

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: P1427843

Luminaire Tested: SQ2W-PH1-K-025U-050D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427843
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PH1-K-025U-050D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE HEX 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

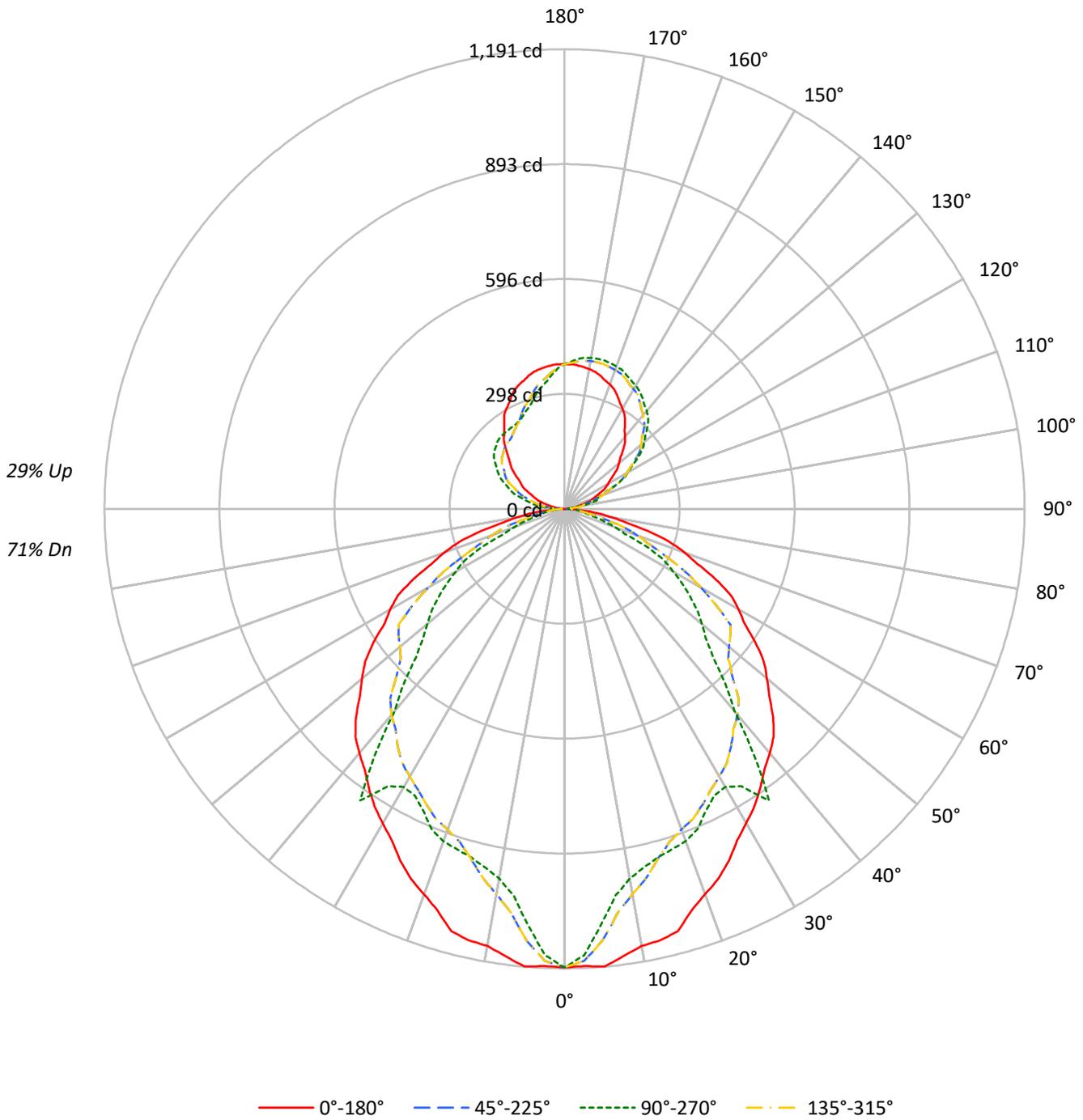
Lumens per Lamp: N/A
Luminaire Lumens: 3723.5 lumens
Efficiency: N/A
Efficacy: 147.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 25.3
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: P1427843

CATALOG NUMBER: SQ2W-PH1-K-025U-050D-L830-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427843

