

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: P1428413

Luminaire Tested: SQ2W-PW1-K-075U-125D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428413  
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-075U-125D-L830-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 750 LUMENS PER FOOT  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

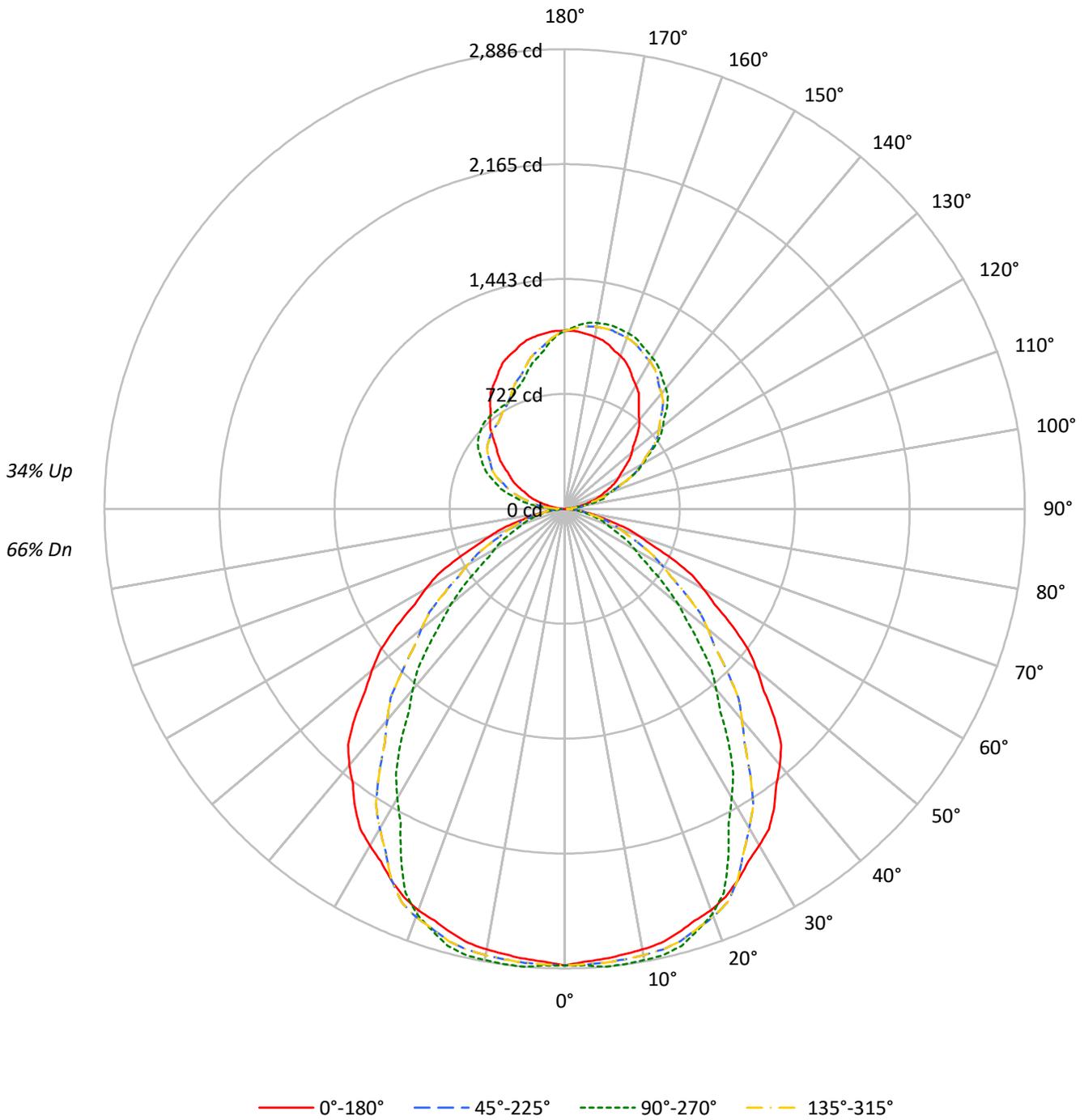
Lumens per Lamp: N/A  
Luminaire Lumens: 9631.5 lumens  
Efficiency: N/A  
Efficacy: 132.3 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 72.8  
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: P1428413

CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L830-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1428413

CATALOG NUMBER: SQ2W-PW1-K-075U-125D-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   | 111 | 111 | 111 | 111 | 104 | 104 | 104 | 104 | 92 | 92 | 92 | 81 | 81 | 81 | 71 | 71 | 71 | 66 |    |    |    |   |
| 1   | 102 | 98  | 94  | 91  | 96  | 93  | 89  | 86  | 82 | 80 | 78 | 73 | 71 | 69 | 64 | 63 | 61 | 57 |    |    |    |   |
| 2   | 94  | 87  | 81  | 76  | 88  | 82  | 77  | 72  | 73 | 69 | 65 | 65 | 62 | 59 | 57 | 55 | 53 | 49 |    |    |    |   |
| 3   | 86  | 77  | 70  | 64  | 81  | 73  | 66  | 61  | 65 | 60 | 56 | 58 | 54 | 51 | 51 | 48 | 46 | 42 |    |    |    |   |
| 4   | 79  | 68  | 61  | 55  | 74  | 65  | 58  | 53  | 58 | 53 | 48 | 52 | 48 | 44 | 46 | 43 | 40 | 37 |    |    |    |   |
| 5   | 73  | 61  | 53  | 48  | 69  | 58  | 51  | 46  | 53 | 47 | 42 | 47 | 42 | 39 | 42 | 38 | 35 | 33 |    |    |    |   |
| 6   | 67  | 55  | 47  | 42  | 63  | 53  | 46  | 40  | 48 | 42 | 37 | 43 | 38 | 34 | 38 | 35 | 32 | 29 |    |    |    |   |
| 7   | 63  | 50  | 43  | 37  | 59  | 48  | 41  | 36  | 43 | 38 | 33 | 39 | 34 | 31 | 35 | 31 | 28 | 26 |    |    |    |   |
| 8   | 58  | 46  | 38  | 33  | 55  | 44  | 37  | 32  | 40 | 34 | 30 | 36 | 31 | 28 | 33 | 29 | 26 | 23 |    |    |    |   |
| 9   | 54  | 42  | 35  | 30  | 51  | 40  | 33  | 29  | 37 | 31 | 27 | 33 | 29 | 25 | 30 | 26 | 23 | 21 |    |    |    |   |
| 10  | 51  | 39  | 32  | 27  | 48  | 37  | 31  | 26  | 34 | 28 | 24 | 31 | 26 | 23 | 28 | 24 | 21 | 19 |    |    |    |   |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 46291 | 46291 | 46291 | 46291 |
| 5°  | 45982 | 46777 | 45982 | 46777 |
