

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: P1428179

Luminaire Tested: SQ2W-PR1-K-025U-050D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428179
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-025U-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 250 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

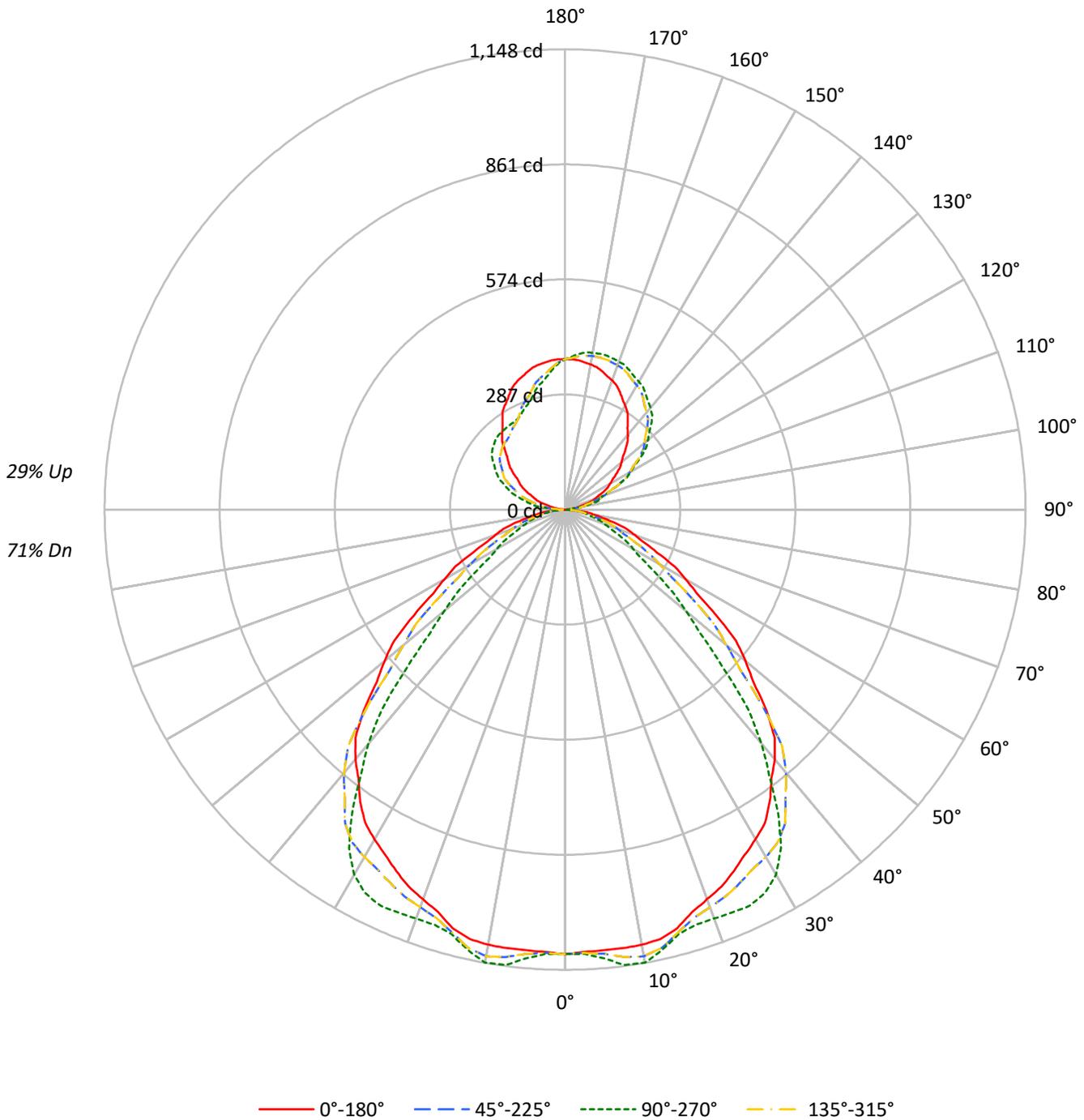
Lumens per Lamp: N/A
Luminaire Lumens: 3764.5 lumens
Efficiency: N/A
Efficacy: 148.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 25.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1428179

CATALOG NUMBER: SQ2W-PR1-K-025U-050D-L830-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1428179

