

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: P1428155

Luminaire Tested: SQ2W-PR1-0U-050D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428155  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-PR1-0U-050D-L830-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE RIPPLE LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 500 LUMENS PER FOOT  
UPLIGHT N/A - DIRECT ONLY  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

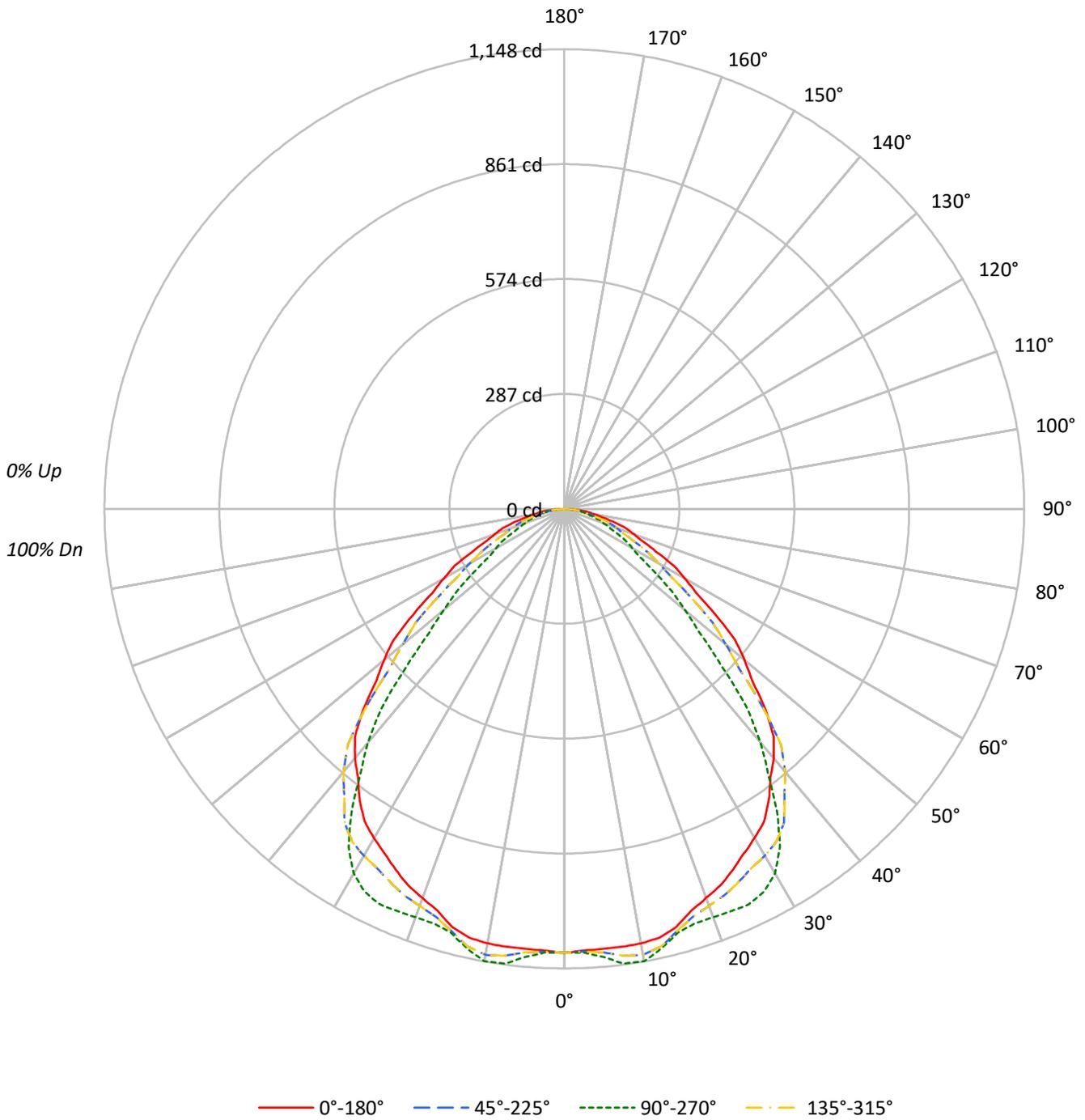
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2668.4 lumens  
Efficiency: N/A  
Efficacy: 149.9 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.34 / 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<sub>in</sub>): 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: P1428155

CATALOG NUMBER: SQ2W-PR1-0U-050D-L830-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1428155

CATALOG NUMBER: SQ2W-PR1-0U-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  | 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 | 101 | 97  | 100 | 97  | 94  | 96  | 94  | 92  | 92  | 90  | 89  | 87  |    |    |    | 87  |
| 2   | 101 | 94  | 88  | 83  | 99  | 92  | 87  | 82  | 89  | 84  | 80  | 86  | 82  | 78  | 83  | 80  | 77  | 75  |    |    |    | 75  |
| 3   | 93  | 84  | 77  | 71  | 91  | 82  | 76  | 70  | 80  | 74  | 69  | 77  | 72  | 68  | 74  | 70  | 67  | 65  |    |    |    | 65  |
| 4   | 86  | 75  | 67  | 61  | 84  | 74  | 66  | 61  | 72  | 65  | 60  | 69  | 64  | 59  | 67  | 62  | 58  | 56  |    |    |    | 56  |
| 5   | 80  | 68  | 60  | 53  | 78  | 67  | 59  | 53  | 65  | 58  | 53  | 63  | 57  | 52  | 61  | 56  | 52  | 50  |    |    |    | 50  |
| 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  | 47  | 42  | 54  | 47  | 42  | 52  | 46  | 41  | 51  | 45  | 41  | 39  |    |    |    | 39  |
| 8   | 64  | 51  | 43  | 38  | 63  | 51  | 43  | 38  | 49  | 42  | 37  | 48  | 42  | 37  | 47  | 41  | 37  | 35  |    |    |    | 35  |
| 9   | 60  | 47  | 39  | 34  | 59  | 47  | 39  | 34  | 46  | 39  | 34  | 45  | 38  | 34  | 44  | 38  | 34  | 32  |    |    |    | 32  |
| 10  | 56  | 44  | 36  | 31  | 55  | 43  | 36  | 31  | 42  | 36  | 31  | 41  | 35  | 31  | 40  | 35  | 31  | 29  |    |    |    | 29  |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 17909 | 17909 | 17909 | 17909 |
| 5°  | 17885 | 18215 | 17885 | 18215 |
| 10° | 18073 | 18814 | 18073 | 18814 |
| 15° | 18067 | 18313 | 18067 | 18313 |
| 20° | 17775 | 18649 | 17775 | 18649 |
| 25° | 17726 | 19416 | 17726 | 19416 |
| 30° | 17706 | 19603 | 17706 | 19603 |
| 35° | 17538 | 18252 | 17538 | 18252 |
