

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: P1428227

Luminaire Tested: SQ2W-PR1-K-075U-050D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428227
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PR1-K-075U-050D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

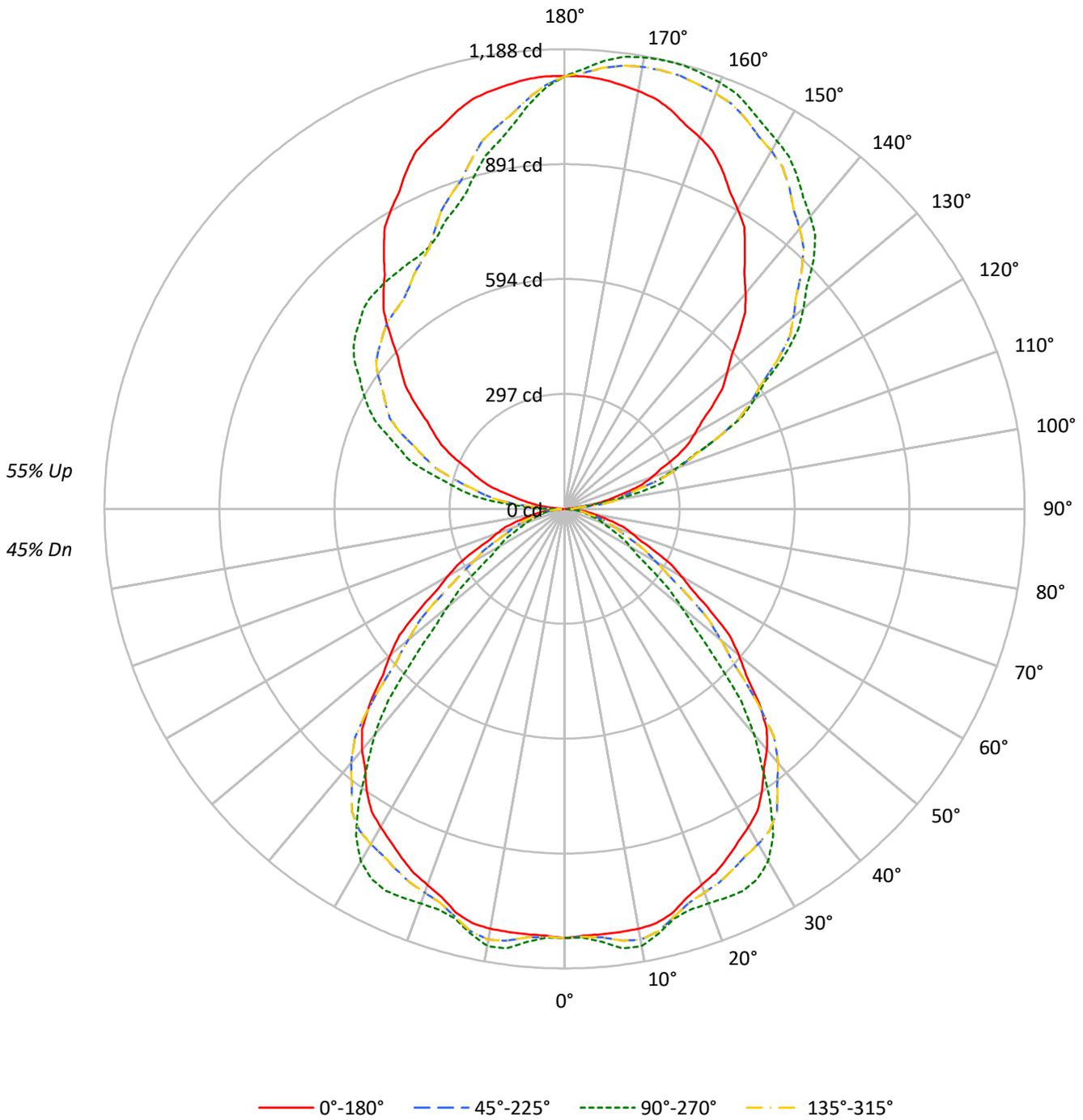
Lumens per Lamp: N/A
Luminaire Lumens: 5938.0 lumens
Efficiency: N/A
Efficacy: 143.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 41.4
Input Voltage (V): 120
Input Current (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: P1428227

CATALOG NUMBER: SQ2W-PR1-K-075U-050D-L830-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1428227

CATALOG NUMBER: SQ2W-PR1-K-075U-050D-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 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 81 | 81 | 81 | 65 | 65 | 65 | 52 | 52 | 52 | 45 | | | | 45 |
| 1 | 97 | 93 | 89 | 86 | 89 | 86 | 82 | 80 | 71 | 69 | 67 | 58 | 57 | 56 | 46 | 45 | 45 | 39 | | | | 39 |
| 2 | 89 | 82 | 76 | 71 | 81 | 75 | 70 | 66 | 63 | 60 | 57 | 52 | 49 | 47 | 41 | 40 | 38 | 34 | | | | 34 |
| 3 | 81 | 72 | 66 | 60 | 75 | 67 | 61 | 56 | 56 | 52 | 48 | 46 | 43 | 41 | 37 | 35 | 33 | 29 | | | | 29 |
| 4 | 75 | 64 | 57 | 51 | 68 | 59 | 53 | 48 | 50 | 45 | 41 | 42 | 38 | 35 | 34 | 31 | 29 | 25 | | | | 25 |
| 5 | 69 | 58 | 50 | 44 | 63 | 53 | 46 | 41 | 45 | 40 | 36 | 38 | 34 | 31 | 30 | 28 | 26 | 22 | | | | 22 |
| 6 | 63 | 52 | 44 | 38 | 58 | 48 | 41 | 36 | 41 | 35 | 31 | 34 | 30 | 27 | 28 | 25 | 23 | 20 | | | | 20 |
| 7 | 59 | 47 | 39 | 34 | 54 | 43 | 37 | 32 | 37 | 32 | 28 | 31 | 27 | 24 | 25 | 22 | 20 | 18 | | | | 18 |
| 8 | 54 | 42 | 35 | 30 | 50 | 39 | 33 | 28 | 34 | 29 | 25 | 28 | 24 | 21 | 23 | 20 | 18 | 16 | | | | 16 |
| 9 | 51 | 39 | 32 | 27 | 47 | 36 | 30 | 25 | 31 | 26 | 22 | 26 | 22 | 19 | 22 | 19 | 16 | 14 | | | | 14 |
| 10 | 47 | 36 | 29 | 24 | 44 | 33 | 27 | 23 | 29 | 23 | 20 | 24 | 20 | 18 | 20 | 17 | 15 | 13 | | | | 13 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 17909 | 17909 | 17909 | 17909 |
| 5° | 17885 | 18215 | 17885 | 18215 |
| 10° | 18073 | 18814 | 18073 | 18814 |
| 15° | 18067 | 18313 | 18067 | 18313 |
| 20° | 17775 | 18649 | 17775 | 18649 |
| 25° | 17726 | 19416 | 17726 | 19416 |
| 30° | 17706 | 19603 | 17706 | 19603 |
| 35° | 17538 | 18252 | 17538 | 18252 |
| 40° | 17133 | 16062 | 17133 | 16062 |
| 45° | 16212 | 12702 | 16212 | 12702 |
| 50° | 14739 | 9854 | 14739 | 9854 |
| 55° | 12954 | 7671 | 12954 | 7671 |
| 60° | 11208 | 6316 | 11208 | 6316 |
| 65° | 9677 | 5528 | 9677 | 5528 |
| 70° | 8700 | 4909 | 8700 | 4909 |
| 75° | 7972 | 4516 | 7972 | 4516 |
| 80° | 6936 | 4416 | 6936 | 4416 |
| 85° | 5020 | 2093 | 5020 | 2093 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 17406 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 107.1 | 1.8 |
| 10°-20° | 310.1 | 5.2 |
| 20°-30° | 479.3 | 8.1 |
| 30°-40° | 576.4 | 9.7 |
| 40°-50° | 517.6 | 8.7 |
| 50°-60° | 346.8 | 5.8 |
| 60°-70° | 201.8 | 3.4 |
| 70°-80° | 103.6 | 1.7 |
| 80°-90° | 30.2 | 0.5 |
| 90°-100° | 89.0 | 1.5 |
| 100°-110° | 259.5 | 4.4 |
| 110°-120° | 423.5 | 7.1 |
| 120°-130° | 537.4 | 9.1 |
| 130°-140° | 575.1 | 9.7 |
| 140°-150° | 537.0 | 9.0 |
| 150°-160° | 441.9 | 7.4 |
| 160°-170° | 296.3 | 5.0 |
| 170°-180° | 105.2 | 1.8 |
| 0°-30° | 896.5 | 15.1 |
| 0°-40° | 1473.0 | 24.8 |
| 0°-60° | 2337.5 | 39.4 |
| 0°-90° | 2673.1 | 45.0 |
| 90°-120° | 772.0 | 13.0 |
| 90°-150° | 2421.5 | 40.8 |
| 90°-180° | 3265.0 | 55.0 |
| 0°-180° | 5938.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1109 | 1109 | 1109 | 1109 | 1109 | |
| 5° | 1104 | 1124 | 1104 | 1124 | 1104 | 105 |
| 15° | 1081 | 1096 | 1081 | 1096 | 1081 | 304 |
| 25° | 995 | 1090 | 995 | 1090 | 995 | 459 |
| 35° | 890 | 926 | 890 | 926 | 890 | 555 |
| 45° | 710 | 556 | 710 | 556 | 710 | 543 |
| 55° | 460 | 272 | 460 | 272 | 460 | 414 |
| 65° | 253 | 145 | 253 | 145 | 253 | 256 |
| 75° | 128 | 72 | 128 | 72 | 128 | 136 |
| 85° | 27 | 11 | 27 | 11 | 27 | 34 |
| 90° | 3 | 25 | 3 | 49 | 3 | 4 |
| 95° | 35 | 26 | 35 | 152 | 35 | 42 |
| 105° | 165 | 264 | 165 | 364 | 165 | 175 |
| 115° | 316 | 438 | 316 | 540 | 316 | 312 |
| 125° | 468 | 695 | 468 | 662 | 468 | 418 |
| 135° | 636 | 909 | 636 | 733 | 636 | 491 |
| 145° | 812 | 1048 | 812 | 749 | 812 | 508 |
| 155° | 965 | 1138 | 965 | 777 | 965 | 443 |
| 165° | 1066 | 1187 | 1066 | 894 | 1066 | 300 |
| 175° | 1115 | 1162 | 1115 | 1049 | 1115 | 106 |
| 180° | 1118 | 1118 | 1118 | 1118 | 1118 | |



