

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: P1427918

Luminaire Tested: SQ2W-PH1-K-100U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427918
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-100U-050D-L930-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 1000 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

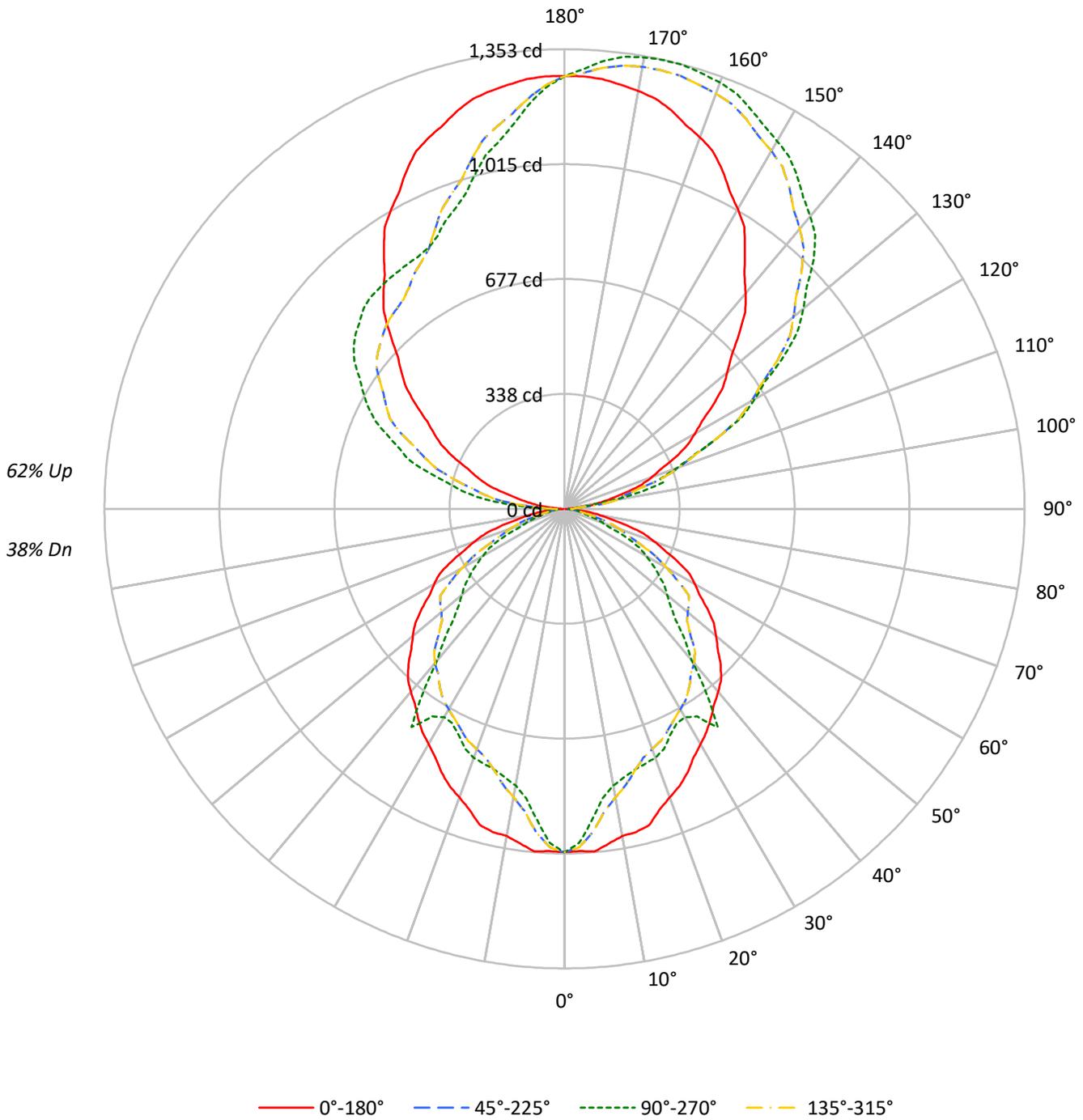
Lumens per Lamp: N/A
Luminaire Lumens: 5958.9 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 50.9
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: P1427918

CATALOG NUMBER: SQ2W-PH1-K-100U-050D-L930-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427918

CATALOG NUMBER: SQ2W-PH1-K-100U-050D-L930-UNV-STD-W-WM-4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 104 | 104 | 104 | 104 | 95 | 95 | 95 | 95 | 76 | 76 | 76 | 60 | 60 | 60 | 45 | 45 | 45 | 38 |
| 1 | 95 | 91 | 87 | 84 | 86 | 83 | 80 | 77 | 67 | 65 | 63 | 53 | 51 | 50 | 40 | 39 | 38 | 32 |
| 2 | 87 | 80 | 74 | 69 | 78 | 72 | 67 | 63 | 59 | 55 | 52 | 47 | 44 | 42 | 35 | 34 | 32 | 27 |
| 3 | 79 | 70 | 63 | 57 | 72 | 64 | 58 | 53 | 52 | 48 | 44 | 41 | 38 | 36 | 31 | 29 | 27 | 23 |
| 4 | 72 | 62 | 54 | 48 | 65 | 56 | 50 | 45 | 46 | 41 | 37 | 37 | 33 | 30 | 28 | 26 | 24 | 20 |
| 5 | 66 | 55 | 47 | 41 | 60 | 50 | 43 | 38 | 41 | 36 | 32 | 33 | 29 | 26 | 25 | 23 | 21 | 17 |
| 6 | 61 | 49 | 41 | 36 | 55 | 45 | 38 | 33 | 37 | 32 | 28 | 30 | 26 | 23 | 23 | 20 | 18 | 15 |
| 7 | 56 | 44 | 37 | 31 | 51 | 41 | 34 | 29 | 34 | 28 | 25 | 27 | 23 | 20 | 21 | 18 | 16 | 13 |
| 8 | 52 | 40 | 33 | 28 | 47 | 37 | 30 | 26 | 31 | 25 | 22 | 25 | 21 | 18 | 19 | 16 | 14 | 12 |
| 9 | 49 | 37 | 29 | 24 | 44 | 34 | 27 | 23 | 28 | 23 | 19 | 23 | 19 | 16 | 18 | 15 | 13 | 11 |
| 10 | 45 | 34 | 27 | 22 | 41 | 31 | 25 | 20 | 26 | 21 | 18 | 21 | 17 | 15 | 16 | 14 | 12 | 10 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 16322 | 16322 | 16322 | 16322 |
| 5° | 16415 | 14917 | 16415 | 14917 |
| 10° | 16037 | 13562 | 16037 | 13562 |
| 15° | 16108 | 13295 | 16108 | 13295 |
| 20° | 15534 | 13402 | 15534 | 13402 |
| 25° | 15249 | 13090 | 15249 | 13090 |
| 30° | 14918 | 13198 | 14918 | 13198 |
| 35° | 14806 | 15468 | 14806 | 15468 |
| 40° | 14819 | 12264 | 14819 | 12264 |
| 45° | 14823 | 10563 | 14823 | 10563 |
| 50° | 14616 | 9904 | 14616 | 9904 |
| 55° | 14429 | 9503 | 14429 | 9503 |
| 60° | 14286 | 8912 | 14286 | 8912 |
| 65° | 14036 | 7752 | 14036 | 7752 |
| 70° | 13256 | 5537 | 13256 | 5537 |
| 75° | 11821 | 4198 | 11821 | 4198 |
| 80° | 9660 | 3933 | 9660 | 3933 |
| 85° | 6058 | 2668 | 6058 | 2668 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14823 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 89.0 | 1.5 |
| 10°-20° | 234.0 | 3.9 |
| 20°-30° | 343.0 | 5.8 |
| 30°-40° | 415.3 | 7.0 |
| 40°-50° | 408.4 | 6.9 |
| 50°-60° | 355.3 | 6.0 |
| 60°-70° | 247.1 | 4.1 |
| 70°-80° | 117.2 | 2.0 |
| 80°-90° | 31.1 | 0.5 |
| 90°-100° | 101.4 | 1.7 |
| 100°-110° | 295.6 | 5.0 |
| 110°-120° | 482.4 | 8.1 |
| 120°-130° | 612.1 | 10.3 |
| 130°-140° | 655.0 | 11.0 |
| 140°-150° | 611.6 | 10.3 |
| 150°-160° | 503.3 | 8.4 |
| 160°-170° | 337.5 | 5.7 |
| 170°-180° | 119.8 | 2.0 |
| 0°-30° | 665.9 | 11.2 |
| 0°-40° | 1081.3 | 18.1 |
| 0°-60° | 1845.0 | 31.0 |
| 0°-90° | 2240.3 | 37.6 |
| 90°-120° | 879.3 | 14.8 |
| 90°-150° | 2758.0 | 46.3 |
| 90°-180° | 3719.0 | 62.4 |
| 0°-180° | 5958.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1011 | 1011 | 1011 | 1011 | 1011 | |
| 5° | 1013 | 920 | 1013 | 920 | 1013 | 95 |
| 15° | 964 | 795 | 964 | 795 | 964 | 269 |
| 25° | 856 | 735 | 856 | 735 | 856 | 394 |
| 35° | 751 | 785 | 751 | 785 | 751 | 471 |
| 45° | 649 | 463 | 649 | 463 | 649 | 499 |
| 55° | 513 | 338 | 513 | 338 | 513 | 458 |
| 65° | 367 | 203 | 367 | 203 | 367 | 361 |
| 75° | 190 | 67 | 190 | 67 | 190 | 201 |
| 85° | 33 | 14 | 33 | 14 | 33 | 44 |
| 90° | 4 | 28 | 4 | 55 | 4 | 4 |
| 95° | 40 | 30 | 40 | 174 | 40 | 48 |
| 105° | 188 | 301 | 188 | 414 | 188 | 200 |
| 115° | 360 | 499 | 360 | 615 | 360 | 355 |
| 125° | 533 | 791 | 533 | 754 | 533 | 477 |
| 135° | 724 | 1036 | 724 | 835 | 724 | 560 |
| 145° | 925 | 1194 | 925 | 853 | 925 | 579 |
| 155° | 1099 | 1297 | 1099 | 885 | 1099 | 505 |
| 165° | 1214 | 1352 | 1214 | 1019 | 1214 | 342 |
| 175° | 1270 | 1324 | 1270 | 1195 | 1270 | 120 |
| 180° | 1274 | 1274 | 1274 | 1274 | 1274 | |



