

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1427651

Luminaire Tested: SQ2W-F-0U-050D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427651
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-F-0U-050D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT N/A - DIRECT ONLY
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

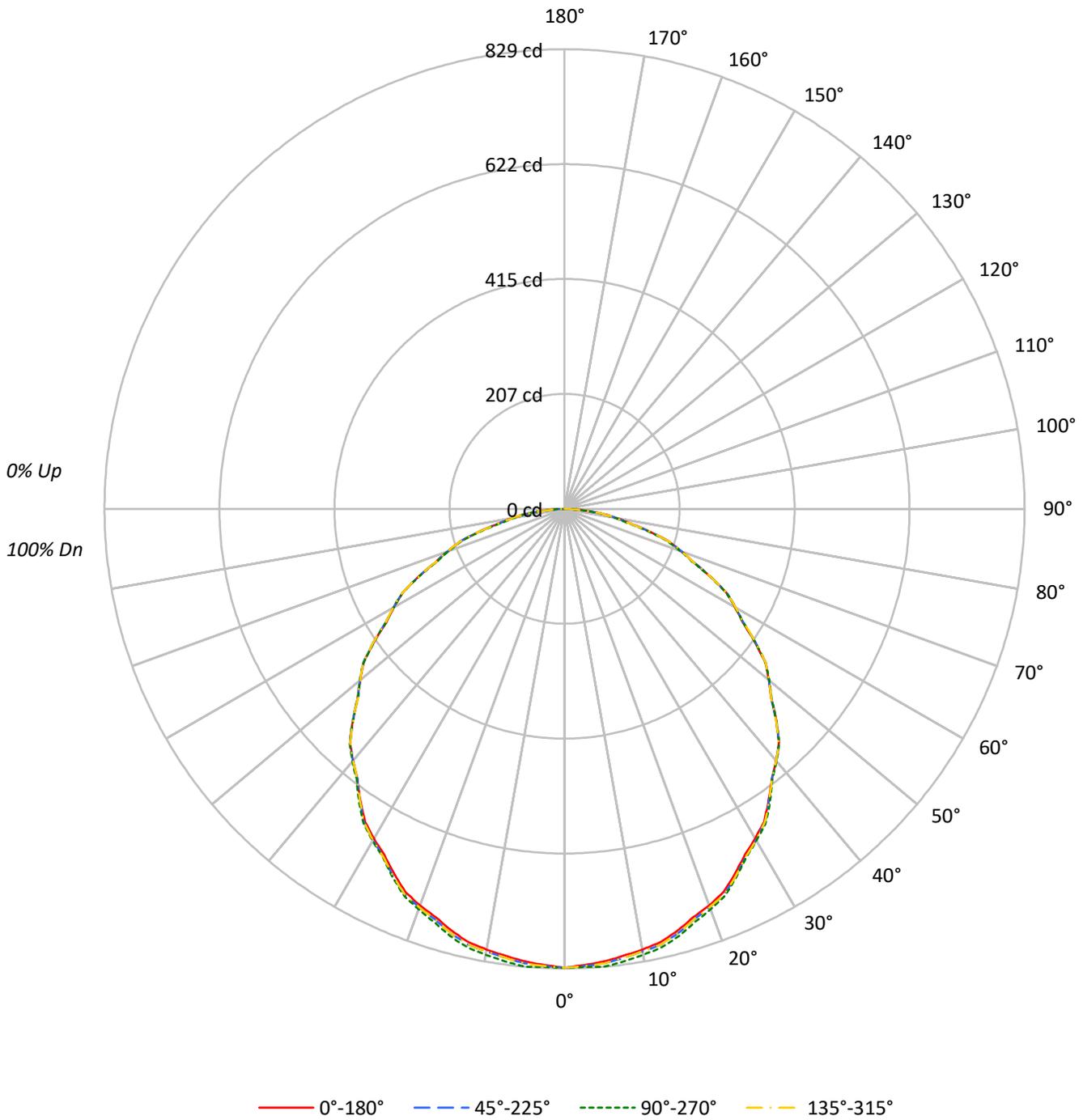
Lumens per Lamp: N/A
Luminaire Lumens: 2329.7 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 17.8
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: P1427651

CATALOG NUMBER: SQ2W-F-0U-050D-L830-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427651

CATALOG NUMBER: SQ2W-F-0U-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 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 109 | 104 | 100 | 96 | 106 | 102 | 98 | 94 | 97 | 94 | 91 | 93 | 91 | 88 | 90 | 88 | 86 | 84 |
| 2 | 99 | 90 | 84 | 78 | 96 | 89 | 82 | 77 | 85 | 80 | 75 | 82 | 77 | 73 | 79 | 75 | 72 | 70 |
| 3 | 90 | 79 | 71 | 65 | 87 | 78 | 70 | 64 | 75 | 68 | 63 | 72 | 66 | 62 | 69 | 65 | 61 | 58 |
| 4 | 82 | 70 | 61 | 55 | 80 | 69 | 61 | 54 | 66 | 59 | 54 | 64 | 58 | 53 | 62 | 57 | 52 | 50 |
| 5 | 76 | 63 | 54 | 47 | 74 | 62 | 53 | 47 | 60 | 52 | 46 | 58 | 51 | 46 | 56 | 50 | 45 | 43 |
| 6 | 70 | 56 | 47 | 41 | 68 | 56 | 47 | 41 | 54 | 46 | 40 | 52 | 45 | 40 | 50 | 44 | 40 | 38 |
| 7 | 65 | 51 | 42 | 36 | 63 | 50 | 42 | 36 | 49 | 41 | 36 | 47 | 41 | 36 | 46 | 40 | 35 | 33 |
| 8 | 60 | 47 | 38 | 32 | 59 | 46 | 38 | 32 | 45 | 37 | 32 | 43 | 37 | 32 | 42 | 36 | 32 | 30 |
| 9 | 56 | 43 | 35 | 29 | 55 | 42 | 34 | 29 | 41 | 34 | 29 | 40 | 33 | 29 | 39 | 33 | 29 | 27 |
| 10 | 53 | 40 | 32 | 26 | 52 | 39 | 31 | 26 | 38 | 31 | 26 | 37 | 31 | 26 | 36 | 30 | 26 | 24 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 13365 | 13365 | 13365 | 13365 |
| 5° | 13283 | 13434 | 13283 | 13434 |
| 10° | 13237 | 13389 | 13237 | 13389 |
| 15° | 13165 | 13330 | 13165 | 13330 |
| 20° | 13080 | 13211 | 13080 | 13211 |
| 25° | 12939 | 13055 | 12939 | 13055 |
| 30° | 12802 | 12890 | 12802 | 12890 |
| 35° | 12638 | 12719 | 12638 | 12719 |
| 40° | 12496 | 12532 | 12496 | 12532 |
| 45° | 12312 | 12312 | 12312 | 12312 |
| 50° | 12064 | 12094 | 12064 | 12094 |