CATALOG NUMBER: SQ2W-PH1-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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 95 | 95 | 95 | 84 | 84 | 84 | 75 | 75 | 75 | 71 |
| 1 | 103 | 98 | 94 | 91 | 97 | 93 | 90 | 87 | 84 | 81 | 79 | 75 | 73 | 71 | 67 | 65 | 64 | 60 |
| 2 | 94 | 86 | 80 | 75 | 88 | 82 | 76 | 72 | 74 | 69 | 66 | 66 | 63 | 60 | 59 | 57 | 54 | 51 |
| 3 | 86 | 76 | 68 | 63 | 81 | 72 | 65 | 60 | 65 | 60 | 55 | 59 | 54 | 51 | 53 | 49 | 46 | 43 |
| 4 | 78 | 67 | 59 | 53 | 74 | 64 | 57 | 51 | 58 | 52 | 47 | 52 | 48 | 44 | 47 | 43 | 40 | 37 |
| 5 | 72 | 60 | 52 | 46 | 68 | 57 | 50 | 44 | 52 | 46 | 41 | 47 | 42 | 38 | 42 | 38 | 35 | 32 |
| 6 | 67 | 54 | 46 | 40 | 63 | 52 | 44 | 39 | 47 | 41 | 36 | 43 | 37 | 33 | 39 | 34 | 31 | 28 |
| 7 | 62 | 49 | 41 | 35 | 58 | 47 | 39 | 34 | 43 | 36 | 32 | 39 | 34 | 30 | 35 | 31 | 27 | 25 |
| 8 | 57 | 45 | 37 | 31 | 54 | 43 | 35 | 30 | 39 | 33 | 28 | 36 | 30 | 27 | 32 | 28 | 25 | 23 |
| 9 | 54 | 41 | 33 | 28 | 51 | 39 | 32 | 27 | 36 | 30 | 26 | 33 | 28 | 24 | 30 | 26 | 22 | 20 |
| 10 | 50 | 38 | 30 | 25 | 47 | 36 | 29 | 25 | 33 | 27 | 23 | 30 | 25 | 22 | 28 | 23 | 20 | 18 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 19186 | 19186 | 19186 | 19186 |
| 5° | 19296 | 17536 | 19296 | 17536 |
| 10° | 18852 | 15942 | 18852 | 15942 |
| 15° | 18937 | 15629 | 18937 | 15629 |
| 20° | 18261 | 15756 | 18261 | 15756 |
| 25° | 17927 | 15388 | 17927 | 15388 |
| 30° | 17538 | 15515 | 17538 | 15515 |
| 35° | 17404 | 18185 | 17404 | 18185 |
| 40° | 17420 | 14416 | 17420 | 14416 |
| 45° | 17426 | 12417 | 17426 | 12417 |
| 50° | 17181 | 11645 | 17181 | 11645 |
| 55° | 16963 | 11172 | 16963 | 11172 |
| 60° | 16795 | 10478 | 16795 | 10478 |
| 65° | 16500 | 9115 | 16500 | 9115 |
| 70° | 15588 | 6510 | 15588 | 6510 |
| 75° | 13892 | 4934 | 13892 | 4934 |
| 80° | 11353 | 4621 | 11353 | 4621 |
| 85° | 7114 | 3149 | 7114 | 3149 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17426 cd/sqm



TEST NUMBER: P1427843

CATALOG NUMBER: SQ2W-PH1-K-025U-050D-L830-UNV-STD-W-WM-4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 104.6 | 2.8 |
| 10°-20° | 275.0 | 7.4 |
| 20°-30° | 403.2 | 10.8 |
| 30°-40° | 488.3 | 13.1 |
| 40°-50° | 480.1 | 12.9 |
| 50°-60° | 417.7 | 11.2 |
| 60°-70° | 290.5 | 7.8 |
| 70°-80° | 137.8 | 3.7 |
| 80°-90° | 31.9 | 0.9 |
| 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 | 5.2 |
| 140°-150° | 180.0 | 4.8 |
| 150°-160° | 148.1 | 4.0 |
| 160°-170° | 99.3 | 2.7 |
| 170°-180° | 35.3 | 0.9 |
| 0°-30° | 782.8 | 21.0 |
| 0°-40° | 1271.1 | 34.1 |
| 0°-60° | 2168.9 | 58.2 |
| 0°-90° | 2629.0 | 70.6 |
| 90°-120° | 258.8 | 7.0 |
| 90°-150° | 811.7 | 21.8 |
| 90°-180° | 1094.0 | 29.4 |
| 0°-180° | 3723.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1188 | 1188 | 1188 | 1188 | 1188 | |
| 5° | 1191 | 1082 | 1191 | 1082 | 1191 | 112 |
| 15° | 1133 | 935 | 1133 | 935 | 1133 | 316 |
| 25° | 1006 | 864 | 1006 | 864 | 1006 | 463 |
| 35° | 883 | 923 | 883 | 923 | 883 | 553 |
| 45° | 763 | 544 | 763 | 544 | 763 | 587 |
| 55° | 603 | 397 | 603 | 397 | 603 | 538 |
| 65° | 432 | 239 | 432 | 239 | 432 | 424 |
| 75° | 223 | 79 | 223 | 79 | 223 | 236 |
| 85° | 38 | 17 | 38 | 17 | 38 | 52 |
| 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: P1427843

