

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: P1428397

Luminaire Tested: SQ2W-PW1-K-075U-050D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428397
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-075U-050D-L840-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 750 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

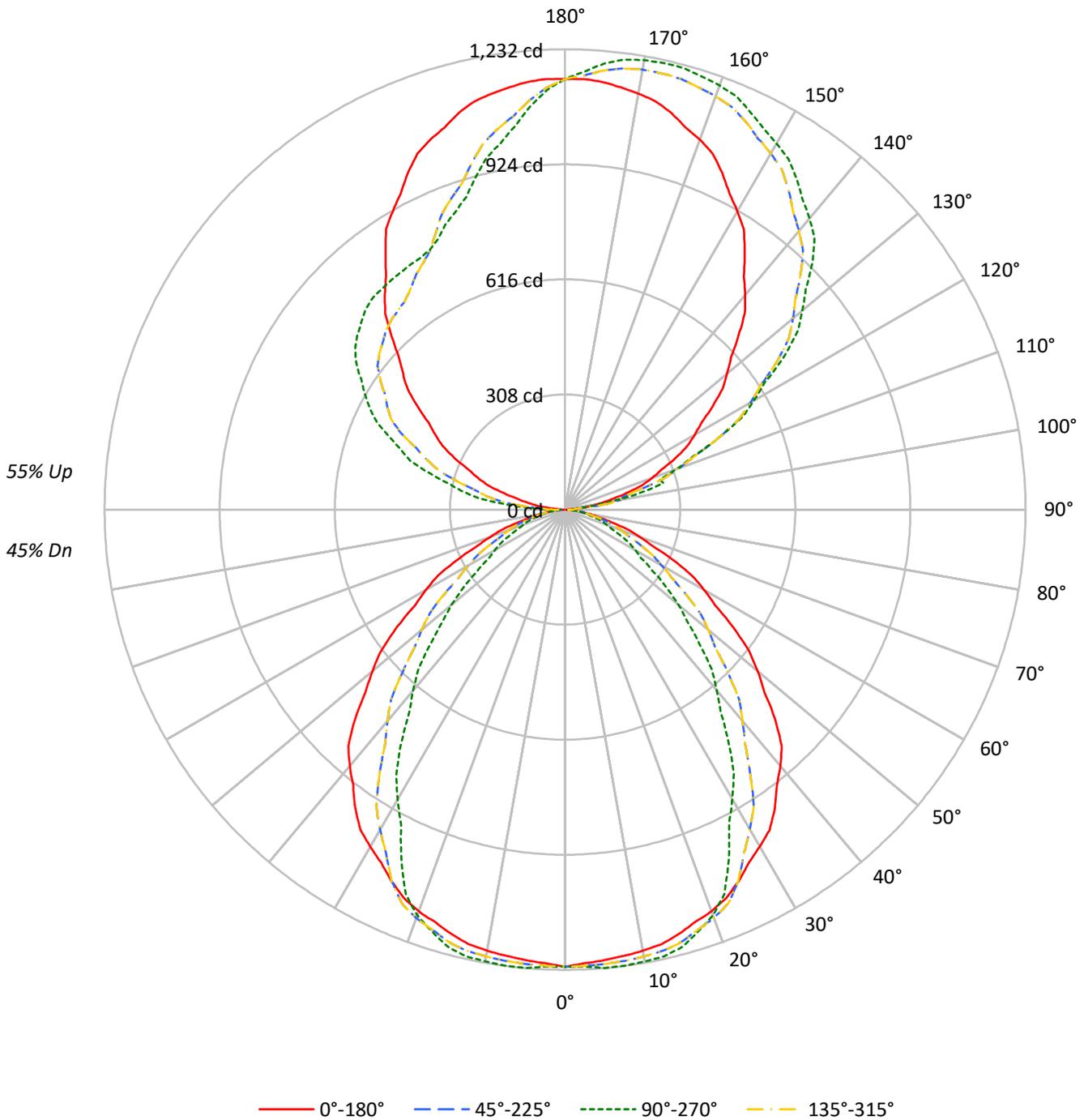
Lumens per Lamp: N/A
Luminaire Lumens: 6085.3 lumens
Efficiency: N/A
Efficacy: 147.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 41.4
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: P1428397

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L840-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1428397

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L840-UNV-STD-W-WM-4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 51 | 51 | 51 | 45 |
| 1 | 97 | 93 | 89 | 86 | 89 | 85 | 82 | 79 | 71 | 69 | 67 | 58 | 57 | 55 | 46 | 45 | 44 | 39 |
| 2 | 89 | 82 | 76 | 71 | 81 | 75 | 70 | 66 | 63 | 59 | 56 | 52 | 49 | 47 | 41 | 40 | 38 | 33 |
| 3 | 81 | 72 | 65 | 60 | 74 | 67 | 61 | 56 | 56 | 52 | 48 | 46 | 43 | 40 | 37 | 35 | 33 | 29 |
| 4 | 75 | 64 | 57 | 51 | 68 | 59 | 53 | 48 | 50 | 45 | 41 | 41 | 38 | 35 | 33 | 31 | 29 | 25 |
| 5 | 69 | 57 | 50 | 44 | 63 | 53 | 46 | 41 | 45 | 40 | 36 | 37 | 34 | 31 | 30 | 28 | 25 | 22 |
| 6 | 63 | 52 | 44 | 38 | 58 | 48 | 41 | 36 | 41 | 35 | 31 | 34 | 30 | 27 | 28 | 25 | 23 | 20 |
| 7 | 59 | 47 | 39 | 34 | 54 | 43 | 37 | 32 | 37 | 32 | 28 | 31 | 27 | 24 | 25 | 22 | 20 | 18 |
| 8 | 54 | 43 | 35 | 30 | 50 | 40 | 33 | 28 | 34 | 29 | 25 | 28 | 24 | 21 | 23 | 20 | 18 | 16 |
| 9 | 51 | 39 | 32 | 27 | 47 | 36 | 30 | 25 | 31 | 26 | 22 | 26 | 22 | 19 | 22 | 19 | 17 | 14 |
| 10 | 47 | 36 | 29 | 24 | 44 | 33 | 27 | 23 | 29 | 24 | 20 | 24 | 20 | 18 | 20 | 17 | 15 | 13 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 19757 | 19757 | 19757 | 19757 |
| 5° | 19625 | 19964 | 19625 | 19964 |
| 10° | 19660 | 20138 | 19660 | 20138 |
| 15° | 19655 | 20259 | 19655 | 20259 |
| 20° | 19663 | 19864 | 19663 | 19864 |
| 25° | 19557 | 18458 | 19557 | 18458 |
| 30° | 19424 | 16686 | 19424 | 16686 |
| 35° | 19273 | 15068 | 19273 | 15068 |
| 40° | 18889 | 13314 | 18889 | 13314 |
| 45° | 18148 | 11629 | 18148 | 11629 |
| 50° | 16889 | 9952 | 16889 | 9952 |
| 55° | 15451 | 8070 | 15451 | 8070 |
| 60° | 13850 | 6962 | 13850 | 6962 |
| 65° | 12111 | 6189 | 12111 | 6189 |
| 70° | 9904 | 5613 | 9904 | 5613 |
| 75° | 7704 | 5159 | 7704 | 5159 |
| 80° | 5746 | 4547 | 5746 | 4547 |
| 85° | 3890 | 2593 | 3890 | 2593 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18148 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 116.5 | 1.9 |
| 10°-20° | 337.6 | 5.5 |
| 20°-30° | 496.8 | 8.2 |
| 30°-40° | 543.2 | 8.9 |
| 40°-50° | 487.3 | 8.0 |
| 50°-60° | 363.5 | 6.0 |
| 60°-70° | 229.8 | 3.8 |
| 70°-80° | 113.8 | 1.9 |
| 80°-90° | 31.4 | 0.5 |
| 90°-100° | 91.7 | 1.5 |
| 100°-110° | 267.5 | 4.4 |
| 110°-120° | 436.5 | 7.2 |
| 120°-130° | 553.9 | 9.1 |
| 130°-140° | 592.7 | 9.7 |
| 140°-150° | 553.5 | 9.1 |
| 150°-160° | 455.4 | 7.5 |
| 160°-170° | 305.4 | 5.0 |
| 170°-180° | 108.5 | 1.8 |
| 0°-30° | 951.0 | 15.6 |
| 0°-40° | 1494.2 | 24.6 |
| 0°-60° | 2345.1 | 38.5 |
| 0°-90° | 2720.1 | 44.7 |
| 90°-120° | 795.8 | 13.1 |
| 90°-150° | 2495.9 | 41.0 |
| 90°-180° | 3365.0 | 55.3 |
| 0°-180° | 6085.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1224 | 1224 | 1224 | 1224 | 1224 | |
| 5° | 1211 | 1232 | 1211 | 1232 | 1211 | 115 |
| 15° | 1176 | 1212 | 1176 | 1212 | 1176 | 332 |
| 25° | 1098 | 1036 | 1098 | 1036 | 1098 | 506 |
| 35° | 978 | 764 | 978 | 764 | 978 | 610 |
| 45° | 795 | 509 | 795 | 509 | 795 | 609 |
| 55° | 549 | 287 | 549 | 287 | 549 | 490 |
| 65° | 317 | 162 | 317 | 162 | 317 | 314 |
| 75° | 124 | 83 | 124 | 83 | 124 | 136 |
| 85° | 21 | 14 | 21 | 14 | 21 | 27 |
| 90° | 4 | 26 | 4 | 50 | 4 | 4 |
| 95° | 36 | 27 | 36 | 157 | 36 | 44 |
| 105° | 170 | 272 | 170 | 375 | 170 | 181 |
| 115° | 326 | 452 | 326 | 556 | 326 | 321 |
| 125° | 482 | 716 | 482 | 682 | 482 | 431 |
| 135° | 655 | 937 | 655 | 756 | 655 | 506 |
| 145° | 837 | 1080 | 837 | 772 | 837 | 524 |
| 155° | 994 | 1174 | 994 | 801 | 994 | 457 |
| 165° | 1099 | 1224 | 1099 | 922 | 1099 | 309 |
| 175° | 1149 | 1198 | 1149 | 1082 | 1149 | 109 |
| 180° | 1153 | 1153 | 1153 | 1153 | 1153 | |