| 55° | 11783 | 11797 | 11783 | 11797 |
| 60° | 11463 | 11463 | 11463 | 11463 |
| 65° | 11091 | 11045 | 11091 | 11045 |
| 70° | 10565 | 10456 | 10565 | 10456 |
| 75° | 9856 | 9638 | 9856 | 9638 |
| 80° | 8777 | 8349 | 8777 | 8349 |
| 85° | 7021 | 5947 | 7021 | 5947 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 12394 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 78.3 | 3.4 |
| 10°-20° | 223.8 | 9.6 |
| 20°-30° | 336.9 | 14.5 |
| 30°-40° | 402.8 | 17.3 |
| 40°-50° | 416.0 | 17.9 |
| 50°-60° | 375.2 | 16.1 |
| 60°-70° | 287.4 | 12.3 |
| 70°-80° | 166.1 | 7.1 |
| 80°-90° | 43.1 | 1.9 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 639.0 | 27.4 |
| 0°-40° | 1041.8 | 44.7 |
| 0°-60° | 1833.0 | 78.7 |
| 0°-90° | 2329.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2329.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|-----|-----|------|------|------|------|
| 0° | 828 | 828 | 828 | 828 | 828 | |
| 5° | 820 | 829 | 820 | 829 | 820 | 78 |
| 15° | 788 | 798 | 788 | 798 | 788 | 222 |
| 25° | 726 | 733 | 726 | 733 | 726 | 335 |
| 35° | 641 | 645 | 641 | 645 | 641 | 401 |
| 45° | 539 | 539 | 539 | 539 | 539 | 416 |
| 55° | 419 | 419 | 419 | 419 | 419 | 374 |
| 65° | 290 | 289 | 290 | 289 | 290 | 287 |
| 75° | 158 | 154 | 158 | 154 | 158 | 167 |
| 85° | 38 | 32 | 38 | 32 | 38 | 46 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1427651

CATALOG NUMBER: SQ2W-F-OU-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 827.8 | 827.8 | 827.8 | 827.8 | 827.8 | 827.8 | 827.8 | 827.8 | 827.8 | 827.8 | 827.8 |
| 2.5° | 823.6 | 827.5 | 831.5 | 829.8 | 826.3 | 824.9 | 825.8 | 826.5 | 826.9 | 827.3 | 826.9 |
| 5° | 819.6 | 824.8 | 830.0 | 828.2 | 824.0 | 822.2 | 822.7 | 823.8 | 826.4 | 828.9 | 826.4 |
| 7.5° | 813.0 | 818.2 | 823.3 | 821.7 | 817.7 | 816.1 | 816.7 | 817.8 | 820.5 | 823.2 | 820.5 |
| 10° | 807.4 | 812.6 | 817.7 | 815.9 | 811.8 | 810.2 | 811.3 | 812.6 | 814.6 | 816.7 | 814.6 |
| 12.5° | 800.4 | 805.6 | 810.7 | 809.2 | 805.5 | 804.0 | 804.6 | 805.6 | 807.9 | 810.2 | 807.9 |
| 15° | 787.6 | 792.7 | 797.9 | 796.5 | 792.9 | 791.4 | 792.2 | 793.3 | 795.4 | 797.5 | 795.4 |
| 17.5° | 772.0 | 776.9 | 781.8 | 780.5 | 777.1 | 775.9 | 776.8 | 777.9 | 779.7 | 781.5 | 779.7 |
