

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: P1428390

Luminaire Tested: SQ2W-PW1-K-050U-125D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428390
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PW1-K-050U-125D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE WAVES LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

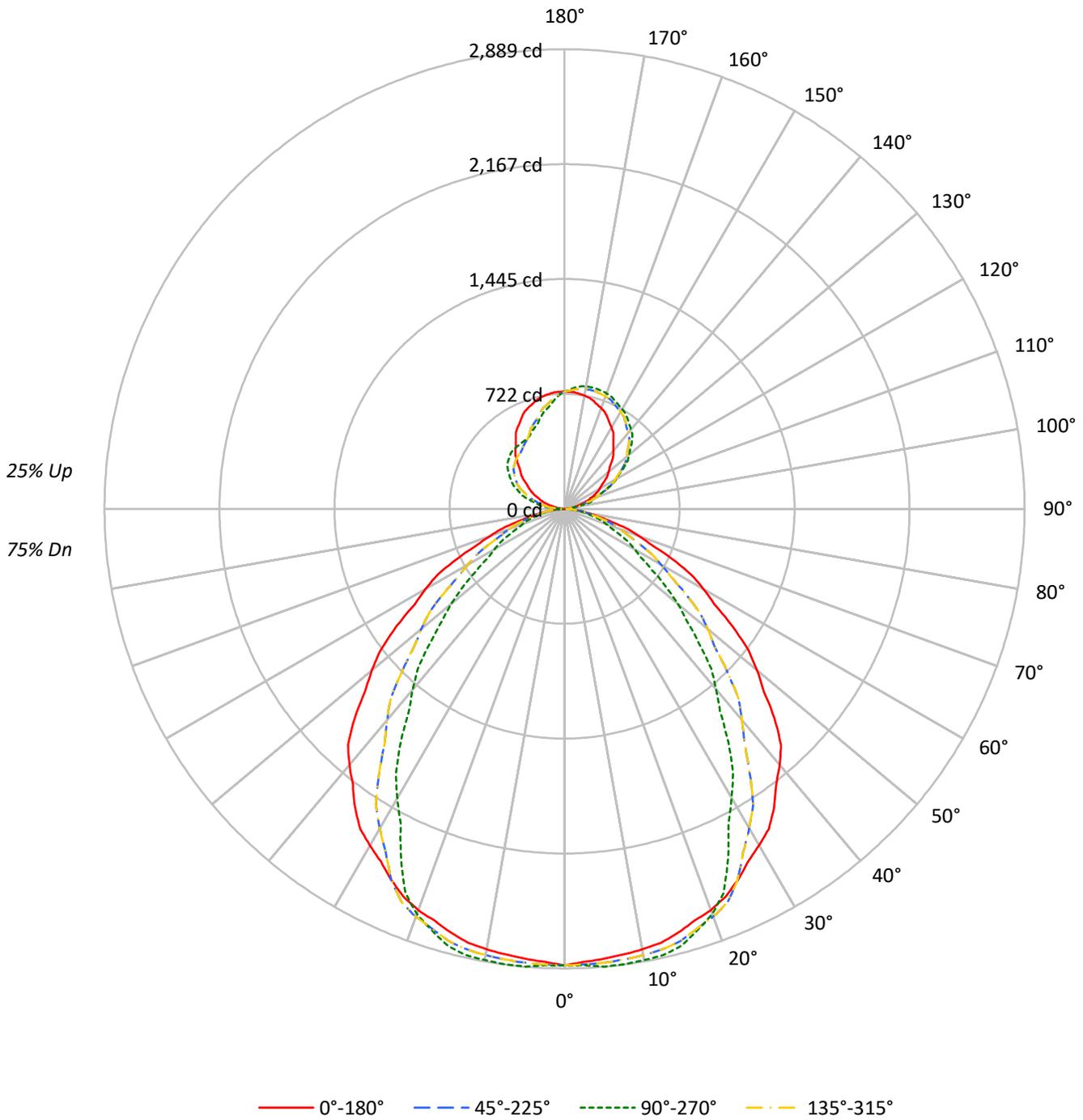
Lumens per Lamp: N/A
Luminaire Lumens: 8521.6 lumens
Efficiency: N/A
Efficacy: 132.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 64.1
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: P1428390

CATALOG NUMBER: SQ2W-PW1-K-050U-125D-L835-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1428390

CATALOG NUMBER: SQ2W-PW1-K-050U-125D-L835-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 | 113 | 113 | 113 | 113 | 107 | 107 | 107 | 107 | 97 | 97 | 97 | 88 | 88 | 88 | 79 | 79 | 79 | 75 |
| 1 | 104 | 100 | 96 | 93 | 99 | 95 | 92 | 89 | 87 | 84 | 82 | 79 | 77 | 75 | 71 | 70 | 68 | 65 |
| 2 | 96 | 88 | 82 | 77 | 91 | 84 | 79 | 75 | 77 | 73 | 69 | 70 | 67 | 64 | 64 | 61 | 59 | 56 |
| 3 | 88 | 79 | 71 | 66 | 83 | 75 | 69 | 63 | 69 | 63 | 59 | 63 | 59 | 55 | 57 | 54 | 51 | 48 |
| 4 | 81 | 70 | 62 | 56 | 77 | 67 | 60 | 55 | 62 | 56 | 51 | 56 | 52 | 48 | 52 | 48 | 45 | 42 |
| 5 | 75 | 63 | 55 | 49 | 71 | 60 | 53 | 48 | 56 | 50 | 45 | 51 | 46 | 42 | 47 | 43 | 40 | 37 |
| 6 | 69 | 57 | 49 | 43 | 66 | 55 | 47 | 42 | 51 | 44 | 40 | 47 | 41 | 37 | 43 | 39 | 35 | 33 |
| 7 | 64 | 52 | 44 | 38 | 61 | 50 | 43 | 37 | 46 | 40 | 35 | 43 | 37 | 33 | 39 | 35 | 32 | 29 |
| 8 | 60 | 47 | 40 | 34 | 57 | 46 | 38 | 33 | 42 | 36 | 32 | 39 | 34 | 30 | 36 | 32 | 29 | 26 |
| 9 | 56 | 44 | 36 | 31 | 53 | 42 | 35 | 30 | 39 | 33 | 29 | 36 | 31 | 27 | 34 | 29 | 26 | 24 |
| 10 | 52 | 40 | 33 | 28 | 50 | 39 | 32 | 27 | 36 | 30 | 26 | 34 | 29 | 25 | 31 | 27 | 24 | 22 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 46333 | 46333 | 46333 | 46333 |
| 5° | 46022 | 46819 | 46022 | 46819 |
| 10° | 46107 | 47226 | 46107 | 47226 |
| 15° | 46094 | 47511 | 46094 | 47511 |
| 20° | 46112 | 46583 | 46112 | 46583 |
| 25° | 45864 | 43284 | 45864 | 43284 |
| 30° | 45551 | 39132 | 45551 | 39132 |
| 35° | 45195 | 35338 | 45195 | 35338 |
| 40° | 44297 | 31221 | 44297 | 31221 |
| 45° | 42559 | 27270 | 42559 | 27270 |
| 50° | 39611 | 23340 | 39611 | 23340 |
| 55° | 36236 | 18925 | 36236 | 18925 |
| 60° | 32478 | 16326 | 32478 | 16326 |
| 65° | 28401 | 14514 | 28401 | 14514 |
| 70° | 23221 | 13161 | 23221 | 13161 |
| 75° | 18072 | 12102 | 18072 | 12102 |
| 80° | 13473 | 10674 | 13473 | 10674 |
| 85° | 9114 | 6076 | 9114 | 6076 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 42559 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 273.3 | 3.2 |
| 10°-20° | 791.8 | 9.3 |
| 20°-30° | 1165.2 | 13.7 |
| 30°-40° | 1274.0 | 14.9 |
| 40°-50° | 1142.8 | 13.4 |
| 50°-60° | 852.5 | 10.0 |
| 60°-70° | 538.8 | 6.3 |
| 70°-80° | 267.0 | 3.1 |
| 80°-90° | 65.5 | 0.8 |
| 90°-100° | 58.6 | 0.7 |
| 100°-110° | 171.0 | 2.0 |
| 110°-120° | 279.0 | 3.3 |
| 120°-130° | 354.0 | 4.2 |
| 130°-140° | 378.8 | 4.4 |
| 140°-150° | 353.8 | 4.2 |
| 150°-160° | 291.1 | 3.4 |
| 160°-170° | 195.2 | 2.3 |
| 170°-180° | 69.3 | 0.8 |
| 0°-30° | 2230.2 | 26.2 |
| 0°-40° | 3504.1 | 41.1 |
| 0°-60° | 5499.5 | 64.5 |
| 0°-90° | 6370.7 | 74.8 |
| 90°-120° | 508.6 | 6.0 |
| 90°-150° | 1595.3 | 18.7 |
| 90°-180° | 2151.0 | 25.2 |
| 0°-180° | 8521.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 2870 | 2870 | 2870 | 2870 | 2870 | |
| 5° | 2840 | 2889 | 2840 | 2889 | 2840 | 270 |
| 15° | 2758 | 2842 | 2758 | 2842 | 2758 | 779 |
| 25° | 2574 | 2430 | 2574 | 2430 | 2574 | 1186 |
| 35° | 2293 | 1793 | 2293 | 1793 | 2293 | 1430 |
| 45° | 1864 | 1194 | 1864 | 1194 | 1864 | 1429 |
| 55° | 1287 | 672 | 1287 | 672 | 1287 | 1149 |
| 65° | 743 | 380 | 743 | 380 | 743 | 737 |
| 75° | 290 | 194 | 290 | 194 | 290 | 319 |
| 85° | 49 | 33 | 49 | 33 | 49 | 62 |
| 90° | 2 | 16 | 2 | 32 | 2 | 4 |
| 95° | 23 | 17 | 23 | 100 | 23 | 28 |
| 105° | 109 | 174 | 109 | 240 | 109 | 116 |
| 115° | 208 | 289 | 208 | 356 | 208 | 205 |
| 125° | 308 | 458 | 308 | 436 | 308 | 276 |
| 135° | 419 | 599 | 419 | 483 | 419 | 324 |
| 145° | 535 | 690 | 535 | 493 | 535 | 335 |
| 155° | 636 | 750 | 636 | 512 | 636 | 292 |
| 165° | 702 | 782 | 702 | 589 | 702 | 198 |
| 175° | 734 | 766 | 734 | 691 | 734 | 70 |
| 180° | 737 | 737 | 737 | 737 | 737 | |



