

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: P1428326

Luminaire Tested: SQ2W-PW1-0U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428326  
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-PW1-0U-050D-L930-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE WAVES LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 500 LUMENS PER FOOT  
UPLIGHT N/A - DIRECT ONLY  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

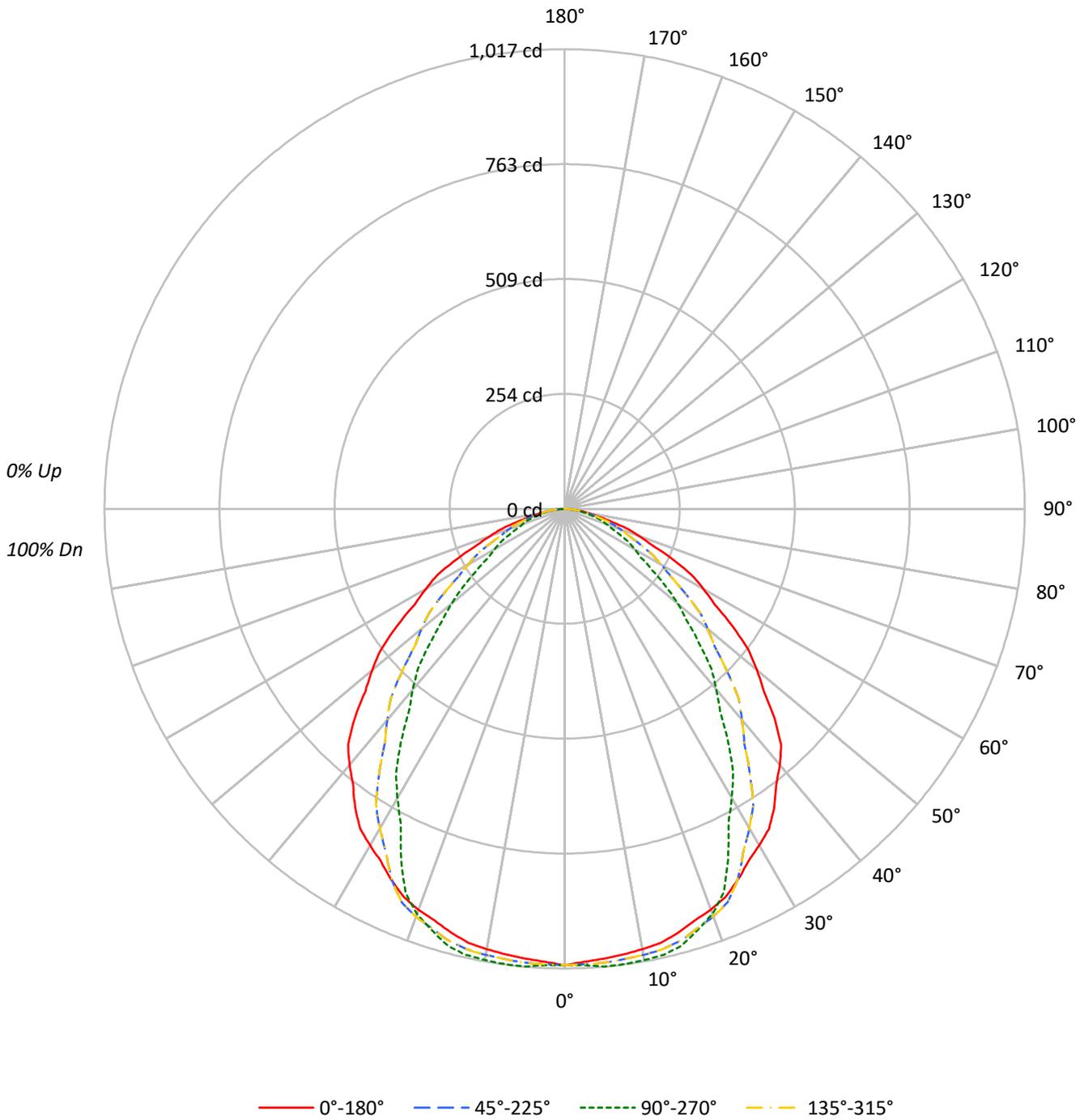
Lumens per Lamp: N/A  
Luminaire Lumens: 2240.9 lumens  
Efficiency: N/A  
Efficacy: 125.9 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 17.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1428326

CATALOG NUMBER: SQ2W-PW1-0U-050D-L930-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1428326

CATALOG NUMBER: SQ2W-PW1-0U-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  | 50  | 30 | 10 | 0  |     |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |    | 100 |
| 1   | 110 | 106 | 102 | 99  | 108 | 104 | 100 | 97  | 100 | 97  | 94  | 96  | 93  | 91  | 92  | 90  | 89  | 87  |    |    |    | 87  |
| 2   | 101 | 94  | 88  | 83  | 99  | 92  | 87  | 82  | 89  | 84  | 80  | 85  | 82  | 78  | 82  | 79  | 76  | 74  |    |    |    | 74  |
| 3   | 93  | 84  | 76  | 70  | 91  | 82  | 75  | 70  | 79  | 73  | 69  | 77  | 72  | 67  | 74  | 70  | 66  | 64  |    |    |    | 64  |
| 4   | 86  | 75  | 67  | 61  | 84  | 74  | 66  | 61  | 71  | 65  | 60  | 69  | 63  | 59  | 67  | 62  | 58  | 56  |    |    |    | 56  |
| 5   | 80  | 68  | 59  | 53  | 78  | 67  | 59  | 53  | 65  | 58  | 52  | 63  | 57  | 52  | 61  | 56  | 51  | 49  |    |    |    | 49  |
| 6   | 74  | 62  | 53  | 47  | 72  | 61  | 53  | 47  | 59  | 52  | 47  | 57  | 51  | 46  | 56  | 50  | 46  | 44  |    |    |    | 44  |
| 7   | 69  | 56  | 48  | 42  | 67  | 55  | 48  | 42  | 54  | 47  | 42  | 52  | 46  | 41  | 51  | 46  | 41  | 39  |    |    |    | 39  |
| 8   | 64  | 52  | 44  | 38  | 63  | 51  | 43  | 38  | 50  | 43  | 38  | 48  | 42  | 37  | 47  | 42  | 37  | 35  |    |    |    | 35  |
| 9   | 60  | 48  | 40  | 35  | 59  | 47  | 40  | 34  | 46  | 39  | 34  | 45  | 39  | 34  | 44  | 38  | 34  | 32  |    |    |    | 32  |
| 10  | 57  | 44  | 37  | 32  | 55  | 44  | 36  | 31  | 43  | 36  | 31  | 42  | 36  | 31  | 41  | 35  | 31  | 29  |    |    |    | 29  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 16305 | 16305 | 16305 | 16305 |
| 5°  | 16196 | 16476 | 16196 | 16476 |
| 10° | 16226 | 16619 | 16226 | 16619 |
| 15° | 16222 | 16720 | 16222 | 16720 |
| 20° | 16228 | 16393 | 16228 | 16393 |
| 25° | 16140 | 15232 | 16140 | 15232 |