| 40° | 17133 | 16062 | 17133 | 16062 |
| 45° | 16212 | 12702 | 16212 | 12702 |
| 50° | 14739 | 9854  | 14739 | 9854  |
| 55° | 12954 | 7671  | 12954 | 7671  |
| 60° | 11208 | 6316  | 11208 | 6316  |
| 65° | 9677  | 5528  | 9677  | 5528  |
| 70° | 8700  | 4909  | 8700  | 4909  |
| 75° | 7972  | 4516  | 7972  | 4516  |
| 80° | 6936  | 4416  | 6936  | 4416  |
| 85° | 5020  | 2093  | 5020  | 2093  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 17406 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 107.1  | 4.0       |
| 10°-20°   | 310.1  | 11.6      |
| 20°-30°   | 479.3  | 18.0      |
| 30°-40°   | 576.4  | 21.6      |
| 40°-50°   | 517.6  | 19.4      |
| 50°-60°   | 346.8  | 13.0      |
| 60°-70°   | 201.8  | 7.6       |
| 70°-80°   | 103.6  | 3.9       |
| 80°-90°   | 25.6   | 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°    | 896.5  | 33.6      |
| 0°-40°    | 1473.0 | 55.2      |
| 0°-60°    | 2337.5 | 87.6      |
| 0°-90°    | 2668.4 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2668.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1109 | 1109 | 1109 | 1109 | 1109 |      |
| 5°  | 1104 | 1124 | 1104 | 1124 | 1104 | 105  |
| 15° | 1081 | 1096 | 1081 | 1096 | 1081 | 304  |
| 25° | 995  | 1090 | 995  | 1090 | 995  | 459  |
| 35° | 890  | 926  | 890  | 926  | 890  | 555  |
| 45° | 710  | 556  | 710  | 556  | 710  | 543  |
| 55° | 460  | 272  | 460  | 272  | 460  | 414  |
| 65° | 253  | 145  | 253  | 145  | 253  | 256  |
| 75° | 128  | 72   | 128  | 72   | 128  | 136  |
| 85° | 27   | 11   | 27   | 11   | 27   | 35   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |



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CATALOG NUMBER: SQ2W-PR1-0U-050D-L830-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 10°    | 20°    | 30°    | 40°    | 50°    | 60°    | 70°    | 80°    | 90°    | 100°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 |
| 2.5°  | 1104.6 | 1110.7 | 1116.7 | 1114.0 | 1108.4 | 1105.8 | 1106.2 | 1106.8 | 1108.0 | 1109.2 | 1108.0 |
| 5°    | 1103.5 | 1112.1 | 1120.6 | 1118.6 | 1113.1 | 1110.8 | 1111.8 | 1113.8 | 1118.8 | 1123.9 | 1118.8 |
| 7.5°  | 1103.3 | 1115.5 | 1127.6 | 1128.5 | 1125.7 | 1125.8 | 1128.7 | 1132.5 | 1139.2 | 1145.8 | 1139.2 |
| 10°   | 1102.4 | 1117.0 | 1131.5 | 1133.7 | 1131.7 | 1130.9 | 1131.4 | 1133.5 | 1140.6 | 1147.6 | 1140.6 |
| 12.5° | 1097.0 | 1113.9 | 1130.9 | 1129.1 | 1121.1 | 1116.7 | 1116.0 | 1116.5 | 1120.3 | 1124.1 | 1120.3 |
| 15°   | 1080.9 | 1101.0 | 1121.1 | 1112.9 | 1095.4 | 1087.3 | 1088.8 | 1090.6 | 1093.1 | 1095.6 | 1093.1 |