| 10° | 46066 | 47184 | 46066 | 47184 |
| 15° | 46052 | 47468 | 46052 | 47468 |
| 20° | 46071 | 46540 | 46071 | 46540 |
| 25° | 45823 | 43245 | 45823 | 43245 |
| 30° | 45510 | 39097 | 45510 | 39097 |
| 35° | 45156 | 35307 | 45156 | 35307 |
| 40° | 44256 | 31193 | 44256 | 31193 |
| 45° | 42522 | 27247 | 42522 | 27247 |
| 50° | 39573 | 23320 | 39573 | 23320 |
| 55° | 36202 | 18908 | 36202 | 18908 |
| 60° | 32449 | 16313 | 32449 | 16313 |
| 65° | 28374 | 14498 | 28374 | 14498 |
| 70° | 23202 | 13147 | 23202 | 13147 |
| 75° | 18053 | 12096 | 18053 | 12096 |
| 80° | 13454 | 10665 | 13454 | 10665 |
| 85° | 9114  | 6076  | 9114  | 6076  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 42522 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 273.0  | 2.8       |
| 10°-20°   | 791.0  | 8.2       |
| 20°-30°   | 1164.1 | 12.1      |
| 30°-40°   | 1272.8 | 13.2      |
| 40°-50°   | 1141.8 | 11.9      |
| 50°-60°   | 851.7  | 8.8       |
| 60°-70°   | 538.3  | 5.6       |
| 70°-80°   | 266.7  | 2.8       |
| 80°-90°   | 67.1   | 0.7       |
| 90°-100°  | 89.0   | 0.9       |
| 100°-110° | 259.5  | 2.7       |
| 110°-120° | 423.5  | 4.4       |
| 120°-130° | 537.4  | 5.6       |
| 130°-140° | 575.1  | 6.0       |
| 140°-150° | 537.0  | 5.6       |
| 150°-160° | 441.9  | 4.6       |
| 160°-170° | 296.3  | 3.1       |
| 170°-180° | 105.2  | 1.1       |
| 0°-30°    | 2228.2 | 23.1      |
| 0°-40°    | 3501.0 | 36.3      |
| 0°-60°    | 5494.5 | 57.0      |
| 0°-90°    | 6366.6 | 66.1      |
| 90°-120°  | 772.0  | 8.0       |
| 90°-150°  | 2421.5 | 25.1      |
| 90°-180°  | 3265.0 | 33.9      |
| 0°-180°   | 9631.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 2867 | 2867 | 2867 | 2867 | 2867 |      |
| 5°   | 2837 | 2886 | 2837 | 2886 | 2837 | 270  |
| 15°  | 2755 | 2840 | 2755 | 2840 | 2755 | 778  |
| 25°  | 2572 | 2428 | 2572 | 2428 | 2572 | 1185 |
| 35°  | 2291 | 1791 | 2291 | 1791 | 2291 | 1429 |
| 45°  | 1862 | 1193 | 1862 | 1193 | 1862 | 1428 |
| 55°  | 1286 | 672  | 1286 | 672  | 1286 | 1148 |
| 65°  | 743  | 380  | 743  | 380  | 743  | 736  |
| 75°  | 289  | 194  | 289  | 194  | 289  | 319  |
| 85°  | 49   | 33   | 49   | 33   | 49   | 62   |
| 90°  | 3    | 25   | 3    | 49   | 3    | 5    |
| 95°  | 35   | 26   | 35   | 152  | 35   | 42   |
| 105° | 165  | 264  | 165  | 364  | 165  | 175  |