TEST NUMBER: P1427918

CATALOG NUMBER: SQ2W-PH1-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1010.9 | 1010.9 | 1010.9 | 1010.9 | 1010.9 | 1010.9 | 1010.9 | 1010.9 | 1010.9 | 1010.9 | 1010.9 |
| 2.5° | 1008.5 | 1013.3 | 1018.1 | 1011.4 | 1000.8 | 993.4 | 989.3 | 986.1 | 985.4 | 984.7 | 985.4 |
| 5° | 1012.8 | 1012.4 | 1011.9 | 991.9 | 965.4 | 945.6 | 932.3 | 922.2 | 921.3 | 920.4 | 921.3 |
| 7.5° | 994.3 | 981.1 | 967.8 | 941.0 | 909.6 | 886.6 | 872.0 | 860.8 | 860.2 | 859.5 | 860.2 |
| 10° | 978.2 | 958.1 | 938.0 | 907.6 | 873.9 | 850.3 | 837.1 | 827.2 | 827.2 | 827.2 | 827.2 |
| 12.5° | 974.3 | 942.6 | 910.9 | 877.6 | 843.8 | 822.0 | 812.2 | 805.4 | 807.4 | 809.5 | 807.4 |
| 15° | 963.7 | 915.9 | 868.0 | 834.2 | 805.1 | 789.3 | 786.8 | 786.0 | 790.7 | 795.4 | 790.7 |
| 17.5° | 928.7 | 877.2 | 825.6 | 795.9 | 773.5 | 765.1 | 770.5 | 776.0 | 781.5 | 786.9 | 781.5 |
| 20° | 904.1 | 853.2 | 802.4 | 774.9 | 755.2 | 750.5 | 760.8 | 769.8 | 774.9 | 780.0 | 774.9 |
| 22.5° | 883.3 | 831.8 | 780.2 | 755.9 | 740.7 | 738.7 | 750.0 | 759.2 | 761.9 | 764.6 | 761.9 |
| 25° | 856.0 | 797.9 | 739.7 | 722.0 | 717.7 | 720.5 | 730.3 | 737.4 | 736.1 | 734.8 | 736.1 |
| 27.5° | 823.3 | 762.6 | 701.9 | 690.5 | 695.6 | 701.1 | 707.1 | 711.7 | 712.5 | 713.3 | 712.5 |
| 30° | 800.2 | 739.5 | 678.8 | 669.7 | 677.9 | 684.9 | 690.9 | 696.8 | 702.3 | 707.9 | 702.3 |
| 32.5° | 777.9 | 715.2 | 652.4 | 645.9 | 658.1 | 671.3 | 685.5 | 699.3 | 712.1 | 724.8 | 712.1 |
| 35° | 751.2 | 685.8 | 620.4 | 615.2 | 630.2 | 649.4 | 672.9 | 701.0 | 742.9 | 784.8 | 742.9 |
| 37.5° | 723.1 | 653.0 | 582.9 | 580.5 | 600.8 | 621.1 | 641.3 | 659.9 | 673.2 | 686.5 | 673.2 |
| 40° | 703.1 | 629.6 | 556.0 | 555.9 | 580.3 | 605.5 | 631.6 | 643.4 | 612.7 | 581.9 | 612.7 |
| 42.5° | 681.5 | 608.0 | 534.5 | 532.3 | 554.0 | 581.7 | 615.7 | 628.1 | 576.2 | 524.2 | 576.2 |
| 45° | 649.2 | 572.7 | 496.2 | 493.4 | 515.2 | 530.6 | 539.6 | 537.0 | 499.8 | 462.6 | 499.8 |
| 47.5° | 611.1 | 538.2 | 465.3 | 464.7 | 488.2 | 489.9 | 469.8 | 451.1 | 436.6 | 422.0 | 436.6 |
| 50° | 581.9 | 513.1 | 444.2 | 447.2 | 474.2 | 471.6 | 439.5 | 413.1 | 403.7 | 394.3 | 403.7 |
| 52.5° | 553.4 | 488.0 | 422.6 | 430.6 | 463.0 | 457.8 | 415.2 | 381.6 | 375.3 | 368.9 | 375.3 |
| 55° | 512.6 | 449.8 | 387.0 | 404.9 | 449.8 | 443.0 | 384.4 | 340.2 | 338.9 | 337.6 | 338.9 |
| 57.5° | 469.4 | 409.9 | 350.5 | 363.0 | 399.4 | 392.2 | 341.4 | 303.9 | 306.1 | 308.4 | 306.1 |
| 60° | 442.4 | 384.7 | 327.0 | 328.6 | 350.0 | 343.2 | 308.1 | 281.2 | 278.6 | 276.0 | 278.6 |
| 62.5° | 414.0 | 359.0 | 304.0 | 296.0 | 303.7 | 295.7 | 271.9 | 253.5 | 250.9 | 248.3 | 250.9 |
| 65° | 367.4 | 317.4 | 267.4 | 252.3 | 248.9 | 237.4 | 217.7 | 202.9 | 202.9 | 202.9 | 202.9 |
| 67.5° | 316.2 | 272.6 | 229.0 | 212.2 | 204.2 | 192.8 | 177.8 | 164.0 | 153.8 | 143.5 | 153.8 |
| 70° | 280.8 | 242.4 | 203.9 | 186.3 | 175.6 | 161.9 | 145.2 | 131.0 | 124.2 | 117.3 | 124.2 |
| 72.5° | 243.1 | 210.1 | 177.1 | 159.1 | 146.0 | 132.7 | 119.1 | 106.9 | 99.0 | 91.2 | 99.0 |
| 75° | 189.5 | 163.0 | 136.5 | 118.9 | 104.4 | 90.9 | 78.5 | 69.0 | 68.2 | 67.3 | 68.2 |
| 77.5° | 137.0 | 117.6 | 98.3 | 84.1 | 71.6 | 62.3 | 56.0 | 51.4 | 51.5 | 51.6 | 51.5 |
| 80° | 103.9 | 89.3 | 74.8 | 61.6 | 48.7 | 42.1 | 41.7 | 41.5 | 41.9 | 42.3 | 41.9 |
| 82.5° | 73.1 | 62.3 | 51.6 | 43.1 | 35.4 | 31.8 | 32.4 | 32.9 | 33.0 | 33.1 | 33.0 |
| 85° | 32.7 | 27.6 | 22.4 | 20.5 | 19.7 | 18.4 | 16.7 | 15.3 | 14.9 | 14.4 | 14.9 |
| 87.5° | 7.7 | 8.4 | 9.3 | 9.5 | 9.2 | 9.0 | 9.0 | 9.3 | 9.5 | 9.5 | 9.5 |
| 90° | 3.9 | 9.0 | 15.4 | 20.6 | 24.4 | 25.7 | 25.7 | 27.0 | 28.3 | 28.3 | 28.3 |
| 92.5° | 14.2 | 22.4 | 22.6 | 22.6 | 27.5 | 29.8 | 31.9 | 32.2 | 33.4 | 33.4 | 33.4 |
| 95° | 39.9 | 43.7 | 65.6 | 64.3 | 43.7 | 34.7 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 |
| 97.5° | 76.2 | 81.8 | 85.4 | 114.5 | 120.9 | 116.8 | 95.2 | 80.0 | 71.5 | 67.7 | 71.5 |
| 100° | 108.1 | 110.6 | 118.4 | 119.6 | 151.8 | 182.7 | 167.2 | 147.9 | 141.5 | 137.6 | 141.5 |
| 102.5° | 140.0 | 141.5 | 153.3 | 158.7 | 166.2 | 183.7 | 237.2 | 231.3 | 226.9 | 226.2 | 226.9 |
| 105° | 187.8 | 189.1 | 211.0 | 221.3 | 226.4 | 226.4 | 225.1 | 250.9 | 292.0 | 301.0 | 292.0 |
| 107.5° | 239.0 | 244.9 | 270.7 | 298.2 | 304.1 | 305.7 | 299.0 | 295.1 | 293.6 | 294.6 | 293.6 |
| 110° | 274.0 | 283.0 | 313.9 | 348.6 | 357.6 | 360.2 | 357.6 | 353.8 | 351.2 | 351.2 | 351.2 |