TEST NUMBER: P1428227

CATALOG NUMBER: SQ2W-PR1-K-075U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 |
| 2.5° | 1104.6 | 1110.7 | 1116.7 | 1114.0 | 1108.4 | 1105.8 | 1106.2 | 1106.8 | 1108.0 | 1109.2 | 1108.0 |
| 5° | 1103.5 | 1112.1 | 1120.6 | 1118.6 | 1113.1 | 1110.8 | 1111.8 | 1113.8 | 1118.8 | 1123.9 | 1118.8 |
| 7.5° | 1103.3 | 1115.5 | 1127.6 | 1128.5 | 1125.7 | 1125.8 | 1128.7 | 1132.5 | 1139.2 | 1145.8 | 1139.2 |
| 10° | 1102.4 | 1117.0 | 1131.5 | 1133.7 | 1131.7 | 1130.9 | 1131.4 | 1133.5 | 1140.6 | 1147.6 | 1140.6 |
| 12.5° | 1097.0 | 1113.9 | 1130.9 | 1129.1 | 1121.1 | 1116.7 | 1116.0 | 1116.5 | 1120.3 | 1124.1 | 1120.3 |
| 15° | 1080.9 | 1101.0 | 1121.1 | 1112.9 | 1095.4 | 1087.3 | 1088.8 | 1090.6 | 1093.1 | 1095.6 | 1093.1 |
| 17.5° | 1052.6 | 1073.6 | 1094.6 | 1087.3 | 1070.5 | 1064.8 | 1070.3 | 1075.6 | 1080.5 | 1085.4 | 1080.5 |
| 20° | 1034.5 | 1055.2 | 1075.8 | 1070.7 | 1057.2 | 1053.9 | 1060.9 | 1068.3 | 1076.9 | 1085.4 | 1076.9 |
| 22.5° | 1018.3 | 1038.9 | 1059.5 | 1056.3 | 1045.1 | 1044.4 | 1054.3 | 1064.6 | 1076.4 | 1088.1 | 1076.4 |
| 25° | 995.0 | 1013.1 | 1031.2 | 1031.5 | 1026.0 | 1031.5 | 1048.1 | 1063.8 | 1076.9 | 1089.9 | 1076.9 |
| 27.5° | 970.6 | 981.2 | 991.9 | 998.9 | 1004.7 | 1018.8 | 1041.3 | 1060.4 | 1069.5 | 1078.6 | 1069.5 |
| 30° | 949.7 | 956.8 | 963.8 | 976.9 | 992.0 | 1009.3 | 1028.9 | 1044.5 | 1048.0 | 1051.5 | 1048.0 |
| 32.5° | 927.1 | 931.4 | 935.6 | 954.0 | 977.1 | 993.8 | 1004.2 | 1010.8 | 1006.3 | 1001.8 | 1006.3 |
| 35° | 889.8 | 893.3 | 896.9 | 920.4 | 950.5 | 961.6 | 953.5 | 945.1 | 935.6 | 926.0 | 935.6 |
| 37.5° | 845.5 | 852.7 | 860.0 | 879.1 | 902.2 | 902.0 | 878.5 | 858.1 | 847.2 | 836.2 | 847.2 |
| 40° | 812.9 | 825.0 | 837.1 | 849.9 | 862.9 | 851.9 | 816.7 | 787.2 | 774.6 | 762.1 | 774.6 |
| 42.5° | 773.1 | 792.4 | 811.7 | 814.6 | 812.0 | 788.3 | 743.4 | 706.0 | 690.6 | 675.2 | 690.6 |
| 45° | 710.0 | 736.2 | 762.3 | 747.4 | 718.7 | 680.0 | 631.3 | 590.5 | 573.4 | 556.3 | 573.4 |
| 47.5° | 635.7 | 662.5 | 689.3 | 661.1 | 614.6 | 569.6 | 526.1 | 489.4 | 473.4 | 457.5 | 473.4 |
| 50° | 586.8 | 608.4 | 630.0 | 598.1 | 548.4 | 503.1 | 462.4 | 427.5 | 409.9 | 392.3 | 409.9 |
| 52.5° | 537.1 | 552.6 | 568.2 | 536.6 | 489.3 | 445.3 | 404.5 | 370.0 | 354.0 | 338.1 | 354.0 |
| 55° | 460.2 | 468.2 | 476.3 | 447.0 | 405.3 | 365.1 | 326.4 | 294.6 | 283.5 | 272.5 | 283.5 |
| 57.5° | 389.6 | 394.7 | 399.9 | 372.1 | 333.4 | 297.7 | 264.8 | 238.1 | 230.0 | 221.8 | 230.0 |
| 60° | 347.1 | 350.6 | 354.1 | 326.0 | 287.3 | 255.2 | 229.5 | 208.7 | 202.1 | 195.6 | 202.1 |
| 62.5° | 308.2 | 310.9 | 313.6 | 286.5 | 249.4 | 220.7 | 200.3 | 183.7 | 178.8 | 173.9 | 178.8 |
| 65° | 253.3 | 255.8 | 258.3 | 235.2 | 203.5 | 179.9 | 164.3 | 151.8 | 148.2 | 144.7 | 148.2 |
| 67.5° | 209.6 | 210.9 | 212.2 | 193.2 | 167.4 | 148.3 | 136.1 | 126.0 | 122.7 | 119.4 | 122.7 |
| 70° | 184.3 | 184.8 | 185.3 | 168.5 | 145.9 | 129.0 | 118.0 | 109.0 | 106.5 | 104.0 | 106.5 |
| 72.5° | 161.7 | 161.0 | 160.3 | 145.3 | 125.5 | 111.0 | 102.0 | 94.8 | 93.1 | 91.4 | 93.1 |
| 75° | 127.8 | 126.3 | 124.7 | 112.3 | 96.2 | 85.2 | 79.1 | 74.4 | 73.4 | 72.4 | 73.4 |
| 77.5° | 95.4 | 93.8 | 92.2 | 81.9 | 68.6 | 61.0 | 58.9 | 57.4 | 57.4 | 57.4 | 57.4 |
| 80° | 74.6 | 72.6 | 70.6 | 62.6 | 52.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| 82.5° | 55.6 | 52.8 | 50.0 | 45.1 | 39.4 | 36.6 | 36.6 | 36.5 | 36.1 | 35.7 | 36.1 |
| 85° | 27.1 | 24.6 | 22.1 | 21.5 | 21.5 | 20.0 | 17.0 | 14.3 | 12.8 | 11.3 | 12.8 |
| 87.5° | 7.9 | 8.8 | 9.9 | 9.3 | 8.0 | 7.2 | 7.2 | 7.5 | 7.7 | 7.7 | 7.7 |
| 90° | 3.4 | 7.9 | 13.6 | 18.1 | 21.5 | 22.6 | 22.6 | 23.7 | 24.8 | 24.8 | 24.8 |
| 92.5° | 12.4 | 19.7 | 19.9 | 19.9 | 24.2 | 26.2 | 28.0 | 28.2 | 29.4 | 29.4 | 29.4 |
| 95° | 35.0 | 38.4 | 57.6 | 56.5 | 38.4 | 30.5 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 |
| 97.5° | 66.9 | 71.8 | 75.0 | 100.5 | 106.2 | 102.6 | 83.6 | 70.3 | 62.8 | 59.4 | 62.8 |
| 100° | 94.9 | 97.1 | 103.9 | 105.0 | 133.3 | 160.4 | 146.8 | 129.9 | 124.2 | 120.9 | 124.2 |
| 102.5° | 122.9 | 124.2 | 134.6 | 139.4 | 145.9 | 161.3 | 208.3 | 203.1 | 199.2 | 198.6 | 199.2 |
| 105° | 164.9 | 166.0 | 185.2 | 194.3 | 198.8 | 198.8 | 197.7 | 220.2 | 256.4 | 264.3 | 256.4 |
| 107.5° | 209.9 | 215.1 | 237.6 | 261.8 | 267.0 | 268.4 | 262.5 | 259.1 | 257.7 | 258.7 | 257.7 |
| 110° | 240.6 | 248.5 | 275.6 | 306.1 | 314.0 | 316.3 | 314.0 | 310.6 | 308.3 | 308.3 | 308.3 |