| 115° | 316  | 438  | 316  | 540  | 316  | 312  |
| 125° | 468  | 695  | 468  | 662  | 468  | 418  |
| 135° | 636  | 909  | 636  | 733  | 636  | 491  |
| 145° | 812  | 1048 | 812  | 749  | 812  | 508  |
| 155° | 965  | 1138 | 965  | 777  | 965  | 443  |
| 165° | 1066 | 1187 | 1066 | 894  | 1066 | 300  |
| 175° | 1115 | 1162 | 1115 | 1049 | 1115 | 106  |
| 180° | 1118 | 1118 | 1118 | 1118 | 1118 |      |



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CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L830-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 30°    | 40°    | 50°    | 60°    | 70°    | 80°    | 90°    | 100°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2867.1 | 2867.1 | 2867.1 | 2867.1 | 2867.1 | 2867.1 | 2867.1 | 2867.1 | 2867.1 | 2867.1 | 2867.1 |
| 2.5°   | 2847.4 | 2863.9 | 2880.5 | 2876.6 | 2865.9 | 2861.0 | 2862.0 | 2863.5 | 2866.4 | 2869.3 | 2866.4 |
| 5°     | 2837.1 | 2857.7 | 2878.3 | 2875.3 | 2864.4 | 2859.5 | 2860.7 | 2864.4 | 2875.3 | 2886.2 | 2875.3 |
| 7.5°   | 2822.9 | 2843.7 | 2864.6 | 2863.6 | 2855.4 | 2853.3 | 2857.5 | 2863.2 | 2873.9 | 2884.6 | 2873.9 |
| 10°    | 2809.8 | 2831.6 | 2853.5 | 2853.5 | 2846.2 | 2845.6 | 2851.6 | 2858.6 | 2868.3 | 2878.0 | 2868.3 |
| 12.5°  | 2792.3 | 2815.1 | 2837.9 | 2839.6 | 2834.3 | 2835.1 | 2842.2 | 2849.9 | 2859.6 | 2869.3 | 2859.6 |
| 15°    | 2755.1 | 2779.4 | 2803.7 | 2808.9 | 2807.6 | 2811.3 | 2819.8 | 2827.7 | 2833.7 | 2839.8 | 2833.7 |
| 17.5°  | 2712.0 | 2736.3 | 2760.6 | 2765.3 | 2763.6 | 2763.9 | 2766.1 | 2768.4 | 2771.4 | 2774.3 | 2771.4 |
| 20°    | 2681.4 | 2705.7 | 2730.0 | 2733.3 | 2729.7 | 2723.6 | 2715.1 | 2708.7 | 2708.7 | 2708.7 | 2708.7 |
| 22.5°  | 2637.7 | 2663.9 | 2690.2 | 2690.3 | 2681.8 | 2666.1 | 2643.0 | 2623.8 | 2616.0 | 2608.2 | 2616.0 |
| 25°    | 2572.2 | 2597.7 | 2623.2 | 2611.3 | 2587.1 | 2551.3 | 2503.9 | 2463.9 | 2445.7 | 2427.5 | 2445.7 |
| 27.5°  | 2495.7 | 2516.4 | 2537.0 | 2506.1 | 2458.1 | 2400.4 | 2333.2 | 2276.4 | 2251.2 | 2226.0 | 2251.2 |
| 30°    | 2441.1 | 2456.9 | 2472.7 | 2423.8 | 2353.5 | 2281.2 | 2207.2 | 2145.6 | 2121.4 | 2097.1 | 2121.4 |
| 32.5°  | 2384.3 | 2390.4 | 2396.5 | 2332.1 | 2244.2 | 2161.8 | 2084.9 | 2020.6 | 1994.4 | 1968.2 | 1994.4 |
| 35°    | 2291.0 | 2280.0 | 2269.1 | 2183.5 | 2073.1 | 1979.1 | 1901.4 | 1837.4 | 1814.3 | 1791.3 | 1814.3 |