CATALOG NUMBER: SQ2W-PR1-K-025U-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 | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 95 | 95 | 95 | 85 | 85 | 85 | 75 | 75 | 75 | 71 | | | | 71 |
| 1 | 103 | 99 | 96 | 92 | 98 | 94 | 91 | 88 | 85 | 82 | 80 | 76 | 74 | 73 | 68 | 67 | 65 | 62 | | | | 62 |
| 2 | 95 | 88 | 82 | 77 | 90 | 83 | 78 | 74 | 75 | 71 | 68 | 68 | 65 | 62 | 61 | 59 | 56 | 53 | | | | 53 |
| 3 | 87 | 78 | 71 | 65 | 82 | 74 | 68 | 63 | 67 | 62 | 58 | 61 | 57 | 53 | 55 | 52 | 49 | 46 | | | | 46 |
| 4 | 80 | 70 | 62 | 56 | 76 | 66 | 59 | 54 | 60 | 55 | 50 | 55 | 50 | 46 | 49 | 46 | 43 | 40 | | | | 40 |
| 5 | 74 | 62 | 54 | 48 | 70 | 60 | 52 | 47 | 54 | 48 | 44 | 49 | 45 | 41 | 45 | 41 | 38 | 35 | | | | 35 |
| 6 | 68 | 56 | 48 | 43 | 65 | 54 | 47 | 41 | 49 | 43 | 39 | 45 | 40 | 36 | 41 | 37 | 34 | 31 | | | | 31 |
| 7 | 63 | 51 | 43 | 38 | 60 | 49 | 42 | 37 | 45 | 39 | 34 | 41 | 36 | 32 | 37 | 33 | 30 | 28 | | | | 28 |
| 8 | 59 | 47 | 39 | 34 | 56 | 45 | 38 | 33 | 41 | 35 | 31 | 38 | 33 | 29 | 35 | 30 | 27 | 25 | | | | 25 |
| 9 | 55 | 43 | 35 | 30 | 52 | 41 | 34 | 29 | 38 | 32 | 28 | 35 | 30 | 26 | 32 | 28 | 25 | 23 | | | | 23 |
| 10 | 52 | 39 | 32 | 27 | 49 | 38 | 31 | 27 | 35 | 29 | 25 | 32 | 27 | 24 | 30 | 25 | 22 | 21 | | | | 21 |

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 | 2.8 |
| 10°-20° | 310.1 | 8.2 |
| 20°-30° | 479.3 | 12.7 |
| 30°-40° | 576.4 | 15.3 |
| 40°-50° | 517.6 | 13.8 |
| 50°-60° | 346.8 | 9.2 |
| 60°-70° | 201.8 | 5.4 |
| 70°-80° | 103.6 | 2.8 |
| 80°-90° | 27.1 | 0.7 |
| 90°-100° | 29.8 | 0.8 |
| 100°-110° | 87.0 | 2.3 |
| 110°-120° | 142.0 | 3.8 |
| 120°-130° | 180.2 | 4.8 |
| 130°-140° | 192.8 | 5.1 |
| 140°-150° | 180.0 | 4.8 |
| 150°-160° | 148.1 | 3.9 |
| 160°-170° | 99.3 | 2.6 |
| 170°-180° | 35.3 | 0.9 |
| 0°-30° | 896.5 | 23.8 |
| 0°-40° | 1473.0 | 39.1 |
| 0°-60° | 2337.5 | 62.1 |
| 0°-90° | 2670.0 | 70.9 |
| 90°-120° | 258.8 | 6.9 |
| 90°-150° | 811.7 | 21.6 |
| 90°-180° | 1094.0 | 29.1 |
| 0°-180° | 3764.5 | 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° | 1 | 8 | 1 | 16 | 1 | 2 |
| 95° | 12 | 9 | 12 | 51 | 12 | 14 |
| 105° | 55 | 89 | 55 | 122 | 55 | 59 |
| 115° | 106 | 147 | 106 | 181 | 106 | 104 |
| 125° | 157 | 233 | 157 | 222 | 157 | 140 |
| 135° | 213 | 305 | 213 | 246 | 213 | 165 |
| 145° | 272 | 351 | 272 | 251 | 272 | 170 |
| 155° | 323 | 382 | 323 | 260 | 323 | 149 |
| 165° | 357 | 398 | 357 | 300 | 357 | 101 |
| 175° | 374 | 390 | 374 | 352 | 374 | 35 |
| 180° | 375 | 375 | 375 | 375 | 375 | |