| 17.5° | 1052.6 | 1073.6 | 1094.6 | 1087.3 | 1070.5 | 1064.8 | 1070.3 | 1075.6 | 1080.5 | 1085.4 | 1080.5 |
| 20°   | 1034.5 | 1055.2 | 1075.8 | 1070.7 | 1057.2 | 1053.9 | 1060.9 | 1068.3 | 1076.9 | 1085.4 | 1076.9 |
| 22.5° | 1018.3 | 1038.9 | 1059.5 | 1056.3 | 1045.1 | 1044.4 | 1054.3 | 1064.6 | 1076.4 | 1088.1 | 1076.4 |
| 25°   | 995.0  | 1013.1 | 1031.2 | 1031.5 | 1026.0 | 1031.5 | 1048.1 | 1063.8 | 1076.9 | 1089.9 | 1076.9 |
| 27.5° | 970.6  | 981.2  | 991.9  | 998.9  | 1004.7 | 1018.8 | 1041.3 | 1060.4 | 1069.5 | 1078.6 | 1069.5 |
| 30°   | 949.7  | 956.8  | 963.8  | 976.9  | 992.0  | 1009.3 | 1028.9 | 1044.5 | 1048.0 | 1051.5 | 1048.0 |
| 32.5° | 927.1  | 931.4  | 935.6  | 954.0  | 977.1  | 993.8  | 1004.2 | 1010.8 | 1006.3 | 1001.8 | 1006.3 |
| 35°   | 889.8  | 893.3  | 896.9  | 920.4  | 950.5  | 961.6  | 953.5  | 945.1  | 935.6  | 926.0  | 935.6  |
| 37.5° | 845.5  | 852.7  | 860.0  | 879.1  | 902.2  | 902.0  | 878.5  | 858.1  | 847.2  | 836.2  | 847.2  |
| 40°   | 812.9  | 825.0  | 837.1  | 849.9  | 862.9  | 851.9  | 816.7  | 787.2  | 774.6  | 762.1  | 774.6  |
| 42.5° | 773.1  | 792.4  | 811.7  | 814.6  | 812.0  | 788.3  | 743.4  | 706.0  | 690.6  | 675.2  | 690.6  |
| 45°   | 710.0  | 736.2  | 762.3  | 747.4  | 718.7  | 680.0  | 631.3  | 590.5  | 573.4  | 556.3  | 573.4  |
| 47.5° | 635.7  | 662.5  | 689.3  | 661.1  | 614.6  | 569.6  | 526.1  | 489.4  | 473.4  | 457.5  | 473.4  |
| 50°   | 586.8  | 608.4  | 630.0  | 598.1  | 548.4  | 503.1  | 462.4  | 427.5  | 409.9  | 392.3  | 409.9  |
| 52.5° | 537.1  | 552.6  | 568.2  | 536.6  | 489.3  | 445.3  | 404.5  | 370.0  | 354.0  | 338.1  | 354.0  |
| 55°   | 460.2  | 468.2  | 476.3  | 447.0  | 405.3  | 365.1  | 326.4  | 294.6  | 283.5  | 272.5  | 283.5  |
| 57.5° | 389.6  | 394.7  | 399.9  | 372.1  | 333.4  | 297.7  | 264.8  | 238.1  | 230.0  | 221.8  | 230.0  |
| 60°   | 347.1  | 350.6  | 354.1  | 326.0  | 287.3  | 255.2  | 229.5  | 208.7  | 202.1  | 195.6  | 202.1  |
| 62.5° | 308.2  | 310.9  | 313.6  | 286.5  | 249.4  | 220.7  | 200.3  | 183.7  | 178.8  | 173.9  | 178.8  |
| 65°   | 253.3  | 255.8  | 258.3  | 235.2  | 203.5  | 179.9  | 164.3  | 151.8  | 148.2  | 144.7  | 148.2  |
| 67.5° | 209.6  | 210.9  | 212.2  | 193.2  | 167.4  | 148.3  | 136.1  | 126.0  | 122.7  | 119.4  | 122.7  |
| 70°   | 184.3  | 184.8  | 185.3  | 168.5  | 145.9  | 129.0  | 118.0  | 109.0  | 106.5  | 104.0  | 106.5  |
| 72.5° | 161.7  | 161.0  | 160.3  | 145.3  | 125.5  | 111.0  | 102.0  | 94.8   | 93.1   | 91.4   | 93.1   |
| 75°   | 127.8  | 126.3  | 124.7  | 112.3  | 96.2   | 85.2   | 79.1   | 74.4   | 73.4   | 72.4   | 73.4   |