| 37.5°  | 2180.6 | 2148.1 | 2115.6 | 2019.2 | 1901.5 | 1801.9 | 1720.6 | 1653.3 | 1627.8 | 1602.3 | 1627.8 |
| 40°    | 2099.8 | 2053.7 | 2007.6 | 1904.1 | 1781.5 | 1679.6 | 1598.3 | 1530.9 | 1505.5 | 1480.0 | 1505.5 |
| 42.5°  | 2010.2 | 1952.5 | 1894.7 | 1788.3 | 1665.8 | 1563.8 | 1482.5 | 1414.9 | 1388.5 | 1362.0 | 1388.5 |
| 45°    | 1862.3 | 1794.3 | 1726.3 | 1615.6 | 1490.6 | 1388.6 | 1309.8 | 1244.2 | 1218.7 | 1193.3 | 1218.7 |
| 47.5°  | 1695.7 | 1628.2 | 1560.7 | 1450.3 | 1325.5 | 1224.9 | 1148.5 | 1085.7 | 1063.8 | 1042.0 | 1063.8 |
| 50°    | 1575.5 | 1510.0 | 1444.5 | 1338.9 | 1220.0 | 1122.3 | 1045.8 | 981.8  | 955.1  | 928.4  | 955.1  |
| 52.5°  | 1453.2 | 1394.5 | 1335.7 | 1234.0 | 1118.0 | 1020.8 | 942.4  | 874.5  | 838.1  | 801.7  | 838.1  |
| 55°    | 1286.1 | 1230.3 | 1174.5 | 1078.6 | 969.4  | 871.1  | 783.7  | 713.0  | 692.4  | 671.7  | 692.4  |
| 57.5°  | 1114.1 | 1065.8 | 1017.5 | 931.3  | 832.5  | 743.4  | 664.1  | 600.3  | 583.3  | 566.3  | 583.3  |
| 60°    | 1004.9 | 962.4  | 919.9  | 837.4  | 741.5  | 660.2  | 593.4  | 539.1  | 522.1  | 505.2  | 522.1  |
| 62.5°  | 900.0  | 862.4  | 824.8  | 745.6  | 652.7  | 579.6  | 526.5  | 483.1  | 469.0  | 454.9  | 469.0  |
| 65°    | 742.7  | 714.8  | 686.9  | 621.7  | 544.0  | 483.3  | 439.6  | 403.8  | 391.7  | 379.5  | 391.7  |
| 67.5°  | 589.8  | 574.3  | 558.7  | 509.9  | 449.9  | 400.8  | 362.4  | 331.7  | 323.7  | 315.7  | 323.7  |
| 70°    | 491.5  | 486.6  | 481.8  | 441.4  | 389.3  | 347.4  | 315.8  | 290.7  | 284.6  | 278.5  | 284.6  |
| 72.5°  | 406.3  | 408.3  | 410.2  | 376.6  | 331.2  | 296.2  | 271.4  | 251.8  | 247.7  | 243.6  | 247.7  |
| 75°    | 289.4  | 299.1  | 308.9  | 286.7  | 253.9  | 229.1  | 212.1  | 198.7  | 196.3  | 193.9  | 196.3  |
| 77.5°  | 197.1  | 211.7  | 226.3  | 211.9  | 187.9  | 169.5  | 156.9  | 147.0  | 145.0  | 143.1  | 145.0  |
| 80°    | 144.7  | 159.3  | 173.8  | 163.8  | 145.6  | 131.7  | 122.0  | 114.7  | 114.7  | 114.7  | 114.7  |
| 82.5°  | 101.0  | 112.7  | 124.3  | 117.2  | 103.9  | 94.8   | 89.9   | 86.3   | 86.3   | 86.3   | 86.3   |
| 85°    | 49.2   | 55.2   | 61.3   | 59.2   | 54.3   | 48.2   | 41.0   | 35.2   | 34.0   | 32.8   | 34.0   |
| 87.5°  | 13.8   | 17.6   | 21.6   | 19.6   | 15.5   | 12.8   | 11.8   | 11.3   | 11.5   | 11.5   | 11.5   |