TEST NUMBER: P1427918

CATALOG NUMBER: SQ2W-PH1-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 308.0 | 321.1 | 356.1 | 396.0 | 411.1 | 418.9 | 413.2 | 410.4 | 407.8 | 409.9 | 407.8 |
| 115° | 360.2 | 379.5 | 425.8 | 467.0 | 497.9 | 501.7 | 500.4 | 500.4 | 499.1 | 499.1 | 499.1 |
| 117.5° | 408.6 | 439.5 | 491.4 | 539.3 | 575.0 | 585.3 | 590.5 | 588.9 | 587.4 | 590.0 | 587.4 |
| 120° | 442.5 | 478.6 | 537.7 | 591.8 | 626.5 | 641.9 | 647.1 | 644.5 | 647.1 | 644.5 | 647.1 |
| 122.5° | 478.6 | 522.8 | 581.0 | 637.0 | 678.0 | 695.5 | 701.6 | 702.1 | 702.7 | 701.1 | 702.7 |
| 125° | 532.6 | 586.6 | 654.8 | 712.7 | 755.1 | 775.7 | 780.9 | 782.2 | 784.7 | 791.2 | 784.7 |
| 127.5° | 587.1 | 648.4 | 723.2 | 779.1 | 822.6 | 847.5 | 855.5 | 858.3 | 863.7 | 866.6 | 863.7 |
| 130° | 625.2 | 694.7 | 770.6 | 823.3 | 865.8 | 892.8 | 906.9 | 910.8 | 917.2 | 916.0 | 917.2 |
| 132.5° | 665.4 | 737.9 | 814.8 | 869.6 | 909.0 | 938.1 | 950.2 | 961.2 | 963.5 | 965.4 | 963.5 |
| 135° | 724.3 | 802.7 | 879.9 | 934.0 | 971.3 | 999.6 | 1015.0 | 1025.3 | 1031.7 | 1035.6 | 1031.7 |
| 137.5° | 786.3 | 869.1 | 943.2 | 991.3 | 1028.9 | 1053.3 | 1070.8 | 1081.6 | 1088.3 | 1091.4 | 1088.3 |
| 140° | 828.5 | 908.2 | 980.3 | 1030.4 | 1063.9 | 1088.3 | 1103.8 | 1116.6 | 1124.4 | 1124.4 | 1124.4 |
| 142.5° | 868.6 | 947.3 | 1017.3 | 1067.5 | 1096.8 | 1119.2 | 1135.7 | 1145.5 | 1154.2 | 1154.2 | 1154.2 |
| 145° | 925.0 | 1003.4 | 1067.8 | 1117.9 | 1142.4 | 1162.9 | 1181.0 | 1188.7 | 1193.8 | 1193.8 | 1193.8 |
| 147.5° | 983.9 | 1053.3 | 1112.0 | 1160.1 | 1180.7 | 1204.9 | 1219.0 | 1225.2 | 1231.6 | 1228.8 | 1231.6 |
| 150° | 1018.9 | 1083.2 | 1139.8 | 1184.8 | 1205.4 | 1228.6 | 1242.7 | 1247.9 | 1254.3 | 1250.4 | 1254.3 |
| 152.5° | 1052.8 | 1114.1 | 1165.5 | 1207.5 | 1225.0 | 1248.1 | 1264.3 | 1269.5 | 1273.8 | 1271.0 | 1273.8 |
| 155° | 1098.6 | 1152.7 | 1200.3 | 1238.8 | 1254.3 | 1276.2 | 1291.6 | 1298.0 | 1303.2 | 1296.7 | 1303.2 |
| 157.5° | 1139.5 | 1186.1 | 1227.5 | 1263.0 | 1279.5 | 1298.3 | 1312.7 | 1320.7 | 1325.8 | 1323.0 | 1325.8 |
| 160° | 1164.2 | 1206.7 | 1244.0 | 1277.4 | 1292.9 | 1309.6 | 1325.0 | 1334.0 | 1339.2 | 1335.3 | 1339.2 |
| 162.5° | 1184.8 | 1223.2 | 1258.4 | 1288.8 | 1302.1 | 1316.8 | 1335.3 | 1343.3 | 1348.5 | 1343.6 | 1348.5 |
| 165° | 1214.4 | 1245.3 | 1276.2 | 1301.9 | 1313.5 | 1325.0 | 1344.3 | 1353.3 | 1357.2 | 1352.1 | 1357.2 |
| 167.5° | 1236.8 | 1260.5 | 1285.4 | 1307.5 | 1316.0 | 1327.4 | 1346.7 | 1354.1 | 1359.0 | 1352.6 | 1359.0 |
| 170° | 1249.1 | 1269.7 | 1291.6 | 1309.6 | 1316.0 | 1326.3 | 1345.6 | 1352.1 | 1355.9 | 1349.5 | 1355.9 |
| 172.5° | 1259.4 | 1274.9 | 1292.6 | 1308.6 | 1311.9 | 1320.2 | 1338.4 | 1344.9 | 1347.7 | 1342.3 | 1347.7 |
| 175° | 1269.7 | 1278.7 | 1291.6 | 1301.9 | 1300.6 | 1305.7 | 1321.2 | 1326.3 | 1331.5 | 1323.8 | 1331.5 |
| 177.5° | 1274.6 | 1278.7 | 1282.8 | 1289.0 | 1284.9 | 1284.9 | 1296.2 | 1299.3 | 1300.3 | 1296.2 | 1300.3 |
| 180° | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 |