| 77.5° | 95.4   | 93.8   | 92.2   | 81.9   | 68.6   | 61.0   | 58.9   | 57.4   | 57.4   | 57.4   | 57.4   |
| 80°   | 74.6   | 72.6   | 70.6   | 62.6   | 52.5   | 47.5   | 47.5   | 47.5   | 47.5   | 47.5   | 47.5   |
| 82.5° | 55.6   | 52.8   | 50.0   | 45.1   | 39.4   | 36.6   | 36.6   | 36.5   | 36.1   | 35.7   | 36.1   |
| 85°   | 27.1   | 24.6   | 22.1   | 21.5   | 21.5   | 20.0   | 17.0   | 14.3   | 12.8   | 11.3   | 12.8   |
| 87.5° | 7.2    | 7.2    | 7.2    | 5.7    | 3.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    |
| 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°    | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 |
| 2.5°  | 1106.8 | 1106.2 | 1105.8 | 1108.4 | 1114.0 | 1116.7 | 1110.7 | 1104.6 | 1110.7 | 1116.7 | 1114.0 |
| 5°    | 1113.8 | 1111.8 | 1110.8 | 1113.1 | 1118.6 | 1120.6 | 1112.1 | 1103.5 | 1112.1 | 1120.6 | 1118.6 |
| 7.5°  | 1132.5 | 1128.7 | 1125.8 | 1125.7 | 1128.5 | 1127.6 | 1115.5 | 1103.3 | 1115.5 | 1127.6 | 1128.5 |
| 10°   | 1133.5 | 1131.4 | 1130.9 | 1131.7 | 1133.7 | 1131.5 | 1117.0 | 1102.4 | 1117.0 | 1131.5 | 1133.7 |
| 12.5° | 1116.5 | 1116.0 | 1116.7 | 1121.1 | 1129.1 | 1130.9 | 1113.9 | 1097.0 | 1113.9 | 1130.9 | 1129.1 |
| 15°   | 1090.6 | 1088.8 | 1087.3 | 1095.4 | 1112.9 | 1121.1 | 1101.0 | 1080.9 | 1101.0 | 1121.1 | 1112.9 |
| 17.5° | 1075.6 | 1070.3 | 1064.8 | 1070.5 | 1087.3 | 1094.6 | 1073.6 | 1052.6 | 1073.6 | 1094.6 | 1087.3 |
| 20°   | 1068.3 | 1060.9 | 1053.9 | 1057.2 | 1070.7 | 1075.8 | 1055.2 | 1034.5 | 1055.2 | 1075.8 | 1070.7 |
| 22.5° | 1064.6 | 1054.3 | 1044.4 | 1045.1 | 1056.3 | 1059.5 | 1038.9 | 1018.3 | 1038.9 | 1059.5 | 1056.3 |
| 25°   | 1063.8 | 1048.1 | 1031.5 | 1026.0 | 1031.5 | 1031.2 | 1013.1 | 995.0  | 1013.1 | 1031.2 | 1031.5 |
| 27.5° | 1060.4 | 1041.3 | 1018.8 | 1004.7 | 998.9  | 991.9  | 981.2  | 970.6  | 981.2  | 991.9  | 998.9  |
| 30°   | 1044.5 | 1028.9 | 1009.3 | 992.0  | 976.9  | 963.8  | 956.8  | 949.7  | 956.8  | 963.8  | 976.9  |
| 32.5° | 1010.8 | 1004.2 | 993.8  | 977.1  | 954.0  | 935.6  | 931.4  | 927.1  | 931.4  | 935.6  | 954.0  |
| 35°   | 945.1  | 953.5  | 961.6  | 950.5  | 920.4  | 896.9  | 893.3  | 889.8  | 893.3  | 896.9  | 920.4  |
| 37.5° | 858.1  | 878.5  | 902.0  | 902.2  | 879.1  | 860.0  | 852.7  | 845.5  | 852.7  | 860.0  | 879.1  |
| 40°   | 787.2  | 816.7  | 851.9  | 862.9  | 849.9  | 837.1  | 825.0  | 812.9  | 825.0  | 837.1  | 849.9  |
| 42.5° | 706.0  | 743.4  | 788.3  | 812.0  | 814.6  | 811.7  | 792.4  | 773.1  | 792.4  | 811.7  | 814.6  |
| 45°   | 590.5  | 631.3  | 680.0  | 718.7  | 747.4  | 762.3  | 736.2  | 710.0  | 736.2  | 762.3  | 747.4  |