| 90°    | 3.4    | 7.9    | 13.6   | 18.1   | 21.5   | 22.6   | 22.6   | 23.7   | 24.8   | 24.8   | 24.8   |
| 92.5°  | 12.4   | 19.7   | 19.9   | 19.9   | 24.2   | 26.2   | 28.0   | 28.2   | 29.4   | 29.4   | 29.4   |
| 95°    | 35.0   | 38.4   | 57.6   | 56.5   | 38.4   | 30.5   | 26.0   | 26.0   | 26.0   | 26.0   | 26.0   |
| 97.5°  | 66.9   | 71.8   | 75.0   | 100.5  | 106.2  | 102.6  | 83.6   | 70.3   | 62.8   | 59.4   | 62.8   |
| 100°   | 94.9   | 97.1   | 103.9  | 105.0  | 133.3  | 160.4  | 146.8  | 129.9  | 124.2  | 120.9  | 124.2  |
| 102.5° | 122.9  | 124.2  | 134.6  | 139.4  | 145.9  | 161.3  | 208.3  | 203.1  | 199.2  | 198.6  | 199.2  |
| 105°   | 164.9  | 166.0  | 185.2  | 194.3  | 198.8  | 198.8  | 197.7  | 220.2  | 256.4  | 264.3  | 256.4  |
| 107.5° | 209.9  | 215.1  | 237.6  | 261.8  | 267.0  | 268.4  | 262.5  | 259.1  | 257.7  | 258.7  | 257.7  |
| 110°   | 240.6  | 248.5  | 275.6  | 306.1  | 314.0  | 316.3  | 314.0  | 310.6  | 308.3  | 308.3  | 308.3  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 30°    | 40°    | 50°    | 60°    | 70°    | 80°    | 90°    | 100°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 270.4  | 281.9  | 312.6  | 347.7  | 361.0  | 367.8  | 362.8  | 360.3  | 358.0  | 359.9  | 358.0  |
| 115°   | 316.3  | 333.2  | 373.9  | 410.0  | 437.1  | 440.5  | 439.4  | 439.4  | 438.2  | 438.2  | 438.2  |
| 117.5° | 358.7  | 385.8  | 431.5  | 473.5  | 504.9  | 513.9  | 518.4  | 517.1  | 515.7  | 518.0  | 515.7  |
| 120°   | 388.5  | 420.2  | 472.1  | 519.6  | 550.1  | 563.6  | 568.1  | 565.9  | 568.1  | 565.9  | 568.1  |
| 122.5° | 420.2  | 459.0  | 510.1  | 559.3  | 595.2  | 610.6  | 616.0  | 616.5  | 616.9  | 615.6  | 616.9  |
| 125°   | 467.6  | 515.0  | 574.9  | 625.7  | 663.0  | 681.1  | 685.6  | 686.7  | 689.0  | 694.6  | 689.0  |
| 127.5° | 515.5  | 569.3  | 635.0  | 684.0  | 722.2  | 744.1  | 751.1  | 753.6  | 758.3  | 760.8  | 758.3  |
| 130°   | 548.9  | 609.9  | 676.6  | 722.9  | 760.1  | 783.9  | 796.3  | 799.7  | 805.3  | 804.2  | 805.3  |
| 132.5° | 584.2  | 647.9  | 715.4  | 763.5  | 798.1  | 823.6  | 834.2  | 843.9  | 846.0  | 847.6  | 846.0  |
| 135°   | 635.9  | 704.8  | 772.6  | 820.0  | 852.8  | 877.6  | 891.2  | 900.2  | 905.8  | 909.2  | 905.8  |
| 137.5° | 690.3  | 763.1  | 828.1  | 870.4  | 903.4  | 924.8  | 940.2  | 949.7  | 955.5  | 958.2  | 955.5  |