TEST NUMBER: P1428390

CATALOG NUMBER: SQ2W-PW1-K-050U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2869.7 | 2869.7 | 2869.7 | 2869.7 | 2869.7 | 2869.7 | 2869.7 | 2869.7 | 2869.7 | 2869.7 | 2869.7 |
| 2.5° | 2850.0 | 2866.5 | 2883.1 | 2879.2 | 2868.5 | 2863.6 | 2864.6 | 2866.0 | 2869.0 | 2871.9 | 2869.0 |
| 5° | 2839.6 | 2860.3 | 2880.9 | 2877.9 | 2867.0 | 2862.1 | 2863.3 | 2867.0 | 2877.9 | 2888.8 | 2877.9 |
| 7.5° | 2825.4 | 2846.3 | 2867.2 | 2866.2 | 2858.0 | 2855.9 | 2860.0 | 2865.8 | 2876.5 | 2887.2 | 2876.5 |
| 10° | 2812.3 | 2834.2 | 2856.0 | 2856.0 | 2848.7 | 2848.1 | 2854.2 | 2861.2 | 2870.9 | 2880.6 | 2870.9 |
| 12.5° | 2794.8 | 2817.6 | 2840.5 | 2842.2 | 2836.8 | 2837.7 | 2844.7 | 2852.4 | 2862.2 | 2871.9 | 2862.2 |
| 15° | 2757.6 | 2781.9 | 2806.2 | 2811.4 | 2810.2 | 2813.8 | 2822.3 | 2830.2 | 2836.3 | 2842.4 | 2836.3 |
| 17.5° | 2714.5 | 2738.7 | 2763.0 | 2767.8 | 2766.1 | 2766.4 | 2768.6 | 2770.9 | 2773.9 | 2776.8 | 2773.9 |
| 20° | 2683.8 | 2708.1 | 2732.4 | 2735.8 | 2732.1 | 2726.1 | 2717.6 | 2711.2 | 2711.2 | 2711.2 | 2711.2 |
| 22.5° | 2640.1 | 2666.4 | 2692.6 | 2692.8 | 2684.3 | 2668.5 | 2645.4 | 2626.1 | 2618.4 | 2610.6 | 2618.4 |
| 25° | 2574.5 | 2600.0 | 2625.5 | 2613.7 | 2589.4 | 2553.6 | 2506.2 | 2466.1 | 2447.9 | 2429.7 | 2447.9 |
| 27.5° | 2498.0 | 2518.6 | 2539.3 | 2508.4 | 2460.3 | 2402.6 | 2335.3 | 2278.5 | 2253.2 | 2228.0 | 2253.2 |
| 30° | 2443.3 | 2459.1 | 2474.9 | 2426.0 | 2355.6 | 2283.3 | 2209.2 | 2147.6 | 2123.3 | 2099.0 | 2123.3 |
| 32.5° | 2386.5 | 2392.6 | 2398.6 | 2334.2 | 2246.3 | 2163.8 | 2086.8 | 2022.4 | 1996.2 | 1970.0 | 1996.2 |
| 35° | 2293.0 | 2282.1 | 2271.2 | 2185.5 | 2075.0 | 1980.8 | 1903.1 | 1839.0 | 1816.0 | 1792.9 | 1816.0 |
| 37.5° | 2182.6 | 2150.1 | 2117.5 | 2021.0 | 1903.2 | 1803.6 | 1722.2 | 1654.8 | 1629.3 | 1603.7 | 1629.3 |
| 40° | 2101.7 | 2055.5 | 2009.4 | 1905.8 | 1783.2 | 1681.1 | 1599.7 | 1532.3 | 1506.8 | 1481.3 | 1506.8 |
| 42.5° | 2012.1 | 1954.2 | 1896.4 | 1790.0 | 1667.3 | 1565.2 | 1483.9 | 1416.2 | 1389.7 | 1363.2 | 1389.7 |
| 45° | 1863.9 | 1795.9 | 1727.9 | 1617.0 | 1491.9 | 1389.9 | 1310.9 | 1245.4 | 1219.8 | 1194.3 | 1219.8 |
| 47.5° | 1697.2 | 1629.7 | 1562.1 | 1451.6 | 1326.7 | 1226.0 | 1149.5 | 1086.7 | 1064.8 | 1042.9 | 1064.8 |
| 50° | 1577.0 | 1511.4 | 1445.8 | 1340.1 | 1221.1 | 1123.3 | 1046.8 | 982.7 | 956.0 | 929.2 | 956.0 |
| 52.5° | 1454.5 | 1395.7 | 1336.9 | 1235.2 | 1119.0 | 1021.7 | 943.3 | 875.3 | 838.9 | 802.4 | 838.9 |
| 55° | 1287.3 | 1231.4 | 1175.5 | 1079.6 | 970.2 | 871.8 | 784.4 | 713.6 | 693.0 | 672.3 | 693.0 |
| 57.5° | 1115.1 | 1066.7 | 1018.4 | 932.1 | 833.3 | 744.1 | 664.7 | 600.8 | 583.8 | 566.8 | 583.8 |
| 60° | 1005.8 | 963.2 | 920.7 | 838.1 | 742.2 | 660.8 | 594.0 | 539.6 | 522.6 | 505.6 | 522.6 |
| 62.5° | 900.8 | 863.2 | 825.5 | 746.3 | 653.3 | 580.1 | 526.9 | 483.5 | 469.4 | 455.3 | 469.4 |
| 65° | 743.4 | 715.4 | 687.5 | 622.2 | 544.5 | 483.7 | 440.0 | 404.2 | 392.0 | 379.9 | 392.0 |
| 67.5° | 590.3 | 574.8 | 559.2 | 510.3 | 450.3 | 401.1 | 362.8 | 332.0 | 324.0 | 315.9 | 324.0 |
| 70° | 491.9 | 487.1 | 482.2 | 441.8 | 389.6 | 347.7 | 316.1 | 290.9 | 284.8 | 278.8 | 284.8 |
| 72.5° | 406.7 | 408.6 | 410.6 | 377.0 | 331.5 | 296.4 | 271.7 | 252.0 | 247.9 | 243.8 | 247.9 |
| 75° | 289.7 | 299.4 | 309.1 | 287.0 | 254.2 | 229.3 | 212.3 | 198.9 | 196.5 | 194.0 | 196.5 |
| 77.5° | 197.3 | 211.9 | 226.5 | 212.1 | 188.0 | 169.7 | 157.1 | 147.1 | 145.2 | 143.2 | 145.2 |
| 80° | 144.9 | 159.4 | 174.0 | 164.0 | 145.8 | 131.8 | 122.1 | 114.8 | 114.8 | 114.8 | 114.8 |
| 82.5° | 101.1 | 112.8 | 124.4 | 117.3 | 104.0 | 94.9 | 90.0 | 86.4 | 86.4 | 86.4 | 86.4 |
| 85° | 49.2 | 55.3 | 61.3 | 59.2 | 54.4 | 48.3 | 41.0 | 35.2 | 34.0 | 32.8 | 34.0 |
| 87.5° | 13.6 | 17.1 | 20.7 | 18.4 | 14.0 | 11.2 | 10.3 | 9.7 | 9.8 | 9.8 | 9.8 |
| 90° | 2.2 | 5.2 | 8.9 | 11.9 | 14.1 | 14.9 | 14.9 | 15.6 | 16.4 | 16.4 | 16.4 |
| 92.5° | 8.2 | 12.9 | 13.1 | 13.1 | 15.9 | 17.3 | 18.5 | 18.6 | 19.3 | 19.3 | 19.3 |
| 95° | 23.1 | 25.3 | 37.9 | 37.2 | 25.3 | 20.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 |
| 97.5° | 44.1 | 47.3 | 49.4 | 66.2 | 69.9 | 67.6 | 55.1 | 46.3 | 41.4 | 39.1 | 41.4 |
| 100° | 62.5 | 64.0 | 68.5 | 69.2 | 87.8 | 105.7 | 96.7 | 85.6 | 81.9 | 79.6 | 81.9 |
| 102.5° | 81.0 | 81.9 | 88.7 | 91.8 | 96.1 | 106.3 | 137.2 | 133.8 | 131.3 | 130.8 | 131.3 |
| 105° | 108.6 | 109.4 | 122.0 | 128.0 | 131.0 | 131.0 | 130.2 | 145.1 | 168.9 | 174.1 | 168.9 |
| 107.5° | 138.3 | 141.7 | 156.6 | 172.5 | 175.9 | 176.8 | 172.9 | 170.7 | 169.8 | 170.4 | 169.8 |
| 110° | 158.5 | 163.7 | 181.6 | 201.7 | 206.9 | 208.3 | 206.9 | 204.6 | 203.1 | 203.1 | 203.1 |