TEST NUMBER: P1428179

CATALOG NUMBER: SQ2W-PR1-K-025U-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° | 7.5 | 7.8 | 8.1 | 6.9 | 5.2 | 4.2 | 4.2 | 4.3 | 4.4 | 4.4 | 4.4 |
| 90° | 1.1 | 2.7 | 4.5 | 6.1 | 7.2 | 7.6 | 7.6 | 8.0 | 8.3 | 8.3 | 8.3 |
| 92.5° | 4.2 | 6.6 | 6.7 | 6.7 | 8.1 | 8.8 | 9.4 | 9.5 | 9.8 | 9.8 | 9.8 |
| 95° | 11.7 | 12.9 | 19.3 | 18.9 | 12.9 | 10.2 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 |
| 97.5° | 22.4 | 24.1 | 25.1 | 33.7 | 35.6 | 34.4 | 28.0 | 23.6 | 21.1 | 19.9 | 21.1 |
| 100° | 31.8 | 32.6 | 34.8 | 35.2 | 44.7 | 53.8 | 49.2 | 43.5 | 41.6 | 40.5 | 41.6 |
| 102.5° | 41.2 | 41.6 | 45.1 | 46.7 | 48.9 | 54.1 | 69.8 | 68.1 | 66.8 | 66.6 | 66.8 |
| 105° | 55.3 | 55.7 | 62.1 | 65.1 | 66.6 | 66.6 | 66.3 | 73.8 | 85.9 | 88.6 | 85.9 |
| 107.5° | 70.3 | 72.1 | 79.7 | 87.8 | 89.5 | 90.0 | 88.0 | 86.9 | 86.4 | 86.7 | 86.4 |
| 110° | 80.6 | 83.3 | 92.4 | 102.6 | 105.3 | 106.0 | 105.3 | 104.1 | 103.4 | 103.4 | 103.4 |



TEST NUMBER: P1428179

CATALOG NUMBER: SQ2W-PR1-K-025U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 90.6 | 94.5 | 104.8 | 116.5 | 121.0 | 123.3 | 121.6 | 120.8 | 120.0 | 120.6 | 120.0 |
| 115° | 106.0 | 111.7 | 125.3 | 137.4 | 146.5 | 147.7 | 147.3 | 147.3 | 146.9 | 146.9 | 146.9 |
| 117.5° | 120.3 | 129.3 | 144.6 | 158.7 | 169.2 | 172.3 | 173.8 | 173.3 | 172.9 | 173.6 | 172.9 |
| 120° | 130.2 | 140.8 | 158.3 | 174.2 | 184.4 | 188.9 | 190.4 | 189.7 | 190.4 | 189.7 | 190.4 |
| 122.5° | 140.8 | 153.9 | 171.0 | 187.5 | 199.5 | 204.7 | 206.5 | 206.7 | 206.8 | 206.4 | 206.8 |
| 125° | 156.8 | 172.7 | 192.7 | 209.8 | 222.3 | 228.3 | 229.8 | 230.2 | 231.0 | 232.9 | 231.0 |
| 127.5° | 172.8 | 190.8 | 212.9 | 229.3 | 242.1 | 249.4 | 251.8 | 252.6 | 254.2 | 255.0 | 254.2 |
| 130° | 184.0 | 204.5 | 226.8 | 242.3 | 254.8 | 262.8 | 266.9 | 268.1 | 270.0 | 269.6 | 270.0 |
| 132.5° | 195.8 | 217.2 | 239.8 | 256.0 | 267.5 | 276.1 | 279.7 | 282.9 | 283.6 | 284.1 | 283.6 |
| 135° | 213.2 | 236.3 | 259.0 | 274.9 | 285.9 | 294.2 | 298.7 | 301.8 | 303.7 | 304.8 | 303.7 |
| 137.5° | 231.4 | 255.8 | 277.6 | 291.8 | 302.8 | 310.0 | 315.2 | 318.4 | 320.3 | 321.2 | 320.3 |
| 140° | 243.8 | 267.3 | 288.5 | 303.3 | 313.1 | 320.3 | 324.9 | 328.6 | 330.9 | 330.9 | 330.9 |
| 142.5° | 255.6 | 278.8 | 299.4 | 314.2 | 322.8 | 329.4 | 334.3 | 337.1 | 339.7 | 339.7 | 339.7 |
| 145° | 272.2 | 295.3 | 314.3 | 329.0 | 336.2 | 342.3 | 347.6 | 349.9 | 351.4 | 351.4 | 351.4 |
| 147.5° | 289.6 | 310.0 | 327.3 | 341.4 | 347.5 | 354.6 | 358.8 | 360.6 | 362.5 | 361.7 | 362.5 |
| 150° | 299.9 | 318.8 | 335.5 | 348.7 | 354.8 | 361.6 | 365.8 | 367.3 | 369.2 | 368.0 | 369.2 |
| 152.5° | 309.9 | 327.9 | 343.0 | 355.4 | 360.5 | 367.3 | 372.1 | 373.6 | 374.9 | 374.1 | 374.9 |
| 155° | 323.3 | 339.3 | 353.3 | 364.6 | 369.2 | 375.6 | 380.1 | 382.0 | 383.6 | 381.7 | 383.6 |
| 157.5° | 335.4 | 349.1 | 361.3 | 371.7 | 376.6 | 382.1 | 386.4 | 388.7 | 390.2 | 389.4 | 390.2 |
| 160° | 342.7 | 355.2 | 366.1 | 376.0 | 380.5 | 385.4 | 390.0 | 392.6 | 394.2 | 393.0 | 394.2 |
| 162.5° | 348.7 | 360.0 | 370.4 | 379.3 | 383.2 | 387.6 | 393.0 | 395.4 | 396.9 | 395.4 | 396.9 |
| 165° | 357.4 | 366.5 | 375.6 | 383.2 | 386.6 | 390.0 | 395.7 | 398.3 | 399.5 | 397.9 | 399.5 |
| 167.5° | 364.0 | 371.0 | 378.3 | 384.8 | 387.3 | 390.7 | 396.3 | 398.5 | 400.0 | 398.1 | 400.0 |
| 170° | 367.6 | 373.7 | 380.1 | 385.4 | 387.3 | 390.4 | 396.0 | 397.9 | 399.1 | 397.2 | 399.1 |
| 172.5° | 370.7 | 375.2 | 380.4 | 385.1 | 386.1 | 388.5 | 393.9 | 395.8 | 396.7 | 395.1 | 396.7 |
| 175° | 373.7 | 376.4 | 380.1 | 383.2 | 382.8 | 384.3 | 388.9 | 390.4 | 391.9 | 389.6 | 391.9 |
| 177.5° | 375.1 | 376.4 | 377.6 | 379.4 | 378.2 | 378.2 | 381.5 | 382.4 | 382.7 | 381.5 | 382.7 |
| 180° | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 |