CATALOG NUMBER: SQ2W-PH1-K-025U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1188.3 | 1188.3 | 1188.3 | 1188.3 | 1188.3 | 1188.3 | 1188.3 | 1188.3 | 1188.3 | 1188.3 | 1188.3 |
| 2.5° | 1185.6 | 1191.2 | 1196.9 | 1188.9 | 1176.5 | 1167.8 | 1163.0 | 1159.2 | 1158.4 | 1157.6 | 1158.4 |
| 5° | 1190.6 | 1190.1 | 1189.6 | 1166.1 | 1134.9 | 1111.6 | 1096.0 | 1084.0 | 1083.0 | 1082.0 | 1083.0 |
| 7.5° | 1168.9 | 1153.3 | 1137.7 | 1106.2 | 1069.3 | 1042.2 | 1025.0 | 1012.0 | 1011.2 | 1010.4 | 1011.2 |
| 10° | 1149.9 | 1126.3 | 1102.6 | 1067.0 | 1027.3 | 999.6 | 984.0 | 972.4 | 972.4 | 972.4 | 972.4 |
| 12.5° | 1145.4 | 1108.1 | 1070.8 | 1031.7 | 992.0 | 966.4 | 954.8 | 946.7 | 949.1 | 951.6 | 949.1 |
| 15° | 1132.9 | 1076.6 | 1020.4 | 980.7 | 946.5 | 927.9 | 924.9 | 924.0 | 929.5 | 935.0 | 929.5 |
| 17.5° | 1091.8 | 1031.2 | 970.6 | 935.7 | 909.3 | 899.4 | 905.8 | 912.2 | 918.7 | 925.1 | 918.7 |
| 20° | 1062.8 | 1003.0 | 943.2 | 910.9 | 887.8 | 882.3 | 894.3 | 904.9 | 910.9 | 917.0 | 910.9 |
| 22.5° | 1038.4 | 977.8 | 917.2 | 888.6 | 870.7 | 868.4 | 881.7 | 892.4 | 895.7 | 898.9 | 895.7 |
| 25° | 1006.3 | 937.9 | 869.6 | 848.7 | 843.7 | 847.0 | 858.5 | 866.8 | 865.3 | 863.8 | 865.3 |
| 27.5° | 967.8 | 896.5 | 825.1 | 811.7 | 817.7 | 824.1 | 831.2 | 836.7 | 837.6 | 838.5 | 837.6 |
| 30° | 940.7 | 869.3 | 798.0 | 787.3 | 796.9 | 805.1 | 812.2 | 819.1 | 825.6 | 832.2 | 825.6 |
| 32.5° | 914.5 | 840.7 | 766.9 | 759.3 | 773.6 | 789.2 | 805.9 | 822.1 | 837.1 | 852.1 | 837.1 |
| 35° | 883.0 | 806.2 | 729.3 | 723.2 | 740.8 | 763.4 | 791.1 | 824.1 | 873.4 | 922.6 | 873.4 |
| 37.5° | 850.0 | 767.6 | 685.2 | 682.5 | 706.3 | 730.1 | 753.9 | 775.7 | 791.4 | 807.1 | 791.4 |
| 40° | 826.5 | 740.1 | 653.6 | 653.5 | 682.2 | 711.8 | 742.5 | 756.4 | 720.2 | 684.0 | 720.2 |
| 42.5° | 801.2 | 714.7 | 628.3 | 625.8 | 651.2 | 683.9 | 723.8 | 738.4 | 677.3 | 616.2 | 677.3 |
| 45° | 763.2 | 673.2 | 583.3 | 580.0 | 605.7 | 623.7 | 634.3 | 631.3 | 587.6 | 543.8 | 587.6 |
| 47.5° | 718.4 | 632.7 | 547.0 | 546.3 | 573.9 | 575.9 | 552.3 | 530.3 | 513.2 | 496.1 | 513.2 |
| 50° | 684.0 | 603.1 | 522.2 | 525.8 | 557.4 | 554.4 | 516.7 | 485.7 | 474.6 | 463.6 | 474.6 |
| 52.5° | 650.6 | 573.7 | 496.8 | 506.2 | 544.2 | 538.2 | 488.1 | 448.6 | 441.2 | 433.7 | 441.2 |
| 55° | 602.6 | 528.8 | 454.9 | 476.0 | 528.8 | 520.7 | 451.9 | 399.9 | 398.4 | 396.9 | 398.4 |
| 57.5° | 551.8 | 481.9 | 412.1 | 426.7 | 469.5 | 461.1 | 401.4 | 357.3 | 359.9 | 362.5 | 359.9 |
| 60° | 520.1 | 452.3 | 384.4 | 386.3 | 411.4 | 403.4 | 362.2 | 330.5 | 327.5 | 324.5 | 327.5 |
| 62.5° | 486.6 | 422.0 | 357.4 | 348.0 | 357.1 | 347.6 | 319.7 | 298.0 | 294.9 | 291.9 | 294.9 |
| 65° | 431.9 | 373.1 | 314.3 | 296.6 | 292.6 | 279.0 | 255.9 | 238.6 | 238.6 | 238.6 | 238.6 |
| 67.5° | 371.8 | 320.5 | 269.2 | 249.4 | 240.1 | 226.6 | 209.0 | 192.8 | 180.8 | 168.7 | 180.8 |
| 70° | 330.2 | 284.9 | 239.7 | 219.0 | 206.4 | 190.3 | 170.7 | 154.0 | 146.0 | 137.9 | 146.0 |
| 72.5° | 285.8 | 247.0 | 208.2 | 187.0 | 171.6 | 156.0 | 140.0 | 125.7 | 116.4 | 107.2 | 116.4 |
| 75° | 222.7 | 191.6 | 160.4 | 139.8 | 122.7 | 106.9 | 92.3 | 81.2 | 80.2 | 79.1 | 80.2 |
| 77.5° | 161.0 | 138.3 | 115.6 | 98.9 | 84.2 | 73.2 | 65.9 | 60.4 | 60.5 | 60.6 | 60.5 |
| 80° | 122.1 | 105.0 | 87.9 | 72.4 | 57.3 | 49.5 | 49.0 | 48.7 | 49.2 | 49.7 | 49.2 |
| 82.5° | 85.9 | 73.3 | 60.6 | 50.7 | 41.6 | 37.4 | 38.1 | 38.7 | 38.8 | 38.9 | 38.8 |
| 85° | 38.4 | 32.4 | 26.4 | 24.1 | 23.1 | 21.6 | 19.6 | 18.0 | 17.5 | 17.0 | 17.5 |
| 87.5° | 8.4 | 8.3 | 8.2 | 7.5 | 6.6 | 6.0 | 6.0 | 6.1 | 6.2 | 6.2 | 6.2 |
| 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: P1427843