TEST NUMBER: P1428390

CATALOG NUMBER: SQ2W-PW1-K-050U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 178.1 | 185.7 | 206.0 | 229.0 | 237.8 | 242.3 | 239.0 | 237.4 | 235.9 | 237.1 | 235.9 |
| 115° | 208.3 | 219.5 | 246.3 | 270.1 | 288.0 | 290.2 | 289.5 | 289.5 | 288.7 | 288.7 | 288.7 |
| 117.5° | 236.3 | 254.2 | 284.2 | 311.9 | 332.6 | 338.6 | 341.5 | 340.6 | 339.8 | 341.2 | 339.8 |
| 120° | 256.0 | 276.8 | 311.0 | 342.3 | 362.4 | 371.3 | 374.3 | 372.8 | 374.3 | 372.8 | 374.3 |
| 122.5° | 276.8 | 302.4 | 336.0 | 368.5 | 392.1 | 402.3 | 405.8 | 406.1 | 406.4 | 405.5 | 406.4 |
| 125° | 308.1 | 339.3 | 378.7 | 412.2 | 436.8 | 448.7 | 451.7 | 452.4 | 453.9 | 457.6 | 453.9 |
| 127.5° | 339.6 | 375.0 | 418.3 | 450.6 | 475.8 | 490.2 | 494.8 | 496.5 | 499.6 | 501.2 | 499.6 |
| 130° | 361.6 | 401.8 | 445.7 | 476.2 | 500.8 | 516.4 | 524.6 | 526.8 | 530.5 | 529.8 | 530.5 |
| 132.5° | 384.8 | 426.8 | 471.3 | 503.0 | 525.8 | 542.6 | 549.6 | 556.0 | 557.3 | 558.4 | 557.3 |
| 135° | 418.9 | 464.3 | 509.0 | 540.2 | 561.8 | 578.2 | 587.1 | 593.0 | 596.8 | 599.0 | 596.8 |
| 137.5° | 454.8 | 502.7 | 545.6 | 573.4 | 595.1 | 609.3 | 619.4 | 625.6 | 629.5 | 631.3 | 629.5 |
| 140° | 479.2 | 525.3 | 567.0 | 596.0 | 615.4 | 629.5 | 638.4 | 645.9 | 650.3 | 650.3 | 650.3 |
| 142.5° | 502.4 | 548.0 | 588.4 | 617.5 | 634.4 | 647.4 | 656.9 | 662.5 | 667.6 | 667.6 | 667.6 |
| 145° | 535.0 | 580.4 | 617.6 | 646.6 | 660.8 | 672.7 | 683.1 | 687.5 | 690.5 | 690.5 | 690.5 |
| 147.5° | 569.1 | 609.3 | 643.2 | 671.0 | 682.9 | 696.9 | 705.1 | 708.7 | 712.4 | 710.8 | 712.4 |
| 150° | 589.3 | 626.5 | 659.3 | 685.3 | 697.2 | 710.6 | 718.8 | 721.8 | 725.5 | 723.3 | 725.5 |
| 152.5° | 609.0 | 644.4 | 674.2 | 698.4 | 708.5 | 721.9 | 731.3 | 734.3 | 736.8 | 735.2 | 736.8 |
| 155° | 635.5 | 666.7 | 694.2 | 716.6 | 725.5 | 738.1 | 747.1 | 750.8 | 753.8 | 750.0 | 753.8 |
| 157.5° | 659.1 | 686.1 | 710.0 | 730.6 | 740.1 | 750.9 | 759.3 | 763.9 | 766.9 | 765.2 | 766.9 |
| 160° | 673.4 | 698.0 | 719.5 | 738.9 | 747.8 | 757.5 | 766.4 | 771.6 | 774.6 | 772.4 | 774.6 |
| 162.5° | 685.3 | 707.5 | 727.9 | 745.4 | 753.2 | 761.7 | 772.4 | 777.0 | 780.0 | 777.1 | 780.0 |
| 165° | 702.4 | 720.3 | 738.1 | 753.0 | 759.7 | 766.4 | 777.6 | 782.8 | 785.0 | 782.0 | 785.0 |
| 167.5° | 715.4 | 729.1 | 743.5 | 756.3 | 761.2 | 767.8 | 778.9 | 783.2 | 786.1 | 782.3 | 786.1 |
| 170° | 722.5 | 734.4 | 747.1 | 757.5 | 761.2 | 767.2 | 778.3 | 782.0 | 784.3 | 780.6 | 784.3 |
| 172.5° | 728.5 | 737.4 | 747.7 | 756.9 | 758.8 | 763.6 | 774.2 | 777.9 | 779.5 | 776.4 | 779.5 |
| 175° | 734.4 | 739.6 | 747.1 | 753.0 | 752.3 | 755.3 | 764.2 | 767.2 | 770.1 | 765.7 | 770.1 |
| 177.5° | 737.3 | 739.6 | 742.0 | 745.6 | 743.2 | 743.2 | 749.8 | 751.5 | 752.1 | 749.8 | 752.1 |
| 180° | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 |