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CATALOG NUMBER: SQ2W-PR1-K-075U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 270.4 | 281.9 | 312.6 | 347.7 | 361.0 | 367.8 | 362.8 | 360.3 | 358.0 | 359.9 | 358.0 |
| 115° | 316.3 | 333.2 | 373.9 | 410.0 | 437.1 | 440.5 | 439.4 | 439.4 | 438.2 | 438.2 | 438.2 |
| 117.5° | 358.7 | 385.8 | 431.5 | 473.5 | 504.9 | 513.9 | 518.4 | 517.1 | 515.7 | 518.0 | 515.7 |
| 120° | 388.5 | 420.2 | 472.1 | 519.6 | 550.1 | 563.6 | 568.1 | 565.9 | 568.1 | 565.9 | 568.1 |
| 122.5° | 420.2 | 459.0 | 510.1 | 559.3 | 595.2 | 610.6 | 616.0 | 616.5 | 616.9 | 615.6 | 616.9 |
| 125° | 467.6 | 515.0 | 574.9 | 625.7 | 663.0 | 681.1 | 685.6 | 686.7 | 689.0 | 694.6 | 689.0 |
| 127.5° | 515.5 | 569.3 | 635.0 | 684.0 | 722.2 | 744.1 | 751.1 | 753.6 | 758.3 | 760.8 | 758.3 |
| 130° | 548.9 | 609.9 | 676.6 | 722.9 | 760.1 | 783.9 | 796.3 | 799.7 | 805.3 | 804.2 | 805.3 |
| 132.5° | 584.2 | 647.9 | 715.4 | 763.5 | 798.1 | 823.6 | 834.2 | 843.9 | 846.0 | 847.6 | 846.0 |
| 135° | 635.9 | 704.8 | 772.6 | 820.0 | 852.8 | 877.6 | 891.2 | 900.2 | 905.8 | 909.2 | 905.8 |
| 137.5° | 690.3 | 763.1 | 828.1 | 870.4 | 903.4 | 924.8 | 940.2 | 949.7 | 955.5 | 958.2 | 955.5 |
| 140° | 727.4 | 797.4 | 860.7 | 904.7 | 934.1 | 955.5 | 969.1 | 980.4 | 987.2 | 987.2 | 987.2 |
| 142.5° | 762.6 | 831.7 | 893.2 | 937.2 | 963.0 | 982.6 | 997.1 | 1005.7 | 1013.4 | 1013.4 | 1013.4 |
| 145° | 812.1 | 881.0 | 937.5 | 981.5 | 1003.0 | 1021.0 | 1036.9 | 1043.6 | 1048.2 | 1048.2 | 1048.2 |
| 147.5° | 863.8 | 924.8 | 976.3 | 1018.6 | 1036.6 | 1057.9 | 1070.3 | 1075.7 | 1081.4 | 1078.9 | 1081.4 |
| 150° | 894.5 | 951.0 | 1000.7 | 1040.2 | 1058.3 | 1078.7 | 1091.1 | 1095.6 | 1101.2 | 1097.9 | 1101.2 |
| 152.5° | 924.4 | 978.1 | 1023.3 | 1060.1 | 1075.5 | 1095.8 | 1110.1 | 1114.6 | 1118.4 | 1115.9 | 1118.4 |
| 155° | 964.6 | 1012.0 | 1053.8 | 1087.7 | 1101.2 | 1120.4 | 1134.0 | 1139.6 | 1144.2 | 1138.5 | 1144.2 |
| 157.5° | 1000.5 | 1041.4 | 1077.7 | 1108.9 | 1123.4 | 1139.9 | 1152.5 | 1159.5 | 1164.0 | 1161.6 | 1164.0 |
| 160° | 1022.2 | 1059.4 | 1092.2 | 1121.6 | 1135.1 | 1149.8 | 1163.4 | 1171.3 | 1175.8 | 1172.4 | 1175.8 |
| 162.5° | 1040.2 | 1073.9 | 1104.9 | 1131.5 | 1143.3 | 1156.1 | 1172.4 | 1179.4 | 1183.9 | 1179.6 | 1183.9 |
| 165° | 1066.2 | 1093.3 | 1120.4 | 1143.0 | 1153.2 | 1163.4 | 1180.3 | 1188.2 | 1191.6 | 1187.1 | 1191.6 |
| 167.5° | 1085.9 | 1106.7 | 1128.6 | 1148.0 | 1155.5 | 1165.4 | 1182.3 | 1188.9 | 1193.2 | 1187.5 | 1193.2 |
| 170° | 1096.7 | 1114.8 | 1134.0 | 1149.8 | 1155.5 | 1164.5 | 1181.4 | 1187.1 | 1190.5 | 1184.8 | 1190.5 |
| 172.5° | 1105.8 | 1119.3 | 1134.9 | 1148.9 | 1151.8 | 1159.1 | 1175.1 | 1180.8 | 1183.2 | 1178.5 | 1183.2 |
| 175° | 1114.8 | 1122.7 | 1134.0 | 1143.0 | 1141.9 | 1146.4 | 1160.0 | 1164.5 | 1169.0 | 1162.2 | 1169.0 |
| 177.5° | 1119.1 | 1122.7 | 1126.3 | 1131.7 | 1128.1 | 1128.1 | 1138.1 | 1140.8 | 1141.7 | 1138.1 | 1141.7 |
| 180° | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 |