| 30° | 16031 | 13772 | 16031 | 13772 |
| 35° | 15906 | 12435 | 15906 | 12435 |
| 40° | 15588 | 10987 | 15588 | 10987 |
| 45° | 14979 | 9597  | 14979 | 9597  |
| 50° | 13940 | 8214  | 13940 | 8214  |
| 55° | 12751 | 6660  | 12751 | 6660  |
| 60° | 11428 | 5745  | 11428 | 5745  |
| 65° | 9994  | 5108  | 9994  | 5108  |
| 70° | 8171  | 4631  | 8171  | 4631  |
| 75° | 6363  | 4261  | 6363  | 4261  |
| 80° | 4742  | 3756  | 4742  | 3756  |
| 85° | 3205  | 2130  | 3205  | 2130  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 14979 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 96.2   | 4.3       |
| 10°-20°   | 278.6  | 12.4      |
| 20°-30°   | 410.0  | 18.3      |
| 30°-40°   | 448.3  | 20.0      |
| 40°-50°   | 402.2  | 17.9      |
| 50°-60°   | 300.0  | 13.4      |
| 60°-70°   | 189.6  | 8.5       |
| 70°-80°   | 93.9   | 4.2       |
| 80°-90°   | 22.0   | 1.0       |
| 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°    | 784.8  | 35.0      |
| 0°-40°    | 1233.2 | 55.0      |
| 0°-60°    | 1935.4 | 86.4      |
| 0°-90°    | 2240.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2240.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1010 | 1010 | 1010 | 1010 | 1010 |      |
| 5°  | 999  | 1017 | 999  | 1017 | 999  | 95   |
| 15° | 970  | 1000 | 970  | 1000 | 970  | 274  |
| 25° | 906  | 855  | 906  | 855  | 906  | 417  |
| 35° | 807  | 631  | 807  | 631  | 807  | 503  |
| 45° | 656  | 420  | 656  | 420  | 656  | 503  |
| 55° | 453  | 237  | 453  | 237  | 453  | 405  |
| 65° | 262  | 134  | 262  | 134  | 262  | 259  |
| 75° | 102  | 68   | 102  | 68   | 102  | 112  |
| 85° | 17   | 12   | 17   | 12   | 17   | 23   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 10°    | 20°    | 30°    | 40°    | 50°    | 60°    | 70°    | 80°    | 90°    | 100°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 |
| 2.5°  | 1003.0 | 1008.8 | 1014.6 | 1013.2 | 1009.5 | 1007.8 | 1008.1 | 1008.6 | 1009.6 | 1010.7 | 1009.6 |
| 5°    | 999.3  | 1006.6 | 1013.9 | 1012.8 | 1008.9 | 1007.2 | 1007.7 | 1008.9 | 1012.8 | 1016.6 | 1012.8 |
| 7.5°  | 994.3  | 1001.7 | 1009.0 | 1008.7 | 1005.8 | 1005.0 | 1006.5 | 1008.5 | 1012.3 | 1016.1 | 1012.3 |
| 10°   | 989.7  | 997.4  | 1005.1 | 1005.1 | 1002.5 | 1002.3 | 1004.4 | 1006.9 | 1010.3 | 1013.7 | 1010.3 |
| 12.5° | 983.5  | 991.6  | 999.6  | 1000.2 | 998.3  | 998.6  | 1001.1 | 1003.8 | 1007.2 | 1010.7 | 1007.2 |
| 15°   | 970.5  | 979.0  | 987.6  | 989.4  | 989.0  | 990.2  | 993.2  | 996.0  | 998.1  | 1000.3 | 998.1  |
| 17.5° | 955.3  | 963.8  | 972.4  | 974.1  | 973.5  | 973.5  | 974.3  | 975.1  | 976.2  | 977.2  | 976.2  |