| 47.5° | 489.4  | 526.1  | 569.6  | 614.6  | 661.1  | 689.3  | 662.5  | 635.7  | 662.5  | 689.3  | 661.1  |
| 50°   | 427.5  | 462.4  | 503.1  | 548.4  | 598.1  | 630.0  | 608.4  | 586.8  | 608.4  | 630.0  | 598.1  |
| 52.5° | 370.0  | 404.5  | 445.3  | 489.3  | 536.6  | 568.2  | 552.6  | 537.1  | 552.6  | 568.2  | 536.6  |
| 55°   | 294.6  | 326.4  | 365.1  | 405.3  | 447.0  | 476.3  | 468.2  | 460.2  | 468.2  | 476.3  | 447.0  |
| 57.5° | 238.1  | 264.8  | 297.7  | 333.4  | 372.1  | 399.9  | 394.7  | 389.6  | 394.7  | 399.9  | 372.1  |
| 60°   | 208.7  | 229.5  | 255.2  | 287.3  | 326.0  | 354.1  | 350.6  | 347.1  | 350.6  | 354.1  | 326.0  |
| 62.5° | 183.7  | 200.3  | 220.7  | 249.4  | 286.5  | 313.6  | 310.9  | 308.2  | 310.9  | 313.6  | 286.5  |
| 65°   | 151.8  | 164.3  | 179.9  | 203.5  | 235.2  | 258.3  | 255.8  | 253.3  | 255.8  | 258.3  | 235.2  |
| 67.5° | 126.0  | 136.1  | 148.3  | 167.4  | 193.2  | 212.2  | 210.9  | 209.6  | 210.9  | 212.2  | 193.2  |
| 70°   | 109.0  | 118.0  | 129.0  | 145.9  | 168.5  | 185.3  | 184.8  | 184.3  | 184.8  | 185.3  | 168.5  |
| 72.5° | 94.8   | 102.0  | 111.0  | 125.5  | 145.3  | 160.3  | 161.0  | 161.7  | 161.0  | 160.3  | 145.3  |
| 75°   | 74.4   | 79.1   | 85.2   | 96.2   | 112.3  | 124.7  | 126.3  | 127.8  | 126.3  | 124.7  | 112.3  |
| 77.5° | 57.4   | 58.9   | 61.0   | 68.6   | 81.9   | 92.2   | 93.8   | 95.4   | 93.8   | 92.2   | 81.9   |
| 80°   | 47.5   | 47.5   | 47.5   | 52.5   | 62.6   | 70.6   | 72.6   | 74.6   | 72.6   | 70.6   | 62.6   |
| 82.5° | 36.5   | 36.6   | 36.6   | 39.4   | 45.1   | 50.0   | 52.8   | 55.6   | 52.8   | 50.0   | 45.1   |
| 85°   | 14.3   | 17.0   | 20.0   | 21.5   | 21.5   | 22.1   | 24.6   | 27.1   | 24.6   | 22.1   | 21.5   |
| 87.5° | 2.7    | 2.7    | 2.7    | 3.7    | 5.7    | 7.2    | 7.2    | 7.2    | 7.2    | 7.2    | 5.7    |
| 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: P1428155

CATALOG NUMBER: SQ2W-PR1-0U-050D-L830-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|       | 220°   | 230°   | 240°   | 250°   | 260°   | 270°   | 280°   | 290°   | 300°   | 310°   | 320°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 | 1109.2 |
| 2.5°  | 1108.4 | 1105.8 | 1106.2 | 1106.8 | 1108.0 | 1109.2 | 1108.0 | 1106.8 | 1106.2 | 1105.8 | 1108.4 |
| 5°    | 1113.1 | 1110.8 | 1111.8 | 1113.8 | 1118.8 | 1123.9 | 1118.8 | 1113.8 | 1111.8 | 1110.8 | 1113.1 |
| 7.5°  | 1125.7 | 1125.8 | 1128.7 | 1132.5 | 1139.2 | 1145.8 | 1139.2 | 1132.5 | 1128.7 | 1125.8 | 1125.7 |
| 10°   | 1131.7 | 1130.9 | 1131.4 | 1133.5 | 1140.6 | 1147.6 | 1140.6 | 1133.5 | 1131.4 | 1130.9 | 1131.7 |