TEST NUMBER: P1428397

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1223.7 | 1223.7 | 1223.7 | 1223.7 | 1223.7 | 1223.7 | 1223.7 | 1223.7 | 1223.7 | 1223.7 | 1223.7 |
| 2.5° | 1215.3 | 1222.3 | 1229.4 | 1227.7 | 1223.2 | 1221.1 | 1221.5 | 1222.1 | 1223.4 | 1224.6 | 1223.4 |
| 5° | 1210.9 | 1219.7 | 1228.5 | 1227.2 | 1222.5 | 1220.4 | 1221.0 | 1222.5 | 1227.2 | 1231.8 | 1227.2 |
| 7.5° | 1204.8 | 1213.7 | 1222.6 | 1222.2 | 1218.7 | 1217.8 | 1219.6 | 1222.0 | 1226.6 | 1231.1 | 1226.6 |
| 10° | 1199.2 | 1208.5 | 1217.9 | 1217.9 | 1214.8 | 1214.5 | 1217.1 | 1220.1 | 1224.2 | 1228.3 | 1224.2 |
| 12.5° | 1191.8 | 1201.5 | 1211.2 | 1212.0 | 1209.7 | 1210.0 | 1213.0 | 1216.3 | 1220.5 | 1224.6 | 1220.5 |
| 15° | 1175.9 | 1186.3 | 1196.6 | 1198.8 | 1198.3 | 1199.9 | 1203.5 | 1206.9 | 1209.4 | 1212.0 | 1209.4 |
| 17.5° | 1157.5 | 1167.8 | 1178.2 | 1180.3 | 1179.5 | 1179.6 | 1180.6 | 1181.6 | 1182.8 | 1184.1 | 1182.8 |
| 20° | 1144.4 | 1154.8 | 1165.2 | 1166.6 | 1165.0 | 1162.4 | 1158.8 | 1156.1 | 1156.1 | 1156.1 | 1156.1 |
| 22.5° | 1125.8 | 1137.0 | 1148.2 | 1148.2 | 1144.6 | 1137.9 | 1128.0 | 1119.8 | 1116.5 | 1113.2 | 1116.5 |
| 25° | 1097.8 | 1108.7 | 1119.6 | 1114.5 | 1104.2 | 1088.9 | 1068.7 | 1051.6 | 1043.8 | 1036.1 | 1043.8 |
| 27.5° | 1065.2 | 1074.0 | 1082.8 | 1069.6 | 1049.1 | 1024.5 | 995.8 | 971.6 | 960.8 | 950.0 | 960.8 |
| 30° | 1041.9 | 1048.6 | 1055.3 | 1034.5 | 1004.5 | 973.6 | 942.0 | 915.8 | 905.4 | 895.0 | 905.4 |
| 32.5° | 1017.6 | 1020.2 | 1022.8 | 995.3 | 957.8 | 922.7 | 889.8 | 862.4 | 851.2 | 840.0 | 851.2 |
| 35° | 977.8 | 973.1 | 968.5 | 931.9 | 884.8 | 844.7 | 811.5 | 784.2 | 774.4 | 764.5 | 774.4 |
| 37.5° | 930.7 | 916.8 | 902.9 | 861.8 | 811.5 | 769.1 | 734.4 | 705.6 | 694.7 | 683.9 | 694.7 |
| 40° | 896.2 | 876.5 | 856.8 | 812.7 | 760.4 | 716.9 | 682.2 | 653.4 | 642.5 | 631.7 | 642.5 |
| 42.5° | 858.0 | 833.3 | 808.7 | 763.3 | 711.0 | 667.4 | 632.7 | 603.9 | 592.6 | 581.3 | 592.6 |
| 45° | 794.8 | 765.8 | 736.8 | 689.5 | 636.2 | 592.7 | 559.0 | 531.0 | 520.2 | 509.3 | 520.2 |
| 47.5° | 723.7 | 694.9 | 666.1 | 619.0 | 565.7 | 522.8 | 490.2 | 463.4 | 454.0 | 444.7 | 454.0 |
| 50° | 672.4 | 644.5 | 616.5 | 571.4 | 520.7 | 479.0 | 446.4 | 419.0 | 407.6 | 396.2 | 407.6 |
| 52.5° | 620.2 | 595.2 | 570.1 | 526.7 | 477.2 | 435.7 | 402.2 | 373.2 | 357.7 | 342.2 | 357.7 |
| 55° | 548.9 | 525.1 | 501.3 | 460.3 | 413.7 | 371.8 | 334.5 | 304.3 | 295.5 | 286.7 | 295.5 |
| 57.5° | 475.5 | 454.9 | 434.3 | 397.5 | 355.3 | 317.3 | 283.4 | 256.2 | 249.0 | 241.7 | 249.0 |
| 60° | 428.9 | 410.7 | 392.6 | 357.4 | 316.5 | 281.8 | 253.3 | 230.1 | 222.9 | 215.6 | 222.9 |
| 62.5° | 384.1 | 368.1 | 352.0 | 318.2 | 278.6 | 247.4 | 224.7 | 206.2 | 200.2 | 194.2 | 200.2 |
| 65° | 317.0 | 305.1 | 293.2 | 265.3 | 232.2 | 206.3 | 187.6 | 172.4 | 167.2 | 162.0 | 167.2 |
| 67.5° | 251.7 | 245.1 | 238.5 | 217.6 | 192.0 | 171.1 | 154.7 | 141.6 | 138.1 | 134.7 | 138.1 |
| 70° | 209.8 | 207.7 | 205.6 | 188.4 | 166.1 | 148.3 | 134.8 | 124.1 | 121.5 | 118.9 | 121.5 |
| 72.5° | 173.4 | 174.2 | 175.1 | 160.7 | 141.4 | 126.4 | 115.8 | 107.5 | 105.7 | 104.0 | 105.7 |
| 75° | 123.5 | 127.7 | 131.8 | 122.4 | 108.4 | 97.8 | 90.5 | 84.8 | 83.8 | 82.7 | 83.8 |
| 77.5° | 84.1 | 90.4 | 96.6 | 90.4 | 80.2 | 72.4 | 67.0 | 62.7 | 61.9 | 61.1 | 61.9 |
| 80° | 61.8 | 68.0 | 74.2 | 69.9 | 62.2 | 56.2 | 52.1 | 48.9 | 48.9 | 48.9 | 48.9 |
| 82.5° | 43.1 | 48.1 | 53.1 | 50.0 | 44.3 | 40.5 | 38.4 | 36.8 | 36.8 | 36.8 | 36.8 |
| 85° | 21.0 | 23.6 | 26.2 | 25.3 | 23.2 | 20.6 | 17.5 | 15.0 | 14.5 | 14.0 | 14.5 |
| 87.5° | 6.3 | 8.5 | 10.9 | 10.6 | 9.2 | 8.2 | 7.8 | 7.7 | 7.9 | 7.9 | 7.9 |
| 90° | 3.5 | 8.1 | 14.0 | 18.6 | 22.1 | 23.3 | 23.3 | 24.4 | 25.6 | 25.6 | 25.6 |
| 92.5° | 12.8 | 20.3 | 20.5 | 20.5 | 24.9 | 27.0 | 28.9 | 29.1 | 30.3 | 30.3 | 30.3 |
| 95° | 36.1 | 39.6 | 59.4 | 58.2 | 39.6 | 31.4 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 |
| 97.5° | 68.9 | 74.0 | 77.3 | 103.6 | 109.4 | 105.7 | 86.2 | 72.4 | 64.7 | 61.2 | 64.7 |
| 100° | 97.8 | 100.1 | 107.1 | 108.3 | 137.4 | 165.3 | 151.3 | 133.9 | 128.1 | 124.6 | 128.1 |
| 102.5° | 126.7 | 128.1 | 138.8 | 143.7 | 150.4 | 166.2 | 214.7 | 209.3 | 205.4 | 204.7 | 205.4 |
| 105° | 170.0 | 171.1 | 190.9 | 200.2 | 204.9 | 204.9 | 203.7 | 227.0 | 264.3 | 272.4 | 264.3 |
| 107.5° | 216.3 | 221.7 | 244.9 | 269.9 | 275.2 | 276.6 | 270.6 | 267.1 | 265.7 | 266.6 | 265.7 |
| 110° | 248.0 | 256.1 | 284.1 | 315.5 | 323.6 | 326.0 | 323.6 | 320.2 | 317.8 | 317.8 | 317.8 |