TEST NUMBER: P1428227

CATALOG NUMBER: SQ2W-PR1-K-075U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 |
| 2.5° | 1106.8 | 1106.2 | 1105.8 | 1108.4 | 1114.0 | 1116.7 | 1110.7 | 1104.6 | 1110.7 | 1116.7 | 1114.0 |
| 5° | 1113.8 | 1111.8 | 1110.8 | 1113.1 | 1118.6 | 1120.6 | 1112.1 | 1103.5 | 1112.1 | 1120.6 | 1118.6 |
| 7.5° | 1132.5 | 1128.7 | 1125.8 | 1125.7 | 1128.5 | 1127.6 | 1115.5 | 1103.3 | 1115.5 | 1127.6 | 1128.5 |
| 10° | 1133.5 | 1131.4 | 1130.9 | 1131.7 | 1133.7 | 1131.5 | 1117.0 | 1102.4 | 1117.0 | 1131.5 | 1133.7 |
| 12.5° | 1116.5 | 1116.0 | 1116.7 | 1121.1 | 1129.1 | 1130.9 | 1113.9 | 1097.0 | 1113.9 | 1130.9 | 1129.1 |
| 15° | 1090.6 | 1088.8 | 1087.3 | 1095.4 | 1112.9 | 1121.1 | 1101.0 | 1080.9 | 1101.0 | 1121.1 | 1112.9 |
| 17.5° | 1075.6 | 1070.3 | 1064.8 | 1070.5 | 1087.3 | 1094.6 | 1073.6 | 1052.6 | 1073.6 | 1094.6 | 1087.3 |
| 20° | 1068.3 | 1060.9 | 1053.9 | 1057.2 | 1070.7 | 1075.8 | 1055.2 | 1034.5 | 1055.2 | 1075.8 | 1070.7 |
| 22.5° | 1064.6 | 1054.3 | 1044.4 | 1045.1 | 1056.3 | 1059.5 | 1038.9 | 1018.3 | 1038.9 | 1059.5 | 1056.3 |
| 25° | 1063.8 | 1048.1 | 1031.5 | 1026.0 | 1031.5 | 1031.2 | 1013.1 | 995.0 | 1013.1 | 1031.2 | 1031.5 |
| 27.5° | 1060.4 | 1041.3 | 1018.8 | 1004.7 | 998.9 | 991.9 | 981.2 | 970.6 | 981.2 | 991.9 | 998.9 |
| 30° | 1044.5 | 1028.9 | 1009.3 | 992.0 | 976.9 | 963.8 | 956.8 | 949.7 | 956.8 | 963.8 | 976.9 |
| 32.5° | 1010.8 | 1004.2 | 993.8 | 977.1 | 954.0 | 935.6 | 931.4 | 927.1 | 931.4 | 935.6 | 954.0 |
| 35° | 945.1 | 953.5 | 961.6 | 950.5 | 920.4 | 896.9 | 893.3 | 889.8 | 893.3 | 896.9 | 920.4 |
| 37.5° | 858.1 | 878.5 | 902.0 | 902.2 | 879.1 | 860.0 | 852.7 | 845.5 | 852.7 | 860.0 | 879.1 |
| 40° | 787.2 | 816.7 | 851.9 | 862.9 | 849.9 | 837.1 | 825.0 | 812.9 | 825.0 | 837.1 | 849.9 |
| 42.5° | 706.0 | 743.4 | 788.3 | 812.0 | 814.6 | 811.7 | 792.4 | 773.1 | 792.4 | 811.7 | 814.6 |
| 45° | 590.5 | 631.3 | 680.0 | 718.7 | 747.4 | 762.3 | 736.2 | 710.0 | 736.2 | 762.3 | 747.4 |
| 47.5° | 489.4 | 526.1 | 569.6 | 614.6 | 661.1 | 689.3 | 662.5 | 635.7 | 662.5 | 689.3 | 661.1 |
| 50° | 427.5 | 462.4 | 503.1 | 548.4 | 598.1 | 630.0 | 608.4 | 586.8 | 608.4 | 630.0 | 598.1 |
| 52.5° | 370.0 | 404.5 | 445.3 | 489.3 | 536.6 | 568.2 | 552.6 | 537.1 | 552.6 | 568.2 | 536.6 |
| 55° | 294.6 | 326.4 | 365.1 | 405.3 | 447.0 | 476.3 | 468.2 | 460.2 | 468.2 | 476.3 | 447.0 |
| 57.5° | 238.1 | 264.8 | 297.7 | 333.4 | 372.1 | 399.9 | 394.7 | 389.6 | 394.7 | 399.9 | 372.1 |
| 60° | 208.7 | 229.5 | 255.2 | 287.3 | 326.0 | 354.1 | 350.6 | 347.1 | 350.6 | 354.1 | 326.0 |
| 62.5° | 183.7 | 200.3 | 220.7 | 249.4 | 286.5 | 313.6 | 310.9 | 308.2 | 310.9 | 313.6 | 286.5 |
| 65° | 151.8 | 164.3 | 179.9 | 203.5 | 235.2 | 258.3 | 255.8 | 253.3 | 255.8 | 258.3 | 235.2 |
| 67.5° | 126.0 | 136.1 | 148.3 | 167.4 | 193.2 | 212.2 | 210.9 | 209.6 | 210.9 | 212.2 | 193.2 |
| 70° | 109.0 | 118.0 | 129.0 | 145.9 | 168.5 | 185.3 | 184.8 | 184.3 | 184.8 | 185.3 | 168.5 |
| 72.5° | 94.8 | 102.0 | 111.0 | 125.5 | 145.3 | 160.3 | 161.0 | 161.7 | 161.0 | 160.3 | 145.3 |
| 75° | 74.4 | 79.1 | 85.2 | 96.2 | 112.3 | 124.7 | 126.3 | 127.8 | 126.3 | 124.7 | 112.3 |
| 77.5° | 57.4 | 58.9 | 61.0 | 68.6 | 81.9 | 92.2 | 93.8 | 95.4 | 93.8 | 92.2 | 81.9 |
| 80° | 47.5 | 47.5 | 47.5 | 52.5 | 62.6 | 70.6 | 72.6 | 74.6 | 72.6 | 70.6 | 62.6 |
| 82.5° | 36.5 | 36.6 | 36.6 | 39.4 | 45.1 | 50.0 | 52.8 | 55.6 | 52.8 | 50.0 | 45.1 |
| 85° | 14.3 | 17.0 | 20.0 | 21.5 | 21.5 | 22.1 | 24.6 | 27.1 | 24.6 | 22.1 | 21.5 |
| 87.5° | 7.5 | 7.2 | 7.2 | 8.0 | 9.3 | 9.9 | 8.8 | 7.9 | 8.8 | 9.7 | 9.8 |
| 90° | 23.7 | 22.6 | 22.6 | 21.5 | 18.1 | 13.6 | 7.9 | 3.4 | 7.9 | 12.4 | 20.3 |
| 92.5° | 28.2 | 28.0 | 26.2 | 24.2 | 19.9 | 19.9 | 19.7 | 12.4 | 21.5 | 30.5 | 43.8 |
| 95° | 26.0 | 26.0 | 30.5 | 38.4 | 56.5 | 57.6 | 38.4 | 35.0 | 49.7 | 70.0 | 88.1 |
| 97.5° | 70.3 | 83.6 | 102.6 | 106.2 | 100.5 | 75.0 | 71.8 | 66.9 | 91.0 | 111.1 | 140.3 |
| 100° | 129.9 | 146.8 | 160.4 | 133.3 | 105.0 | 103.9 | 97.1 | 94.9 | 120.9 | 140.1 | 168.3 |
| 102.5° | 203.1 | 208.3 | 161.3 | 145.9 | 139.4 | 134.6 | 124.2 | 122.9 | 148.9 | 175.3 | 199.0 |
| 105° | 220.2 | 197.7 | 198.8 | 198.8 | 194.3 | 185.2 | 166.0 | 164.9 | 194.3 | 224.8 | 254.1 |
| 107.5° | 259.1 | 262.5 | 268.4 | 267.0 | 261.8 | 237.6 | 215.1 | 209.9 | 236.3 | 272.9 | 305.2 |
| 110° | 310.6 | 314.0 | 316.3 | 314.0 | 306.1 | 275.6 | 248.5 | 240.6 | 264.3 | 302.7 | 337.7 |