| 12.5° | 1121.1 | 1116.7 | 1116.0 | 1116.5 | 1120.3 | 1124.1 | 1120.3 | 1116.5 | 1116.0 | 1116.7 | 1121.1 |
| 15°   | 1095.4 | 1087.3 | 1088.8 | 1090.6 | 1093.1 | 1095.6 | 1093.1 | 1090.6 | 1088.8 | 1087.3 | 1095.4 |
| 17.5° | 1070.5 | 1064.8 | 1070.3 | 1075.6 | 1080.5 | 1085.4 | 1080.5 | 1075.6 | 1070.3 | 1064.8 | 1070.5 |
| 20°   | 1057.2 | 1053.9 | 1060.9 | 1068.3 | 1076.9 | 1085.4 | 1076.9 | 1068.3 | 1060.9 | 1053.9 | 1057.2 |
| 22.5° | 1045.1 | 1044.4 | 1054.3 | 1064.6 | 1076.4 | 1088.1 | 1076.4 | 1064.6 | 1054.3 | 1044.4 | 1045.1 |
| 25°   | 1026.0 | 1031.5 | 1048.1 | 1063.8 | 1076.9 | 1089.9 | 1076.9 | 1063.8 | 1048.1 | 1031.5 | 1026.0 |
| 27.5° | 1004.7 | 1018.8 | 1041.3 | 1060.4 | 1069.5 | 1078.6 | 1069.5 | 1060.4 | 1041.3 | 1018.8 | 1004.7 |
| 30°   | 992.0  | 1009.3 | 1028.9 | 1044.5 | 1048.0 | 1051.5 | 1048.0 | 1044.5 | 1028.9 | 1009.3 | 992.0  |
| 32.5° | 977.1  | 993.8  | 1004.2 | 1010.8 | 1006.3 | 1001.8 | 1006.3 | 1010.8 | 1004.2 | 993.8  | 977.1  |
| 35°   | 950.5  | 961.6  | 953.5  | 945.1  | 935.6  | 926.0  | 935.6  | 945.1  | 953.5  | 961.6  | 950.5  |
| 37.5° | 902.2  | 902.0  | 878.5  | 858.1  | 847.2  | 836.2  | 847.2  | 858.1  | 878.5  | 902.0  | 902.2  |
| 40°   | 862.9  | 851.9  | 816.7  | 787.2  | 774.6  | 762.1  | 774.6  | 787.2  | 816.7  | 851.9  | 862.9  |
| 42.5° | 812.0  | 788.3  | 743.4  | 706.0  | 690.6  | 675.2  | 690.6  | 706.0  | 743.4  | 788.3  | 812.0  |
| 45°   | 718.7  | 680.0  | 631.3  | 590.5  | 573.4  | 556.3  | 573.4  | 590.5  | 631.3  | 680.0  | 718.7  |
| 47.5° | 614.6  | 569.6  | 526.1  | 489.4  | 473.4  | 457.5  | 473.4  | 489.4  | 526.1  | 569.6  | 614.6  |
| 50°   | 548.4  | 503.1  | 462.4  | 427.5  | 409.9  | 392.3  | 409.9  | 427.5  | 462.4  | 503.1  | 548.4  |
| 52.5° | 489.3  | 445.3  | 404.5  | 370.0  | 354.0  | 338.1  | 354.0  | 370.0  | 404.5  | 445.3  | 489.3  |
| 55°   | 405.3  | 365.1  | 326.4  | 294.6  | 283.5  | 272.5  | 283.5  | 294.6  | 326.4  | 365.1  | 405.3  |
| 57.5° | 333.4  | 297.7  | 264.8  | 238.1  | 230.0  | 221.8  | 230.0  | 238.1  | 264.8  | 297.7  | 333.4  |
| 60°   | 287.3  | 255.2  | 229.5  | 208.7  | 202.1  | 195.6  | 202.1  | 208.7  | 229.5  | 255.2  | 287.3  |
| 62.5° | 249.4  | 220.7  | 200.3  | 183.7  | 178.8  | 173.9  | 178.8  | 183.7  | 200.3  | 220.7  | 249.4  |
| 65°   | 203.5  | 179.9  | 164.3  | 151.8  | 148.2  | 144.7  | 148.2  | 151.8  | 164.3  | 179.9  | 203.5  |
| 67.5° | 167.4  | 148.3  | 136.1  | 126.0  | 122.7  | 119.4  | 122.7  | 126.0  | 136.1  | 148.3  | 167.4  |
| 70°   | 145.9  | 129.0  | 118.0  | 109.0  | 106.5  | 104.0  | 106.5  | 109.0  | 118.0  | 129.0  | 145.9  |