TEST NUMBER: P1428397

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 278.7 | 290.6 | 322.3 | 358.3 | 372.1 | 379.1 | 373.9 | 371.4 | 369.1 | 370.9 | 369.1 |
| 115° | 326.0 | 343.4 | 385.4 | 422.6 | 450.5 | 454.0 | 452.9 | 452.9 | 451.7 | 451.7 | 451.7 |
| 117.5° | 369.7 | 397.7 | 444.7 | 488.0 | 520.4 | 529.7 | 534.4 | 533.0 | 531.6 | 533.9 | 531.6 |
| 120° | 400.5 | 433.1 | 486.6 | 535.5 | 567.0 | 580.9 | 585.6 | 583.3 | 585.6 | 583.3 | 585.6 |
| 122.5° | 433.1 | 473.1 | 525.8 | 576.5 | 613.5 | 629.4 | 635.0 | 635.4 | 635.9 | 634.5 | 635.9 |
| 125° | 482.0 | 530.9 | 592.6 | 645.0 | 683.4 | 702.0 | 706.7 | 707.8 | 710.2 | 716.0 | 710.2 |
| 127.5° | 531.3 | 586.8 | 654.5 | 705.0 | 744.4 | 767.0 | 774.2 | 776.8 | 781.6 | 784.2 | 781.6 |
| 130° | 565.8 | 628.7 | 697.4 | 745.1 | 783.5 | 808.0 | 820.8 | 824.3 | 830.1 | 828.9 | 830.1 |
| 132.5° | 602.1 | 667.8 | 737.4 | 787.0 | 822.6 | 848.9 | 859.9 | 869.9 | 872.0 | 873.6 | 872.0 |
| 135° | 655.4 | 726.5 | 796.3 | 845.2 | 879.0 | 904.6 | 918.6 | 927.9 | 933.7 | 937.2 | 933.7 |
| 137.5° | 711.6 | 786.5 | 853.6 | 897.1 | 931.1 | 953.2 | 969.1 | 978.9 | 984.9 | 987.7 | 984.9 |
| 140° | 749.7 | 821.9 | 887.1 | 932.5 | 962.8 | 984.9 | 998.9 | 1010.5 | 1017.5 | 1017.5 | 1017.5 |
| 142.5° | 786.1 | 857.3 | 920.6 | 966.1 | 992.6 | 1012.9 | 1027.8 | 1036.6 | 1044.5 | 1044.5 | 1044.5 |
| 145° | 837.1 | 908.1 | 966.3 | 1011.7 | 1033.8 | 1052.4 | 1068.7 | 1075.7 | 1080.4 | 1080.4 | 1080.4 |
| 147.5° | 890.4 | 953.2 | 1006.3 | 1049.9 | 1068.5 | 1090.4 | 1103.2 | 1108.8 | 1114.6 | 1112.0 | 1114.6 |
| 150° | 922.0 | 980.3 | 1031.5 | 1072.2 | 1090.9 | 1111.8 | 1124.6 | 1129.3 | 1135.1 | 1131.6 | 1135.1 |
| 152.5° | 952.8 | 1008.2 | 1054.8 | 1092.7 | 1108.6 | 1129.5 | 1144.2 | 1148.8 | 1152.8 | 1150.2 | 1152.8 |
| 155° | 994.2 | 1043.1 | 1086.2 | 1121.1 | 1135.1 | 1154.9 | 1168.9 | 1174.7 | 1179.3 | 1173.5 | 1179.3 |
| 157.5° | 1031.2 | 1073.4 | 1110.9 | 1143.0 | 1157.9 | 1174.9 | 1187.9 | 1195.2 | 1199.8 | 1197.3 | 1199.8 |
| 160° | 1053.6 | 1092.0 | 1125.8 | 1156.1 | 1170.0 | 1185.2 | 1199.1 | 1207.3 | 1211.9 | 1208.4 | 1211.9 |
| 162.5° | 1072.2 | 1106.9 | 1138.8 | 1166.3 | 1178.4 | 1191.7 | 1208.4 | 1215.7 | 1220.3 | 1215.9 | 1220.3 |
| 165° | 1099.0 | 1126.9 | 1154.9 | 1178.2 | 1188.6 | 1199.1 | 1216.6 | 1224.7 | 1228.2 | 1223.6 | 1228.2 |
| 167.5° | 1119.3 | 1140.7 | 1163.3 | 1183.3 | 1191.0 | 1201.2 | 1218.7 | 1225.4 | 1229.9 | 1224.0 | 1229.9 |
| 170° | 1130.4 | 1149.1 | 1168.9 | 1185.2 | 1191.0 | 1200.3 | 1217.8 | 1223.6 | 1227.1 | 1221.2 | 1227.1 |
| 172.5° | 1139.8 | 1153.7 | 1169.8 | 1184.2 | 1187.3 | 1194.7 | 1211.2 | 1217.1 | 1219.6 | 1214.7 | 1219.6 |
| 175° | 1149.1 | 1157.2 | 1168.9 | 1178.2 | 1177.0 | 1181.7 | 1195.6 | 1200.3 | 1204.9 | 1198.0 | 1204.9 |
| 177.5° | 1153.5 | 1157.2 | 1160.9 | 1166.5 | 1162.8 | 1162.8 | 1173.0 | 1175.8 | 1176.8 | 1173.0 | 1176.8 |
| 180° | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 |