| 20° | 761.3 | 766.0 | 770.6 | 769.3 | 765.9 | 764.4 | 764.6 | 765.3 | 767.1 | 768.9 | 767.1 |
| 22.5° | 748.3 | 752.9 | 757.6 | 756.4 | 753.2 | 751.4 | 750.8 | 750.9 | 753.1 | 755.4 | 753.1 |
| 25° | 726.3 | 731.0 | 735.7 | 734.7 | 731.9 | 730.0 | 729.3 | 729.1 | 730.9 | 732.8 | 730.9 |
| 27.5° | 703.5 | 707.4 | 711.3 | 710.5 | 708.1 | 706.6 | 706.1 | 706.0 | 707.3 | 708.6 | 707.3 |
| 30° | 686.7 | 690.6 | 694.5 | 693.5 | 690.9 | 689.4 | 688.8 | 688.8 | 690.1 | 691.4 | 690.1 |
| 32.5° | 669.0 | 672.7 | 676.3 | 675.0 | 672.0 | 670.4 | 670.3 | 670.6 | 672.1 | 673.6 | 672.1 |
| 35° | 641.2 | 644.3 | 647.5 | 646.1 | 643.2 | 641.9 | 642.2 | 642.7 | 644.0 | 645.3 | 644.0 |
| 37.5° | 613.4 | 615.8 | 618.1 | 616.8 | 614.1 | 612.8 | 612.7 | 612.9 | 614.0 | 615.1 | 614.0 |
| 40° | 592.9 | 595.4 | 598.0 | 596.5 | 593.7 | 592.1 | 591.9 | 592.0 | 593.3 | 594.6 | 593.3 |
| 42.5° | 571.9 | 573.8 | 575.8 | 574.5 | 572.0 | 570.9 | 571.0 | 571.3 | 572.0 | 572.7 | 572.0 |
| 45° | 539.2 | 541.0 | 542.8 | 541.6 | 539.2 | 538.1 | 538.1 | 538.2 | 538.7 | 539.2 | 538.7 |
| 47.5° | 505.1 | 506.5 | 507.9 | 506.8 | 505.0 | 504.0 | 503.7 | 503.6 | 504.5 | 505.3 | 504.5 |
| 50° | 480.3 | 482.2 | 484.0 | 483.1 | 481.3 | 480.1 | 479.6 | 479.4 | 480.5 | 481.5 | 480.5 |
| 52.5° | 456.1 | 458.1 | 460.1 | 459.3 | 457.5 | 456.2 | 455.5 | 455.1 | 456.0 | 456.8 | 456.0 |
| 55° | 418.6 | 420.9 | 423.2 | 422.6 | 421.1 | 419.8 | 418.7 | 418.1 | 418.6 | 419.1 | 418.6 |
| 57.5° | 380.2 | 382.5 | 384.8 | 384.3 | 383.0 | 381.7 | 380.4 | 379.7 | 380.4 | 381.1 | 380.4 |
| 60° | 355.0 | 357.1 | 359.2 | 358.5 | 357.0 | 355.7 | 354.6 | 354.0 | 354.5 | 355.0 | 354.5 |
| 62.5° | 329.4 | 331.4 | 333.5 | 332.7 | 330.9 | 329.5 | 328.5 | 327.9 | 328.4 | 328.9 | 328.4 |
| 65° | 290.3 | 292.1 | 293.9 | 293.2 | 291.7 | 290.4 | 289.3 | 288.6 | 288.9 | 289.1 | 288.9 |
| 67.5° | 250.9 | 252.5 | 254.0 | 253.3 | 251.8 | 250.3 | 248.8 | 247.7 | 248.2 | 248.6 | 248.2 |
| 70° | 223.8 | 225.4 | 227.0 | 226.4 | 225.1 | 223.8 | 222.5 | 221.5 | 221.5 | 221.5 | 221.5 |
| 72.5° | 197.7 | 199.1 | 200.4 | 199.6 | 198.1 | 196.8 | 195.8 | 194.9 | 194.9 | 194.9 | 194.9 |
| 75° | 158.0 | 158.8 | 159.5 | 159.1 | 158.4 | 157.3 | 156.0 | 155.0 | 154.7 | 154.5 | 154.7 |