TEST NUMBER: P1428227

CATALOG NUMBER: SQ2W-PR1-K-075U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 360.3 | 362.8 | 367.8 | 361.0 | 347.7 | 312.6 | 281.9 | 270.4 | 294.1 | 333.4 | 369.3 |
| 115° | 439.4 | 439.4 | 440.5 | 437.1 | 410.0 | 373.9 | 333.2 | 316.3 | 336.6 | 372.7 | 412.3 |
| 117.5° | 517.1 | 518.4 | 513.9 | 504.9 | 473.5 | 431.5 | 385.8 | 358.7 | 374.8 | 412.9 | 453.6 |
| 120° | 565.9 | 568.1 | 563.6 | 550.1 | 519.6 | 472.1 | 420.2 | 388.5 | 401.0 | 438.2 | 478.9 |
| 122.5° | 616.5 | 616.0 | 610.6 | 595.2 | 559.3 | 510.1 | 459.0 | 420.2 | 425.4 | 459.9 | 499.7 |
| 125° | 686.7 | 685.6 | 681.1 | 663.0 | 625.7 | 574.9 | 515.0 | 467.6 | 460.8 | 490.2 | 530.9 |
| 127.5° | 753.6 | 751.1 | 744.1 | 722.2 | 684.0 | 635.0 | 569.3 | 515.5 | 500.4 | 518.9 | 556.2 |
| 130° | 799.7 | 796.3 | 783.9 | 760.1 | 722.9 | 676.6 | 609.9 | 548.9 | 527.5 | 538.8 | 571.5 |
| 132.5° | 843.9 | 834.2 | 823.6 | 798.1 | 763.5 | 715.4 | 647.9 | 584.2 | 554.6 | 559.5 | 585.1 |
| 135° | 900.2 | 891.2 | 877.6 | 852.8 | 820.0 | 772.6 | 704.8 | 635.9 | 595.2 | 590.7 | 605.4 |
| 137.5° | 949.7 | 940.2 | 924.8 | 903.4 | 870.4 | 828.1 | 763.1 | 690.3 | 639.1 | 623.9 | 629.6 |
| 140° | 980.4 | 969.1 | 955.5 | 934.1 | 904.7 | 860.7 | 797.4 | 727.4 | 669.8 | 648.3 | 644.9 |
| 142.5° | 1005.7 | 997.1 | 982.6 | 963.0 | 937.2 | 893.2 | 831.7 | 762.6 | 701.4 | 673.6 | 665.7 |
| 145° | 1043.6 | 1036.9 | 1021.0 | 1003.0 | 981.5 | 937.5 | 881.0 | 812.1 | 751.1 | 715.0 | 698.0 |
| 147.5° | 1075.7 | 1070.3 | 1057.9 | 1036.6 | 1018.6 | 976.3 | 924.8 | 863.8 | 801.3 | 756.5 | 734.6 |
| 150° | 1095.6 | 1091.1 | 1078.7 | 1058.3 | 1040.2 | 1000.7 | 951.0 | 894.5 | 834.7 | 787.2 | 759.0 |
| 152.5° | 1114.6 | 1110.1 | 1095.8 | 1075.5 | 1060.1 | 1023.3 | 978.1 | 924.4 | 863.6 | 816.2 | 787.0 |
| 155° | 1139.6 | 1134.0 | 1120.4 | 1101.2 | 1087.7 | 1053.8 | 1012.0 | 964.6 | 912.6 | 862.9 | 830.2 |
| 157.5° | 1159.5 | 1152.5 | 1139.9 | 1123.4 | 1108.9 | 1077.7 | 1041.4 | 1000.5 | 955.1 | 907.6 | 874.2 |
| 160° | 1171.3 | 1163.4 | 1149.8 | 1135.1 | 1121.6 | 1092.2 | 1059.4 | 1022.2 | 980.4 | 937.5 | 901.3 |
| 162.5° | 1179.4 | 1172.4 | 1156.1 | 1143.3 | 1131.5 | 1104.9 | 1073.9 | 1040.2 | 1003.0 | 965.5 | 932.0 |
| 165° | 1188.2 | 1180.3 | 1163.4 | 1153.2 | 1143.0 | 1120.4 | 1093.3 | 1066.2 | 1034.6 | 1004.1 | 977.0 |
| 167.5° | 1188.9 | 1182.3 | 1165.4 | 1155.5 | 1148.0 | 1128.6 | 1106.7 | 1085.9 | 1061.3 | 1037.3 | 1014.7 |
| 170° | 1187.1 | 1181.4 | 1164.5 | 1155.5 | 1149.8 | 1134.0 | 1114.8 | 1096.7 | 1077.5 | 1057.2 | 1039.1 |
| 172.5° | 1180.8 | 1175.1 | 1159.1 | 1151.8 | 1148.9 | 1134.9 | 1119.3 | 1105.8 | 1089.3 | 1074.4 | 1059.9 |
| 175° | 1164.5 | 1160.0 | 1146.4 | 1141.9 | 1143.0 | 1134.0 | 1122.7 | 1114.8 | 1104.6 | 1095.6 | 1087.7 |
| 177.5° | 1140.8 | 1138.1 | 1128.1 | 1128.1 | 1131.7 | 1126.3 | 1122.7 | 1119.1 | 1114.6 | 1111.9 | 1109.1 |
| 180° | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 |