TEST NUMBER: P1428397

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1223.7 | 1223.7 | 1223.7 | 1223.7 | 1223.7 | 1223.7 | 1223.7 | 1223.7 | 1223.7 | 1223.7 | 1223.7 |
| 2.5° | 1222.1 | 1221.5 | 1221.1 | 1223.2 | 1227.7 | 1229.4 | 1222.3 | 1215.3 | 1222.3 | 1229.4 | 1227.7 |
| 5° | 1222.5 | 1221.0 | 1220.4 | 1222.5 | 1227.2 | 1228.5 | 1219.7 | 1210.9 | 1219.7 | 1228.5 | 1227.2 |
| 7.5° | 1222.0 | 1219.6 | 1217.8 | 1218.7 | 1222.2 | 1222.6 | 1213.7 | 1204.8 | 1213.7 | 1222.6 | 1222.2 |
| 10° | 1220.1 | 1217.1 | 1214.5 | 1214.8 | 1217.9 | 1217.9 | 1208.5 | 1199.2 | 1208.5 | 1217.9 | 1217.9 |
| 12.5° | 1216.3 | 1213.0 | 1210.0 | 1209.7 | 1212.0 | 1211.2 | 1201.5 | 1191.8 | 1201.5 | 1211.2 | 1212.0 |
| 15° | 1206.9 | 1203.5 | 1199.9 | 1198.3 | 1198.8 | 1196.6 | 1186.3 | 1175.9 | 1186.3 | 1196.6 | 1198.8 |
| 17.5° | 1181.6 | 1180.6 | 1179.6 | 1179.5 | 1180.3 | 1178.2 | 1167.8 | 1157.5 | 1167.8 | 1178.2 | 1180.3 |
| 20° | 1156.1 | 1158.8 | 1162.4 | 1165.0 | 1166.6 | 1165.2 | 1154.8 | 1144.4 | 1154.8 | 1165.2 | 1166.6 |
| 22.5° | 1119.8 | 1128.0 | 1137.9 | 1144.6 | 1148.2 | 1148.2 | 1137.0 | 1125.8 | 1137.0 | 1148.2 | 1148.2 |
| 25° | 1051.6 | 1068.7 | 1088.9 | 1104.2 | 1114.5 | 1119.6 | 1108.7 | 1097.8 | 1108.7 | 1119.6 | 1114.5 |
| 27.5° | 971.6 | 995.8 | 1024.5 | 1049.1 | 1069.6 | 1082.8 | 1074.0 | 1065.2 | 1074.0 | 1082.8 | 1069.6 |
| 30° | 915.8 | 942.0 | 973.6 | 1004.5 | 1034.5 | 1055.3 | 1048.6 | 1041.9 | 1048.6 | 1055.3 | 1034.5 |
| 32.5° | 862.4 | 889.8 | 922.7 | 957.8 | 995.3 | 1022.8 | 1020.2 | 1017.6 | 1020.2 | 1022.8 | 995.3 |
| 35° | 784.2 | 811.5 | 844.7 | 884.8 | 931.9 | 968.5 | 973.1 | 977.8 | 973.1 | 968.5 | 931.9 |
| 37.5° | 705.6 | 734.4 | 769.1 | 811.5 | 861.8 | 902.9 | 916.8 | 930.7 | 916.8 | 902.9 | 861.8 |
| 40° | 653.4 | 682.2 | 716.9 | 760.4 | 812.7 | 856.8 | 876.5 | 896.2 | 876.5 | 856.8 | 812.7 |
| 42.5° | 603.9 | 632.7 | 667.4 | 711.0 | 763.3 | 808.7 | 833.3 | 858.0 | 833.3 | 808.7 | 763.3 |
| 45° | 531.0 | 559.0 | 592.7 | 636.2 | 689.5 | 736.8 | 765.8 | 794.8 | 765.8 | 736.8 | 689.5 |
| 47.5° | 463.4 | 490.2 | 522.8 | 565.7 | 619.0 | 666.1 | 694.9 | 723.7 | 694.9 | 666.1 | 619.0 |
| 50° | 419.0 | 446.4 | 479.0 | 520.7 | 571.4 | 616.5 | 644.5 | 672.4 | 644.5 | 616.5 | 571.4 |
| 52.5° | 373.2 | 402.2 | 435.7 | 477.2 | 526.7 | 570.1 | 595.2 | 620.2 | 595.2 | 570.1 | 526.7 |
| 55° | 304.3 | 334.5 | 371.8 | 413.7 | 460.3 | 501.3 | 525.1 | 548.9 | 525.1 | 501.3 | 460.3 |
| 57.5° | 256.2 | 283.4 | 317.3 | 355.3 | 397.5 | 434.3 | 454.9 | 475.5 | 454.9 | 434.3 | 397.5 |
| 60° | 230.1 | 253.3 | 281.8 | 316.5 | 357.4 | 392.6 | 410.7 | 428.9 | 410.7 | 392.6 | 357.4 |
| 62.5° | 206.2 | 224.7 | 247.4 | 278.6 | 318.2 | 352.0 | 368.1 | 384.1 | 368.1 | 352.0 | 318.2 |
| 65° | 172.4 | 187.6 | 206.3 | 232.2 | 265.3 | 293.2 | 305.1 | 317.0 | 305.1 | 293.2 | 265.3 |
| 67.5° | 141.6 | 154.7 | 171.1 | 192.0 | 217.6 | 238.5 | 245.1 | 251.7 | 245.1 | 238.5 | 217.6 |
| 70° | 124.1 | 134.8 | 148.3 | 166.1 | 188.4 | 205.6 | 207.7 | 209.8 | 207.7 | 205.6 | 188.4 |
| 72.5° | 107.5 | 115.8 | 126.4 | 141.4 | 160.7 | 175.1 | 174.2 | 173.4 | 174.2 | 175.1 | 160.7 |
| 75° | 84.8 | 90.5 | 97.8 | 108.4 | 122.4 | 131.8 | 127.7 | 123.5 | 127.7 | 131.8 | 122.4 |
| 77.5° | 62.7 | 67.0 | 72.4 | 80.2 | 90.4 | 96.6 | 90.4 | 84.1 | 90.4 | 96.6 | 90.4 |
| 80° | 48.9 | 52.1 | 56.2 | 62.2 | 69.9 | 74.2 | 68.0 | 61.8 | 68.0 | 74.2 | 69.9 |
| 82.5° | 36.8 | 38.4 | 40.5 | 44.3 | 50.0 | 53.1 | 48.1 | 43.1 | 48.1 | 53.1 | 50.0 |
| 85° | 15.0 | 17.5 | 20.6 | 23.2 | 25.3 | 26.2 | 23.6 | 21.0 | 23.6 | 26.2 | 25.3 |
| 87.5° | 7.7 | 7.8 | 8.2 | 9.2 | 10.6 | 10.9 | 8.5 | 6.3 | 8.5 | 10.6 | 11.0 |
| 90° | 24.4 | 23.3 | 23.3 | 22.1 | 18.6 | 14.0 | 8.1 | 3.5 | 8.1 | 12.8 | 21.0 |
| 92.5° | 29.1 | 28.9 | 27.0 | 24.9 | 20.5 | 20.5 | 20.3 | 12.8 | 22.1 | 31.4 | 45.2 |
| 95° | 26.8 | 26.8 | 31.4 | 39.6 | 58.2 | 59.4 | 39.6 | 36.1 | 51.2 | 72.2 | 90.8 |
| 97.5° | 72.4 | 86.2 | 105.7 | 109.4 | 103.6 | 77.3 | 74.0 | 68.9 | 93.8 | 114.6 | 144.6 |
| 100° | 133.9 | 151.3 | 165.3 | 137.4 | 108.3 | 107.1 | 100.1 | 97.8 | 124.6 | 144.4 | 173.5 |
| 102.5° | 209.3 | 214.7 | 166.2 | 150.4 | 143.7 | 138.8 | 128.1 | 126.7 | 153.4 | 180.7 | 205.1 |
| 105° | 227.0 | 203.7 | 204.9 | 204.9 | 200.2 | 190.9 | 171.1 | 170.0 | 200.2 | 231.7 | 261.9 |
| 107.5° | 267.1 | 270.6 | 276.6 | 275.2 | 269.9 | 244.9 | 221.7 | 216.3 | 243.6 | 281.3 | 314.6 |
| 110° | 320.2 | 323.6 | 326.0 | 323.6 | 315.5 | 284.1 | 256.1 | 248.0 | 272.4 | 312.0 | 348.1 |