TEST NUMBER: P1428179

CATALOG NUMBER: SQ2W-PR1-K-025U-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° | 4.3 | 4.2 | 4.2 | 5.2 | 6.9 | 8.1 | 7.8 | 7.5 | 7.8 | 8.1 | 7.1 |
| 90° | 8.0 | 7.6 | 7.6 | 7.2 | 6.1 | 4.5 | 2.7 | 1.1 | 2.7 | 4.2 | 6.8 |
| 92.5° | 9.5 | 9.4 | 8.8 | 8.1 | 6.7 | 6.7 | 6.6 | 4.2 | 7.2 | 10.2 | 14.7 |
| 95° | 8.7 | 8.7 | 10.2 | 12.9 | 18.9 | 19.3 | 12.9 | 11.7 | 16.7 | 23.5 | 29.5 |
| 97.5° | 23.6 | 28.0 | 34.4 | 35.6 | 33.7 | 25.1 | 24.1 | 22.4 | 30.5 | 37.3 | 47.0 |
| 100° | 43.5 | 49.2 | 53.8 | 44.7 | 35.2 | 34.8 | 32.6 | 31.8 | 40.5 | 46.9 | 56.4 |
| 102.5° | 68.1 | 69.8 | 54.1 | 48.9 | 46.7 | 45.1 | 41.6 | 41.2 | 49.9 | 58.8 | 66.7 |
| 105° | 73.8 | 66.3 | 66.6 | 66.6 | 65.1 | 62.1 | 55.7 | 55.3 | 65.1 | 75.3 | 85.2 |
| 107.5° | 86.9 | 88.0 | 90.0 | 89.5 | 87.8 | 79.7 | 72.1 | 70.3 | 79.2 | 91.5 | 102.3 |
| 110° | 104.1 | 105.3 | 106.0 | 105.3 | 102.6 | 92.4 | 83.3 | 80.6 | 88.6 | 101.5 | 113.2 |