| 20°   | 944.5  | 953.0  | 961.6  | 962.8  | 961.5  | 959.4  | 956.4  | 954.1  | 954.1  | 954.1  | 954.1  |
| 22.5° | 929.1  | 938.3  | 947.6  | 947.6  | 944.6  | 939.1  | 931.0  | 924.2  | 921.5  | 918.7  | 921.5  |
| 25°   | 906.0  | 915.0  | 924.0  | 919.8  | 911.3  | 898.6  | 882.0  | 867.9  | 861.5  | 855.0  | 861.5  |
| 27.5° | 879.1  | 886.4  | 893.6  | 882.7  | 865.8  | 845.5  | 821.8  | 801.8  | 793.0  | 784.1  | 793.0  |
| 30°   | 859.9  | 865.4  | 871.0  | 853.8  | 829.0  | 803.5  | 777.5  | 755.8  | 747.2  | 738.7  | 747.2  |
| 32.5° | 839.9  | 842.0  | 844.1  | 821.4  | 790.5  | 761.5  | 734.4  | 711.7  | 702.5  | 693.3  | 702.5  |
| 35°   | 807.0  | 803.1  | 799.3  | 769.1  | 730.2  | 697.1  | 669.7  | 647.2  | 639.1  | 630.9  | 639.1  |
| 37.5° | 768.1  | 756.6  | 745.2  | 711.2  | 669.8  | 634.7  | 606.1  | 582.3  | 573.4  | 564.4  | 573.4  |
| 40°   | 739.6  | 723.4  | 707.1  | 670.7  | 627.5  | 591.6  | 563.0  | 539.3  | 530.3  | 521.3  | 530.3  |
| 42.5° | 708.1  | 687.7  | 667.4  | 629.9  | 586.7  | 550.8  | 522.2  | 498.4  | 489.1  | 479.8  | 489.1  |
| 45°   | 656.0  | 632.0  | 608.1  | 569.1  | 525.0  | 489.1  | 461.3  | 438.3  | 429.3  | 420.3  | 429.3  |
| 47.5° | 597.3  | 573.5  | 549.7  | 510.8  | 466.9  | 431.5  | 404.5  | 382.4  | 374.7  | 367.0  | 374.7  |
| 50°   | 555.0  | 531.9  | 508.8  | 471.6  | 429.7  | 395.3  | 368.4  | 345.8  | 336.4  | 327.0  | 336.4  |
| 52.5° | 511.9  | 491.2  | 470.5  | 434.7  | 393.8  | 359.6  | 332.0  | 308.0  | 295.2  | 282.4  | 295.2  |
| 55°   | 453.0  | 433.3  | 413.7  | 379.9  | 341.4  | 306.8  | 276.0  | 251.1  | 243.9  | 236.6  | 243.9  |
| 57.5° | 392.4  | 375.4  | 358.4  | 328.0  | 293.2  | 261.9  | 233.9  | 211.4  | 205.5  | 199.5  | 205.5  |
| 60°   | 353.9  | 339.0  | 324.0  | 295.0  | 261.2  | 232.5  | 209.0  | 189.9  | 183.9  | 177.9  | 183.9  |
| 62.5° | 317.0  | 303.8  | 290.5  | 262.6  | 229.9  | 204.2  | 185.4  | 170.2  | 165.2  | 160.2  | 165.2  |
| 65°   | 261.6  | 251.8  | 241.9  | 219.0  | 191.6  | 170.2  | 154.9  | 142.2  | 138.0  | 133.7  | 138.0  |
| 67.5° | 207.8  | 202.3  | 196.8  | 179.6  | 158.5  | 141.2  | 127.7  | 116.8  | 114.0  | 111.2  | 114.0  |
| 70°   | 173.1  | 171.4  | 169.7  | 155.5  | 137.1  | 122.4  | 111.2  | 102.4  | 100.2  | 98.1   | 100.2  |
| 72.5° | 143.1  | 143.8  | 144.5  | 132.7  | 116.7  | 104.3  | 95.6   | 88.7   | 87.2   | 85.8   | 87.2   |
| 75°   | 102.0  | 105.4  | 108.8  | 101.0  | 89.4   | 80.7   | 74.7   | 70.0   | 69.1   | 68.3   | 69.1   |
| 77.5° | 69.4   | 74.6   | 79.7   | 74.6   | 66.2   | 59.7   | 55.3   | 51.8   | 51.1   | 50.4   | 51.1   |