TEST NUMBER: P1428397

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 371.4 | 373.9 | 379.1 | 372.1 | 358.3 | 322.3 | 290.6 | 278.7 | 303.2 | 343.7 | 380.7 |
| 115° | 452.9 | 452.9 | 454.0 | 450.5 | 422.6 | 385.4 | 343.4 | 326.0 | 346.9 | 384.2 | 424.9 |
| 117.5° | 533.0 | 534.4 | 529.7 | 520.4 | 488.0 | 444.7 | 397.7 | 369.7 | 386.3 | 425.6 | 467.5 |
| 120° | 583.3 | 585.6 | 580.9 | 567.0 | 535.5 | 486.6 | 433.1 | 400.5 | 413.3 | 451.7 | 493.6 |
| 122.5° | 635.4 | 635.0 | 629.4 | 613.5 | 576.5 | 525.8 | 473.1 | 433.1 | 438.4 | 474.1 | 515.0 |
| 125° | 707.8 | 706.7 | 702.0 | 683.4 | 645.0 | 592.6 | 530.9 | 482.0 | 475.0 | 505.3 | 547.2 |
| 127.5° | 776.8 | 774.2 | 767.0 | 744.4 | 705.0 | 654.5 | 586.8 | 531.3 | 515.7 | 534.8 | 573.3 |
| 130° | 824.3 | 820.8 | 808.0 | 783.5 | 745.1 | 697.4 | 628.7 | 565.8 | 543.7 | 555.3 | 589.1 |
| 132.5° | 869.9 | 859.9 | 848.9 | 822.6 | 787.0 | 737.4 | 667.8 | 602.1 | 571.6 | 576.7 | 603.1 |
| 135° | 927.9 | 918.6 | 904.6 | 879.0 | 845.2 | 796.3 | 726.5 | 655.4 | 613.5 | 608.9 | 624.0 |
| 137.5° | 978.9 | 969.1 | 953.2 | 931.1 | 897.1 | 853.6 | 786.5 | 711.6 | 658.7 | 643.1 | 648.9 |
| 140° | 1010.5 | 998.9 | 984.9 | 962.8 | 932.5 | 887.1 | 821.9 | 749.7 | 690.4 | 668.3 | 664.8 |
| 142.5° | 1036.6 | 1027.8 | 1012.9 | 992.6 | 966.1 | 920.6 | 857.3 | 786.1 | 723.0 | 694.3 | 686.2 |
| 145° | 1075.7 | 1068.7 | 1052.4 | 1033.8 | 1011.7 | 966.3 | 908.1 | 837.1 | 774.2 | 736.9 | 719.5 |
| 147.5° | 1108.8 | 1103.2 | 1090.4 | 1068.5 | 1049.9 | 1006.3 | 953.2 | 890.4 | 825.9 | 779.8 | 757.2 |
| 150° | 1129.3 | 1124.6 | 1111.8 | 1090.9 | 1072.2 | 1031.5 | 980.3 | 922.0 | 860.3 | 811.4 | 782.3 |
| 152.5° | 1148.8 | 1144.2 | 1129.5 | 1108.6 | 1092.7 | 1054.8 | 1008.2 | 952.8 | 890.1 | 841.3 | 811.2 |
| 155° | 1174.7 | 1168.9 | 1154.9 | 1135.1 | 1121.1 | 1086.2 | 1043.1 | 994.2 | 940.7 | 889.4 | 855.7 |
| 157.5° | 1195.2 | 1187.9 | 1174.9 | 1157.9 | 1143.0 | 1110.9 | 1073.4 | 1031.2 | 984.4 | 935.6 | 901.1 |
| 160° | 1207.3 | 1199.1 | 1185.2 | 1170.0 | 1156.1 | 1125.8 | 1092.0 | 1053.6 | 1010.5 | 966.3 | 929.0 |
| 162.5° | 1215.7 | 1208.4 | 1191.7 | 1178.4 | 1166.3 | 1138.8 | 1106.9 | 1072.2 | 1033.8 | 995.2 | 960.7 |
| 165° | 1224.7 | 1216.6 | 1199.1 | 1188.6 | 1178.2 | 1154.9 | 1126.9 | 1099.0 | 1066.4 | 1035.0 | 1007.0 |
| 167.5° | 1225.4 | 1218.7 | 1201.2 | 1191.0 | 1183.3 | 1163.3 | 1140.7 | 1119.3 | 1093.9 | 1069.2 | 1045.9 |
| 170° | 1223.6 | 1217.8 | 1200.3 | 1191.0 | 1185.2 | 1168.9 | 1149.1 | 1130.4 | 1110.6 | 1089.7 | 1071.1 |
| 172.5° | 1217.1 | 1211.2 | 1194.7 | 1187.3 | 1184.2 | 1169.8 | 1153.7 | 1139.8 | 1122.8 | 1107.4 | 1092.5 |
| 175° | 1200.3 | 1195.6 | 1181.7 | 1177.0 | 1178.2 | 1168.9 | 1157.2 | 1149.1 | 1138.6 | 1129.3 | 1121.1 |
| 177.5° | 1175.8 | 1173.0 | 1162.8 | 1162.8 | 1166.5 | 1160.9 | 1157.2 | 1153.5 | 1148.8 | 1146.0 | 1143.2 |
| 180° | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 |