TEST NUMBER: P1427918

CATALOG NUMBER: SQ2W-PH1-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1010.9 | 1010.9 | 1010.9 | 1010.9 | 1010.9 | 1010.9 | 1010.9 | 1010.9 | 1010.9 | 1010.9 | 1010.9 |
| 2.5° | 986.1 | 989.3 | 993.4 | 1000.8 | 1011.4 | 1018.1 | 1013.3 | 1008.5 | 1013.3 | 1018.1 | 1011.4 |
| 5° | 922.2 | 932.3 | 945.6 | 965.4 | 991.9 | 1011.9 | 1012.4 | 1012.8 | 1012.4 | 1011.9 | 991.9 |
| 7.5° | 860.8 | 872.0 | 886.6 | 909.6 | 941.0 | 967.8 | 981.1 | 994.3 | 981.1 | 967.8 | 941.0 |
| 10° | 827.2 | 837.1 | 850.3 | 873.9 | 907.6 | 938.0 | 958.1 | 978.2 | 958.1 | 938.0 | 907.6 |
| 12.5° | 805.4 | 812.2 | 822.0 | 843.8 | 877.6 | 910.9 | 942.6 | 974.3 | 942.6 | 910.9 | 877.6 |
| 15° | 786.0 | 786.8 | 789.3 | 805.1 | 834.2 | 868.0 | 915.9 | 963.7 | 915.9 | 868.0 | 834.2 |
| 17.5° | 776.0 | 770.5 | 765.1 | 773.5 | 795.9 | 825.6 | 877.2 | 928.7 | 877.2 | 825.6 | 795.9 |
| 20° | 769.8 | 760.8 | 750.5 | 755.2 | 774.9 | 802.4 | 853.2 | 904.1 | 853.2 | 802.4 | 774.9 |
| 22.5° | 759.2 | 750.0 | 738.7 | 740.7 | 755.9 | 780.2 | 831.8 | 883.3 | 831.8 | 780.2 | 755.9 |
| 25° | 737.4 | 730.3 | 720.5 | 717.7 | 722.0 | 739.7 | 797.9 | 856.0 | 797.9 | 739.7 | 722.0 |
| 27.5° | 711.7 | 707.1 | 701.1 | 695.6 | 690.5 | 701.9 | 762.6 | 823.3 | 762.6 | 701.9 | 690.5 |
| 30° | 696.8 | 690.9 | 684.9 | 677.9 | 669.7 | 678.8 | 739.5 | 800.2 | 739.5 | 678.8 | 669.7 |
| 32.5° | 699.3 | 685.5 | 671.3 | 658.1 | 645.9 | 652.4 | 715.2 | 777.9 | 715.2 | 652.4 | 645.9 |
| 35° | 701.0 | 672.9 | 649.4 | 630.2 | 615.2 | 620.4 | 685.8 | 751.2 | 685.8 | 620.4 | 615.2 |
| 37.5° | 659.9 | 641.3 | 621.1 | 600.8 | 580.5 | 582.9 | 653.0 | 723.1 | 653.0 | 582.9 | 580.5 |
| 40° | 643.4 | 631.6 | 605.5 | 580.3 | 555.9 | 556.0 | 629.6 | 703.1 | 629.6 | 556.0 | 555.9 |
| 42.5° | 628.1 | 615.7 | 581.7 | 554.0 | 532.3 | 534.5 | 608.0 | 681.5 | 608.0 | 534.5 | 532.3 |
| 45° | 537.0 | 539.6 | 530.6 | 515.2 | 493.4 | 496.2 | 572.7 | 649.2 | 572.7 | 496.2 | 493.4 |
| 47.5° | 451.1 | 469.8 | 489.9 | 488.2 | 464.7 | 465.3 | 538.2 | 611.1 | 538.2 | 465.3 | 464.7 |
| 50° | 413.1 | 439.5 | 471.6 | 474.2 | 447.2 | 444.2 | 513.1 | 581.9 | 513.1 | 444.2 | 447.2 |
| 52.5° | 381.6 | 415.2 | 457.8 | 463.0 | 430.6 | 422.6 | 488.0 | 553.4 | 488.0 | 422.6 | 430.6 |
| 55° | 340.2 | 384.4 | 443.0 | 449.8 | 404.9 | 387.0 | 449.8 | 512.6 | 449.8 | 387.0 | 404.9 |
| 57.5° | 303.9 | 341.4 | 392.2 | 399.4 | 363.0 | 350.5 | 409.9 | 469.4 | 409.9 | 350.5 | 363.0 |
| 60° | 281.2 | 308.1 | 343.2 | 350.0 | 328.6 | 327.0 | 384.7 | 442.4 | 384.7 | 327.0 | 328.6 |
| 62.5° | 253.5 | 271.9 | 295.7 | 303.7 | 296.0 | 304.0 | 359.0 | 414.0 | 359.0 | 304.0 | 296.0 |
| 65° | 202.9 | 217.7 | 237.4 | 248.9 | 252.3 | 267.4 | 317.4 | 367.4 | 317.4 | 267.4 | 252.3 |
| 67.5° | 164.0 | 177.8 | 192.8 | 204.2 | 212.2 | 229.0 | 272.6 | 316.2 | 272.6 | 229.0 | 212.2 |
| 70° | 131.0 | 145.2 | 161.9 | 175.6 | 186.3 | 203.9 | 242.4 | 280.8 | 242.4 | 203.9 | 186.3 |
| 72.5° | 106.9 | 119.1 | 132.7 | 146.0 | 159.1 | 177.1 | 210.1 | 243.1 | 210.1 | 177.1 | 159.1 |
| 75° | 69.0 | 78.5 | 90.9 | 104.4 | 118.9 | 136.5 | 163.0 | 189.5 | 163.0 | 136.5 | 118.9 |
| 77.5° | 51.4 | 56.0 | 62.3 | 71.6 | 84.1 | 98.3 | 117.6 | 137.0 | 117.6 | 98.3 | 84.1 |
| 80° | 41.5 | 41.7 | 42.1 | 48.7 | 61.6 | 74.8 | 89.3 | 103.9 | 89.3 | 74.8 | 61.6 |
| 82.5° | 32.9 | 32.4 | 31.8 | 35.4 | 43.1 | 51.6 | 62.3 | 73.1 | 62.3 | 51.6 | 43.1 |
| 85° | 15.3 | 16.7 | 18.4 | 19.7 | 20.5 | 22.4 | 27.6 | 32.7 | 27.6 | 22.4 | 20.5 |
| 87.5° | 9.3 | 9.0 | 9.0 | 9.2 | 9.5 | 9.3 | 8.4 | 7.7 | 8.4 | 9.1 | 10.0 |
| 90° | 27.0 | 25.7 | 25.7 | 24.4 | 20.6 | 15.4 | 9.0 | 3.9 | 9.0 | 14.2 | 23.2 |
| 92.5° | 32.2 | 31.9 | 29.8 | 27.5 | 22.6 | 22.6 | 22.4 | 14.2 | 24.4 | 34.7 | 49.9 |
| 95° | 29.6 | 29.6 | 34.7 | 43.7 | 64.3 | 65.6 | 43.7 | 39.9 | 56.6 | 79.8 | 100.3 |
| 97.5° | 80.0 | 95.2 | 116.8 | 120.9 | 114.5 | 85.4 | 81.8 | 76.2 | 103.7 | 126.6 | 159.8 |
| 100° | 147.9 | 167.2 | 182.7 | 151.8 | 119.6 | 118.4 | 110.6 | 108.1 | 137.6 | 159.5 | 191.7 |
| 102.5° | 231.3 | 237.2 | 183.7 | 166.2 | 158.7 | 153.3 | 141.5 | 140.0 | 169.6 | 199.7 | 226.7 |
| 105° | 250.9 | 225.1 | 226.4 | 226.4 | 221.3 | 211.0 | 189.1 | 187.8 | 221.3 | 256.0 | 289.5 |
| 107.5° | 295.1 | 299.0 | 305.7 | 304.1 | 298.2 | 270.7 | 244.9 | 239.0 | 269.1 | 310.8 | 347.6 |
| 110° | 353.8 | 357.6 | 360.2 | 357.6 | 348.6 | 313.9 | 283.0 | 274.0 | 301.0 | 344.8 | 384.6 |