CATALOG NUMBER: SQ2W-PH1-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: P1427843

CATALOG NUMBER: SQ2W-PH1-K-025U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1188.3 | 1188.3 | 1188.3 | 1188.3 | 1188.3 | 1188.3 | 1188.3 | 1188.3 | 1188.3 | 1188.3 | 1188.3 |
| 2.5° | 1159.2 | 1163.0 | 1167.8 | 1176.5 | 1188.9 | 1196.9 | 1191.2 | 1185.6 | 1191.2 | 1196.9 | 1188.9 |
| 5° | 1084.0 | 1096.0 | 1111.6 | 1134.9 | 1166.1 | 1189.6 | 1190.1 | 1190.6 | 1190.1 | 1189.6 | 1166.1 |
| 7.5° | 1012.0 | 1025.0 | 1042.2 | 1069.3 | 1106.2 | 1137.7 | 1153.3 | 1168.9 | 1153.3 | 1137.7 | 1106.2 |
| 10° | 972.4 | 984.0 | 999.6 | 1027.3 | 1067.0 | 1102.6 | 1126.3 | 1149.9 | 1126.3 | 1102.6 | 1067.0 |
| 12.5° | 946.7 | 954.8 | 966.4 | 992.0 | 1031.7 | 1070.8 | 1108.1 | 1145.4 | 1108.1 | 1070.8 | 1031.7 |
| 15° | 924.0 | 924.9 | 927.9 | 946.5 | 980.7 | 1020.4 | 1076.6 | 1132.9 | 1076.6 | 1020.4 | 980.7 |
| 17.5° | 912.2 | 905.8 | 899.4 | 909.3 | 935.7 | 970.6 | 1031.2 | 1091.8 | 1031.2 | 970.6 | 935.7 |
| 20° | 904.9 | 894.3 | 882.3 | 887.8 | 910.9 | 943.2 | 1003.0 | 1062.8 | 1003.0 | 943.2 | 910.9 |
| 22.5° | 892.4 | 881.7 | 868.4 | 870.7 | 888.6 | 917.2 | 977.8 | 1038.4 | 977.8 | 917.2 | 888.6 |
| 25° | 866.8 | 858.5 | 847.0 | 843.7 | 848.7 | 869.6 | 937.9 | 1006.3 | 937.9 | 869.6 | 848.7 |
| 27.5° | 836.7 | 831.2 | 824.1 | 817.7 | 811.7 | 825.1 | 896.5 | 967.8 | 896.5 | 825.1 | 811.7 |
| 30° | 819.1 | 812.2 | 805.1 | 796.9 | 787.3 | 798.0 | 869.3 | 940.7 | 869.3 | 798.0 | 787.3 |
| 32.5° | 822.1 | 805.9 | 789.2 | 773.6 | 759.3 | 766.9 | 840.7 | 914.5 | 840.7 | 766.9 | 759.3 |
| 35° | 824.1 | 791.1 | 763.4 | 740.8 | 723.2 | 729.3 | 806.2 | 883.0 | 806.2 | 729.3 | 723.2 |
| 37.5° | 775.7 | 753.9 | 730.1 | 706.3 | 682.5 | 685.2 | 767.6 | 850.0 | 767.6 | 685.2 | 682.5 |
| 40° | 756.4 | 742.5 | 711.8 | 682.2 | 653.5 | 653.6 | 740.1 | 826.5 | 740.1 | 653.6 | 653.5 |