| 77.5° | 119.6 | 119.6 | 119.6 | 118.9 | 117.9 | 116.9 | 115.9 | 115.1 | 114.8 | 114.5 | 114.8 |
| 80° | 94.4 | 94.4 | 94.4 | 93.9 | 93.1 | 92.3 | 91.5 | 90.8 | 90.3 | 89.8 | 90.3 |
| 82.5° | 71.1 | 70.7 | 70.3 | 69.6 | 68.8 | 67.8 | 66.6 | 65.9 | 66.4 | 66.9 | 66.4 |
| 85° | 37.9 | 37.4 | 36.9 | 36.1 | 35.4 | 34.5 | 33.4 | 32.6 | 32.3 | 32.1 | 32.3 |
| 87.5° | 11.7 | 11.2 | 10.8 | 10.3 | 9.6 | 8.9 | 8.1 | 7.4 | 7.2 | 7.0 | 7.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P1427651

CATALOG NUMBER: SQ2W-F-OU-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 827.8 | 827.8 | 827.8 | 827.8 | 827.8 | 827.8 | 827.8 | 827.8 | 827.8 | 827.8 | 827.8 |
| 2.5° | 826.5 | 825.8 | 824.9 | 826.3 | 829.8 | 831.5 | 827.5 | 823.6 | 827.5 | 831.5 | 829.8 |
| 5° | 823.8 | 822.7 | 822.2 | 824.0 | 828.2 | 830.0 | 824.8 | 819.6 | 824.8 | 830.0 | 828.2 |
| 7.5° | 817.8 | 816.7 | 816.1 | 817.7 | 821.7 | 823.3 | 818.2 | 813.0 | 818.2 | 823.3 | 821.7 |
| 10° | 812.6 | 811.3 | 810.2 | 811.8 | 815.9 | 817.7 | 812.6 | 807.4 | 812.6 | 817.7 | 815.9 |
| 12.5° | 805.6 | 804.6 | 804.0 | 805.5 | 809.2 | 810.7 | 805.6 | 800.4 | 805.6 | 810.7 | 809.2 |
| 15° | 793.3 | 792.2 | 791.4 | 792.9 | 796.5 | 797.9 | 792.7 | 787.6 | 792.7 | 797.9 | 796.5 |
| 17.5° | 777.9 | 776.8 | 775.9 | 777.1 | 780.5 | 781.8 | 776.9 | 772.0 | 776.9 | 781.8 | 780.5 |
| 20° | 765.3 | 764.6 | 764.4 | 765.9 | 769.3 | 770.6 | 766.0 | 761.3 | 766.0 | 770.6 | 769.3 |
| 22.5° | 750.9 | 750.8 | 751.4 | 753.2 | 756.4 | 757.6 | 752.9 | 748.3 | 752.9 | 757.6 | 756.4 |
| 25° | 729.1 | 729.3 | 730.0 | 731.9 | 734.7 | 735.7 | 731.0 | 726.3 | 731.0 | 735.7 | 734.7 |
| 27.5° | 706.0 | 706.1 | 706.6 | 708.1 | 710.5 | 711.3 | 707.4 | 703.5 | 707.4 | 711.3 | 710.5 |
| 30° | 688.8 | 688.8 | 689.4 | 690.9 | 693.5 | 694.5 | 690.6 | 686.7 | 690.6 | 694.5 | 693.5 |
| 32.5° | 670.6 | 670.3 | 670.4 | 672.0 | 675.0 | 676.3 | 672.7 | 669.0 | 672.7 | 676.3 | 675.0 |
| 35° | 642.7 | 642.2 | 641.9 | 643.2 | 646.1 | 647.5 | 644.3 | 641.2 | 644.3 | 647.5 | 646.1 |
| 37.5° | 612.9 | 612.7 | 612.8 | 614.1 | 616.8 | 618.1 | 615.8 | 613.4 | 615.8 | 618.1 | 616.8 |
| 40° | 592.0 | 591.9 | 592.1 | 593.7 | 596.5 | 598.0 | 595.4 | 592.9 | 595.4 | 598.0 | 596.5 |