TEST NUMBER: P1428390

CATALOG NUMBER: SQ2W-PW1-K-050U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2869.7 | 2869.7 | 2869.7 | 2869.7 | 2869.7 | 2869.7 | 2869.7 | 2869.7 | 2869.7 | 2869.7 | 2869.7 |
| 2.5° | 2866.0 | 2864.6 | 2863.6 | 2868.5 | 2879.2 | 2883.1 | 2866.5 | 2850.0 | 2866.5 | 2883.1 | 2879.2 |
| 5° | 2867.0 | 2863.3 | 2862.1 | 2867.0 | 2877.9 | 2880.9 | 2860.3 | 2839.6 | 2860.3 | 2880.9 | 2877.9 |
| 7.5° | 2865.8 | 2860.0 | 2855.9 | 2858.0 | 2866.2 | 2867.2 | 2846.3 | 2825.4 | 2846.3 | 2867.2 | 2866.2 |
| 10° | 2861.2 | 2854.2 | 2848.1 | 2848.7 | 2856.0 | 2856.0 | 2834.2 | 2812.3 | 2834.2 | 2856.0 | 2856.0 |
| 12.5° | 2852.4 | 2844.7 | 2837.7 | 2836.8 | 2842.2 | 2840.5 | 2817.6 | 2794.8 | 2817.6 | 2840.5 | 2842.2 |
| 15° | 2830.2 | 2822.3 | 2813.8 | 2810.2 | 2811.4 | 2806.2 | 2781.9 | 2757.6 | 2781.9 | 2806.2 | 2811.4 |
| 17.5° | 2770.9 | 2768.6 | 2766.4 | 2766.1 | 2767.8 | 2763.0 | 2738.7 | 2714.5 | 2738.7 | 2763.0 | 2767.8 |
| 20° | 2711.2 | 2717.6 | 2726.1 | 2732.1 | 2735.8 | 2732.4 | 2708.1 | 2683.8 | 2708.1 | 2732.4 | 2735.8 |
| 22.5° | 2626.1 | 2645.4 | 2668.5 | 2684.3 | 2692.8 | 2692.6 | 2666.4 | 2640.1 | 2666.4 | 2692.6 | 2692.8 |
| 25° | 2466.1 | 2506.2 | 2553.6 | 2589.4 | 2613.7 | 2625.5 | 2600.0 | 2574.5 | 2600.0 | 2625.5 | 2613.7 |
| 27.5° | 2278.5 | 2335.3 | 2402.6 | 2460.3 | 2508.4 | 2539.3 | 2518.6 | 2498.0 | 2518.6 | 2539.3 | 2508.4 |
| 30° | 2147.6 | 2209.2 | 2283.3 | 2355.6 | 2426.0 | 2474.9 | 2459.1 | 2443.3 | 2459.1 | 2474.9 | 2426.0 |
| 32.5° | 2022.4 | 2086.8 | 2163.8 | 2246.3 | 2334.2 | 2398.6 | 2392.6 | 2386.5 | 2392.6 | 2398.6 | 2334.2 |
| 35° | 1839.0 | 1903.1 | 1980.8 | 2075.0 | 2185.5 | 2271.2 | 2282.1 | 2293.0 | 2282.1 | 2271.2 | 2185.5 |
| 37.5° | 1654.8 | 1722.2 | 1803.6 | 1903.2 | 2021.0 | 2117.5 | 2150.1 | 2182.6 | 2150.1 | 2117.5 | 2021.0 |
| 40° | 1532.3 | 1599.7 | 1681.1 | 1783.2 | 1905.8 | 2009.4 | 2055.5 | 2101.7 | 2055.5 | 2009.4 | 1905.8 |
| 42.5° | 1416.2 | 1483.9 | 1565.2 | 1667.3 | 1790.0 | 1896.4 | 1954.2 | 2012.1 | 1954.2 | 1896.4 | 1790.0 |
| 45° | 1245.4 | 1310.9 | 1389.9 | 1491.9 | 1617.0 | 1727.9 | 1795.9 | 1863.9 | 1795.9 | 1727.9 | 1617.0 |
| 47.5° | 1086.7 | 1149.5 | 1226.0 | 1326.7 | 1451.6 | 1562.1 | 1629.7 | 1697.2 | 1629.7 | 1562.1 | 1451.6 |
| 50° | 982.7 | 1046.8 | 1123.3 | 1221.1 | 1340.1 | 1445.8 | 1511.4 | 1577.0 | 1511.4 | 1445.8 | 1340.1 |
| 52.5° | 875.3 | 943.3 | 1021.7 | 1119.0 | 1235.2 | 1336.9 | 1395.7 | 1454.5 | 1395.7 | 1336.9 | 1235.2 |
| 55° | 713.6 | 784.4 | 871.8 | 970.2 | 1079.6 | 1175.5 | 1231.4 | 1287.3 | 1231.4 | 1175.5 | 1079.6 |
| 57.5° | 600.8 | 664.7 | 744.1 | 833.3 | 932.1 | 1018.4 | 1066.7 | 1115.1 | 1066.7 | 1018.4 | 932.1 |
| 60° | 539.6 | 594.0 | 660.8 | 742.2 | 838.1 | 920.7 | 963.2 | 1005.8 | 963.2 | 920.7 | 838.1 |
| 62.5° | 483.5 | 526.9 | 580.1 | 653.3 | 746.3 | 825.5 | 863.2 | 900.8 | 863.2 | 825.5 | 746.3 |
| 65° | 404.2 | 440.0 | 483.7 | 544.5 | 622.2 | 687.5 | 715.4 | 743.4 | 715.4 | 687.5 | 622.2 |
| 67.5° | 332.0 | 362.8 | 401.1 | 450.3 | 510.3 | 559.2 | 574.8 | 590.3 | 574.8 | 559.2 | 510.3 |
| 70° | 290.9 | 316.1 | 347.7 | 389.6 | 441.8 | 482.2 | 487.1 | 491.9 | 487.1 | 482.2 | 441.8 |
| 72.5° | 252.0 | 271.7 | 296.4 | 331.5 | 377.0 | 410.6 | 408.6 | 406.7 | 408.6 | 410.6 | 377.0 |
| 75° | 198.9 | 212.3 | 229.3 | 254.2 | 287.0 | 309.1 | 299.4 | 289.7 | 299.4 | 309.1 | 287.0 |
| 77.5° | 147.1 | 157.1 | 169.7 | 188.0 | 212.1 | 226.5 | 211.9 | 197.3 | 211.9 | 226.5 | 212.1 |
| 80° | 114.8 | 122.1 | 131.8 | 145.8 | 164.0 | 174.0 | 159.4 | 144.9 | 159.4 | 174.0 | 164.0 |
| 82.5° | 86.4 | 90.0 | 94.9 | 104.0 | 117.3 | 124.4 | 112.8 | 101.1 | 112.8 | 124.4 | 117.3 |
| 85° | 35.2 | 41.0 | 48.3 | 54.4 | 59.2 | 61.3 | 55.3 | 49.2 | 55.3 | 61.3 | 59.2 |
| 87.5° | 9.7 | 10.3 | 11.2 | 14.0 | 18.4 | 20.7 | 17.1 | 13.6 | 17.1 | 20.6 | 18.7 |
| 90° | 15.6 | 14.9 | 14.9 | 14.1 | 11.9 | 8.9 | 5.2 | 2.2 | 5.2 | 8.2 | 13.4 |
| 92.5° | 18.6 | 18.5 | 17.3 | 15.9 | 13.1 | 13.1 | 12.9 | 8.2 | 14.1 | 20.1 | 28.9 |
| 95° | 17.1 | 17.1 | 20.1 | 25.3 | 37.2 | 37.9 | 25.3 | 23.1 | 32.7 | 46.1 | 58.0 |
| 97.5° | 46.3 | 55.1 | 67.6 | 69.9 | 66.2 | 49.4 | 47.3 | 44.1 | 60.0 | 73.2 | 92.4 |
| 100° | 85.6 | 96.7 | 105.7 | 87.8 | 69.2 | 68.5 | 64.0 | 62.5 | 79.6 | 92.3 | 110.9 |
| 102.5° | 133.8 | 137.2 | 106.3 | 96.1 | 91.8 | 88.7 | 81.9 | 81.0 | 98.1 | 115.5 | 131.1 |
| 105° | 145.1 | 130.2 | 131.0 | 131.0 | 128.0 | 122.0 | 109.4 | 108.6 | 128.0 | 148.1 | 167.4 |
| 107.5° | 170.7 | 172.9 | 176.8 | 175.9 | 172.5 | 156.6 | 141.7 | 138.3 | 155.7 | 179.8 | 201.1 |
| 110° | 204.6 | 206.9 | 208.3 | 206.9 | 201.7 | 181.6 | 163.7 | 158.5 | 174.1 | 199.4 | 222.5 |