TEST NUMBER: P1428179

CATALOG NUMBER: SQ2W-PR1-K-025U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 120.8 | 121.6 | 123.3 | 121.0 | 116.5 | 104.8 | 94.5 | 90.6 | 98.6 | 111.8 | 123.8 |
| 115° | 147.3 | 147.3 | 147.7 | 146.5 | 137.4 | 125.3 | 111.7 | 106.0 | 112.8 | 124.9 | 138.2 |
| 117.5° | 173.3 | 173.8 | 172.3 | 169.2 | 158.7 | 144.6 | 129.3 | 120.3 | 125.6 | 138.4 | 152.1 |
| 120° | 189.7 | 190.4 | 188.9 | 184.4 | 174.2 | 158.3 | 140.8 | 130.2 | 134.4 | 146.9 | 160.5 |
| 122.5° | 206.7 | 206.5 | 204.7 | 199.5 | 187.5 | 171.0 | 153.9 | 140.8 | 142.6 | 154.2 | 167.5 |
| 125° | 230.2 | 229.8 | 228.3 | 222.3 | 209.8 | 192.7 | 172.7 | 156.8 | 154.5 | 164.3 | 178.0 |
| 127.5° | 252.6 | 251.8 | 249.4 | 242.1 | 229.3 | 212.9 | 190.8 | 172.8 | 167.7 | 173.9 | 186.4 |
| 130° | 268.1 | 266.9 | 262.8 | 254.8 | 242.3 | 226.8 | 204.5 | 184.0 | 176.8 | 180.6 | 191.6 |
| 132.5° | 282.9 | 279.7 | 276.1 | 267.5 | 256.0 | 239.8 | 217.2 | 195.8 | 185.9 | 187.6 | 196.1 |
| 135° | 301.8 | 298.7 | 294.2 | 285.9 | 274.9 | 259.0 | 236.3 | 213.2 | 199.5 | 198.0 | 202.9 |
| 137.5° | 318.4 | 315.2 | 310.0 | 302.8 | 291.8 | 277.6 | 255.8 | 231.4 | 214.2 | 209.2 | 211.0 |
| 140° | 328.6 | 324.9 | 320.3 | 313.1 | 303.3 | 288.5 | 267.3 | 243.8 | 224.5 | 217.3 | 216.2 |
| 142.5° | 337.1 | 334.3 | 329.4 | 322.8 | 314.2 | 299.4 | 278.8 | 255.6 | 235.1 | 225.8 | 223.2 |
| 145° | 349.9 | 347.6 | 342.3 | 336.2 | 329.0 | 314.3 | 295.3 | 272.2 | 251.8 | 239.7 | 234.0 |
| 147.5° | 360.6 | 358.8 | 354.6 | 347.5 | 341.4 | 327.3 | 310.0 | 289.6 | 268.6 | 253.6 | 246.3 |
| 150° | 367.3 | 365.8 | 361.6 | 354.8 | 348.7 | 335.5 | 318.8 | 299.9 | 279.8 | 263.9 | 254.4 |
| 152.5° | 373.6 | 372.1 | 367.3 | 360.5 | 355.4 | 343.0 | 327.9 | 309.9 | 289.5 | 273.6 | 263.8 |
| 155° | 382.0 | 380.1 | 375.6 | 369.2 | 364.6 | 353.3 | 339.3 | 323.3 | 305.9 | 289.3 | 278.3 |
| 157.5° | 388.7 | 386.4 | 382.1 | 376.6 | 371.7 | 361.3 | 349.1 | 335.4 | 320.2 | 304.3 | 293.1 |
| 160° | 392.6 | 390.0 | 385.4 | 380.5 | 376.0 | 366.1 | 355.2 | 342.7 | 328.6 | 314.3 | 302.1 |
| 162.5° | 395.4 | 393.0 | 387.6 | 383.2 | 379.3 | 370.4 | 360.0 | 348.7 | 336.2 | 323.7 | 312.4 |
| 165° | 398.3 | 395.7 | 390.0 | 386.6 | 383.2 | 375.6 | 366.5 | 357.4 | 346.8 | 336.6 | 327.5 |
| 167.5° | 398.5 | 396.3 | 390.7 | 387.3 | 384.8 | 378.3 | 371.0 | 364.0 | 355.8 | 347.7 | 340.2 |
| 170° | 397.9 | 396.0 | 390.4 | 387.3 | 385.4 | 380.1 | 373.7 | 367.6 | 361.2 | 354.4 | 348.3 |
| 172.5° | 395.8 | 393.9 | 388.5 | 386.1 | 385.1 | 380.4 | 375.2 | 370.7 | 365.1 | 360.2 | 355.3 |
| 175° | 390.4 | 388.9 | 384.3 | 382.8 | 383.2 | 380.1 | 376.4 | 373.7 | 370.3 | 367.3 | 364.6 |
| 177.5° | 382.4 | 381.5 | 378.2 | 378.2 | 379.4 | 377.6 | 376.4 | 375.1 | 373.6 | 372.7 | 371.8 |
| 180° | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 |