TEST NUMBER: P1427918

CATALOG NUMBER: SQ2W-PH1-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 410.4 | 413.2 | 418.9 | 411.1 | 396.0 | 356.1 | 321.1 | 308.0 | 335.0 | 379.8 | 420.7 |
| 115° | 500.4 | 500.4 | 501.7 | 497.9 | 467.0 | 425.8 | 379.5 | 360.2 | 383.4 | 424.5 | 469.6 |
| 117.5° | 588.9 | 590.5 | 585.3 | 575.0 | 539.3 | 491.4 | 439.5 | 408.6 | 426.8 | 470.3 | 516.6 |
| 120° | 644.5 | 647.1 | 641.9 | 626.5 | 591.8 | 537.7 | 478.6 | 442.5 | 456.7 | 499.1 | 545.5 |
| 122.5° | 702.1 | 701.6 | 695.5 | 678.0 | 637.0 | 581.0 | 522.8 | 478.6 | 484.5 | 523.8 | 569.1 |
| 125° | 782.2 | 780.9 | 775.7 | 755.1 | 712.7 | 654.8 | 586.6 | 532.6 | 524.9 | 558.3 | 604.6 |
| 127.5° | 858.3 | 855.5 | 847.5 | 822.6 | 779.1 | 723.2 | 648.4 | 587.1 | 569.9 | 591.0 | 633.4 |
| 130° | 910.8 | 906.9 | 892.8 | 865.8 | 823.3 | 770.6 | 694.7 | 625.2 | 600.8 | 613.6 | 650.9 |
| 132.5° | 961.2 | 950.2 | 938.1 | 909.0 | 869.6 | 814.8 | 737.9 | 665.4 | 631.6 | 637.3 | 666.4 |
| 135° | 1025.3 | 1015.0 | 999.6 | 971.3 | 934.0 | 879.9 | 802.7 | 724.3 | 678.0 | 672.8 | 689.5 |
| 137.5° | 1081.6 | 1070.8 | 1053.3 | 1028.9 | 991.3 | 943.2 | 869.1 | 786.3 | 727.9 | 710.6 | 717.1 |
| 140° | 1116.6 | 1103.8 | 1088.3 | 1063.9 | 1030.4 | 980.3 | 908.2 | 828.5 | 762.9 | 738.4 | 734.6 |
| 142.5° | 1145.5 | 1135.7 | 1119.2 | 1096.8 | 1067.5 | 1017.3 | 947.3 | 868.6 | 798.9 | 767.2 | 758.2 |
| 145° | 1188.7 | 1181.0 | 1162.9 | 1142.4 | 1117.9 | 1067.8 | 1003.4 | 925.0 | 855.5 | 814.3 | 795.0 |
| 147.5° | 1225.2 | 1219.0 | 1204.9 | 1180.7 | 1160.1 | 1112.0 | 1053.3 | 983.9 | 912.6 | 861.7 | 836.7 |
| 150° | 1247.9 | 1242.7 | 1228.6 | 1205.4 | 1184.8 | 1139.8 | 1083.2 | 1018.9 | 950.7 | 896.7 | 864.5 |
| 152.5° | 1269.5 | 1264.3 | 1248.1 | 1225.0 | 1207.5 | 1165.5 | 1114.1 | 1052.8 | 983.6 | 929.6 | 896.4 |
| 155° | 1298.0 | 1291.6 | 1276.2 | 1254.3 | 1238.8 | 1200.3 | 1152.7 | 1098.6 | 1039.4 | 982.8 | 945.5 |
| 157.5° | 1320.7 | 1312.7 | 1298.3 | 1279.5 | 1263.0 | 1227.5 | 1186.1 | 1139.5 | 1087.8 | 1033.8 | 995.7 |
| 160° | 1334.0 | 1325.0 | 1309.6 | 1292.9 | 1277.4 | 1244.0 | 1206.7 | 1164.2 | 1116.6 | 1067.8 | 1026.6 |
| 162.5° | 1343.3 | 1335.3 | 1316.8 | 1302.1 | 1288.8 | 1258.4 | 1223.2 | 1184.8 | 1142.4 | 1099.7 | 1061.6 |
| 165° | 1353.3 | 1344.3 | 1325.0 | 1313.5 | 1301.9 | 1276.2 | 1245.3 | 1214.4 | 1178.4 | 1143.7 | 1112.8 |
| 167.5° | 1354.1 | 1346.7 | 1327.4 | 1316.0 | 1307.5 | 1285.4 | 1260.5 | 1236.8 | 1208.7 | 1181.5 | 1155.7 |
| 170° | 1352.1 | 1345.6 | 1326.3 | 1316.0 | 1309.6 | 1291.6 | 1269.7 | 1249.1 | 1227.3 | 1204.1 | 1183.5 |
| 172.5° | 1344.9 | 1338.4 | 1320.2 | 1311.9 | 1308.6 | 1292.6 | 1274.9 | 1259.4 | 1240.7 | 1223.7 | 1207.2 |
| 175° | 1326.3 | 1321.2 | 1305.7 | 1300.6 | 1301.9 | 1291.6 | 1278.7 | 1269.7 | 1258.1 | 1247.9 | 1238.8 |
| 177.5° | 1299.3 | 1296.2 | 1284.9 | 1284.9 | 1289.0 | 1282.8 | 1278.7 | 1274.6 | 1269.5 | 1266.4 | 1263.3 |
| 180° | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 |