| 72.5° | 125.5  | 111.0  | 102.0  | 94.8   | 93.1   | 91.4   | 93.1   | 94.8   | 102.0  | 111.0  | 125.5  |
| 75°   | 96.2   | 85.2   | 79.1   | 74.4   | 73.4   | 72.4   | 73.4   | 74.4   | 79.1   | 85.2   | 96.2   |
| 77.5° | 68.6   | 61.0   | 58.9   | 57.4   | 57.4   | 57.4   | 57.4   | 57.4   | 58.9   | 61.0   | 68.6   |
| 80°   | 52.5   | 47.5   | 47.5   | 47.5   | 47.5   | 47.5   | 47.5   | 47.5   | 47.5   | 47.5   | 52.5   |
| 82.5° | 39.4   | 36.6   | 36.6   | 36.5   | 36.1   | 35.7   | 36.1   | 36.5   | 36.6   | 36.6   | 39.4   |
| 85°   | 21.5   | 20.0   | 17.0   | 14.3   | 12.8   | 11.3   | 12.8   | 14.3   | 17.0   | 20.0   | 21.5   |
| 87.5° | 3.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 3.7    |
| 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: P1428155

CATALOG NUMBER: SQ2W-PR1-0U-050D-L830-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|       | 330°   | 340°   | 350°   | 360°   |
|-------|--------|--------|--------|--------|
| 0°    | 1109.2 | 1109.2 | 1109.2 | 1109.2 |
| 2.5°  | 1114.0 | 1116.7 | 1110.7 | 1104.6 |
| 5°    | 1118.6 | 1120.6 | 1112.1 | 1103.5 |
| 7.5°  | 1128.5 | 1127.6 | 1115.5 | 1103.3 |
| 10°   | 1133.7 | 1131.5 | 1117.0 | 1102.4 |
| 12.5° | 1129.1 | 1130.9 | 1113.9 | 1097.0 |
| 15°   | 1112.9 | 1121.1 | 1101.0 | 1080.9 |
| 17.5° | 1087.3 | 1094.6 | 1073.6 | 1052.6 |
| 20°   | 1070.7 | 1075.8 | 1055.2 | 1034.5 |
| 22.5° | 1056.3 | 1059.5 | 1038.9 | 1018.3 |
| 25°   | 1031.5 | 1031.2 | 1013.1 | 995.0  |
| 27.5° | 998.9  | 991.9  | 981.2  | 970.6  |
| 30°   | 976.9  | 963.8  | 956.8  | 949.7  |
| 32.5° | 954.0  | 935.6  | 931.4  | 927.1  |
| 35°   | 920.4  | 896.9  | 893.3  | 889.8  |
| 37.5° | 879.1  | 860.0  | 852.7  | 845.5  |
| 40°   | 849.9  | 837.1  | 825.0  | 812.9  |
| 42.5° | 814.6  | 811.7  | 792.4  | 773.1  |
| 45°   | 747.4  | 762.3  | 736.2  | 710.0  |
| 47.5° | 661.1  | 689.3  | 662.5  | 635.7  |
| 50°   | 598.1  | 630.0  | 608.4  | 586.8  |
| 52.5° | 536.6  | 568.2  | 552.6  | 537.1  |
| 55°   | 447.0  | 476.3  | 468.2  | 460.2  |
| 57.5° | 372.1  | 399.9  | 394.7  | 389.6  |
| 60°   | 326.0  | 354.1  | 350.6  | 347.1  |
| 62.5° | 286.5  | 313.6  | 310.9  | 308.2  |
| 65°   | 235.2  | 258.3  | 255.8  | 253.3  |
| 67.5° | 193.2  | 212.2  | 210.9  | 209.6  |
| 70°   | 168.5  | 185.3  | 184.8  | 184.3  |
| 72.5° | 145.3  | 160.3  | 161.0  | 161.7  |
| 75°   | 112.3  | 124.7  | 126.3  | 127.8  |
| 77.5° | 81.9   | 92.2   | 93.8   | 95.4   |
| 80°   | 62.6   | 70.6   | 72.6   | 74.6   |
| 82.5° | 45.1   | 50.0   | 52.8   | 55.6   |
| 85°   | 21.5   | 22.1   | 24.6   | 27.1   |