| 80°   | 51.0   | 56.1   | 61.2   | 57.7   | 51.3   | 46.4   | 43.0   | 40.4   | 40.4   | 40.4   | 40.4   |
| 82.5° | 35.6   | 39.7   | 43.8   | 41.3   | 36.6   | 33.4   | 31.7   | 30.4   | 30.4   | 30.4   | 30.4   |
| 85°   | 17.3   | 19.4   | 21.6   | 20.8   | 19.1   | 17.0   | 14.4   | 12.4   | 12.0   | 11.5   | 12.0   |
| 87.5° | 4.6    | 5.6    | 6.7    | 5.6    | 3.9    | 2.9    | 2.6    | 2.3    | 2.3    | 2.3    | 2.3    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 110°   | 120°   | 130°   | 140°   | 150°   | 160°   | 170°   | 180°   | 190°   | 200°   | 210°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 |
| 2.5°  | 1008.6 | 1008.1 | 1007.8 | 1009.5 | 1013.2 | 1014.6 | 1008.8 | 1003.0 | 1008.8 | 1014.6 | 1013.2 |
| 5°    | 1008.9 | 1007.7 | 1007.2 | 1008.9 | 1012.8 | 1013.9 | 1006.6 | 999.3  | 1006.6 | 1013.9 | 1012.8 |
| 7.5°  | 1008.5 | 1006.5 | 1005.0 | 1005.8 | 1008.7 | 1009.0 | 1001.7 | 994.3  | 1001.7 | 1009.0 | 1008.7 |
| 10°   | 1006.9 | 1004.4 | 1002.3 | 1002.5 | 1005.1 | 1005.1 | 997.4  | 989.7  | 997.4  | 1005.1 | 1005.1 |
| 12.5° | 1003.8 | 1001.1 | 998.6  | 998.3  | 1000.2 | 999.6  | 991.6  | 983.5  | 991.6  | 999.6  | 1000.2 |
| 15°   | 996.0  | 993.2  | 990.2  | 989.0  | 989.4  | 987.6  | 979.0  | 970.5  | 979.0  | 987.6  | 989.4  |
| 17.5° | 975.1  | 974.3  | 973.5  | 973.5  | 974.1  | 972.4  | 963.8  | 955.3  | 963.8  | 972.4  | 974.1  |
| 20°   | 954.1  | 956.4  | 959.4  | 961.5  | 962.8  | 961.6  | 953.0  | 944.5  | 953.0  | 961.6  | 962.8  |
| 22.5° | 924.2  | 931.0  | 939.1  | 944.6  | 947.6  | 947.6  | 938.3  | 929.1  | 938.3  | 947.6  | 947.6  |
| 25°   | 867.9  | 882.0  | 898.6  | 911.3  | 919.8  | 924.0  | 915.0  | 906.0  | 915.0  | 924.0  | 919.8  |
| 27.5° | 801.8  | 821.8  | 845.5  | 865.8  | 882.7  | 893.6  | 886.4  | 879.1  | 886.4  | 893.6  | 882.7  |
| 30°   | 755.8  | 777.5  | 803.5  | 829.0  | 853.8  | 871.0  | 865.4  | 859.9  | 865.4  | 871.0  | 853.8  |
| 32.5° | 711.7  | 734.4  | 761.5  | 790.5  | 821.4  | 844.1  | 842.0  | 839.9  | 842.0  | 844.1  | 821.4  |
| 35°   | 647.2  | 669.7  | 697.1  | 730.2  | 769.1  | 799.3  | 803.1  | 807.0  | 803.1  | 799.3  | 769.1  |
| 37.5° | 582.3  | 606.1  | 634.7  | 669.8  | 711.2  | 745.2  | 756.6  | 768.1  | 756.6  | 745.2  | 711.2  |
| 40°   | 539.3  | 563.0  | 591.6  | 627.5  | 670.7  | 707.1  | 723.4  | 739.6  | 723.4  | 707.1  | 670.7  |
| 42.5° | 498.4  | 522.2  | 550.8  | 586.7  | 629.9  | 667.4  | 687.7  | 708.1  | 687.7  | 667.4  | 629.9  |
| 45°   | 438.3  | 461.3  | 489.1  | 525.0  | 569.1  | 608.1  | 632.0  | 656.0  | 632.0  | 608.1  | 569.1  |