TEST NUMBER: P1427918

CATALOG NUMBER: SQ2W-PH1-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1010.9 | 1010.9 | 1010.9 | 1010.9 | 1010.9 | 1010.9 | 1010.9 | 1010.9 | 1010.9 | 1010.9 | 1010.9 |
| 2.5° | 1000.8 | 993.4 | 989.3 | 986.1 | 985.4 | 984.7 | 985.4 | 986.1 | 989.3 | 993.4 | 1000.8 |
| 5° | 965.4 | 945.6 | 932.3 | 922.2 | 921.3 | 920.4 | 921.3 | 922.2 | 932.3 | 945.6 | 965.4 |
| 7.5° | 909.6 | 886.6 | 872.0 | 860.8 | 860.2 | 859.5 | 860.2 | 860.8 | 872.0 | 886.6 | 909.6 |
| 10° | 873.9 | 850.3 | 837.1 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 837.1 | 850.3 | 873.9 |
| 12.5° | 843.8 | 822.0 | 812.2 | 805.4 | 807.4 | 809.5 | 807.4 | 805.4 | 812.2 | 822.0 | 843.8 |
| 15° | 805.1 | 789.3 | 786.8 | 786.0 | 790.7 | 795.4 | 790.7 | 786.0 | 786.8 | 789.3 | 805.1 |
| 17.5° | 773.5 | 765.1 | 770.5 | 776.0 | 781.5 | 786.9 | 781.5 | 776.0 | 770.5 | 765.1 | 773.5 |
| 20° | 755.2 | 750.5 | 760.8 | 769.8 | 774.9 | 780.0 | 774.9 | 769.8 | 760.8 | 750.5 | 755.2 |
| 22.5° | 740.7 | 738.7 | 750.0 | 759.2 | 761.9 | 764.6 | 761.9 | 759.2 | 750.0 | 738.7 | 740.7 |
| 25° | 717.7 | 720.5 | 730.3 | 737.4 | 736.1 | 734.8 | 736.1 | 737.4 | 730.3 | 720.5 | 717.7 |
| 27.5° | 695.6 | 701.1 | 707.1 | 711.7 | 712.5 | 713.3 | 712.5 | 711.7 | 707.1 | 701.1 | 695.6 |
| 30° | 677.9 | 684.9 | 690.9 | 696.8 | 702.3 | 707.9 | 702.3 | 696.8 | 690.9 | 684.9 | 677.9 |
| 32.5° | 658.1 | 671.3 | 685.5 | 699.3 | 712.1 | 724.8 | 712.1 | 699.3 | 685.5 | 671.3 | 658.1 |
| 35° | 630.2 | 649.4 | 672.9 | 701.0 | 742.9 | 784.8 | 742.9 | 701.0 | 672.9 | 649.4 | 630.2 |
| 37.5° | 600.8 | 621.1 | 641.3 | 659.9 | 673.2 | 686.5 | 673.2 | 659.9 | 641.3 | 621.1 | 600.8 |
| 40° | 580.3 | 605.5 | 631.6 | 643.4 | 612.7 | 581.9 | 612.7 | 643.4 | 631.6 | 605.5 | 580.3 |
| 42.5° | 554.0 | 581.7 | 615.7 | 628.1 | 576.2 | 524.2 | 576.2 | 628.1 | 615.7 | 581.7 | 554.0 |
| 45° | 515.2 | 530.6 | 539.6 | 537.0 | 499.8 | 462.6 | 499.8 | 537.0 | 539.6 | 530.6 | 515.2 |
| 47.5° | 488.2 | 489.9 | 469.8 | 451.1 | 436.6 | 422.0 | 436.6 | 451.1 | 469.8 | 489.9 | 488.2 |
| 50° | 474.2 | 471.6 | 439.5 | 413.1 | 403.7 | 394.3 | 403.7 | 413.1 | 439.5 | 471.6 | 474.2 |
| 52.5° | 463.0 | 457.8 | 415.2 | 381.6 | 375.3 | 368.9 | 375.3 | 381.6 | 415.2 | 457.8 | 463.0 |
| 55° | 449.8 | 443.0 | 384.4 | 340.2 | 338.9 | 337.6 | 338.9 | 340.2 | 384.4 | 443.0 | 449.8 |
| 57.5° | 399.4 | 392.2 | 341.4 | 303.9 | 306.1 | 308.4 | 306.1 | 303.9 | 341.4 | 392.2 | 399.4 |
| 60° | 350.0 | 343.2 | 308.1 | 281.2 | 278.6 | 276.0 | 278.6 | 281.2 | 308.1 | 343.2 | 350.0 |
| 62.5° | 303.7 | 295.7 | 271.9 | 253.5 | 250.9 | 248.3 | 250.9 | 253.5 | 271.9 | 295.7 | 303.7 |
| 65° | 248.9 | 237.4 | 217.7 | 202.9 | 202.9 | 202.9 | 202.9 | 202.9 | 217.7 | 237.4 | 248.9 |
| 67.5° | 204.2 | 192.8 | 177.8 | 164.0 | 153.8 | 143.5 | 153.8 | 164.0 | 177.8 | 192.8 | 204.2 |
| 70° | 175.6 | 161.9 | 145.2 | 131.0 | 124.2 | 117.3 | 124.2 | 131.0 | 145.2 | 161.9 | 175.6 |
| 72.5° | 146.0 | 132.7 | 119.1 | 106.9 | 99.0 | 91.2 | 99.0 | 106.9 | 119.1 | 132.7 | 146.0 |
| 75° | 104.4 | 90.9 | 78.5 | 69.0 | 68.2 | 67.3 | 68.2 | 69.0 | 78.5 | 90.9 | 104.4 |
| 77.5° | 71.6 | 62.3 | 56.0 | 51.4 | 51.5 | 51.6 | 51.5 | 51.4 | 56.0 | 62.3 | 71.6 |
| 80° | 48.7 | 42.1 | 41.7 | 41.5 | 41.9 | 42.3 | 41.9 | 41.5 | 41.7 | 42.1 | 48.7 |
| 82.5° | 35.4 | 31.8 | 32.4 | 32.9 | 33.0 | 33.1 | 33.0 | 32.9 | 32.4 | 31.8 | 35.4 |
| 85° | 19.7 | 18.4 | 16.7 | 15.3 | 14.9 | 14.4 | 14.9 | 15.3 | 16.7 | 18.4 | 19.7 |
| 87.5° | 10.3 | 11.6 | 13.4 | 14.4 | 15.4 | 14.9 | 15.4 | 14.4 | 13.4 | 11.6 | 10.3 |
| 90° | 29.6 | 38.6 | 47.6 | 52.7 | 57.9 | 55.3 | 57.9 | 52.7 | 47.6 | 38.6 | 29.6 |
| 92.5° | 59.4 | 74.6 | 85.7 | 94.9 | 99.1 | 98.5 | 99.1 | 94.9 | 85.7 | 74.6 | 59.4 |
| 95° | 119.6 | 137.6 | 155.7 | 168.5 | 176.2 | 173.7 | 176.2 | 168.5 | 155.7 | 137.6 | 119.6 |
| 97.5° | 184.5 | 208.7 | 228.7 | 240.8 | 248.5 | 253.7 | 248.5 | 240.8 | 228.7 | 208.7 | 184.5 |
| 100° | 227.7 | 250.9 | 274.0 | 288.2 | 301.0 | 306.2 | 301.0 | 288.2 | 274.0 | 250.9 | 227.7 |
| 102.5° | 262.7 | 293.1 | 318.3 | 333.4 | 344.3 | 349.4 | 344.3 | 318.3 | 293.1 | 262.7 | |
| 105° | 320.3 | 352.5 | 379.5 | 398.8 | 410.4 | 414.2 | 410.4 | 398.8 | 379.5 | 352.5 | 320.3 |
| 107.5° | 378.0 | 411.1 | 436.1 | 457.5 | 471.6 | 479.8 | 471.6 | 457.5 | 436.1 | 411.1 | 378.0 |
| 110° | 423.2 | 450.3 | 477.3 | 496.6 | 510.7 | 515.9 | 510.7 | 496.6 | 477.3 | 450.3 | 423.2 |