| 42.5° | 738.4 | 723.8 | 683.9 | 651.2 | 625.8 | 628.3 | 714.7 | 801.2 | 714.7 | 628.3 | 625.8 |
| 45° | 631.3 | 634.3 | 623.7 | 605.7 | 580.0 | 583.3 | 673.2 | 763.2 | 673.2 | 583.3 | 580.0 |
| 47.5° | 530.3 | 552.3 | 575.9 | 573.9 | 546.3 | 547.0 | 632.7 | 718.4 | 632.7 | 547.0 | 546.3 |
| 50° | 485.7 | 516.7 | 554.4 | 557.4 | 525.8 | 522.2 | 603.1 | 684.0 | 603.1 | 522.2 | 525.8 |
| 52.5° | 448.6 | 488.1 | 538.2 | 544.2 | 506.2 | 496.8 | 573.7 | 650.6 | 573.7 | 496.8 | 506.2 |
| 55° | 399.9 | 451.9 | 520.7 | 528.8 | 476.0 | 454.9 | 528.8 | 602.6 | 528.8 | 454.9 | 476.0 |
| 57.5° | 357.3 | 401.4 | 461.1 | 469.5 | 426.7 | 412.1 | 481.9 | 551.8 | 481.9 | 412.1 | 426.7 |
| 60° | 330.5 | 362.2 | 403.4 | 411.4 | 386.3 | 384.4 | 452.3 | 520.1 | 452.3 | 384.4 | 386.3 |
| 62.5° | 298.0 | 319.7 | 347.6 | 357.1 | 348.0 | 357.4 | 422.0 | 486.6 | 422.0 | 357.4 | 348.0 |
| 65° | 238.6 | 255.9 | 279.0 | 292.6 | 296.6 | 314.3 | 373.1 | 431.9 | 373.1 | 314.3 | 296.6 |
| 67.5° | 192.8 | 209.0 | 226.6 | 240.1 | 249.4 | 269.2 | 320.5 | 371.8 | 320.5 | 269.2 | 249.4 |
| 70° | 154.0 | 170.7 | 190.3 | 206.4 | 219.0 | 239.7 | 284.9 | 330.2 | 284.9 | 239.7 | 219.0 |
| 72.5° | 125.7 | 140.0 | 156.0 | 171.6 | 187.0 | 208.2 | 247.0 | 285.8 | 247.0 | 208.2 | 187.0 |
| 75° | 81.2 | 92.3 | 106.9 | 122.7 | 139.8 | 160.4 | 191.6 | 222.7 | 191.6 | 160.4 | 139.8 |
| 77.5° | 60.4 | 65.9 | 73.2 | 84.2 | 98.9 | 115.6 | 138.3 | 161.0 | 138.3 | 115.6 | 98.9 |
| 80° | 48.7 | 49.0 | 49.5 | 57.3 | 72.4 | 87.9 | 105.0 | 122.1 | 105.0 | 87.9 | 72.4 |
| 82.5° | 38.7 | 38.1 | 37.4 | 41.6 | 50.7 | 60.6 | 73.3 | 85.9 | 73.3 | 60.6 | 50.7 |
| 85° | 18.0 | 19.6 | 21.6 | 23.1 | 24.1 | 26.4 | 32.4 | 38.4 | 32.4 | 26.4 | 24.1 |
| 87.5° | 6.1 | 6.0 | 6.0 | 6.6 | 7.5 | 8.2 | 8.3 | 8.4 | 8.3 | 8.2 | 7.7 |
| 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: P1427843