| 47.5° | 382.4  | 404.5  | 431.5  | 466.9  | 510.8  | 549.7  | 573.5  | 597.3  | 573.5  | 549.7  | 510.8  |
| 50°   | 345.8  | 368.4  | 395.3  | 429.7  | 471.6  | 508.8  | 531.9  | 555.0  | 531.9  | 508.8  | 471.6  |
| 52.5° | 308.0  | 332.0  | 359.6  | 393.8  | 434.7  | 470.5  | 491.2  | 511.9  | 491.2  | 470.5  | 434.7  |
| 55°   | 251.1  | 276.0  | 306.8  | 341.4  | 379.9  | 413.7  | 433.3  | 453.0  | 433.3  | 413.7  | 379.9  |
| 57.5° | 211.4  | 233.9  | 261.9  | 293.2  | 328.0  | 358.4  | 375.4  | 392.4  | 375.4  | 358.4  | 328.0  |
| 60°   | 189.9  | 209.0  | 232.5  | 261.2  | 295.0  | 324.0  | 339.0  | 353.9  | 339.0  | 324.0  | 295.0  |
| 62.5° | 170.2  | 185.4  | 204.2  | 229.9  | 262.6  | 290.5  | 303.8  | 317.0  | 303.8  | 290.5  | 262.6  |
| 65°   | 142.2  | 154.9  | 170.2  | 191.6  | 219.0  | 241.9  | 251.8  | 261.6  | 251.8  | 241.9  | 219.0  |
| 67.5° | 116.8  | 127.7  | 141.2  | 158.5  | 179.6  | 196.8  | 202.3  | 207.8  | 202.3  | 196.8  | 179.6  |
| 70°   | 102.4  | 111.2  | 122.4  | 137.1  | 155.5  | 169.7  | 171.4  | 173.1  | 171.4  | 169.7  | 155.5  |
| 72.5° | 88.7   | 95.6   | 104.3  | 116.7  | 132.7  | 144.5  | 143.8  | 143.1  | 143.8  | 144.5  | 132.7  |
| 75°   | 70.0   | 74.7   | 80.7   | 89.4   | 101.0  | 108.8  | 105.4  | 102.0  | 105.4  | 108.8  | 101.0  |
| 77.5° | 51.8   | 55.3   | 59.7   | 66.2   | 74.6   | 79.7   | 74.6   | 69.4   | 74.6   | 79.7   | 74.6   |
| 80°   | 40.4   | 43.0   | 46.4   | 51.3   | 57.7   | 61.2   | 56.1   | 51.0   | 56.1   | 61.2   | 57.7   |
| 82.5° | 30.4   | 31.7   | 33.4   | 36.6   | 41.3   | 43.8   | 39.7   | 35.6   | 39.7   | 43.8   | 41.3   |
| 85°   | 12.4   | 14.4   | 17.0   | 19.1   | 20.8   | 21.6   | 19.4   | 17.3   | 19.4   | 21.6   | 20.8   |
| 87.5° | 2.3    | 2.6    | 2.9    | 3.9    | 5.6    | 6.7    | 5.6    | 4.6    | 5.6    | 6.7    | 5.6    |
| 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: P1428326

CATALOG NUMBER: SQ2W-PW1-0U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|       | 220°   | 230°   | 240°   | 250°   | 260°   | 270°   | 280°   | 290°   | 300°   | 310°   | 320°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 |
| 2.5°  | 1009.5 | 1007.8 | 1008.1 | 1008.6 | 1009.6 | 1010.7 | 1009.6 | 1008.6 | 1008.1 | 1007.8 | 1009.5 |
| 5°    | 1008.9 | 1007.2 | 1007.7 | 1008.9 | 1012.8 | 1016.6 | 1012.8 | 1008.9 | 1007.7 | 1007.2 | 1008.9 |
| 7.5°  | 1005.8 | 1005.0 | 1006.5 | 1008.5 | 1012.3 | 1016.1 | 1012.3 | 1008.5 | 1006.5 | 1005.0 | 1005.8 |
| 10°   | 1002.5 | 1002.3 | 1004.4 | 1006.9 | 1010.3 | 1013.7 | 1010.3 | 1006.9 | 1004.4 | 1002.3 | 1002.5 |