TEST NUMBER: P1428397

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1223.7 | 1223.7 | 1223.7 | 1223.7 | 1223.7 | 1223.7 | 1223.7 | 1223.7 | 1223.7 | 1223.7 | 1223.7 |
| 2.5° | 1223.2 | 1221.1 | 1221.5 | 1222.1 | 1223.4 | 1224.6 | 1223.4 | 1222.1 | 1221.5 | 1221.1 | 1223.2 |
| 5° | 1222.5 | 1220.4 | 1221.0 | 1222.5 | 1227.2 | 1231.8 | 1227.2 | 1222.5 | 1221.0 | 1220.4 | 1222.5 |
| 7.5° | 1218.7 | 1217.8 | 1219.6 | 1222.0 | 1226.6 | 1231.1 | 1226.6 | 1222.0 | 1219.6 | 1217.8 | 1218.7 |
| 10° | 1214.8 | 1214.5 | 1217.1 | 1220.1 | 1224.2 | 1228.3 | 1224.2 | 1220.1 | 1217.1 | 1214.5 | 1214.8 |
| 12.5° | 1209.7 | 1210.0 | 1213.0 | 1216.3 | 1220.5 | 1224.6 | 1220.5 | 1216.3 | 1213.0 | 1210.0 | 1209.7 |
| 15° | 1198.3 | 1199.9 | 1203.5 | 1206.9 | 1209.4 | 1212.0 | 1209.4 | 1206.9 | 1203.5 | 1199.9 | 1198.3 |
| 17.5° | 1179.5 | 1179.6 | 1180.6 | 1181.6 | 1182.8 | 1184.1 | 1182.8 | 1181.6 | 1180.6 | 1179.6 | 1179.5 |
| 20° | 1165.0 | 1162.4 | 1158.8 | 1156.1 | 1156.1 | 1156.1 | 1156.1 | 1156.1 | 1158.8 | 1162.4 | 1165.0 |
| 22.5° | 1144.6 | 1137.9 | 1128.0 | 1119.8 | 1116.5 | 1113.2 | 1116.5 | 1119.8 | 1128.0 | 1137.9 | 1144.6 |
| 25° | 1104.2 | 1088.9 | 1068.7 | 1051.6 | 1043.8 | 1036.1 | 1043.8 | 1051.6 | 1068.7 | 1088.9 | 1104.2 |
| 27.5° | 1049.1 | 1024.5 | 995.8 | 971.6 | 960.8 | 950.0 | 960.8 | 971.6 | 995.8 | 1024.5 | 1049.1 |
| 30° | 1004.5 | 973.6 | 942.0 | 915.8 | 905.4 | 895.0 | 905.4 | 915.8 | 942.0 | 973.6 | 1004.5 |
| 32.5° | 957.8 | 922.7 | 889.8 | 862.4 | 851.2 | 840.0 | 851.2 | 862.4 | 889.8 | 922.7 | 957.8 |
| 35° | 884.8 | 844.7 | 811.5 | 784.2 | 774.4 | 764.5 | 774.4 | 784.2 | 811.5 | 844.7 | 884.8 |
| 37.5° | 811.5 | 769.1 | 734.4 | 705.6 | 694.7 | 683.9 | 694.7 | 705.6 | 734.4 | 769.1 | 811.5 |
| 40° | 760.4 | 716.9 | 682.2 | 653.4 | 642.5 | 631.7 | 642.5 | 653.4 | 682.2 | 716.9 | 760.4 |
| 42.5° | 711.0 | 667.4 | 632.7 | 603.9 | 592.6 | 581.3 | 592.6 | 603.9 | 632.7 | 667.4 | 711.0 |
| 45° | 636.2 | 592.7 | 559.0 | 531.0 | 520.2 | 509.3 | 520.2 | 531.0 | 559.0 | 592.7 | 636.2 |
| 47.5° | 565.7 | 522.8 | 490.2 | 463.4 | 454.0 | 444.7 | 454.0 | 463.4 | 490.2 | 522.8 | 565.7 |
| 50° | 520.7 | 479.0 | 446.4 | 419.0 | 407.6 | 396.2 | 407.6 | 419.0 | 446.4 | 479.0 | 520.7 |
| 52.5° | 477.2 | 435.7 | 402.2 | 373.2 | 357.7 | 342.2 | 357.7 | 373.2 | 402.2 | 435.7 | 477.2 |
| 55° | 413.7 | 371.8 | 334.5 | 304.3 | 295.5 | 286.7 | 295.5 | 304.3 | 334.5 | 371.8 | 413.7 |
| 57.5° | 355.3 | 317.3 | 283.4 | 256.2 | 249.0 | 241.7 | 249.0 | 256.2 | 283.4 | 317.3 | 355.3 |
| 60° | 316.5 | 281.8 | 253.3 | 230.1 | 222.9 | 215.6 | 222.9 | 230.1 | 253.3 | 281.8 | 316.5 |
| 62.5° | 278.6 | 247.4 | 224.7 | 206.2 | 200.2 | 194.2 | 200.2 | 206.2 | 224.7 | 247.4 | 278.6 |
| 65° | 232.2 | 206.3 | 187.6 | 172.4 | 167.2 | 162.0 | 167.2 | 172.4 | 187.6 | 206.3 | 232.2 |
| 67.5° | 192.0 | 171.1 | 154.7 | 141.6 | 138.1 | 134.7 | 138.1 | 141.6 | 154.7 | 171.1 | 192.0 |
| 70° | 166.1 | 148.3 | 134.8 | 124.1 | 121.5 | 118.9 | 121.5 | 124.1 | 134.8 | 148.3 | 166.1 |
| 72.5° | 141.4 | 126.4 | 115.8 | 107.5 | 105.7 | 104.0 | 105.7 | 107.5 | 115.8 | 126.4 | 141.4 |
| 75° | 108.4 | 97.8 | 90.5 | 84.8 | 83.8 | 82.7 | 83.8 | 84.8 | 90.5 | 97.8 | 108.4 |
| 77.5° | 80.2 | 72.4 | 67.0 | 62.7 | 61.9 | 61.1 | 61.9 | 62.7 | 67.0 | 72.4 | 80.2 |
| 80° | 62.2 | 56.2 | 52.1 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 52.1 | 56.2 | 62.2 |
| 82.5° | 44.3 | 40.5 | 38.4 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 38.4 | 40.5 | 44.3 |
| 85° | 23.2 | 20.6 | 17.5 | 15.0 | 14.5 | 14.0 | 14.5 | 15.0 | 17.5 | 20.6 | 23.2 |
| 87.5° | 10.1 | 10.5 | 11.7 | 12.3 | 13.3 | 12.8 | 13.3 | 12.3 | 11.7 | 10.5 | 10.1 |
| 90° | 26.8 | 34.9 | 43.1 | 47.7 | 52.4 | 50.1 | 52.4 | 47.7 | 43.1 | 34.9 | 26.8 |
| 92.5° | 53.8 | 67.5 | 77.5 | 85.9 | 89.6 | 89.2 | 89.6 | 85.9 | 77.5 | 67.5 | 53.8 |
| 95° | 108.3 | 124.6 | 140.9 | 152.5 | 159.5 | 157.2 | 159.5 | 152.5 | 140.9 | 124.6 | 108.3 |
| 97.5° | 166.9 | 188.8 | 207.0 | 217.9 | 224.9 | 229.6 | 224.9 | 217.9 | 207.0 | 188.8 | 166.9 |
| 100° | 206.1 | 227.0 | 248.0 | 260.8 | 272.4 | 277.1 | 272.4 | 260.8 | 248.0 | 227.0 | 206.1 |
| 102.5° | 237.7 | 265.2 | 288.0 | 301.8 | 311.5 | 316.2 | 311.5 | 301.8 | 288.0 | 265.2 | 237.7 |
| 105° | 289.9 | 319.0 | 343.4 | 360.9 | 371.4 | 374.9 | 371.4 | 360.9 | 343.4 | 319.0 | 289.9 |
| 107.5° | 342.0 | 372.1 | 394.7 | 414.0 | 426.8 | 434.2 | 426.8 | 414.0 | 394.7 | 372.1 | 342.0 |
| 110° | 383.0 | 407.5 | 431.9 | 449.4 | 462.2 | 466.8 | 462.2 | 449.4 | 431.9 | 407.5 | 383.0 |