CATALOG NUMBER: SQ2W-PH1-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: P1427843

CATALOG NUMBER: SQ2W-PH1-K-025U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1188.3 | 1188.3 | 1188.3 | 1188.3 | 1188.3 | 1188.3 | 1188.3 | 1188.3 | 1188.3 | 1188.3 | 1188.3 |
| 2.5° | 1176.5 | 1167.8 | 1163.0 | 1159.2 | 1158.4 | 1157.6 | 1158.4 | 1159.2 | 1163.0 | 1167.8 | 1176.5 |
| 5° | 1134.9 | 1111.6 | 1096.0 | 1084.0 | 1083.0 | 1082.0 | 1083.0 | 1084.0 | 1096.0 | 1111.6 | 1134.9 |
| 7.5° | 1069.3 | 1042.2 | 1025.0 | 1012.0 | 1011.2 | 1010.4 | 1011.2 | 1012.0 | 1025.0 | 1042.2 | 1069.3 |
| 10° | 1027.3 | 999.6 | 984.0 | 972.4 | 972.4 | 972.4 | 972.4 | 972.4 | 984.0 | 999.6 | 1027.3 |
| 12.5° | 992.0 | 966.4 | 954.8 | 946.7 | 949.1 | 951.6 | 949.1 | 946.7 | 954.8 | 966.4 | 992.0 |
| 15° | 946.5 | 927.9 | 924.9 | 924.0 | 929.5 | 935.0 | 929.5 | 924.0 | 924.9 | 927.9 | 946.5 |
| 17.5° | 909.3 | 899.4 | 905.8 | 912.2 | 918.7 | 925.1 | 918.7 | 912.2 | 905.8 | 899.4 | 909.3 |
| 20° | 887.8 | 882.3 | 894.3 | 904.9 | 910.9 | 917.0 | 910.9 | 904.9 | 894.3 | 882.3 | 887.8 |
| 22.5° | 870.7 | 868.4 | 881.7 | 892.4 | 895.7 | 898.9 | 895.7 | 892.4 | 881.7 | 868.4 | 870.7 |
| 25° | 843.7 | 847.0 | 858.5 | 866.8 | 865.3 | 863.8 | 865.3 | 866.8 | 858.5 | 847.0 | 843.7 |
| 27.5° | 817.7 | 824.1 | 831.2 | 836.7 | 837.6 | 838.5 | 837.6 | 836.7 | 831.2 | 824.1 | 817.7 |
| 30° | 796.9 | 805.1 | 812.2 | 819.1 | 825.6 | 832.2 | 825.6 | 819.1 | 812.2 | 805.1 | 796.9 |
| 32.5° | 773.6 | 789.2 | 805.9 | 822.1 | 837.1 | 852.1 | 837.1 | 822.1 | 805.9 | 789.2 | 773.6 |
| 35° | 740.8 | 763.4 | 791.1 | 824.1 | 873.4 | 922.6 | 873.4 | 824.1 | 791.1 | 763.4 | 740.8 |
| 37.5° | 706.3 | 730.1 | 753.9 | 775.7 | 791.4 | 807.1 | 791.4 | 775.7 | 753.9 | 730.1 | 706.3 |
| 40° | 682.2 | 711.8 | 742.5 | 756.4 | 720.2 | 684.0 | 720.2 | 756.4 | 742.5 | 711.8 | 682.2 |
| 42.5° | 651.2 | 683.9 | 723.8 | 738.4 | 677.3 | 616.2 | 677.3 | 738.4 | 723.8 | 683.9 | 651.2 |
| 45° | 605.7 | 623.7 | 634.3 | 631.3 | 587.6 | 543.8 | 587.6 | 631.3 | 634.3 | 623.7 | 605.7 |
| 47.5° | 573.9 | 575.9 | 552.3 | 530.3 | 513.2 | 496.1 | 513.2 | 530.3 | 552.3 | 575.9 | 573.9 |
| 50° | 557.4 | 554.4 | 516.7 | 485.7 | 474.6 | 463.6 | 474.6 | 485.7 | 516.7 | 554.4 | 557.4 |
| 52.5° | 544.2 | 538.2 | 488.1 | 448.6 | 441.2 | 433.7 | 441.2 | 448.6 | 488.1 | 538.2 | 544.2 |
| 55° | 528.8 | 520.7 | 451.9 | 399.9 | 398.4 | 396.9 | 398.4 | 399.9 | 451.9 | 520.7 | 528.8 |
| 57.5° | 469.5 | 461.1 | 401.4 | 357.3 | 359.9 | 362.5 | 359.9 | 357.3 | 401.4 | 461.1 | 469.5 |
| 60° | 411.4 | 403.4 | 362.2 | 330.5 | 327.5 | 324.5 | 327.5 | 330.5 | 362.2 | 403.4 | 411.4 |
| 62.5° | 357.1 | 347.6 | 319.7 | 298.0 | 294.9 | 291.9 | 294.9 | 298.0 | 319.7 | 347.6 | 357.1 |
| 65° | 292.6 | 279.0 | 255.9 | 238.6 | 238.6 | 238.6 | 238.6 | 238.6 | 255.9 | 279.0 | 292.6 |
| 67.5° | 240.1 | 226.6 | 209.0 | 192.8 | 180.8 | 168.7 | 180.8 | 192.8 | 209.0 | 226.6 | 240.1 |
| 70° | 206.4 | 190.3 | 170.7 | 154.0 | 146.0 | 137.9 | 146.0 | 154.0 | 170.7 | 190.3 | 206.4 |
| 72.5° | 171.6 | 156.0 | 140.0 | 125.7 | 116.4 | 107.2 | 116.4 | 125.7 | 140.0 | 156.0 | 171.6 |
| 75° | 122.7 | 106.9 | 92.3 | 81.2 | 80.2 | 79.1 | 80.2 | 81.2 | 92.3 | 106.9 | 122.7 |
| 77.5° | 84.2 | 73.2 | 65.9 | 60.4 | 60.5 | 60.6 | 60.5 | 60.4 | 65.9 | 73.2 | 84.2 |
| 80° | 57.3 | 49.5 | 49.0 | 48.7 | 49.2 | 49.7 | 49.2 | 48.7 | 49.0 | 49.5 | 57.3 |
| 82.5° | 41.6 | 37.4 | 38.1 | 38.7 | 38.8 | 38.9 | 38.8 | 38.7 | 38.1 | 37.4 | 41.6 |
| 85° | 23.1 | 21.6 | 19.6 | 18.0 | 17.5 | 17.0 | 17.5 | 18.0 | 19.6 | 21.6 | 23.1 |
| 87.5° | 6.9 | 6.8 | 7.3 | 7.6 | 7.9 | 7.8 | 7.9 | 7.6 | 7.3 | 6.8 | 6.9 |
| 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: P1427843