| 12.5° | 998.3  | 998.6  | 1001.1 | 1003.8 | 1007.2 | 1010.7 | 1007.2 | 1003.8 | 1001.1 | 998.6  | 998.3  |
| 15°   | 989.0  | 990.2  | 993.2  | 996.0  | 998.1  | 1000.3 | 998.1  | 996.0  | 993.2  | 990.2  | 989.0  |
| 17.5° | 973.5  | 973.5  | 974.3  | 975.1  | 976.2  | 977.2  | 976.2  | 975.1  | 974.3  | 973.5  | 973.5  |
| 20°   | 961.5  | 959.4  | 956.4  | 954.1  | 954.1  | 954.1  | 954.1  | 954.1  | 956.4  | 959.4  | 961.5  |
| 22.5° | 944.6  | 939.1  | 931.0  | 924.2  | 921.5  | 918.7  | 921.5  | 924.2  | 931.0  | 939.1  | 944.6  |
| 25°   | 911.3  | 898.6  | 882.0  | 867.9  | 861.5  | 855.0  | 861.5  | 867.9  | 882.0  | 898.6  | 911.3  |
| 27.5° | 865.8  | 845.5  | 821.8  | 801.8  | 793.0  | 784.1  | 793.0  | 801.8  | 821.8  | 845.5  | 865.8  |
| 30°   | 829.0  | 803.5  | 777.5  | 755.8  | 747.2  | 738.7  | 747.2  | 755.8  | 777.5  | 803.5  | 829.0  |
| 32.5° | 790.5  | 761.5  | 734.4  | 711.7  | 702.5  | 693.3  | 702.5  | 711.7  | 734.4  | 761.5  | 790.5  |
| 35°   | 730.2  | 697.1  | 669.7  | 647.2  | 639.1  | 630.9  | 639.1  | 647.2  | 669.7  | 697.1  | 730.2  |
| 37.5° | 669.8  | 634.7  | 606.1  | 582.3  | 573.4  | 564.4  | 573.4  | 582.3  | 606.1  | 634.7  | 669.8  |
| 40°   | 627.5  | 591.6  | 563.0  | 539.3  | 530.3  | 521.3  | 530.3  | 539.3  | 563.0  | 591.6  | 627.5  |
| 42.5° | 586.7  | 550.8  | 522.2  | 498.4  | 489.1  | 479.8  | 489.1  | 498.4  | 522.2  | 550.8  | 586.7  |
| 45°   | 525.0  | 489.1  | 461.3  | 438.3  | 429.3  | 420.3  | 429.3  | 438.3  | 461.3  | 489.1  | 525.0  |
| 47.5° | 466.9  | 431.5  | 404.5  | 382.4  | 374.7  | 367.0  | 374.7  | 382.4  | 404.5  | 431.5  | 466.9  |
| 50°   | 429.7  | 395.3  | 368.4  | 345.8  | 336.4  | 327.0  | 336.4  | 345.8  | 368.4  | 395.3  | 429.7  |
| 52.5° | 393.8  | 359.6  | 332.0  | 308.0  | 295.2  | 282.4  | 295.2  | 308.0  | 332.0  | 359.6  | 393.8  |
| 55°   | 341.4  | 306.8  | 276.0  | 251.1  | 243.9  | 236.6  | 243.9  | 251.1  | 276.0  | 306.8  | 341.4  |
| 57.5° | 293.2  | 261.9  | 233.9  | 211.4  | 205.5  | 199.5  | 205.5  | 211.4  | 233.9  | 261.9  | 293.2  |
| 60°   | 261.2  | 232.5  | 209.0  | 189.9  | 183.9  | 177.9  | 183.9  | 189.9  | 209.0  | 232.5  | 261.2  |
| 62.5° | 229.9  | 204.2  | 185.4  | 170.2  | 165.2  | 160.2  | 165.2  | 170.2  | 185.4  | 204.2  | 229.9  |
| 65°   | 191.6  | 170.2  | 154.9  | 142.2  | 138.0  | 133.7  | 138.0  | 142.2  | 154.9  | 170.2  | 191.6  |
| 67.5° | 158.5  | 141.2  | 127.7  | 116.8  | 114.0  | 111.2  | 114.0  | 116.8  | 127.7  | 141.2  | 158.5  |
| 70°   | 137.1  | 122.4  | 111.2  | 102.4  | 100.2  | 98.1   | 100.2  | 102.4  | 111.2  | 122.4  | 137.1  |