TEST NUMBER: P1428227

CATALOG NUMBER: SQ2W-PR1-K-075U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 |
| 2.5° | 1108.4 | 1105.8 | 1106.2 | 1106.8 | 1108.0 | 1109.2 | 1108.0 | 1106.8 | 1106.2 | 1105.8 | 1108.4 |
| 5° | 1113.1 | 1110.8 | 1111.8 | 1113.8 | 1118.8 | 1123.9 | 1118.8 | 1113.8 | 1111.8 | 1110.8 | 1113.1 |
| 7.5° | 1125.7 | 1125.8 | 1128.7 | 1132.5 | 1139.2 | 1145.8 | 1139.2 | 1132.5 | 1128.7 | 1125.8 | 1125.7 |
| 10° | 1131.7 | 1130.9 | 1131.4 | 1133.5 | 1140.6 | 1147.6 | 1140.6 | 1133.5 | 1131.4 | 1130.9 | 1131.7 |
| 12.5° | 1121.1 | 1116.7 | 1116.0 | 1116.5 | 1120.3 | 1124.1 | 1120.3 | 1116.5 | 1116.0 | 1116.7 | 1121.1 |
| 15° | 1095.4 | 1087.3 | 1088.8 | 1090.6 | 1093.1 | 1095.6 | 1093.1 | 1090.6 | 1088.8 | 1087.3 | 1095.4 |
| 17.5° | 1070.5 | 1064.8 | 1070.3 | 1075.6 | 1080.5 | 1085.4 | 1080.5 | 1075.6 | 1070.3 | 1064.8 | 1070.5 |
| 20° | 1057.2 | 1053.9 | 1060.9 | 1068.3 | 1076.9 | 1085.4 | 1076.9 | 1068.3 | 1060.9 | 1053.9 | 1057.2 |
| 22.5° | 1045.1 | 1044.4 | 1054.3 | 1064.6 | 1076.4 | 1088.1 | 1076.4 | 1064.6 | 1054.3 | 1044.4 | 1045.1 |
| 25° | 1026.0 | 1031.5 | 1048.1 | 1063.8 | 1076.9 | 1089.9 | 1076.9 | 1063.8 | 1048.1 | 1031.5 | 1026.0 |
| 27.5° | 1004.7 | 1018.8 | 1041.3 | 1060.4 | 1069.5 | 1078.6 | 1069.5 | 1060.4 | 1041.3 | 1018.8 | 1004.7 |
| 30° | 992.0 | 1009.3 | 1028.9 | 1044.5 | 1048.0 | 1051.5 | 1048.0 | 1044.5 | 1028.9 | 1009.3 | 992.0 |
| 32.5° | 977.1 | 993.8 | 1004.2 | 1010.8 | 1006.3 | 1001.8 | 1006.3 | 1010.8 | 1004.2 | 993.8 | 977.1 |
| 35° | 950.5 | 961.6 | 953.5 | 945.1 | 935.6 | 926.0 | 935.6 | 945.1 | 953.5 | 961.6 | 950.5 |
| 37.5° | 902.2 | 902.0 | 878.5 | 858.1 | 847.2 | 836.2 | 847.2 | 858.1 | 878.5 | 902.0 | 902.2 |
| 40° | 862.9 | 851.9 | 816.7 | 787.2 | 774.6 | 762.1 | 774.6 | 787.2 | 816.7 | 851.9 | 862.9 |
| 42.5° | 812.0 | 788.3 | 743.4 | 706.0 | 690.6 | 675.2 | 690.6 | 706.0 | 743.4 | 788.3 | 812.0 |
| 45° | 718.7 | 680.0 | 631.3 | 590.5 | 573.4 | 556.3 | 573.4 | 590.5 | 631.3 | 680.0 | 718.7 |
| 47.5° | 614.6 | 569.6 | 526.1 | 489.4 | 473.4 | 457.5 | 473.4 | 489.4 | 526.1 | 569.6 | 614.6 |
| 50° | 548.4 | 503.1 | 462.4 | 427.5 | 409.9 | 392.3 | 409.9 | 427.5 | 462.4 | 503.1 | 548.4 |
| 52.5° | 489.3 | 445.3 | 404.5 | 370.0 | 354.0 | 338.1 | 354.0 | 370.0 | 404.5 | 445.3 | 489.3 |
| 55° | 405.3 | 365.1 | 326.4 | 294.6 | 283.5 | 272.5 | 283.5 | 294.6 | 326.4 | 365.1 | 405.3 |
| 57.5° | 333.4 | 297.7 | 264.8 | 238.1 | 230.0 | 221.8 | 230.0 | 238.1 | 264.8 | 297.7 | 333.4 |
| 60° | 287.3 | 255.2 | 229.5 | 208.7 | 202.1 | 195.6 | 202.1 | 208.7 | 229.5 | 255.2 | 287.3 |
| 62.5° | 249.4 | 220.7 | 200.3 | 183.7 | 178.8 | 173.9 | 178.8 | 183.7 | 200.3 | 220.7 | 249.4 |
| 65° | 203.5 | 179.9 | 164.3 | 151.8 | 148.2 | 144.7 | 148.2 | 151.8 | 164.3 | 179.9 | 203.5 |
| 67.5° | 167.4 | 148.3 | 136.1 | 126.0 | 122.7 | 119.4 | 122.7 | 126.0 | 136.1 | 148.3 | 167.4 |
| 70° | 145.9 | 129.0 | 118.0 | 109.0 | 106.5 | 104.0 | 106.5 | 109.0 | 118.0 | 129.0 | 145.9 |
| 72.5° | 125.5 | 111.0 | 102.0 | 94.8 | 93.1 | 91.4 | 93.1 | 94.8 | 102.0 | 111.0 | 125.5 |
| 75° | 96.2 | 85.2 | 79.1 | 74.4 | 73.4 | 72.4 | 73.4 | 74.4 | 79.1 | 85.2 | 96.2 |
| 77.5° | 68.6 | 61.0 | 58.9 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 58.9 | 61.0 | 68.6 |
| 80° | 52.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 52.5 |
| 82.5° | 39.4 | 36.6 | 36.6 | 36.5 | 36.1 | 35.7 | 36.1 | 36.5 | 36.6 | 36.6 | 39.4 |
| 85° | 21.5 | 20.0 | 17.0 | 14.3 | 12.8 | 11.3 | 12.8 | 14.3 | 17.0 | 20.0 | 21.5 |
| 87.5° | 8.9 | 9.5 | 11.1 | 12.0 | 12.9 | 12.4 | 12.9 | 12.0 | 11.1 | 9.5 | 8.9 |
| 90° | 26.0 | 33.9 | 41.8 | 46.3 | 50.8 | 48.6 | 50.8 | 46.3 | 41.8 | 33.9 | 26.0 |
| 92.5° | 52.2 | 65.5 | 75.2 | 83.4 | 87.0 | 86.5 | 87.0 | 83.4 | 75.2 | 65.5 | 52.2 |
| 95° | 105.0 | 120.9 | 136.7 | 148.0 | 154.7 | 152.5 | 154.7 | 148.0 | 136.7 | 120.9 | 105.0 |
| 97.5° | 162.0 | 183.2 | 200.8 | 211.4 | 218.2 | 222.7 | 218.2 | 211.4 | 200.8 | 183.2 | 162.0 |
| 100° | 199.9 | 220.2 | 240.6 | 253.0 | 264.3 | 268.8 | 264.3 | 253.0 | 240.6 | 220.2 | 199.9 |
| 102.5° | 230.6 | 257.3 | 279.4 | 292.8 | 302.2 | 306.8 | 302.2 | 292.8 | 279.4 | 257.3 | 230.6 |
| 105° | 281.2 | 309.5 | 333.2 | 350.1 | 360.3 | 363.7 | 360.3 | 350.1 | 333.2 | 309.5 | 281.2 |
| 107.5° | 331.8 | 361.0 | 382.9 | 401.6 | 414.1 | 421.3 | 414.1 | 401.6 | 382.9 | 361.0 | 331.8 |
| 110° | 371.6 | 395.3 | 419.0 | 436.0 | 448.4 | 452.9 | 448.4 | 436.0 | 419.0 | 395.3 | 371.6 |