| 42.5° | 571.3 | 571.0 | 570.9 | 572.0 | 574.5 | 575.8 | 573.8 | 571.9 | 573.8 | 575.8 | 574.5 |
| 45° | 538.2 | 538.1 | 538.1 | 539.2 | 541.6 | 542.8 | 541.0 | 539.2 | 541.0 | 542.8 | 541.6 |
| 47.5° | 503.6 | 503.7 | 504.0 | 505.0 | 506.8 | 507.9 | 506.5 | 505.1 | 506.5 | 507.9 | 506.8 |
| 50° | 479.4 | 479.6 | 480.1 | 481.3 | 483.1 | 484.0 | 482.2 | 480.3 | 482.2 | 484.0 | 483.1 |
| 52.5° | 455.1 | 455.5 | 456.2 | 457.5 | 459.3 | 460.1 | 458.1 | 456.1 | 458.1 | 460.1 | 459.3 |
| 55° | 418.1 | 418.7 | 419.8 | 421.1 | 422.6 | 423.2 | 420.9 | 418.6 | 420.9 | 423.2 | 422.6 |
| 57.5° | 379.7 | 380.4 | 381.7 | 383.0 | 384.3 | 384.8 | 382.5 | 380.2 | 382.5 | 384.8 | 384.3 |
| 60° | 354.0 | 354.6 | 355.7 | 357.0 | 358.5 | 359.2 | 357.1 | 355.0 | 357.1 | 359.2 | 358.5 |
| 62.5° | 327.9 | 328.5 | 329.5 | 330.9 | 332.7 | 333.5 | 331.4 | 329.4 | 331.4 | 333.5 | 332.7 |
| 65° | 288.6 | 289.3 | 290.4 | 291.7 | 293.2 | 293.9 | 292.1 | 290.3 | 292.1 | 293.9 | 293.2 |
| 67.5° | 247.7 | 248.8 | 250.3 | 251.8 | 253.3 | 254.0 | 252.5 | 250.9 | 252.5 | 254.0 | 253.3 |
| 70° | 221.5 | 222.5 | 223.8 | 225.1 | 226.4 | 227.0 | 225.4 | 223.8 | 225.4 | 227.0 | 226.4 |
| 72.5° | 194.9 | 195.8 | 196.8 | 198.1 | 199.6 | 200.4 | 199.1 | 197.7 | 199.1 | 200.4 | 199.6 |
| 75° | 155.0 | 156.0 | 157.3 | 158.4 | 159.1 | 159.5 | 158.8 | 158.0 | 158.8 | 159.5 | 159.1 |
| 77.5° | 115.1 | 115.9 | 116.9 | 117.9 | 118.9 | 119.6 | 119.6 | 119.6 | 119.6 | 119.6 | 118.9 |
| 80° | 90.8 | 91.5 | 92.3 | 93.1 | 93.9 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 93.9 |
| 82.5° | 65.9 | 66.6 | 67.8 | 68.8 | 69.6 | 70.3 | 70.7 | 71.1 | 70.7 | 70.3 | 69.6 |
| 85° | 32.6 | 33.4 | 34.5 | 35.4 | 36.1 | 36.9 | 37.4 | 37.9 | 37.4 | 36.9 | 36.1 |
| 87.5° | 7.4 | 8.1 | 8.9 | 9.6 | 10.3 | 10.8 | 11.2 | 11.7 | 11.2 | 10.8 | 10.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P1427651

CATALOG NUMBER: SQ2W-F-OU-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 827.8 | 827.8 | 827.8 | 827.8 | 827.8 | 827.8 | 827.8 | 827.8 | 827.8 | 827.8 | 827.8 |
| 2.5° | 826.3 | 824.9 | 825.8 | 826.5 | 826.9 | 827.3 | 826.9 | 826.5 | 825.8 | 824.9 | 826.3 |
| 5° | 824.0 | 822.2 | 822.7 | 823.8 | 826.4 | 828.9 | 826.4 | 823.8 | 822.7 | 822.2 | 824.0 |