| 72.5° | 116.7  | 104.3  | 95.6   | 88.7   | 87.2   | 85.8   | 87.2   | 88.7   | 95.6   | 104.3  | 116.7  |
| 75°   | 89.4   | 80.7   | 74.7   | 70.0   | 69.1   | 68.3   | 69.1   | 70.0   | 74.7   | 80.7   | 89.4   |
| 77.5° | 66.2   | 59.7   | 55.3   | 51.8   | 51.1   | 50.4   | 51.1   | 51.8   | 55.3   | 59.7   | 66.2   |
| 80°   | 51.3   | 46.4   | 43.0   | 40.4   | 40.4   | 40.4   | 40.4   | 40.4   | 43.0   | 46.4   | 51.3   |
| 82.5° | 36.6   | 33.4   | 31.7   | 30.4   | 30.4   | 30.4   | 30.4   | 30.4   | 31.7   | 33.4   | 36.6   |
| 85°   | 19.1   | 17.0   | 14.4   | 12.4   | 12.0   | 11.5   | 12.0   | 12.4   | 14.4   | 17.0   | 19.1   |
| 87.5° | 3.9    | 2.9    | 2.6    | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    | 2.6    | 2.9    | 3.9    |
| 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: P1428326

CATALOG NUMBER: SQ2W-PW1-0U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|       | 330°   | 340°   | 350°   | 360°   |
|-------|--------|--------|--------|--------|
| 0°    | 1009.9 | 1009.9 | 1009.9 | 1009.9 |
| 2.5°  | 1013.2 | 1014.6 | 1008.8 | 1003.0 |
| 5°    | 1012.8 | 1013.9 | 1006.6 | 999.3  |
| 7.5°  | 1008.7 | 1009.0 | 1001.7 | 994.3  |
| 10°   | 1005.1 | 1005.1 | 997.4  | 989.7  |
| 12.5° | 1000.2 | 999.6  | 991.6  | 983.5  |
| 15°   | 989.4  | 987.6  | 979.0  | 970.5  |
| 17.5° | 974.1  | 972.4  | 963.8  | 955.3  |
| 20°   | 962.8  | 961.6  | 953.0  | 944.5  |
| 22.5° | 947.6  | 947.6  | 938.3  | 929.1  |
| 25°   | 919.8  | 924.0  | 915.0  | 906.0  |
| 27.5° | 882.7  | 893.6  | 886.4  | 879.1  |
| 30°   | 853.8  | 871.0  | 865.4  | 859.9  |
| 32.5° | 821.4  | 844.1  | 842.0  | 839.9  |
| 35°   | 769.1  | 799.3  | 803.1  | 807.0  |
| 37.5° | 711.2  | 745.2  | 756.6  | 768.1  |
| 40°   | 670.7  | 707.1  | 723.4  | 739.6  |
| 42.5° | 629.9  | 667.4  | 687.7  | 708.1  |
| 45°   | 569.1  | 608.1  | 632.0  | 656.0  |
| 47.5° | 510.8  | 549.7  | 573.5  | 597.3  |
| 50°   | 471.6  | 508.8  | 531.9  | 555.0  |
| 52.5° | 434.7  | 470.5  | 491.2  | 511.9  |
| 55°   | 379.9  | 413.7  | 433.3  | 453.0  |
| 57.5° | 328.0  | 358.4  | 375.4  | 392.4  |
| 60°   | 295.0  | 324.0  | 339.0  | 353.9  |
| 62.5° | 262.6  | 290.5  | 303.8  | 317.0  |
| 65°   | 219.0  | 241.9  | 251.8  | 261.6  |
| 67.5° | 179.6  | 196.8  | 202.3  | 207.8  |
| 70°   | 155.5  | 169.7  | 171.4  | 173.1  |
| 72.5° | 132.7  | 144.5  | 143.8  | 143.1  |
| 75°   | 101.0  | 108.8  | 105.4  | 102.0  |
| 77.5° | 74.6   | 79.7   | 74.6   | 69.4   |
| 80°   | 57.7   | 61.2   | 56.1   | 51.0   |
| 82.5° | 41.3   | 43.8   | 39.7   | 35.6   |
| 85°   | 20.8   | 21.6   | 19.4   | 17.3   |