TEST NUMBER: P1428179

CATALOG NUMBER: SQ2W-PR1-K-025U-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° | 5.5 | 5.0 | 5.5 | 5.8 | 6.1 | 6.0 | 6.1 | 5.8 | 5.5 | 5.0 | 5.5 |
| 90° | 8.7 | 11.4 | 14.0 | 15.5 | 17.0 | 16.3 | 17.0 | 15.5 | 14.0 | 11.4 | 8.7 |
| 92.5° | 17.5 | 22.0 | 25.2 | 27.9 | 29.2 | 29.0 | 29.2 | 27.9 | 25.2 | 22.0 | 17.5 |
| 95° | 35.2 | 40.5 | 45.8 | 49.6 | 51.9 | 51.1 | 51.9 | 49.6 | 45.8 | 40.5 | 35.2 |
| 97.5° | 54.3 | 61.4 | 67.3 | 70.9 | 73.2 | 74.7 | 73.2 | 70.9 | 67.3 | 61.4 | 54.3 |
| 100° | 67.0 | 73.8 | 80.6 | 84.8 | 88.6 | 90.1 | 88.6 | 84.8 | 80.6 | 73.8 | 67.0 |
| 102.5° | 77.3 | 86.3 | 93.7 | 98.1 | 101.3 | 102.8 | 101.3 | 98.1 | 93.7 | 86.3 | 77.3 |
| 105° | 94.3 | 103.7 | 111.7 | 117.4 | 120.8 | 121.9 | 120.8 | 117.4 | 111.7 | 103.7 | 94.3 |
| 107.5° | 111.2 | 121.0 | 128.4 | 134.6 | 138.8 | 141.2 | 138.8 | 134.6 | 128.4 | 121.0 | 111.2 |
| 110° | 124.6 | 132.5 | 140.5 | 146.2 | 150.3 | 151.8 | 150.3 | 146.2 | 140.5 | 132.5 | 124.6 |