TEST NUMBER: P1427918

CATALOG NUMBER: SQ2W-PH1-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 461.3 | 491.4 | 518.4 | 537.7 | 553.9 | 561.1 | 553.9 | 537.7 | 518.4 | 491.4 | 461.3 |
| 115° | 514.6 | 554.5 | 578.9 | 596.9 | 608.5 | 614.9 | 608.5 | 596.9 | 578.9 | 554.5 | 514.6 |
| 117.5° | 558.8 | 600.5 | 627.3 | 641.2 | 646.6 | 651.2 | 646.6 | 641.2 | 627.3 | 600.5 | 558.8 |
| 120° | 586.6 | 625.2 | 656.1 | 674.1 | 680.5 | 683.1 | 680.5 | 674.1 | 656.1 | 625.2 | 586.6 |
| 122.5° | 612.3 | 648.9 | 678.7 | 700.9 | 711.4 | 714.0 | 711.4 | 700.9 | 678.7 | 648.9 | 612.3 |
| 125° | 648.4 | 683.1 | 714.0 | 735.8 | 747.4 | 753.9 | 747.4 | 735.8 | 714.0 | 683.1 | 648.4 |
| 127.5° | 679.8 | 717.3 | 745.6 | 765.4 | 776.8 | 781.9 | 776.8 | 765.4 | 745.6 | 717.3 | 679.8 |
| 130° | 697.3 | 735.8 | 764.1 | 786.0 | 796.3 | 801.5 | 796.3 | 786.0 | 764.1 | 735.8 | 697.3 |
| 132.5° | 710.6 | 751.3 | 780.6 | 800.4 | 811.7 | 816.9 | 811.7 | 800.4 | 780.6 | 751.3 | 710.6 |
| 135° | 726.8 | 769.3 | 800.2 | 819.5 | 829.8 | 834.9 | 829.8 | 819.5 | 800.2 | 769.3 | 726.8 |
| 137.5° | 741.0 | 779.6 | 811.7 | 832.1 | 841.3 | 844.7 | 841.3 | 832.1 | 811.7 | 779.6 | 741.0 |
| 140° | 751.3 | 784.7 | 816.9 | 836.2 | 846.5 | 847.8 | 846.5 | 836.2 | 816.9 | 784.7 | 751.3 |
| 142.5° | 764.7 | 790.9 | 819.0 | 838.2 | 848.5 | 850.9 | 848.5 | 838.2 | 819.0 | 790.9 | 764.7 |
| 145° | 788.6 | 804.0 | 823.3 | 841.3 | 850.3 | 852.9 | 850.3 | 841.3 | 823.3 | 804.0 | 788.6 |
| 147.5° | 818.7 | 823.6 | 833.6 | 845.5 | 854.2 | 856.0 | 854.2 | 845.5 | 833.6 | 823.6 | 818.7 |
| 150° | 841.3 | 840.1 | 843.9 | 851.6 | 859.3 | 858.1 | 859.3 | 851.6 | 843.9 | 840.1 | 841.3 |
| 152.5° | 867.1 | 859.6 | 859.3 | 862.9 | 866.6 | 866.3 | 866.6 | 862.9 | 859.3 | 859.6 | 867.1 |
| 155° | 910.8 | 896.7 | 888.9 | 886.4 | 886.4 | 885.1 | 886.4 | 886.4 | 888.9 | 896.7 | 910.8 |
| 157.5° | 958.9 | 939.1 | 927.5 | 921.4 | 919.6 | 916.7 | 919.6 | 921.4 | 927.5 | 939.1 | 958.9 |
| 160° | 991.9 | 970.0 | 958.4 | 948.1 | 944.3 | 940.4 | 944.3 | 948.1 | 958.4 | 970.0 | 991.9 |
| 162.5° | 1022.7 | 1001.9 | 989.3 | 980.0 | 976.2 | 970.2 | 976.2 | 980.0 | 989.3 | 1001.9 | 1022.7 |
| 165° | 1072.9 | 1051.0 | 1036.9 | 1029.2 | 1024.0 | 1018.9 | 1024.0 | 1029.2 | 1036.9 | 1051.0 | 1072.9 |
| 167.5° | 1123.1 | 1099.1 | 1089.9 | 1081.1 | 1076.2 | 1067.0 | 1076.2 | 1081.1 | 1089.9 | 1099.1 | 1123.1 |
| 170° | 1153.9 | 1132.1 | 1126.9 | 1119.2 | 1110.2 | 1099.9 | 1110.2 | 1119.2 | 1126.9 | 1132.1 | 1153.9 |
| 172.5° | 1180.7 | 1166.0 | 1160.9 | 1153.2 | 1150.3 | 1142.1 | 1150.3 | 1153.2 | 1160.9 | 1166.0 | 1180.7 |
| 175° | 1219.6 | 1208.0 | 1208.0 | 1206.7 | 1202.8 | 1195.1 | 1202.8 | 1206.7 | 1208.0 | 1208.0 | 1219.6 |
| 177.5° | 1252.0 | 1245.8 | 1249.9 | 1249.9 | 1248.9 | 1241.7 | 1248.9 | 1249.9 | 1249.9 | 1245.8 | 1252.0 |
| 180° | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 |