| 87.5° | 5.6    | 6.7    | 5.6    | 4.6    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |



TEST NUMBER: P1428326  
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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 | 20.53            | 22.04 | 20.90 | 22.35 | 22.66 | 16.78          | 18.28 | 17.15 | 18.60 | 18.91 |
|                 | 3H   | 21.88            | 23.23 | 22.26 | 23.56 | 23.92 | 18.10          | 19.44 | 18.47 | 19.77 | 20.13 |
|                 | 4H   | 22.32            | 23.58 | 22.72 | 23.93 | 24.31 | 18.63          | 19.89 | 19.03 | 20.24 | 20.62 |
|                 | 6H   | 22.53            | 23.69 | 22.94 | 24.06 | 24.45 | 18.97          | 20.13 | 19.38 | 20.50 | 20.89 |
|                 | 8H   | 22.59            | 23.70 | 23.01 | 24.09 | 24.49 | 19.10          | 20.21 | 19.53 | 20.60 | 21.00 |
|                 | 12H  | 22.61            | 23.67 | 23.04 | 24.05 | 24.48 | 19.15          | 20.21 | 19.58 | 20.59 | 21.02 |
| 4H              | 2H   | 20.74            | 22.00 | 21.14 | 22.35 | 22.73 | 17.66          | 18.93 | 18.06 | 19.28 | 19.65 |
|                 | 3H   | 22.33            | 23.38 | 22.74 | 23.78 | 24.18 | 19.17          | 20.21 | 19.58 | 20.61 | 21.01 |
|                 | 4H   | 22.90            | 23.84 | 23.34 | 24.26 | 24.70 | 19.77          | 20.71 | 20.20 | 21.12 | 21.56 |
|                 | 6H   | 23.25            | 24.06 | 23.71 | 24.51 | 24.97 | 20.19          | 21.00 | 20.64 | 21.44 | 21.90 |
|                 | 8H   | 23.35            | 24.11 | 23.81 | 24.56 | 25.02 | 20.35          | 21.11 | 20.81 | 21.55 | 22.02 |
|                 | 12H  | 23.40            | 24.08 | 23.88 | 24.56 | 25.03 | 20.42          | 21.10 | 20.90 | 21.58 | 22.05 |
| 8H              | 4H   | 22.99            | 23.75 | 23.45 | 24.19 | 24.66 | 20.16          | 20.92 | 20.62 | 21.36 | 21.83 |
|                 | 6H   | 23.43            | 24.06 | 23.93 | 24.55 | 25.03 | 20.67          | 21.30 | 21.17 | 21.79 | 22.27 |
|                 | 8H   | 23.60            | 24.17 | 24.12 | 24.68 | 25.16 | 20.89          | 21.46 | 21.41 | 21.97 | 22.45 |
|                 | 12H  | 23.71            | 24.20 | 24.22 | 24.70 | 25.26 | 21.00          | 21.50 | 21.51 | 21.99 | 22.56 |
| 12H             | 4H   | 22.97            | 23.65 | 23.46 | 24.13 | 24.60 | 20.20          | 20.88 | 20.69 | 21.36 | 21.83 |
|                 | 6H   | 23.42            | 23.99 | 23.94 | 24.50 | 24.99 | 20.75          | 21.31 | 21.26 | 21.82 | 22.31 |
|                 | 8H   | 23.64            | 24.14 | 24.15 | 24.63 | 25.20 | 21.02          | 21.52 | 21.53 | 22.01 | 22.58 |