.3 | 1915.3 |



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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 | 14.19 | 14.87 | 15.31 | 15.98 | 17.53 | 10.43 | 11.11 | 11.56 | 12.23 | 13.78 |
| | 3H | 15.48 | 16.08 | 16.61 | 17.21 | 18.77 | 11.69 | 12.30 | 12.82 | 13.42 | 14.99 |
| | 4H | 15.87 | 16.45 | 17.02 | 17.58 | 19.15 | 12.19 | 12.76 | 13.33 | 13.89 | 15.46 |
| | 6H | 16.05 | 16.58 | 17.20 | 17.70 | 19.28 | 12.49 | 13.02 | 13.64 | 14.14 | 15.72 |
| | 8H | 16.08 | 16.59 | 17.24 | 17.73 | 19.30 | 12.60 | 13.10 | 13.75 | 14.24 | 15.81 |
| | 12H | 16.08 | 16.56 | 17.24 | 17.69 | 19.29 | 12.62 | 13.10 | 13.78 | 14.23 | 15.83 |
| 4H | 2H | 14.30 | 14.87 | 15.45 | 16.00 | 17.57 | 11.22 | 11.80 | 12.37 | 12.92 | 14.49 |
| | 3H | 15.82 | 16.30 | 16.98 | 17.45 | 19.03 | 12.65 | 13.13 | 13.81 | 14.28 | 15.86 |
| | 4H | 16.36 | 16.80 | 17.52 | 17.94 | 19.54 | 13.22 | 13.66 | 14.38 | 14.80 | 16.40 |
| | 6H | 16.66 | 17.04 | 17.82 | 18.20 | 19.79 | 13.60 | 13.97 | 14.76 | 15.14 | 16.73 |
| | 8H | 16.75 | 17.10 | 17.91 | 18.25 | 19.86 | 13.74 | 14.10 | 14.91 | 15.25 | 16.86 |
| | 12H | 16.76 | 17.08 | 17.94 | 18.24 | 19.86 | 13.78 | 14.10 | 14.96 | 15.26 | 16.87 |
| 8H | 4H | 16.38 | 16.73 | 17.55 | 17.89 | 19.50 | 13.55 | 13.90 | 14.72 | 15.06 | 16.67 |
| | 6H | 16.80 | 17.09 | 17.98 | 18.28 | 19.89 | 14.04 | 14.33 | 15.22 | 15.53 | 17.13 |
| | 8H | 16.97 | 17.22 | 18.16 | 18.40 | 20.02 | 14.26 | 14.51 | 15.45 | 15.68 | 17.31 |
| | 12H | 17.04 | 17.26 | 18.23 | 18.43 | 20.09 | 14.33 | 14.56 | 15.53 | 15.73 | 17.39 |
| 12H | 4H | 16.33 | 16.65 | 17.51 | 17.82 | 19.43 | 13.56 | 13.88 | 14.74 | 15.05 | 16.66 |
| | 6H | 16.79 | 17.04 | 17.98 | 18.22 | 19.84 | 14.11 | 14.37 | 15.30 | 15.54 | 17.17 |
| | 8H | 16.97 | 17.20 | 18.17 | 18.37 | 20.03 | 14.35 | 14.57 | 15.54 | 15.74 | 17.40 |