TEST NUMBER: P1428179

CATALOG NUMBER: SQ2W-PR1-K-025U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 135.8 | 144.6 | 152.6 | 158.3 | 163.0 | 165.2 | 163.0 | 158.3 | 152.6 | 144.6 | 135.8 |
| 115° | 151.5 | 163.2 | 170.4 | 175.7 | 179.1 | 181.0 | 179.1 | 175.7 | 170.4 | 163.2 | 151.5 |
| 117.5° | 164.5 | 176.7 | 184.6 | 188.7 | 190.3 | 191.7 | 190.3 | 188.7 | 184.6 | 176.7 | 164.5 |
| 120° | 172.7 | 184.0 | 193.1 | 198.4 | 200.3 | 201.1 | 200.3 | 198.4 | 193.1 | 184.0 | 172.7 |
| 122.5° | 180.2 | 191.0 | 199.8 | 206.3 | 209.4 | 210.1 | 209.4 | 206.3 | 199.8 | 191.0 | 180.2 |
| 125° | 190.8 | 201.1 | 210.1 | 216.6 | 220.0 | 221.9 | 220.0 | 216.6 | 210.1 | 201.1 | 190.8 |
| 127.5° | 200.1 | 211.1 | 219.5 | 225.3 | 228.6 | 230.1 | 228.6 | 225.3 | 219.5 | 211.1 | 200.1 |
| 130° | 205.2 | 216.6 | 224.9 | 231.3 | 234.4 | 235.9 | 234.4 | 231.3 | 224.9 | 216.6 | 205.2 |
| 132.5° | 209.2 | 221.1 | 229.8 | 235.6 | 238.9 | 240.4 | 238.9 | 235.6 | 229.8 | 221.1 | 209.2 |
| 135° | 213.9 | 226.4 | 235.5 | 241.2 | 244.2 | 245.7 | 244.2 | 241.2 | 235.5 | 226.4 | 213.9 |
| 137.5° | 218.1 | 229.4 | 238.9 | 244.9 | 247.6 | 248.6 | 247.6 | 244.9 | 238.9 | 229.4 | 218.1 |
| 140° | 221.1 | 231.0 | 240.4 | 246.1 | 249.1 | 249.5 | 249.1 | 246.1 | 240.4 | 231.0 | 221.1 |
| 142.5° | 225.1 | 232.8 | 241.0 | 246.7 | 249.7 | 250.4 | 249.7 | 246.7 | 241.0 | 232.8 | 225.1 |
| 145° | 232.1 | 236.6 | 242.3 | 247.6 | 250.3 | 251.0 | 250.3 | 247.6 | 242.3 | 236.6 | 232.1 |
| 147.5° | 241.0 | 242.4 | 245.4 | 248.8 | 251.4 | 251.9 | 251.4 | 248.8 | 245.4 | 242.4 | 241.0 |
| 150° | 247.6 | 247.2 | 248.4 | 250.7 | 252.9 | 252.5 | 252.9 | 250.7 | 248.4 | 247.2 | 247.6 |
| 152.5° | 255.2 | 253.0 | 252.9 | 254.0 | 255.0 | 255.0 | 255.0 | 254.0 | 252.9 | 253.0 | 255.2 |
| 155° | 268.1 | 263.9 | 261.6 | 260.9 | 260.9 | 260.5 | 260.9 | 260.9 | 261.6 | 263.9 | 268.1 |
| 157.5° | 282.2 | 276.4 | 273.0 | 271.2 | 270.6 | 269.8 | 270.6 | 271.2 | 273.0 | 276.4 | 282.2 |
| 160° | 291.9 | 285.5 | 282.1 | 279.0 | 277.9 | 276.8 | 277.9 | 279.0 | 282.1 | 285.5 | 291.9 |
| 162.5° | 301.0 | 294.9 | 291.2 | 288.4 | 287.3 | 285.6 | 287.3 | 288.4 | 291.2 | 294.9 | 301.0 |
| 165° | 315.8 | 309.3 | 305.2 | 302.9 | 301.4 | 299.9 | 301.4 | 302.9 | 305.2 | 309.3 | 315.8 |
| 167.5° | 330.5 | 323.5 | 320.8 | 318.2 | 316.8 | 314.0 | 316.8 | 318.2 | 320.8 | 323.5 | 330.5 |
| 170° | 339.6 | 333.2 | 331.7 | 329.4 | 326.8 | 323.7 | 326.8 | 329.4 | 331.7 | 333.2 | 339.6 |
| 172.5° | 347.5 | 343.2 | 341.7 | 339.4 | 338.6 | 336.1 | 338.6 | 339.4 | 341.7 | 343.2 | 347.5 |
| 175° | 358.9 | 355.5 | 355.5 | 355.2 | 354.0 | 351.7 | 354.0 | 355.2 | 355.5 | 355.5 | 358.9 |
| 177.5° | 368.5 | 366.7 | 367.9 | 367.9 | 367.6 | 365.5 | 367.6 | 367.9 | 367.9 | 366.7 | 368.5 |
| 180° | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 |



TEST NUMBER: P1428179

CATALOG NUMBER: SQ2W-PR1-K-025U-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° | 7.1 | 8.1 | 7.8 | 7.5 |
| 90° | 6.8 | 4.2 | 2.7 | 1.1 |
| 92.5° | 14.7 | 10.2 | 7.2 | 4.2 |
| 95° | 29.5 | 23.5 | 16.7 | 11.7 |
| 97.5° | 47.0 | 37.3 | 30.5 | 22.4 |
| 100° | 56.4 | 46.9 | 40.5 | 31.8 |
| 102.5° | 66.7 | 58.8 | 49.9 | 41.2 |
| 105° | 85.2 | 75.3 | 65.1 | 55.3 |
| 107.5° | 102.3 | 91.5 | 79.2 | 70.3 |
| 110° | 113.2 | 101.5 | 88.6 | 80.6 |