TEST NUMBER: P1428397

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 417.5 | 444.7 | 469.2 | 486.6 | 501.3 | 507.8 | 501.3 | 486.6 | 469.2 | 444.7 | 417.5 |
| 115° | 465.7 | 501.8 | 523.9 | 540.2 | 550.7 | 556.5 | 550.7 | 540.2 | 523.9 | 501.8 | 465.7 |
| 117.5° | 505.7 | 543.4 | 567.7 | 580.2 | 585.1 | 589.3 | 585.1 | 580.2 | 567.7 | 543.4 | 505.7 |
| 120° | 530.9 | 565.8 | 593.7 | 610.0 | 615.9 | 618.2 | 615.9 | 610.0 | 593.7 | 565.8 | 530.9 |
| 122.5° | 554.2 | 587.2 | 614.2 | 634.3 | 643.8 | 646.1 | 643.8 | 634.3 | 614.2 | 587.2 | 554.2 |
| 125° | 586.8 | 618.2 | 646.1 | 665.9 | 676.4 | 682.2 | 676.4 | 665.9 | 646.1 | 618.2 | 586.8 |
| 127.5° | 615.2 | 649.2 | 674.8 | 692.7 | 702.9 | 707.6 | 702.9 | 692.7 | 674.8 | 649.2 | 615.2 |
| 130° | 631.0 | 665.9 | 691.5 | 711.3 | 720.6 | 725.3 | 720.6 | 711.3 | 691.5 | 665.9 | 631.0 |
| 132.5° | 643.1 | 679.9 | 706.4 | 724.4 | 734.6 | 739.3 | 734.6 | 724.4 | 706.4 | 679.9 | 643.1 |
| 135° | 657.8 | 696.2 | 724.1 | 741.6 | 750.9 | 755.6 | 750.9 | 741.6 | 724.1 | 696.2 | 657.8 |
| 137.5° | 670.6 | 705.5 | 734.6 | 753.0 | 761.4 | 764.4 | 761.4 | 753.0 | 734.6 | 705.5 | 670.6 |
| 140° | 679.9 | 710.2 | 739.3 | 756.7 | 766.0 | 767.2 | 766.0 | 756.7 | 739.3 | 710.2 | 679.9 |
| 142.5° | 692.0 | 715.7 | 741.1 | 758.6 | 767.9 | 770.0 | 767.9 | 758.6 | 741.1 | 715.7 | 692.0 |
| 145° | 713.7 | 727.6 | 745.1 | 761.4 | 769.5 | 771.9 | 769.5 | 761.4 | 745.1 | 727.6 | 713.7 |
| 147.5° | 740.9 | 745.3 | 754.4 | 765.1 | 773.0 | 774.7 | 773.0 | 765.1 | 754.4 | 745.3 | 740.9 |
| 150° | 761.4 | 760.2 | 763.7 | 770.7 | 777.7 | 776.5 | 777.7 | 770.7 | 763.7 | 760.2 | 761.4 |
| 152.5° | 784.7 | 777.9 | 777.7 | 780.9 | 784.2 | 784.0 | 784.2 | 780.9 | 777.7 | 777.9 | 784.7 |
| 155° | 824.3 | 811.4 | 804.5 | 802.1 | 802.1 | 801.0 | 802.1 | 802.1 | 804.5 | 811.4 | 824.3 |
| 157.5° | 867.8 | 849.9 | 839.4 | 833.8 | 832.2 | 829.6 | 832.2 | 833.8 | 839.4 | 849.9 | 867.8 |
| 160° | 897.6 | 877.8 | 867.3 | 858.0 | 854.5 | 851.0 | 854.5 | 858.0 | 867.3 | 877.8 | 897.6 |
| 162.5° | 925.5 | 906.7 | 895.3 | 886.9 | 883.4 | 878.0 | 883.4 | 886.9 | 895.3 | 906.7 | 925.5 |
| 165° | 970.9 | 951.2 | 938.3 | 931.4 | 926.7 | 922.0 | 926.7 | 931.4 | 938.3 | 951.2 | 970.9 |
| 167.5° | 1016.3 | 994.7 | 986.3 | 978.4 | 974.0 | 965.6 | 974.0 | 978.4 | 986.3 | 994.7 | 1016.3 |
| 170° | 1044.3 | 1024.5 | 1019.8 | 1012.9 | 1004.7 | 995.4 | 1004.7 | 1012.9 | 1019.8 | 1024.5 | 1044.3 |
| 172.5° | 1068.5 | 1055.2 | 1050.6 | 1043.6 | 1041.0 | 1033.6 | 1041.0 | 1043.6 | 1050.6 | 1055.2 | 1068.5 |
| 175° | 1103.7 | 1093.2 | 1093.2 | 1092.0 | 1088.5 | 1081.5 | 1088.5 | 1092.0 | 1093.2 | 1093.2 | 1103.7 |
| 177.5° | 1133.0 | 1127.4 | 1131.1 | 1131.1 | 1130.2 | 1123.7 | 1130.2 | 1131.1 | 1131.1 | 1127.4 | 1133.0 |
| 180° | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 |