TEST NUMBER: P1428390

CATALOG NUMBER: SQ2W-PW1-K-050U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 237.4 | 239.0 | 242.3 | 237.8 | 229.0 | 206.0 | 185.7 | 178.1 | 193.8 | 219.7 | 243.3 |
| 115° | 289.5 | 289.5 | 290.2 | 288.0 | 270.1 | 246.3 | 219.5 | 208.3 | 221.7 | 245.6 | 271.6 |
| 117.5° | 340.6 | 341.5 | 338.6 | 332.6 | 311.9 | 284.2 | 254.2 | 236.3 | 246.9 | 272.0 | 298.8 |
| 120° | 372.8 | 374.3 | 371.3 | 362.4 | 342.3 | 311.0 | 276.8 | 256.0 | 264.2 | 288.7 | 315.5 |
| 122.5° | 406.1 | 405.8 | 402.3 | 392.1 | 368.5 | 336.0 | 302.4 | 276.8 | 280.2 | 303.0 | 329.2 |
| 125° | 452.4 | 451.7 | 448.7 | 436.8 | 412.2 | 378.7 | 339.3 | 308.1 | 303.6 | 322.9 | 349.7 |
| 127.5° | 496.5 | 494.8 | 490.2 | 475.8 | 450.6 | 418.3 | 375.0 | 339.6 | 329.6 | 341.8 | 366.4 |
| 130° | 526.8 | 524.6 | 516.4 | 500.8 | 476.2 | 445.7 | 401.8 | 361.6 | 347.5 | 354.9 | 376.5 |
| 132.5° | 556.0 | 549.6 | 542.6 | 525.8 | 503.0 | 471.3 | 426.8 | 384.8 | 365.4 | 368.6 | 385.4 |
| 135° | 593.0 | 587.1 | 578.2 | 561.8 | 540.2 | 509.0 | 464.3 | 418.9 | 392.1 | 389.2 | 398.8 |
| 137.5° | 625.6 | 619.4 | 609.3 | 595.1 | 573.4 | 545.6 | 502.7 | 454.8 | 421.0 | 411.0 | 414.8 |
| 140° | 645.9 | 638.4 | 629.5 | 615.4 | 596.0 | 567.0 | 525.3 | 479.2 | 441.2 | 427.1 | 424.9 |
| 142.5° | 662.5 | 656.9 | 647.4 | 634.4 | 617.5 | 588.4 | 548.0 | 502.4 | 462.1 | 443.8 | 438.6 |
| 145° | 687.5 | 683.1 | 672.7 | 660.8 | 646.6 | 617.6 | 580.4 | 535.0 | 494.8 | 471.0 | 459.9 |
| 147.5° | 708.7 | 705.1 | 696.9 | 682.9 | 671.0 | 643.2 | 609.3 | 569.1 | 527.9 | 498.4 | 484.0 |
| 150° | 721.8 | 718.8 | 710.6 | 697.2 | 685.3 | 659.3 | 626.5 | 589.3 | 549.9 | 518.6 | 500.0 |
| 152.5° | 734.3 | 731.3 | 721.9 | 708.5 | 698.4 | 674.2 | 644.4 | 609.0 | 568.9 | 537.7 | 518.5 |
| 155° | 750.8 | 747.1 | 738.1 | 725.5 | 716.6 | 694.2 | 666.7 | 635.5 | 601.2 | 568.5 | 546.9 |
| 157.5° | 763.9 | 759.3 | 750.9 | 740.1 | 730.6 | 710.0 | 686.1 | 659.1 | 629.2 | 598.0 | 575.9 |
| 160° | 771.6 | 766.4 | 757.5 | 747.8 | 738.9 | 719.5 | 698.0 | 673.4 | 645.9 | 617.6 | 593.8 |
| 162.5° | 777.0 | 772.4 | 761.7 | 753.2 | 745.4 | 727.9 | 707.5 | 685.3 | 660.8 | 636.1 | 614.0 |
| 165° | 782.8 | 777.6 | 766.4 | 759.7 | 753.0 | 738.1 | 720.3 | 702.4 | 681.6 | 661.5 | 643.6 |
| 167.5° | 783.2 | 778.9 | 767.8 | 761.2 | 756.3 | 743.5 | 729.1 | 715.4 | 699.2 | 683.4 | 668.5 |
| 170° | 782.0 | 778.3 | 767.2 | 761.2 | 757.5 | 747.1 | 734.4 | 722.5 | 709.9 | 696.5 | 684.6 |
| 172.5° | 777.9 | 774.2 | 763.6 | 758.8 | 756.9 | 747.7 | 737.4 | 728.5 | 717.6 | 707.8 | 698.3 |
| 175° | 767.2 | 764.2 | 755.3 | 752.3 | 753.0 | 747.1 | 739.6 | 734.4 | 727.7 | 721.8 | 716.6 |
| 177.5° | 751.5 | 749.8 | 743.2 | 743.2 | 745.6 | 742.0 | 739.6 | 737.3 | 734.3 | 732.5 | 730.7 |
| 180° | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 |