CATALOG NUMBER: SQ2W-PH1-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 | 366.7 | 368.5 | 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: P1427843

CATALOG NUMBER: SQ2W-PH1-K-025U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|---------------|---------------|---------------|---------------|
| 0° | 1188.3 | 1188.3 | 1188.3 | 1188.3 |
| 2.5° | <i>1188.9</i> | <i>1196.9</i> | <i>1191.2</i> | <i>1185.6</i> |
| 5° | 1166.1 | 1189.6 | 1190.1 | 1190.6 |
| 7.5° | 1106.2 | 1137.7 | 1153.3 | 1168.9 |
| 10° | 1067.0 | 1102.6 | 1126.3 | 1149.9 |
| 12.5° | 1031.7 | 1070.8 | 1108.1 | 1145.4 |
| 15° | 980.7 | 1020.4 | 1076.6 | 1132.9 |
| 17.5° | 935.7 | 970.6 | 1031.2 | 1091.8 |
| 20° | 910.9 | 943.2 | 1003.0 | 1062.8 |
| 22.5° | 888.6 | 917.2 | 977.8 | 1038.4 |
| 25° | 848.7 | 869.6 | 937.9 | 1006.3 |
| 27.5° | 811.7 | 825.1 | 896.5 | 967.8 |
| 30° | 787.3 | 798.0 | 869.3 | 940.7 |
| 32.5° | 759.3 | 766.9 | 840.7 | 914.5 |
| 35° | 723.2 | 729.3 | 806.2 | 883.0 |
| 37.5° | 682.5 | 685.2 | 767.6 | 850.0 |
| 40° | 653.5 | 653.6 | 740.1 | 826.5 |
| 42.5° | 625.8 | 628.3 | 714.7 | 801.2 |
| 45° | 580.0 | 583.3 | 673.2 | 763.2 |
| 47.5° | 546.3 | 547.0 | 632.7 | 718.4 |
| 50° | 525.8 | 522.2 | 603.1 | 684.0 |
| 52.5° | 506.2 | 496.8 | 573.7 | 650.6 |
| 55° | 476.0 | 454.9 | 528.8 | 602.6 |
| 57.5° | 426.7 | 412.1 | 481.9 | 551.8 |
| 60° | 386.3 | 384.4 | 452.3 | 520.1 |
| 62.5° | 348.0 | 357.4 | 422.0 | 486.6 |
| 65° | 296.6 | 314.3 | 373.1 | 431.9 |
| 67.5° | 249.4 | 269.2 | 320.5 | 371.8 |
| 70° | 219.0 | 239.7 | 284.9 | 330.2 |
| 72.5° | 187.0 | 208.2 | 247.0 | 285.8 |
| 75° | 139.8 | 160.4 | 191.6 | 222.7 |
| 77.5° | 98.9 | 115.6 | 138.3 | 161.0 |
| 80° | 72.4 | 87.9 | 105.0 | 122.1 |
| 82.5° | 50.7 | 60.6 | 73.3 | 85.9 |
| 85° | 24.1 | 26.4 | 32.4 | 38.4 |
| 87.5° | 7.7 | 8.2 | 8.3 | 8.4 |
| 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: P1427843