TEST NUMBER: P1427918

CATALOG NUMBER: SQ2W-PH1-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|
| 0° | 1010.9 | 1010.9 | 1010.9 | 1010.9 |
| 2.5° | 1011.4 | 1018.1 | 1013.3 | 1008.5 |
| 5° | 991.9 | 1011.9 | 1012.4 | 1012.8 |
| 7.5° | 941.0 | 967.8 | 981.1 | 994.3 |
| 10° | 907.6 | 938.0 | 958.1 | 978.2 |
| 12.5° | 877.6 | 910.9 | 942.6 | 974.3 |
| 15° | 834.2 | 868.0 | 915.9 | 963.7 |
| 17.5° | 795.9 | 825.6 | 877.2 | 928.7 |
| 20° | 774.9 | 802.4 | 853.2 | 904.1 |
| 22.5° | 755.9 | 780.2 | 831.8 | 883.3 |
| 25° | 722.0 | 739.7 | 797.9 | 856.0 |
| 27.5° | 690.5 | 701.9 | 762.6 | 823.3 |
| 30° | 669.7 | 678.8 | 739.5 | 800.2 |
| 32.5° | 645.9 | 652.4 | 715.2 | 777.9 |
| 35° | 615.2 | 620.4 | 685.8 | 751.2 |
| 37.5° | 580.5 | 582.9 | 653.0 | 723.1 |
| 40° | 555.9 | 556.0 | 629.6 | 703.1 |
| 42.5° | 532.3 | 534.5 | 608.0 | 681.5 |
| 45° | 493.4 | 496.2 | 572.7 | 649.2 |
| 47.5° | 464.7 | 465.3 | 538.2 | 611.1 |
| 50° | 447.2 | 444.2 | 513.1 | 581.9 |
| 52.5° | 430.6 | 422.6 | 488.0 | 553.4 |
| 55° | 404.9 | 387.0 | 449.8 | 512.6 |
| 57.5° | 363.0 | 350.5 | 409.9 | 469.4 |
| 60° | 328.6 | 327.0 | 384.7 | 442.4 |
| 62.5° | 296.0 | 304.0 | 359.0 | 414.0 |
| 65° | 252.3 | 267.4 | 317.4 | 367.4 |
| 67.5° | 212.2 | 229.0 | 272.6 | 316.2 |
| 70° | 186.3 | 203.9 | 242.4 | 280.8 |
| 72.5° | 159.1 | 177.1 | 210.1 | 243.1 |
| 75° | 118.9 | 136.5 | 163.0 | 189.5 |
| 77.5° | 84.1 | 98.3 | 117.6 | 137.0 |
| 80° | 61.6 | 74.8 | 89.3 | 103.9 |
| 82.5° | 43.1 | 51.6 | 62.3 | 73.1 |
| 85° | 20.5 | 22.4 | 27.6 | 32.7 |
| 87.5° | 10.0 | 9.1 | 8.4 | 7.7 |
| 90° | 23.2 | 14.2 | 9.0 | 3.9 |
| 92.5° | 49.9 | 34.7 | 24.4 | 14.2 |
| 95° | 100.3 | 79.8 | 56.6 | 39.9 |
| 97.5° | 159.8 | 126.6 | 103.7 | 76.2 |
| 100° | 191.7 | 159.5 | 137.6 | 108.1 |
| 102.5° | 226.7 | 199.7 | 169.6 | 140.0 |
| 105° | 289.5 | 256.0 | 221.3 | 187.8 |
| 107.5° | 347.6 | 310.8 | 269.1 | 239.0 |
| 110° | 384.6 | 344.8 | 301.0 | 274.0 |



TEST NUMBER: P1427918

CATALOG NUMBER: SQ2W-PH1-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|
| 112.5° | 420.7 | 379.8 | 335.0 | 308.0 |
| 115° | 469.6 | 424.5 | 383.4 | 360.2 |
| 117.5° | 516.6 | 470.3 | 426.8 | 408.6 |
| 120° | 545.5 | 499.1 | 456.7 | 442.5 |
| 122.5° | 569.1 | 523.8 | 484.5 | 478.6 |
| 125° | 604.6 | 558.3 | 524.9 | 532.6 |
| 127.5° | 633.4 | 591.0 | 569.9 | 587.1 |
| 130° | 650.9 | 613.6 | 600.8 | 625.2 |
| 132.5° | 666.4 | 637.3 | 631.6 | 665.4 |
| 135° | 689.5 | 672.8 | 678.0 | 724.3 |
| 137.5° | 717.1 | 710.6 | 727.9 | 786.3 |
| 140° | 734.6 | 738.4 | 762.9 | 828.5 |
| 142.5° | 758.2 | 767.2 | 798.9 | 868.6 |
| 145° | 795.0 | 814.3 | 855.5 | 925.0 |
| 147.5° | 836.7 | 861.7 | 912.6 | 983.9 |
| 150° | 864.5 | 896.7 | 950.7 | 1018.9 |
| 152.5° | 896.4 | 929.6 | 983.6 | 1052.8 |
| 155° | 945.5 | 982.8 | 1039.4 | 1098.6 |
| 157.5° | 995.7 | 1033.8 | 1087.8 | 1139.5 |
| 160° | 1026.6 | 1067.8 | 1116.6 | 1164.2 |
| 162.5° | 1061.6 | 1099.7 | 1142.4 | 1184.8 |
| 165° | 1112.8 | 1143.7 | 1178.4 | 1214.4 |
| 167.5° | 1155.7 | 1181.5 | 1208.7 | 1236.8 |
| 170° | 1183.5 | 1204.1 | 1227.3 | 1249.1 |
| 172.5° | 1207.2 | 1223.7 | 1240.7 | 1259.4 |
| 175° | 1238.8 | 1247.9 | 1258.1 | 1269.7 |
| 177.5° | 1263.3 | 1266.4 | 1269.5 | 1274.6 |
| 180° | 1273.6 | 1273.6 | 1273.6 | 1273.6 |



TEST NUMBER: P1427918
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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 | 15.30 | 16.06 | 16.36 | 17.12 | 18.56 | 14.13 | 14.89 | 15.19 | 15.95 | 17.39 |
| | 3H | 17.47 | 18.14 | 18.54 | 19.21 | 20.67 | 15.17 | 15.85 | 16.24 | 16.92 | 18.38 |
| | 4H | 18.28 | 18.92 | 19.36 | 19.99 | 21.45 | 15.41 | 16.05 | 16.49 | 17.13 | 18.59 |
| | 6H | 18.74 | 19.33 | 19.83 | 20.40 | 21.88 | 15.55 | 16.14 | 16.64 | 17.21 | 18.69 |
| | 8H | 18.89 | 19.45 | 19.98 | 20.54 | 22.01 | 15.60 | 16.17 | 16.70 | 17.26 | 18.73 |
| | 12H | 18.94 | 19.48 | 20.04 | 20.56 | 22.05 | 15.61 | 16.14 | 16.71 | 17.23 | 18.72 |
| 4H | 2H | 15.73 | 16.37 | 16.81 | 17.44 | 18.90 | 14.80 | 15.44 | 15.89 | 16.51 | 17.98 |
| | 3H | 17.97 | 18.50 | 19.06 | 19.60 | 21.07 | 16.02 | 16.56 | 17.12 | 17.65 | 19.13 |
| | 4H | 18.84 | 19.32 | 19.93 | 20.41 | 21.91 | 16.31 | 16.80 | 17.41 | 17.89 | 19.38 |
| | 6H | 19.39 | 19.81 | 20.49 | 20.92 | 22.41 | 16.50 | 16.92 | 17.61 | 18.03 | 19.52 |
| | 8H | 19.59 | 19.98 | 20.69 | 21.08 | 22.59 | 16.59 | 16.98 | 17.70 | 18.08 | 19.59 |
| | 12H | 19.67 | 20.02 | 20.79 | 21.14 | 22.65 | 16.61 | 16.96 | 17.73 | 18.08 | 19.59 |
| 8H | 4H | 18.85 | 19.24 | 19.96 | 20.34 | 21.85 | 16.53 | 16.92 | 17.64 | 18.02 | 19.53 |
| | 6H | 19.47 | 19.80 | 20.60 | 20.94 | 22.45 | 16.79 | 17.12 | 17.92 | 18.26 | 19.77 |
| | 8H | 19.74 | 20.02 | 20.87 | 21.15 | 22.67 | 16.94 | 17.22 | 18.07 | 18.35 | 19.87 |
| | 12H | 19.86 | 20.11 | 21.00 | 21.23 | 22.79 | 17.00 | 17.25 | 18.14 | 18.37 | 19.93 |
| 12H | 4H | 18.80 | 19.15 | 19.92 | 20.27 | 21.78 | 16.52 | 16.87 | 17.64 | 17.99 | 19.50 |
| | 6H | 19.45 | 19.73 | 20.58 | 20.86 | 22.38 | 16.83 | 17.11 | 17.96 | 18.24 | 19.76 |
| | 8H | 19.72 | 19.96 | 20.85 | 21.09 | 22.65 | 16.98 | 17.23 | 18.12 | 18.36 | 19.92 |