TEST NUMBER: P1428390

CATALOG NUMBER: SQ2W-PW1-K-050U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2869.7 | 2869.7 | 2869.7 | 2869.7 | 2869.7 | 2869.7 | 2869.7 | 2869.7 | 2869.7 | 2869.7 | 2869.7 |
| 2.5° | 2868.5 | 2863.6 | 2864.6 | 2866.0 | 2869.0 | 2871.9 | 2869.0 | 2866.0 | 2864.6 | 2863.6 | 2868.5 |
| 5° | 2867.0 | 2862.1 | 2863.3 | 2867.0 | 2877.9 | 2888.8 | 2877.9 | 2867.0 | 2863.3 | 2862.1 | 2867.0 |
| 7.5° | 2858.0 | 2855.9 | 2860.0 | 2865.8 | 2876.5 | 2887.2 | 2876.5 | 2865.8 | 2860.0 | 2855.9 | 2858.0 |
| 10° | 2848.7 | 2848.1 | 2854.2 | 2861.2 | 2870.9 | 2880.6 | 2870.9 | 2861.2 | 2854.2 | 2848.1 | 2848.7 |
| 12.5° | 2836.8 | 2837.7 | 2844.7 | 2852.4 | 2862.2 | 2871.9 | 2862.2 | 2852.4 | 2844.7 | 2837.7 | 2836.8 |
| 15° | 2810.2 | 2813.8 | 2822.3 | 2830.2 | 2836.3 | 2842.4 | 2836.3 | 2830.2 | 2822.3 | 2813.8 | 2810.2 |
| 17.5° | 2766.1 | 2766.4 | 2768.6 | 2770.9 | 2773.9 | 2776.8 | 2773.9 | 2770.9 | 2768.6 | 2766.4 | 2766.1 |
| 20° | 2732.1 | 2726.1 | 2717.6 | 2711.2 | 2711.2 | 2711.2 | 2711.2 | 2711.2 | 2717.6 | 2726.1 | 2732.1 |
| 22.5° | 2684.3 | 2668.5 | 2645.4 | 2626.1 | 2618.4 | 2610.6 | 2618.4 | 2626.1 | 2645.4 | 2668.5 | 2684.3 |
| 25° | 2589.4 | 2553.6 | 2506.2 | 2466.1 | 2447.9 | 2429.7 | 2447.9 | 2466.1 | 2506.2 | 2553.6 | 2589.4 |
| 27.5° | 2460.3 | 2402.6 | 2335.3 | 2278.5 | 2253.2 | 2228.0 | 2253.2 | 2278.5 | 2335.3 | 2402.6 | 2460.3 |
| 30° | 2355.6 | 2283.3 | 2209.2 | 2147.6 | 2123.3 | 2099.0 | 2123.3 | 2147.6 | 2209.2 | 2283.3 | 2355.6 |
| 32.5° | 2246.3 | 2163.8 | 2086.8 | 2022.4 | 1996.2 | 1970.0 | 1996.2 | 2022.4 | 2086.8 | 2163.8 | 2246.3 |
| 35° | 2075.0 | 1980.8 | 1903.1 | 1839.0 | 1816.0 | 1792.9 | 1816.0 | 1839.0 | 1903.1 | 1980.8 | 2075.0 |
| 37.5° | 1903.2 | 1803.6 | 1722.2 | 1654.8 | 1629.3 | 1603.7 | 1629.3 | 1654.8 | 1722.2 | 1803.6 | 1903.2 |
| 40° | 1783.2 | 1681.1 | 1599.7 | 1532.3 | 1506.8 | 1481.3 | 1506.8 | 1532.3 | 1599.7 | 1681.1 | 1783.2 |
| 42.5° | 1667.3 | 1565.2 | 1483.9 | 1416.2 | 1389.7 | 1363.2 | 1389.7 | 1416.2 | 1483.9 | 1565.2 | 1667.3 |
| 45° | 1491.9 | 1389.9 | 1310.9 | 1245.4 | 1219.8 | 1194.3 | 1219.8 | 1245.4 | 1310.9 | 1389.9 | 1491.9 |
| 47.5° | 1326.7 | 1226.0 | 1149.5 | 1086.7 | 1064.8 | 1042.9 | 1064.8 | 1086.7 | 1149.5 | 1226.0 | 1326.7 |
| 50° | 1221.1 | 1123.3 | 1046.8 | 982.7 | 956.0 | 929.2 | 956.0 | 982.7 | 1046.8 | 1123.3 | 1221.1 |
| 52.5° | 1119.0 | 1021.7 | 943.3 | 875.3 | 838.9 | 802.4 | 838.9 | 875.3 | 943.3 | 1021.7 | 1119.0 |
| 55° | 970.2 | 871.8 | 784.4 | 713.6 | 693.0 | 672.3 | 693.0 | 713.6 | 784.4 | 871.8 | 970.2 |
| 57.5° | 833.3 | 744.1 | 664.7 | 600.8 | 583.8 | 566.8 | 583.8 | 600.8 | 664.7 | 744.1 | 833.3 |
| 60° | 742.2 | 660.8 | 594.0 | 539.6 | 522.6 | 505.6 | 522.6 | 539.6 | 594.0 | 660.8 | 742.2 |
| 62.5° | 653.3 | 580.1 | 526.9 | 483.5 | 469.4 | 455.3 | 469.4 | 483.5 | 526.9 | 580.1 | 653.3 |
| 65° | 544.5 | 483.7 | 440.0 | 404.2 | 392.0 | 379.9 | 392.0 | 404.2 | 440.0 | 483.7 | 544.5 |
| 67.5° | 450.3 | 401.1 | 362.8 | 332.0 | 324.0 | 315.9 | 324.0 | 332.0 | 362.8 | 401.1 | 450.3 |
| 70° | 389.6 | 347.7 | 316.1 | 290.9 | 284.8 | 278.8 | 284.8 | 290.9 | 316.1 | 347.7 | 389.6 |
| 72.5° | 331.5 | 296.4 | 271.7 | 252.0 | 247.9 | 243.8 | 247.9 | 252.0 | 271.7 | 296.4 | 331.5 |
| 75° | 254.2 | 229.3 | 212.3 | 198.9 | 196.5 | 194.0 | 196.5 | 198.9 | 212.3 | 229.3 | 254.2 |
| 77.5° | 188.0 | 169.7 | 157.1 | 147.1 | 145.2 | 143.2 | 145.2 | 147.1 | 157.1 | 169.7 | 188.0 |
| 80° | 145.8 | 131.8 | 122.1 | 114.8 | 114.8 | 114.8 | 114.8 | 114.8 | 122.1 | 131.8 | 145.8 |
| 82.5° | 104.0 | 94.9 | 90.0 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 90.0 | 94.9 | 104.0 |
| 85° | 54.4 | 48.3 | 41.0 | 35.2 | 34.0 | 32.8 | 34.0 | 35.2 | 41.0 | 48.3 | 54.4 |
| 87.5° | 14.6 | 12.7 | 12.8 | 12.7 | 13.3 | 13.0 | 13.3 | 12.7 | 12.8 | 12.7 | 14.6 |
| 90° | 17.1 | 22.3 | 27.5 | 30.5 | 33.5 | 32.0 | 33.5 | 30.5 | 27.5 | 22.3 | 17.1 |
| 92.5° | 34.4 | 43.2 | 49.6 | 54.9 | 57.3 | 57.0 | 57.3 | 54.9 | 49.6 | 43.2 | 34.4 |
| 95° | 69.2 | 79.6 | 90.0 | 97.5 | 101.9 | 100.5 | 101.9 | 97.5 | 90.0 | 79.6 | 69.2 |
| 97.5° | 106.7 | 120.7 | 132.3 | 139.3 | 143.8 | 146.7 | 143.8 | 139.3 | 132.3 | 120.7 | 106.7 |
| 100° | 131.7 | 145.1 | 158.5 | 166.7 | 174.1 | 177.1 | 174.1 | 166.7 | 158.5 | 145.1 | 131.7 |
| 102.5° | 151.9 | 169.5 | 184.1 | 192.9 | 199.1 | 202.1 | 199.1 | 192.9 | 184.1 | 169.5 | 151.9 |
| 105° | 185.3 | 203.9 | 219.5 | 230.7 | 237.4 | 239.6 | 237.4 | 230.7 | 219.5 | 203.9 | 185.3 |
| 107.5° | 218.6 | 237.8 | 252.2 | 264.6 | 272.8 | 277.5 | 272.8 | 264.6 | 252.2 | 237.8 | 218.6 |
| 110° | 244.8 | 260.4 | 276.1 | 287.2 | 295.4 | 298.4 | 295.4 | 287.2 | 276.1 | 260.4 | 244.8 |