TEST NUMBER: P1428227

CATALOG NUMBER: SQ2W-PR1-K-075U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 405.0 | 431.5 | 455.2 | 472.1 | 486.4 | 492.7 | 486.4 | 472.1 | 455.2 | 431.5 | 405.0 |
| 115° | 451.8 | 486.8 | 508.3 | 524.1 | 534.2 | 539.9 | 534.2 | 524.1 | 508.3 | 486.8 | 451.8 |
| 117.5° | 490.6 | 527.2 | 550.7 | 562.9 | 567.7 | 571.7 | 567.7 | 562.9 | 550.7 | 527.2 | 490.6 |
| 120° | 515.0 | 548.9 | 576.0 | 591.8 | 597.5 | 599.8 | 597.5 | 591.8 | 576.0 | 548.9 | 515.0 |
| 122.5° | 537.6 | 569.7 | 595.9 | 615.3 | 624.6 | 626.9 | 624.6 | 615.3 | 595.9 | 569.7 | 537.6 |
| 125° | 569.3 | 599.8 | 626.9 | 646.1 | 656.2 | 661.9 | 656.2 | 646.1 | 626.9 | 599.8 | 569.3 |
| 127.5° | 596.8 | 629.8 | 654.6 | 672.0 | 682.0 | 686.5 | 682.0 | 672.0 | 654.6 | 629.8 | 596.8 |
| 130° | 612.2 | 646.1 | 670.9 | 690.1 | 699.1 | 703.7 | 699.1 | 690.1 | 670.9 | 646.1 | 612.2 |
| 132.5° | 623.9 | 659.6 | 685.4 | 702.8 | 712.7 | 717.2 | 712.7 | 702.8 | 685.4 | 659.6 | 623.9 |
| 135° | 638.2 | 675.4 | 702.5 | 719.5 | 728.5 | 733.0 | 728.5 | 719.5 | 702.5 | 675.4 | 638.2 |
| 137.5° | 650.6 | 684.5 | 712.7 | 730.5 | 738.7 | 741.6 | 738.7 | 730.5 | 712.7 | 684.5 | 650.6 |
| 140° | 659.6 | 689.0 | 717.2 | 734.2 | 743.2 | 744.3 | 743.2 | 734.2 | 717.2 | 689.0 | 659.6 |
| 142.5° | 671.4 | 694.4 | 719.0 | 736.0 | 745.0 | 747.0 | 745.0 | 736.0 | 719.0 | 694.4 | 671.4 |
| 145° | 692.4 | 705.9 | 722.9 | 738.7 | 746.6 | 748.8 | 746.6 | 738.7 | 722.9 | 705.9 | 692.4 |
| 147.5° | 718.8 | 723.1 | 731.9 | 742.3 | 750.0 | 751.6 | 750.0 | 742.3 | 731.9 | 723.1 | 718.8 |
| 150° | 738.7 | 737.5 | 740.9 | 747.7 | 754.5 | 753.4 | 754.5 | 747.7 | 740.9 | 737.5 | 738.7 |
| 152.5° | 761.3 | 754.7 | 754.5 | 757.7 | 760.8 | 760.6 | 760.8 | 757.7 | 754.5 | 754.7 | 761.3 |
| 155° | 799.7 | 787.2 | 780.5 | 778.2 | 778.2 | 777.1 | 778.2 | 778.2 | 780.5 | 787.2 | 799.7 |
| 157.5° | 841.9 | 824.5 | 814.4 | 808.9 | 807.4 | 804.9 | 807.4 | 808.9 | 814.4 | 824.5 | 841.9 |
| 160° | 870.8 | 851.6 | 841.5 | 832.4 | 829.0 | 825.6 | 829.0 | 832.4 | 841.5 | 851.6 | 870.8 |
| 162.5° | 897.9 | 879.6 | 868.6 | 860.4 | 857.0 | 851.9 | 857.0 | 860.4 | 868.6 | 879.6 | 897.9 |
| 165° | 942.0 | 922.8 | 910.4 | 903.6 | 899.1 | 894.5 | 899.1 | 903.6 | 910.4 | 922.8 | 942.0 |
| 167.5° | 986.0 | 965.0 | 956.9 | 949.2 | 944.9 | 936.8 | 944.9 | 949.2 | 956.9 | 965.0 | 986.0 |
| 170° | 1013.1 | 993.9 | 989.4 | 982.6 | 974.7 | 965.7 | 974.7 | 982.6 | 989.4 | 993.9 | 1013.1 |
| 172.5° | 1036.6 | 1023.8 | 1019.2 | 1012.5 | 1010.0 | 1002.7 | 1010.0 | 1012.5 | 1019.2 | 1023.8 | 1036.6 |
| 175° | 1070.7 | 1060.6 | 1060.6 | 1059.4 | 1056.1 | 1049.3 | 1056.1 | 1059.4 | 1060.6 | 1060.6 | 1070.7 |
| 177.5° | 1099.2 | 1093.8 | 1097.4 | 1097.4 | 1096.5 | 1090.2 | 1096.5 | 1097.4 | 1097.4 | 1093.8 | 1099.2 |
| 180° | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 |