| 7.5° | 817.7 | 816.1 | 816.7 | 817.8 | 820.5 | 823.2 | 820.5 | 817.8 | 816.7 | 816.1 | 817.7 |
| 10° | 811.8 | 810.2 | 811.3 | 812.6 | 814.6 | 816.7 | 814.6 | 812.6 | 811.3 | 810.2 | 811.8 |
| 12.5° | 805.5 | 804.0 | 804.6 | 805.6 | 807.9 | 810.2 | 807.9 | 805.6 | 804.6 | 804.0 | 805.5 |
| 15° | 792.9 | 791.4 | 792.2 | 793.3 | 795.4 | 797.5 | 795.4 | 793.3 | 792.2 | 791.4 | 792.9 |
| 17.5° | 777.1 | 775.9 | 776.8 | 777.9 | 779.7 | 781.5 | 779.7 | 777.9 | 776.8 | 775.9 | 777.1 |
| 20° | 765.9 | 764.4 | 764.6 | 765.3 | 767.1 | 768.9 | 767.1 | 765.3 | 764.6 | 764.4 | 765.9 |
| 22.5° | 753.2 | 751.4 | 750.8 | 750.9 | 753.1 | 755.4 | 753.1 | 750.9 | 750.8 | 751.4 | 753.2 |
| 25° | 731.9 | 730.0 | 729.3 | 729.1 | 730.9 | 732.8 | 730.9 | 729.1 | 729.3 | 730.0 | 731.9 |
| 27.5° | 708.1 | 706.6 | 706.1 | 706.0 | 707.3 | 708.6 | 707.3 | 706.0 | 706.1 | 706.6 | 708.1 |
| 30° | 690.9 | 689.4 | 688.8 | 688.8 | 690.1 | 691.4 | 690.1 | 688.8 | 688.8 | 689.4 | 690.9 |
| 32.5° | 672.0 | 670.4 | 670.3 | 670.6 | 672.1 | 673.6 | 672.1 | 670.6 | 670.3 | 670.4 | 672.0 |
| 35° | 643.2 | 641.9 | 642.2 | 642.7 | 644.0 | 645.3 | 644.0 | 642.7 | 642.2 | 641.9 | 643.2 |
| 37.5° | 614.1 | 612.8 | 612.7 | 612.9 | 614.0 | 615.1 | 614.0 | 612.9 | 612.7 | 612.8 | 614.1 |
| 40° | 593.7 | 592.1 | 591.9 | 592.0 | 593.3 | 594.6 | 593.3 | 592.0 | 591.9 | 592.1 | 593.7 |
| 42.5° | 572.0 | 570.9 | 571.0 | 571.3 | 572.0 | 572.7 | 572.0 | 571.3 | 571.0 | 570.9 | 572.0 |
| 45° | 539.2 | 538.1 | 538.1 | 538.2 | 538.7 | 539.2 | 538.7 | 538.2 | 538.1 | 538.1 | 539.2 |
| 47.5° | 505.0 | 504.0 | 503.7 | 503.6 | 504.5 | 505.3 | 504.5 | 503.6 | 503.7 | 504.0 | 505.0 |
| 50° | 481.3 | 480.1 | 479.6 | 479.4 | 480.5 | 481.5 | 480.5 | 479.4 | 479.6 | 480.1 | 481.3 |
| 52.5° | 457.5 | 456.2 | 455.5 | 455.1 | 456.0 | 456.8 | 456.0 | 455.1 | 455.5 | 456.2 | 457.5 |
| 55° | 421.1 | 419.8 | 418.7 | 418.1 | 418.6 | 419.1 | 418.6 | 418.1 | 418.7 | 419.8 | 421.1 |
| 57.5° | 383.0 | 381.7 | 380.4 | 379.7 | 380.4 | 381.1 | 380.4 | 379.7 | 380.4 | 381.7 | 383.0 |
| 60° | 357.0 | 355.7 | 354.6 | 354.0 | 354.5 | 355.0 | 354.5 | 354.0 | 354.6 | 355.7 | 357.0 |