TEST NUMBER: P1428390

CATALOG NUMBER: SQ2W-PW1-K-050U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 266.8 | 284.2 | 299.9 | 311.0 | 320.4 | 324.6 | 320.4 | 311.0 | 299.9 | 284.2 | 266.8 |
| 115° | 297.6 | 320.7 | 334.8 | 345.3 | 352.0 | 355.7 | 352.0 | 345.3 | 334.8 | 320.7 | 297.6 |
| 117.5° | 323.2 | 347.3 | 362.8 | 370.9 | 374.0 | 376.7 | 374.0 | 370.9 | 362.8 | 347.3 | 323.2 |
| 120° | 339.3 | 361.6 | 379.5 | 389.9 | 393.6 | 395.1 | 393.6 | 389.9 | 379.5 | 361.6 | 339.3 |
| 122.5° | 354.2 | 375.3 | 392.6 | 405.4 | 411.5 | 413.0 | 411.5 | 405.4 | 392.6 | 375.3 | 354.2 |
| 125° | 375.0 | 395.1 | 413.0 | 425.6 | 432.3 | 436.0 | 432.3 | 425.6 | 413.0 | 395.1 | 375.0 |
| 127.5° | 393.2 | 414.9 | 431.3 | 442.7 | 449.3 | 452.3 | 449.3 | 442.7 | 431.3 | 414.9 | 393.2 |
| 130° | 403.3 | 425.6 | 442.0 | 454.6 | 460.6 | 463.6 | 460.6 | 454.6 | 442.0 | 425.6 | 403.3 |
| 132.5° | 411.0 | 434.6 | 451.5 | 463.0 | 469.5 | 472.5 | 469.5 | 463.0 | 451.5 | 434.6 | 411.0 |
| 135° | 420.4 | 445.0 | 462.8 | 474.0 | 479.9 | 482.9 | 479.9 | 474.0 | 462.8 | 445.0 | 420.4 |
| 137.5° | 428.6 | 450.9 | 469.5 | 481.3 | 486.6 | 488.6 | 486.6 | 481.3 | 469.5 | 450.9 | 428.6 |
| 140° | 434.6 | 453.9 | 472.5 | 483.7 | 489.6 | 490.4 | 489.6 | 483.7 | 472.5 | 453.9 | 434.6 |
| 142.5° | 442.3 | 457.5 | 473.7 | 484.9 | 490.8 | 492.1 | 490.8 | 484.9 | 473.7 | 457.5 | 442.3 |
| 145° | 456.1 | 465.1 | 476.2 | 486.6 | 491.8 | 493.3 | 491.8 | 486.6 | 476.2 | 465.1 | 456.1 |
| 147.5° | 473.5 | 476.4 | 482.2 | 489.0 | 494.1 | 495.1 | 494.1 | 489.0 | 482.2 | 476.4 | 473.5 |
| 150° | 486.6 | 485.9 | 488.1 | 492.6 | 497.1 | 496.3 | 497.1 | 492.6 | 488.1 | 485.9 | 486.6 |
| 152.5° | 501.5 | 497.2 | 497.1 | 499.1 | 501.2 | 501.1 | 501.2 | 499.1 | 497.1 | 497.2 | 501.5 |
| 155° | 526.8 | 518.6 | 514.2 | 512.7 | 512.7 | 511.9 | 512.7 | 512.7 | 514.2 | 518.6 | 526.8 |
| 157.5° | 554.6 | 543.2 | 536.5 | 532.9 | 531.9 | 530.2 | 531.9 | 532.9 | 536.5 | 543.2 | 554.6 |
| 160° | 573.7 | 561.0 | 554.4 | 548.4 | 546.2 | 543.9 | 546.2 | 548.4 | 554.4 | 561.0 | 573.7 |
| 162.5° | 591.6 | 579.5 | 572.2 | 566.9 | 564.6 | 561.2 | 564.6 | 566.9 | 572.2 | 579.5 | 591.6 |
| 165° | 620.6 | 607.9 | 599.7 | 595.3 | 592.3 | 589.3 | 592.3 | 595.3 | 599.7 | 607.9 | 620.6 |
| 167.5° | 649.6 | 635.8 | 630.4 | 625.3 | 622.5 | 617.2 | 622.5 | 625.3 | 630.4 | 635.8 | 649.6 |
| 170° | 667.5 | 654.8 | 651.8 | 647.4 | 642.2 | 636.2 | 642.2 | 647.4 | 651.8 | 654.8 | 667.5 |
| 172.5° | 682.9 | 674.4 | 671.5 | 667.0 | 665.4 | 660.6 | 665.4 | 667.0 | 671.5 | 674.4 | 682.9 |
| 175° | 705.4 | 698.7 | 698.7 | 698.0 | 695.7 | 691.3 | 695.7 | 698.0 | 698.7 | 698.7 | 705.4 |
| 177.5° | 724.2 | 720.6 | 723.0 | 723.0 | 722.4 | 718.2 | 722.4 | 723.0 | 723.0 | 720.6 | 724.2 |
| 180° | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 |