TEST NUMBER: P1428179

CATALOG NUMBER: SQ2W-PR1-K-025U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|-------|-------|-------|-------|
| 112.5° | 123.8 | 111.8 | 98.6 | 90.6 |
| 115° | 138.2 | 124.9 | 112.8 | 106.0 |
| 117.5° | 152.1 | 138.4 | 125.6 | 120.3 |
| 120° | 160.5 | 146.9 | 134.4 | 130.2 |
| 122.5° | 167.5 | 154.2 | 142.6 | 140.8 |
| 125° | 178.0 | 164.3 | 154.5 | 156.8 |
| 127.5° | 186.4 | 173.9 | 167.7 | 172.8 |
| 130° | 191.6 | 180.6 | 176.8 | 184.0 |
| 132.5° | 196.1 | 187.6 | 185.9 | 195.8 |
| 135° | 202.9 | 198.0 | 199.5 | 213.2 |
| 137.5° | 211.0 | 209.2 | 214.2 | 231.4 |
| 140° | 216.2 | 217.3 | 224.5 | 243.8 |
| 142.5° | 223.2 | 225.8 | 235.1 | 255.6 |
| 145° | 234.0 | 239.7 | 251.8 | 272.2 |
| 147.5° | 246.3 | 253.6 | 268.6 | 289.6 |
| 150° | 254.4 | 263.9 | 279.8 | 299.9 |
| 152.5° | 263.8 | 273.6 | 289.5 | 309.9 |
| 155° | 278.3 | 289.3 | 305.9 | 323.3 |
| 157.5° | 293.1 | 304.3 | 320.2 | 335.4 |
| 160° | 302.1 | 314.3 | 328.6 | 342.7 |
| 162.5° | 312.4 | 323.7 | 336.2 | 348.7 |
| 165° | 327.5 | 336.6 | 346.8 | 357.4 |
| 167.5° | 340.2 | 347.7 | 355.8 | 364.0 |
| 170° | 348.3 | 354.4 | 361.2 | 367.6 |
| 172.5° | 355.3 | 360.2 | 365.1 | 370.7 |
| 175° | 364.6 | 367.3 | 370.3 | 373.7 |
| 177.5° | 371.8 | 372.7 | 373.6 | 375.1 |
| 180° | 374.8 | 374.8 | 374.8 | 374.8 |



TEST NUMBER: P1428179
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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 | 18.47 | 19.49 | 19.23 | 20.27 | 21.21 | 14.84 | 15.86 | 15.60 | 16.64 | 17.58 |
| | 3H | 19.69 | 20.60 | 20.47 | 21.39 | 22.36 | 16.01 | 16.92 | 16.79 | 17.71 | 18.68 |
| | 4H | 20.18 | 21.04 | 20.98 | 21.84 | 22.82 | 16.48 | 17.34 | 17.28 | 18.14 | 19.12 |
| | 6H | 20.49 | 21.28 | 21.29 | 22.08 | 23.08 | 16.83 | 17.62 | 17.64 | 18.43 | 19.43 |
| | 8H | 20.59 | 21.35 | 21.41 | 22.17 | 23.17 | 16.97 | 17.73 | 17.79 | 18.55 | 19.55 |
| | 12H | 20.64 | 21.35 | 21.46 | 22.17 | 23.19 | 17.01 | 17.73 | 17.83 | 18.54 | 19.57 |
| 4H | 2H | 18.59 | 19.45 | 19.39 | 20.25 | 21.23 | 15.57 | 16.43 | 16.37 | 17.22 | 18.21 |
| | 3H | 20.07 | 20.78 | 20.88 | 21.61 | 22.61 | 16.94 | 17.65 | 17.75 | 18.48 | 19.48 |
| | 4H | 20.70 | 21.35 | 21.53 | 22.18 | 23.21 | 17.49 | 18.13 | 18.32 | 18.97 | 19.99 |
| | 6H | 21.14 | 21.70 | 21.98 | 22.55 | 23.59 | 17.93 | 18.49 | 18.77 | 19.34 | 20.38 |
| | 8H | 21.30 | 21.82 | 22.15 | 22.67 | 23.72 | 18.12 | 18.64 | 18.96 | 19.49 | 20.53 |
| | 12H | 21.38 | 21.84 | 22.24 | 22.71 | 23.76 | 18.17 | 18.64 | 19.04 | 19.51 | 20.56 |
| 8H | 4H | 20.74 | 21.26 | 21.58 | 22.11 | 23.15 | 17.83 | 18.35 | 18.67 | 19.20 | 20.24 |
| | 6H | 21.28 | 21.70 | 22.15 | 22.60 | 23.64 | 18.37 | 18.80 | 19.25 | 19.70 | 20.74 |
| | 8H | 21.51 | 21.89 | 22.39 | 22.78 | 23.84 | 18.64 | 19.02 | 19.52 | 19.91 | 20.97 |
| | 12H | 21.64 | 21.97 | 22.52 | 22.85 | 23.97 | 18.74 | 19.07 | 19.62 | 19.95 | 21.07 |
| 12H | 4H | 20.70 | 21.17 | 21.57 | 22.04 | 23.09 | 17.86 | 18.32 | 18.72 | 19.19 | 20.24 |
| | 6H | 21.27 | 21.65 | 22.15 | 22.53 | 23.60 | 18.45 | 18.83 | 19.33 | 19.72 | 20.78 |
| | 8H | 21.52 | 21.86 | 22.41 | 22.74 | 23.86 | 18.74 | 19.08 | 19.63 | 19.96 | 21.07 |