| 62.5° | 330.9 | 329.5 | 328.5 | 327.9 | 328.4 | 328.9 | 328.4 | 327.9 | 328.5 | 329.5 | 330.9 |
| 65° | 291.7 | 290.4 | 289.3 | 288.6 | 288.9 | 289.1 | 288.9 | 288.6 | 289.3 | 290.4 | 291.7 |
| 67.5° | 251.8 | 250.3 | 248.8 | 247.7 | 248.2 | 248.6 | 248.2 | 247.7 | 248.8 | 250.3 | 251.8 |
| 70° | 225.1 | 223.8 | 222.5 | 221.5 | 221.5 | 221.5 | 221.5 | 221.5 | 222.5 | 223.8 | 225.1 |
| 72.5° | 198.1 | 196.8 | 195.8 | 194.9 | 194.9 | 194.9 | 194.9 | 194.9 | 195.8 | 196.8 | 198.1 |
| 75° | 158.4 | 157.3 | 156.0 | 155.0 | 154.7 | 154.5 | 154.7 | 155.0 | 156.0 | 157.3 | 158.4 |
| 77.5° | 117.9 | 116.9 | 115.9 | 115.1 | 114.8 | 114.5 | 114.8 | 115.1 | 115.9 | 116.9 | 117.9 |
| 80° | 93.1 | 92.3 | 91.5 | 90.8 | 90.3 | 89.8 | 90.3 | 90.8 | 91.5 | 92.3 | 93.1 |
| 82.5° | 68.8 | 67.8 | 66.6 | 65.9 | 66.4 | 66.9 | 66.4 | 65.9 | 66.6 | 67.8 | 68.8 |
| 85° | 35.4 | 34.5 | 33.4 | 32.6 | 32.3 | 32.1 | 32.3 | 32.6 | 33.4 | 34.5 | 35.4 |
| 87.5° | 9.6 | 8.9 | 8.1 | 7.4 | 7.2 | 7.0 | 7.2 | 7.4 | 8.1 | 8.9 | 9.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P1427651

CATALOG NUMBER: SQ2W-F-0U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|-------|-------|-------|-------|-------|
| 0° | 827.8 | 827.8 | 827.8 | 827.8 |
| 2.5° | 829.8 | 831.5 | 827.5 | 823.6 |
| 5° | 828.2 | 830.0 | 824.8 | 819.6 |
| 7.5° | 821.7 | 823.3 | 818.2 | 813.0 |
| 10° | 815.9 | 817.7 | 812.6 | 807.4 |
| 12.5° | 809.2 | 810.7 | 805.6 | 800.4 |
| 15° | 796.5 | 797.9 | 792.7 | 787.6 |
| 17.5° | 780.5 | 781.8 | 776.9 | 772.0 |
| 20° | 769.3 | 770.6 | 766.0 | 761.3 |
| 22.5° | 756.4 | 757.6 | 752.9 | 748.3 |
| 25° | 734.7 | 735.7 | 731.0 | 726.3 |
| 27.5° | 710.5 | 711.3 | 707.4 | 703.5 |
| 30° | 693.5 | 694.5 | 690.6 | 686.7 |
| 32.5° | 675.0 | 676.3 | 672.7 | 669.0 |
| 35° | 646.1 | 647.5 | 644.3 | 641.2 |
| 37.5° | 616.8 | 618.1 | 615.8 | 613.4 |
| 40° | 596.5 | 598.0 | 595.4 | 592.9 |
| 42.5° | 574.5 | 575.8 | 573.8 | 571.9 |
| 45° | 541.6 | 542.8 | 541.0 | 539.2 |
| 47.5° | 506.8 | 507.9 | 506.5 | 505.1 |
| 50° | 483.1 | 484.0 | 482.2 | 480.3 |
| 52.5° | 459.3 | 460.1 | 458.1 | 456.1 |
| 55° | 422.6 | 423.2 | 420.9 | 418.6 |
| 57.5° | 384.3 | 384.8 | 382.5 | 380.2 |
| 60° | 358.5 | 359.2 | 357.1 | 355.0 |
| 62.5° | 332.7 | 333.5 | 331.4 | 329.4 |