TEST NUMBER: P1428227

CATALOG NUMBER: SQ2W-PR1-K-075U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|
| 0° | 1109.2 | 1109.2 | 1109.2 | 1109.2 |
| 2.5° | 1114.0 | 1116.7 | 1110.7 | 1104.6 |
| 5° | 1118.6 | 1120.6 | 1112.1 | 1103.5 |
| 7.5° | 1128.5 | 1127.6 | 1115.5 | 1103.3 |
| 10° | 1133.7 | 1131.5 | 1117.0 | 1102.4 |
| 12.5° | 1129.1 | 1130.9 | 1113.9 | 1097.0 |
| 15° | 1112.9 | 1121.1 | 1101.0 | 1080.9 |
| 17.5° | 1087.3 | 1094.6 | 1073.6 | 1052.6 |
| 20° | 1070.7 | 1075.8 | 1055.2 | 1034.5 |
| 22.5° | 1056.3 | 1059.5 | 1038.9 | 1018.3 |
| 25° | 1031.5 | 1031.2 | 1013.1 | 995.0 |
| 27.5° | 998.9 | 991.9 | 981.2 | 970.6 |
| 30° | 976.9 | 963.8 | 956.8 | 949.7 |
| 32.5° | 954.0 | 935.6 | 931.4 | 927.1 |
| 35° | 920.4 | 896.9 | 893.3 | 889.8 |
| 37.5° | 879.1 | 860.0 | 852.7 | 845.5 |
| 40° | 849.9 | 837.1 | 825.0 | 812.9 |
| 42.5° | 814.6 | 811.7 | 792.4 | 773.1 |
| 45° | 747.4 | 762.3 | 736.2 | 710.0 |
| 47.5° | 661.1 | 689.3 | 662.5 | 635.7 |
| 50° | 598.1 | 630.0 | 608.4 | 586.8 |
| 52.5° | 536.6 | 568.2 | 552.6 | 537.1 |
| 55° | 447.0 | 476.3 | 468.2 | 460.2 |
| 57.5° | 372.1 | 399.9 | 394.7 | 389.6 |
| 60° | 326.0 | 354.1 | 350.6 | 347.1 |
| 62.5° | 286.5 | 313.6 | 310.9 | 308.2 |
| 65° | 235.2 | 258.3 | 255.8 | 253.3 |
| 67.5° | 193.2 | 212.2 | 210.9 | 209.6 |
| 70° | 168.5 | 185.3 | 184.8 | 184.3 |
| 72.5° | 145.3 | 160.3 | 161.0 | 161.7 |
| 75° | 112.3 | 124.7 | 126.3 | 127.8 |
| 77.5° | 81.9 | 92.2 | 93.8 | 95.4 |
| 80° | 62.6 | 70.6 | 72.6 | 74.6 |
| 82.5° | 45.1 | 50.0 | 52.8 | 55.6 |
| 85° | 21.5 | 22.1 | 24.6 | 27.1 |
| 87.5° | 9.8 | 9.7 | 8.8 | 7.9 |
| 90° | 20.3 | 12.4 | 7.9 | 3.4 |
| 92.5° | 43.8 | 30.5 | 21.5 | 12.4 |
| 95° | 88.1 | 70.0 | 49.7 | 35.0 |
| 97.5° | 140.3 | 111.1 | 91.0 | 66.9 |
| 100° | 168.3 | 140.1 | 120.9 | 94.9 |
| 102.5° | 199.0 | 175.3 | 148.9 | 122.9 |
| 105° | 254.1 | 224.8 | 194.3 | 164.9 |
| 107.5° | 305.2 | 272.9 | 236.3 | 209.9 |
| 110° | 337.7 | 302.7 | 264.3 | 240.6 |

TEST NUMBER: P1428227

CATALOG NUMBER: SQ2W-PR1-K-075U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|
| 112.5° | 369.3 | 333.4 | 294.1 | 270.4 |
| 115° | 412.3 | 372.7 | 336.6 | 316.3 |
| 117.5° | 453.6 | 412.9 | 374.8 | 358.7 |
| 120° | 478.9 | 438.2 | 401.0 | 388.5 |
| 122.5° | 499.7 | 459.9 | 425.4 | 420.2 |
| 125° | 530.9 | 490.2 | 460.8 | 467.6 |
| 127.5° | 556.2 | 518.9 | 500.4 | 515.5 |
| 130° | 571.5 | 538.8 | 527.5 | 548.9 |
| 132.5° | 585.1 | 559.5 | 554.6 | 584.2 |
| 135° | 605.4 | 590.7 | 595.2 | 635.9 |
| 137.5° | 629.6 | 623.9 | 639.1 | 690.3 |
| 140° | 644.9 | 648.3 | 669.8 | 727.4 |
| 142.5° | 665.7 | 673.6 | 701.4 | 762.6 |
| 145° | 698.0 | 715.0 | 751.1 | 812.1 |
| 147.5° | 734.6 | 756.5 | 801.3 | 863.8 |
| 150° | 759.0 | 787.2 | 834.7 | 894.5 |
| 152.5° | 787.0 | 816.2 | 863.6 | 924.4 |
| 155° | 830.2 | 862.9 | 912.6 | 964.6 |
| 157.5° | 874.2 | 907.6 | 955.1 | 1000.5 |
| 160° | 901.3 | 937.5 | 980.4 | 1022.2 |
| 162.5° | 932.0 | 965.5 | 1003.0 | 1040.2 |
| 165° | 977.0 | 1004.1 | 1034.6 | 1066.2 |
| 167.5° | 1014.7 | 1037.3 | 1061.3 | 1085.9 |
| 170° | 1039.1 | 1057.2 | 1077.5 | 1096.7 |
| 172.5° | 1059.9 | 1074.4 | 1089.3 | 1105.8 |
| 175° | 1087.7 | 1095.6 | 1104.6 | 1114.8 |
| 177.5° | 1109.1 | 1111.9 | 1114.6 | 1119.1 |
| 180° | 1118.2 | 1118.2 | 1118.2 | 1118.2 |



TEST NUMBER: P1428227

CATALOG NUMBER: SQ2W-PR1-K-075U-050D-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 | 16.21 | 16.99 | 17.22 | 18.00 | 19.35 | 12.58 | 13.36 | 13.58 | 14.37 | 15.72 |
| | 3H | 17.41 | 18.11 | 18.43 | 19.13 | 20.49 | 13.73 | 14.43 | 14.75 | 15.45 | 16.82 |
| | 4H | 17.89 | 18.55 | 18.92 | 19.58 | 20.95 | 14.19 | 14.86 | 15.22 | 15.88 | 17.25 |
| | 6H | 18.19 | 18.79 | 19.23 | 19.82 | 21.21 | 14.53 | 15.14 | 15.57 | 16.17 | 17.55 |
| | 8H | 18.29 | 18.86 | 19.33 | 19.91 | 21.29 | 14.67 | 15.24 | 15.71 | 16.29 | 17.67 |
| | 12H | 18.32 | 18.87 | 19.37 | 19.91 | 21.31 | 14.70 | 15.24 | 15.75 | 16.28 | 17.69 |
| 4H | 2H | 16.30 | 16.96 | 17.34 | 17.99 | 19.36 | 13.28 | 13.94 | 14.32 | 14.96 | 16.34 |
| | 3H | 17.76 | 18.30 | 18.80 | 19.36 | 20.74 | 14.63 | 15.18 | 15.67 | 16.23 | 17.61 |
| | 4H | 18.38 | 18.88 | 19.43 | 19.93 | 21.34 | 15.17 | 15.67 | 16.22 | 16.72 | 18.12 |
| | 6H | 18.81 | 19.24 | 19.87 | 20.31 | 21.71 | 15.60 | 16.03 | 16.66 | 17.10 | 18.50 |
| | 8H | 18.97 | 19.37 | 20.03 | 20.43 | 21.85 | 15.78 | 16.18 | 16.84 | 17.24 | 18.66 |
| | 12H | 19.03 | 19.39 | 20.11 | 20.46 | 21.89 | 15.82 | 16.19 | 16.90 | 17.26 | 18.68 |
| 8H | 4H | 18.40 | 18.80 | 19.46 | 19.86 | 21.28 | 15.49 | 15.89 | 16.55 | 16.95 | 18.37 |
| | 6H | 18.93 | 19.26 | 20.01 | 20.36 | 21.78 | 16.03 | 16.36 | 17.11 | 17.46 | 18.88 |
| | 8H | 19.17 | 19.46 | 20.26 | 20.54 | 21.98 | 16.29 | 16.58 | 17.38 | 17.67 | 19.10 |
| | 12H | 19.28 | 19.54 | 20.37 | 20.62 | 22.09 | 16.38 | 16.64 | 17.48 | 17.72 | 19.19 |
| 12H | 4H | 18.36 | 18.72 | 19.44 | 19.79 | 21.22 | 15.51 | 15.87 | 16.59 | 16.94 | 18.37 |
| | 6H | 18.92 | 19.21 | 20.01 | 20.30 | 21.73 | 16.10 | 16.39 | 17.19 | 17.48 | 18.91 |
| | 8H | 19.17 | 19.43 | 20.26 | 20.50 | 21.98 | 16.39 | 16.64 | 17.48 | 17.72 | 19.20 |