TEST NUMBER: P1428390

CATALOG NUMBER: SQ2W-PW1-K-050U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|
| 0° | 2869.7 | 2869.7 | 2869.7 | 2869.7 |
| 2.5° | 2879.2 | 2883.1 | 2866.5 | 2850.0 |
| 5° | 2877.9 | 2880.9 | 2860.3 | 2839.6 |
| 7.5° | 2866.2 | 2867.2 | 2846.3 | 2825.4 |
| 10° | 2856.0 | 2856.0 | 2834.2 | 2812.3 |
| 12.5° | 2842.2 | 2840.5 | 2817.6 | 2794.8 |
| 15° | 2811.4 | 2806.2 | 2781.9 | 2757.6 |
| 17.5° | 2767.8 | 2763.0 | 2738.7 | 2714.5 |
| 20° | 2735.8 | 2732.4 | 2708.1 | 2683.8 |
| 22.5° | 2692.8 | 2692.6 | 2666.4 | 2640.1 |
| 25° | 2613.7 | 2625.5 | 2600.0 | 2574.5 |
| 27.5° | 2508.4 | 2539.3 | 2518.6 | 2498.0 |
| 30° | 2426.0 | 2474.9 | 2459.1 | 2443.3 |
| 32.5° | 2334.2 | 2398.6 | 2392.6 | 2386.5 |
| 35° | 2185.5 | 2271.2 | 2282.1 | 2293.0 |
| 37.5° | 2021.0 | 2117.5 | 2150.1 | 2182.6 |
| 40° | 1905.8 | 2009.4 | 2055.5 | 2101.7 |
| 42.5° | 1790.0 | 1896.4 | 1954.2 | 2012.1 |
| 45° | 1617.0 | 1727.9 | 1795.9 | 1863.9 |
| 47.5° | 1451.6 | 1562.1 | 1629.7 | 1697.2 |
| 50° | 1340.1 | 1445.8 | 1511.4 | 1577.0 |
| 52.5° | 1235.2 | 1336.9 | 1395.7 | 1454.5 |
| 55° | 1079.6 | 1175.5 | 1231.4 | 1287.3 |
| 57.5° | 932.1 | 1018.4 | 1066.7 | 1115.1 |
| 60° | 838.1 | 920.7 | 963.2 | 1005.8 |
| 62.5° | 746.3 | 825.5 | 863.2 | 900.8 |
| 65° | 622.2 | 687.5 | 715.4 | 743.4 |
| 67.5° | 510.3 | 559.2 | 574.8 | 590.3 |
| 70° | 441.8 | 482.2 | 487.1 | 491.9 |
| 72.5° | 377.0 | 410.6 | 408.6 | 406.7 |
| 75° | 287.0 | 309.1 | 299.4 | 289.7 |
| 77.5° | 212.1 | 226.5 | 211.9 | 197.3 |
| 80° | 164.0 | 174.0 | 159.4 | 144.9 |
| 82.5° | 117.3 | 124.4 | 112.8 | 101.1 |
| 85° | 59.2 | 61.3 | 55.3 | 49.2 |
| 87.5° | 18.7 | 20.6 | 17.1 | 13.6 |
| 90° | 13.4 | 8.2 | 5.2 | 2.2 |
| 92.5° | 28.9 | 20.1 | 14.1 | 8.2 |
| 95° | 58.0 | 46.1 | 32.7 | 23.1 |
| 97.5° | 92.4 | 73.2 | 60.0 | 44.1 |
| 100° | 110.9 | 92.3 | 79.6 | 62.5 |
| 102.5° | 131.1 | 115.5 | 98.1 | 81.0 |
| 105° | 167.4 | 148.1 | 128.0 | 108.6 |
| 107.5° | 201.1 | 179.8 | 155.7 | 138.3 |
| 110° | 222.5 | 199.4 | 174.1 | 158.5 |



TEST NUMBER: P1428390

CATALOG NUMBER: SQ2W-PW1-K-050U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|-------|-------|-------|-------|
| 112.5° | 243.3 | 219.7 | 193.8 | 178.1 |
| 115° | 271.6 | 245.6 | 221.7 | 208.3 |
| 117.5° | 298.8 | 272.0 | 246.9 | 236.3 |
| 120° | 315.5 | 288.7 | 264.2 | 256.0 |
| 122.5° | 329.2 | 303.0 | 280.2 | 276.8 |
| 125° | 349.7 | 322.9 | 303.6 | 308.1 |
| 127.5° | 366.4 | 341.8 | 329.6 | 339.6 |
| 130° | 376.5 | 354.9 | 347.5 | 361.6 |
| 132.5° | 385.4 | 368.6 | 365.4 | 384.8 |
| 135° | 398.8 | 389.2 | 392.1 | 418.9 |
| 137.5° | 414.8 | 411.0 | 421.0 | 454.8 |
| 140° | 424.9 | 427.1 | 441.2 | 479.2 |
| 142.5° | 438.6 | 443.8 | 462.1 | 502.4 |
| 145° | 459.9 | 471.0 | 494.8 | 535.0 |
| 147.5° | 484.0 | 498.4 | 527.9 | 569.1 |
| 150° | 500.0 | 518.6 | 549.9 | 589.3 |
| 152.5° | 518.5 | 537.7 | 568.9 | 609.0 |
| 155° | 546.9 | 568.5 | 601.2 | 635.5 |
| 157.5° | 575.9 | 598.0 | 629.2 | 659.1 |
| 160° | 593.8 | 617.6 | 645.9 | 673.4 |
| 162.5° | 614.0 | 636.1 | 660.8 | 685.3 |
| 165° | 643.6 | 661.5 | 681.6 | 702.4 |
| 167.5° | 668.5 | 683.4 | 699.2 | 715.4 |
| 170° | 684.6 | 696.5 | 709.9 | 722.5 |
| 172.5° | 698.3 | 707.8 | 717.6 | 728.5 |
| 175° | 716.6 | 721.8 | 727.7 | 734.4 |
| 177.5° | 730.7 | 732.5 | 734.3 | 737.3 |
| 180° | 736.7 | 736.7 | 736.7 | 736.7 |



TEST NUMBER: P1428390
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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 | 22.31 | 23.38 | 23.03 | 24.11 | 24.98 | 18.55 | 19.63 | 19.27 | 20.36 | 21.23 |
| | 3H | 23.62 | 24.58 | 24.36 | 25.33 | 26.23 | 19.84 | 20.80 | 20.57 | 21.54 | 22.45 |
| | 4H | 24.04 | 24.95 | 24.80 | 25.70 | 26.61 | 20.36 | 21.26 | 21.11 | 22.01 | 22.93 |
| | 6H | 24.23 | 25.06 | 25.00 | 25.83 | 26.76 | 20.68 | 21.51 | 21.44 | 22.27 | 23.20 |
| | 8H | 24.28 | 25.07 | 25.06 | 25.85 | 26.78 | 20.80 | 21.59 | 21.57 | 22.37 | 23.30 |
| | 12H | 24.29 | 25.04 | 25.07 | 25.82 | 26.77 | 20.83 | 21.59 | 21.61 | 22.36 | 23.32 |
| 4H | 2H | 22.46 | 23.37 | 23.22 | 24.12 | 25.04 | 19.39 | 20.29 | 20.15 | 21.05 | 21.96 |
| | 3H | 24.02 | 24.77 | 24.79 | 25.56 | 26.49 | 20.86 | 21.60 | 21.62 | 22.39 | 23.33 |
| | 4H | 24.58 | 25.25 | 25.36 | 26.04 | 27.01 | 21.44 | 22.12 | 22.23 | 22.91 | 23.87 |
| | 6H | 24.90 | 25.48 | 25.70 | 26.30 | 27.27 | 21.84 | 22.42 | 22.64 | 23.24 | 24.21 |
| | 8H | 24.99 | 25.54 | 25.80 | 26.35 | 27.33 | 21.99 | 22.54 | 22.80 | 23.35 | 24.33 |
| | 12H | 25.03 | 25.52 | 25.85 | 26.35 | 27.33 | 22.04 | 22.53 | 22.87 | 23.37 | 24.35 |
| 8H | 4H | 24.63 | 25.18 | 25.43 | 25.99 | 26.97 | 21.80 | 22.35 | 22.61 | 23.16 | 24.14 |
| | 6H | 25.06 | 25.51 | 25.89 | 26.36 | 27.34 | 22.30 | 22.75 | 23.13 | 23.60 | 24.59 |
| | 8H | 25.23 | 25.63 | 26.08 | 26.48 | 27.48 | 22.52 | 22.92 | 23.37 | 23.77 | 24.77 |
| | 12H | 25.32 | 25.67 | 26.16 | 26.51 | 27.57 | 22.61 | 22.97 | 23.46 | 23.81 | 24.86 |
| 12H | 4H | 24.60 | 25.09 | 25.42 | 25.92 | 26.91 | 21.83 | 22.32 | 22.65 | 23.15 | 24.14 |
| | 6H | 25.05 | 25.45 | 25.90 | 26.30 | 27.30 | 22.38 | 22.78 | 23.22 | 23.63 | 24.63 |
| | 8H | 25.25 | 25.61 | 26.10 | 26.45 | 27.50 | 22.63 | 22.98 | 23.48 | 23.82 | 24.88 |