TEST NUMBER: P1428397

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|
| 0° | 1223.7 | 1223.7 | 1223.7 | 1223.7 |
| 2.5° | 1227.7 | 1229.4 | 1222.3 | 1215.3 |
| 5° | 1227.2 | 1228.5 | 1219.7 | 1210.9 |
| 7.5° | 1222.2 | 1222.6 | 1213.7 | 1204.8 |
| 10° | 1217.9 | 1217.9 | 1208.5 | 1199.2 |
| 12.5° | 1212.0 | 1211.2 | 1201.5 | 1191.8 |
| 15° | 1198.8 | 1196.6 | 1186.3 | 1175.9 |
| 17.5° | 1180.3 | 1178.2 | 1167.8 | 1157.5 |
| 20° | 1166.6 | 1165.2 | 1154.8 | 1144.4 |
| 22.5° | 1148.2 | 1148.2 | 1137.0 | 1125.8 |
| 25° | 1114.5 | 1119.6 | 1108.7 | 1097.8 |
| 27.5° | 1069.6 | 1082.8 | 1074.0 | 1065.2 |
| 30° | 1034.5 | 1055.3 | 1048.6 | 1041.9 |
| 32.5° | 995.3 | 1022.8 | 1020.2 | 1017.6 |
| 35° | 931.9 | 968.5 | 973.1 | 977.8 |
| 37.5° | 861.8 | 902.9 | 916.8 | 930.7 |
| 40° | 812.7 | 856.8 | 876.5 | 896.2 |
| 42.5° | 763.3 | 808.7 | 833.3 | 858.0 |
| 45° | 689.5 | 736.8 | 765.8 | 794.8 |
| 47.5° | 619.0 | 666.1 | 694.9 | 723.7 |
| 50° | 571.4 | 616.5 | 644.5 | 672.4 |
| 52.5° | 526.7 | 570.1 | 595.2 | 620.2 |
| 55° | 460.3 | 501.3 | 525.1 | 548.9 |
| 57.5° | 397.5 | 434.3 | 454.9 | 475.5 |
| 60° | 357.4 | 392.6 | 410.7 | 428.9 |
| 62.5° | 318.2 | 352.0 | 368.1 | 384.1 |
| 65° | 265.3 | 293.2 | 305.1 | 317.0 |
| 67.5° | 217.6 | 238.5 | 245.1 | 251.7 |
| 70° | 188.4 | 205.6 | 207.7 | 209.8 |
| 72.5° | 160.7 | 175.1 | 174.2 | 173.4 |
| 75° | 122.4 | 131.8 | 127.7 | 123.5 |
| 77.5° | 90.4 | 96.6 | 90.4 | 84.1 |
| 80° | 69.9 | 74.2 | 68.0 | 61.8 |
| 82.5° | 50.0 | 53.1 | 48.1 | 43.1 |
| 85° | 25.3 | 26.2 | 23.6 | 21.0 |
| 87.5° | 11.0 | 10.6 | 8.5 | 6.3 |
| 90° | 21.0 | 12.8 | 8.1 | 3.5 |
| 92.5° | 45.2 | 31.4 | 22.1 | 12.8 |
| 95° | 90.8 | 72.2 | 51.2 | 36.1 |
| 97.5° | 144.6 | 114.6 | 93.8 | 68.9 |
| 100° | 173.5 | 144.4 | 124.6 | 97.8 |
| 102.5° | 205.1 | 180.7 | 153.4 | 126.7 |
| 105° | 261.9 | 231.7 | 200.2 | 170.0 |
| 107.5° | 314.6 | 281.3 | 243.6 | 216.3 |
| 110° | 348.1 | 312.0 | 272.4 | 248.0 |

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CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|
| 112.5° | 380.7 | 343.7 | 303.2 | 278.7 |
| 115° | 424.9 | 384.2 | 346.9 | 326.0 |
| 117.5° | 467.5 | 425.6 | 386.3 | 369.7 |
| 120° | 493.6 | 451.7 | 413.3 | 400.5 |
| 122.5° | 515.0 | 474.1 | 438.4 | 433.1 |
| 125° | 547.2 | 505.3 | 475.0 | 482.0 |
| 127.5° | 573.3 | 534.8 | 515.7 | 531.3 |
| 130° | 589.1 | 555.3 | 543.7 | 565.8 |
| 132.5° | 603.1 | 576.7 | 571.6 | 602.1 |
| 135° | 624.0 | 608.9 | 613.5 | 655.4 |
| 137.5° | 648.9 | 643.1 | 658.7 | 711.6 |
| 140° | 664.8 | 668.3 | 690.4 | 749.7 |
| 142.5° | 686.2 | 694.3 | 723.0 | 786.1 |
| 145° | 719.5 | 736.9 | 774.2 | 837.1 |
| 147.5° | 757.2 | 779.8 | 825.9 | 890.4 |
| 150° | 782.3 | 811.4 | 860.3 | 922.0 |
| 152.5° | 811.2 | 841.3 | 890.1 | 952.8 |
| 155° | 855.7 | 889.4 | 940.7 | 994.2 |
| 157.5° | 901.1 | 935.6 | 984.4 | 1031.2 |
| 160° | 929.0 | 966.3 | 1010.5 | 1053.6 |
| 162.5° | 960.7 | 995.2 | 1033.8 | 1072.2 |
| 165° | 1007.0 | 1035.0 | 1066.4 | 1099.0 |
| 167.5° | 1045.9 | 1069.2 | 1093.9 | 1119.3 |
| 170° | 1071.1 | 1089.7 | 1110.6 | 1130.4 |
| 172.5° | 1092.5 | 1107.4 | 1122.8 | 1139.8 |
| 175° | 1121.1 | 1129.3 | 1138.6 | 1149.1 |
| 177.5° | 1143.2 | 1146.0 | 1148.8 | 1153.5 |
| 180° | 1152.6 | 1152.6 | 1152.6 | 1152.6 |



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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 | 16.76 | 17.55 | 17.77 | 18.56 | 19.91 | 13.01 | 13.79 | 14.02 | 14.81 | 16.15 |
| | 3H | 18.06 | 18.76 | 19.08 | 19.78 | 21.15 | 14.27 | 14.97 | 15.29 | 16.00 | 17.36 |
| | 4H | 18.46 | 19.12 | 19.49 | 20.15 | 21.53 | 14.78 | 15.44 | 15.81 | 16.46 | 17.84 |
| | 6H | 18.64 | 19.25 | 19.68 | 20.28 | 21.67 | 15.08 | 15.69 | 16.12 | 16.72 | 18.11 |
| | 8H | 18.68 | 19.26 | 19.73 | 20.30 | 21.69 | 15.19 | 15.77 | 16.24 | 16.82 | 18.20 |
| | 12H | 18.68 | 19.23 | 19.73 | 20.27 | 21.67 | 15.22 | 15.77 | 16.27 | 16.81 | 18.22 |
| 4H | 2H | 16.88 | 17.55 | 17.92 | 18.57 | 19.95 | 13.81 | 14.47 | 14.85 | 15.50 | 16.87 |
| | 3H | 18.42 | 18.97 | 19.46 | 20.02 | 21.41 | 15.25 | 15.80 | 16.30 | 16.85 | 18.24 |
| | 4H | 18.96 | 19.46 | 20.01 | 20.51 | 21.92 | 15.82 | 16.33 | 16.88 | 17.37 | 18.79 |
| | 6H | 19.27 | 19.70 | 20.33 | 20.77 | 22.17 | 16.20 | 16.64 | 17.27 | 17.70 | 19.11 |
| | 8H | 19.36 | 19.76 | 20.42 | 20.82 | 22.24 | 16.35 | 16.76 | 17.42 | 17.82 | 19.24 |
| | 12H | 19.37 | 19.74 | 20.45 | 20.81 | 22.24 | 16.39 | 16.76 | 17.47 | 17.83 | 19.26 |
| 8H | 4H | 18.99 | 19.39 | 20.05 | 20.46 | 21.88 | 16.16 | 16.57 | 17.22 | 17.63 | 19.05 |
| | 6H | 19.41 | 19.74 | 20.50 | 20.85 | 22.27 | 16.65 | 16.98 | 17.74 | 18.09 | 19.51 |
| | 8H | 19.58 | 19.87 | 20.67 | 20.96 | 22.40 | 16.87 | 17.16 | 17.96 | 18.25 | 19.69 |
| | 12H | 19.66 | 19.91 | 20.75 | 20.99 | 22.47 | 16.95 | 17.21 | 18.05 | 18.29 | 19.77 |
| 12H | 4H | 18.95 | 19.31 | 20.03 | 20.39 | 21.81 | 16.18 | 16.54 | 17.26 | 17.62 | 19.04 |
| | 6H | 19.40 | 19.70 | 20.50 | 20.78 | 22.22 | 16.73 | 17.02 | 17.82 | 18.11 | 19.54 |
| | 8H | 19.59 | 19.85 | 20.69 | 20.93 | 22.41 | 16.97 | 17.22 | 18.06 | 18.31 | 19.79 |