| 87.5° | 5.7    | 7.2    | 7.2    | 7.2    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |



TEST NUMBER: P1428155  
 CATALOG NUMBER: SQ2W-PR1-0U-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 | 20.62            | 22.12 | 20.99 | 22.43 | 22.75 | 16.99          | 18.49 | 17.36 | 18.80 | 19.12 |
|                 | 3H   | 21.88            | 23.21 | 22.25 | 23.54 | 23.90 | 18.20          | 19.54 | 18.58 | 19.87 | 20.23 |
|                 | 4H   | 22.39            | 23.64 | 22.79 | 23.99 | 24.37 | 18.69          | 19.94 | 19.09 | 20.29 | 20.67 |
|                 | 6H   | 22.72            | 23.87 | 23.13 | 24.24 | 24.63 | 19.06          | 20.22 | 19.48 | 20.59 | 20.98 |
|                 | 8H   | 22.84            | 23.94 | 23.26 | 24.33 | 24.73 | 19.22          | 20.32 | 19.65 | 20.71 | 21.11 |
|                 | 12H  | 22.90            | 23.95 | 23.33 | 24.33 | 24.76 | 19.27          | 20.32 | 19.70 | 20.70 | 21.13 |
| 4H              | 2H   | 20.80            | 22.05 | 21.20 | 22.40 | 22.78 | 17.78          | 19.03 | 18.18 | 19.38 | 19.76 |
|                 | 3H   | 22.32            | 23.35 | 22.73 | 23.75 | 24.15 | 19.19          | 20.22 | 19.60 | 20.62 | 21.02 |
|                 | 4H   | 22.97            | 23.90 | 23.40 | 24.31 | 24.75 | 19.76          | 20.69 | 20.19 | 21.10 | 21.54 |
|                 | 6H   | 23.43            | 24.24 | 23.89 | 24.68 | 25.14 | 20.22          | 21.03 | 20.68 | 21.47 | 21.93 |
|                 | 8H   | 23.60            | 24.35 | 24.07 | 24.80 | 25.27 | 20.42          | 21.17 | 20.88 | 21.61 | 22.08 |
|                 | 12H  | 23.69            | 24.37 | 24.18 | 24.85 | 25.32 | 20.49          | 21.16 | 20.97 | 21.64 | 22.11 |
| 8H              | 4H   | 23.04            | 23.79 | 23.50 | 24.24 | 24.70 | 20.13          | 20.88 | 20.59 | 21.33 | 21.79 |
|                 | 6H   | 23.59            | 24.21 | 24.09 | 24.70 | 25.18 | 20.69          | 21.31 | 21.19 | 21.80 | 22.28 |
|                 | 8H   | 23.82            | 24.38 | 24.34 | 24.89 | 25.38 | 20.95          | 21.51 | 21.46 | 22.02 | 22.51 |
|                 | 12H  | 23.97            | 24.46 | 24.48 | 24.96 | 25.52 | 21.07          | 21.56 | 21.58 | 22.06 | 22.62 |
| 12H             | 4H   | 23.02            | 23.70 | 23.51 | 24.17 | 24.65 | 20.17          | 20.85 | 20.66 | 21.33 | 21.80 |
|                 | 6H   | 23.58            | 24.14 | 24.09 | 24.65 | 25.14 | 20.76          | 21.32 | 21.27 | 21.83 | 22.32 |
|                 | 8H   | 23.86            | 24.35 | 24.37 | 24.84 | 25.41 | 21.07          | 21.57 | 21.58 | 22.06 | 22.63 |