CATALOG NUMBER: SQ2W-PH1-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: P1427843
 CATALOG NUMBER: SQ2W-PH1-K-025U-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 | 18.86 | 19.93 | 19.62 | 20.71 | 21.66 | 17.69 | 18.76 | 18.45 | 19.54 | 20.49 |
| | 3H | 21.05 | 22.01 | 21.83 | 22.80 | 23.78 | 18.76 | 19.72 | 19.53 | 20.51 | 21.48 |
| | 4H | 21.88 | 22.78 | 22.67 | 23.58 | 24.57 | 19.01 | 19.92 | 19.80 | 20.72 | 21.70 |
| | 6H | 22.35 | 23.19 | 23.16 | 24.00 | 25.00 | 19.16 | 20.00 | 19.97 | 20.81 | 21.81 |
| | 8H | 22.51 | 23.31 | 23.33 | 24.13 | 25.13 | 19.23 | 20.02 | 20.04 | 20.85 | 21.85 |
| | 12H | 22.58 | 23.34 | 23.40 | 24.15 | 25.18 | 19.25 | 20.00 | 20.07 | 20.82 | 21.85 |
| 4H | 2H | 19.32 | 20.23 | 20.12 | 21.03 | 22.01 | 18.40 | 19.31 | 19.20 | 20.10 | 21.09 |
| | 3H | 21.59 | 22.35 | 22.40 | 23.18 | 24.18 | 19.65 | 20.40 | 20.46 | 21.24 | 22.24 |
| | 4H | 22.48 | 23.16 | 23.30 | 23.99 | 25.02 | 19.95 | 20.63 | 20.77 | 21.47 | 22.50 |
| | 6H | 23.05 | 23.64 | 23.89 | 24.49 | 25.53 | 20.16 | 20.75 | 21.00 | 21.61 | 22.64 |
| | 8H | 23.25 | 23.81 | 24.10 | 24.66 | 25.71 | 20.26 | 20.81 | 21.10 | 21.66 | 22.71 |
| | 12H | 23.35 | 23.84 | 24.21 | 24.72 | 25.77 | 20.29 | 20.78 | 21.15 | 21.66 | 22.71 |
| 8H | 4H | 22.52 | 23.07 | 23.36 | 23.92 | 24.97 | 20.20 | 20.75 | 21.04 | 21.60 | 22.65 |
| | 6H | 23.15 | 23.61 | 24.02 | 24.50 | 25.55 | 20.47 | 20.93 | 21.34 | 21.82 | 22.87 |
| | 8H | 23.42 | 23.82 | 24.30 | 24.71 | 25.78 | 20.62 | 21.02 | 21.50 | 21.91 | 22.98 |
| | 12H | 23.56 | 23.91 | 24.44 | 24.79 | 25.91 | 20.69 | 21.05 | 21.58 | 21.93 | 23.05 |
| 12H | 4H | 22.48 | 22.97 | 23.34 | 23.85 | 24.90 | 20.20 | 20.70 | 21.06 | 21.57 | 22.62 |
| | 6H | 23.13 | 23.54 | 24.01 | 24.43 | 25.49 | 20.51 | 20.91 | 21.39 | 21.80 | 22.87 |
| | 8H | 23.41 | 23.77 | 24.30 | 24.65 | 25.77 | 20.68 | 21.04 | 21.56 | 21.92 | 23.04 |