| 65° | 293.2 | 293.9 | 292.1 | 290.3 |
| 67.5° | 253.3 | 254.0 | 252.5 | 250.9 |
| 70° | 226.4 | 227.0 | 225.4 | 223.8 |
| 72.5° | 199.6 | 200.4 | 199.1 | 197.7 |
| 75° | 159.1 | 159.5 | 158.8 | 158.0 |
| 77.5° | 118.9 | 119.6 | 119.6 | 119.6 |
| 80° | 93.9 | 94.4 | 94.4 | 94.4 |
| 82.5° | 69.6 | 70.3 | 70.7 | 71.1 |
| 85° | 36.1 | 36.9 | 37.4 | 37.9 |
| 87.5° | 10.3 | 10.8 | 11.2 | 11.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P1427651
 CATALOG NUMBER: SQ2W-F-0U-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 | 20.67 | 22.31 | 21.04 | 22.63 | 22.94 | 20.59 | 22.23 | 20.95 | 22.54 | 22.86 |
| | 3H | 22.51 | 24.00 | 22.89 | 24.33 | 24.69 | 22.41 | 23.90 | 22.79 | 24.22 | 24.58 |
| | 4H | 23.24 | 24.64 | 23.64 | 24.99 | 25.36 | 23.13 | 24.53 | 23.52 | 24.87 | 25.25 |
| | 6H | 23.72 | 25.02 | 24.13 | 25.38 | 25.77 | 23.58 | 24.87 | 23.99 | 25.24 | 25.63 |
| | 8H | 23.90 | 25.14 | 24.32 | 25.53 | 25.93 | 23.74 | 24.98 | 24.17 | 25.37 | 25.77 |
| | 12H | 24.01 | 25.20 | 24.44 | 25.58 | 26.01 | 23.83 | 25.02 | 24.26 | 25.40 | 25.83 |
| 4H | 2H | 21.34 | 22.74 | 21.73 | 23.08 | 23.46 | 21.27 | 22.67 | 21.67 | 23.02 | 23.39 |
| | 3H | 23.42 | 24.60 | 23.83 | 25.00 | 25.40 | 23.33 | 24.51 | 23.74 | 24.90 | 25.30 |
| | 4H | 24.27 | 25.33 | 24.70 | 25.75 | 26.18 | 24.16 | 25.22 | 24.59 | 25.63 | 26.07 |
| | 6H | 24.86 | 25.80 | 25.32 | 26.24 | 26.69 | 24.72 | 25.65 | 25.18 | 26.09 | 26.55 |
| | 8H | 25.10 | 25.97 | 25.56 | 26.41 | 26.87 | 24.94 | 25.81 | 25.40 | 26.25 | 26.72 |
| | 12H | 25.25 | 26.03 | 25.73 | 26.51 | 26.98 | 25.06 | 25.85 | 25.54 | 26.32 | 26.79 |
| 8H | 4H | 24.58 | 25.45 | 25.03 | 25.89 | 26.35 | 24.48 | 25.35 | 24.94 | 25.79 | 26.25 |
| | 6H | 25.30 | 26.02 | 25.79 | 26.51 | 26.98 | 25.17 | 25.89 | 25.66 | 26.38 | 26.85 |
| | 8H | 25.61 | 26.26 | 26.12 | 26.77 | 27.25 | 25.46 | 26.10 | 25.96 | 26.61 | 27.10 |
| | 12H | 25.83 | 26.41 | 26.34 | 26.90 | 27.46 | 25.64 | 26.21 | 26.15 | 26.70 | 27.26 |
| 12H | 4H | 24.61 | 25.39 | 25.09 | 25.86 | 26.33 | 24.51 | 25.30 | 24.99 | 25.77 | 26.24 |
| | 6H | 25.35 | 26.01 | 25.86 | 26.51 | 27.00 | 25.23 | 25.88 | 25.74 | 26.39 | 26.87 |
| | 8H | 25.73 | 26.30 | 26.23 | 26.79 | 27.35 | 25.58 | 26.15 | 26.08 | 26.64 | 27.20 |