| 140°   | 727.4  | 797.4  | 860.7  | 904.7  | 934.1  | 955.5  | 969.1  | 980.4  | 987.2  | 987.2  | 987.2  |
| 142.5° | 762.6  | 831.7  | 893.2  | 937.2  | 963.0  | 982.6  | 997.1  | 1005.7 | 1013.4 | 1013.4 | 1013.4 |
| 145°   | 812.1  | 881.0  | 937.5  | 981.5  | 1003.0 | 1021.0 | 1036.9 | 1043.6 | 1048.2 | 1048.2 | 1048.2 |
| 147.5° | 863.8  | 924.8  | 976.3  | 1018.6 | 1036.6 | 1057.9 | 1070.3 | 1075.7 | 1081.4 | 1078.9 | 1081.4 |
| 150°   | 894.5  | 951.0  | 1000.7 | 1040.2 | 1058.3 | 1078.7 | 1091.1 | 1095.6 | 1101.2 | 1097.9 | 1101.2 |
| 152.5° | 924.4  | 978.1  | 1023.3 | 1060.1 | 1075.5 | 1095.8 | 1110.1 | 1114.6 | 1118.4 | 1115.9 | 1118.4 |
| 155°   | 964.6  | 1012.0 | 1053.8 | 1087.7 | 1101.2 | 1120.4 | 1134.0 | 1139.6 | 1144.2 | 1138.5 | 1144.2 |
| 157.5° | 1000.5 | 1041.4 | 1077.7 | 1108.9 | 1123.4 | 1139.9 | 1152.5 | 1159.5 | 1164.0 | 1161.6 | 1164.0 |
| 160°   | 1022.2 | 1059.4 | 1092.2 | 1121.6 | 1135.1 | 1149.8 | 1163.4 | 1171.3 | 1175.8 | 1172.4 | 1175.8 |
| 162.5° | 1040.2 | 1073.9 | 1104.9 | 1131.5 | 1143.3 | 1156.1 | 1172.4 | 1179.4 | 1183.9 | 1179.6 | 1183.9 |
| 165°   | 1066.2 | 1093.3 | 1120.4 | 1143.0 | 1153.2 | 1163.4 | 1180.3 | 1188.2 | 1191.6 | 1187.1 | 1191.6 |
| 167.5° | 1085.9 | 1106.7 | 1128.6 | 1148.0 | 1155.5 | 1165.4 | 1182.3 | 1188.9 | 1193.2 | 1187.5 | 1193.2 |
| 170°   | 1096.7 | 1114.8 | 1134.0 | 1149.8 | 1155.5 | 1164.5 | 1181.4 | 1187.1 | 1190.5 | 1184.8 | 1190.5 |
| 172.5° | 1105.8 | 1119.3 | 1134.9 | 1148.9 | 1151.8 | 1159.1 | 1175.1 | 1180.8 | 1183.2 | 1178.5 | 1183.2 |
| 175°   | 1114.8 | 1122.7 | 1134.0 | 1143.0 | 1141.9 | 1146.4 | 1160.0 | 1164.5 | 1169.0 | 1162.2 | 1169.0 |
| 177.5° | 1119.1 | 1122.7 | 1126.3 | 1131.7 | 1128.1 | 1128.1 | 1138.1 | 1140.8 | 1141.7 | 1138.1 | 1141.7 |
| 180°   | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 |



TEST NUMBER: P1428413

CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L830-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 120°   | 130°   | 140°   | 150°   | 160°   | 170°   | 180°   | 190°   | 200°   | 210°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2867.1 | 2867.1 | 2867.1 | 2867.1 | 2867.1 | 2867.1 | 2867.1 | 2867.1 | 2867.1 | 2867.1 | 2867.1 |
| 2.5°   | 2863.5 | 2862.0 | 2861.0 | 2865.9 | 2876.6 | 2880.5 | 2863.9 | 2847.4 | 2863.9 | 2880.5 | 2876.6 |
| 5°     | 2864.4 | 2860.7 | 2859.5 | 2864.4 | 2875.3 | 2878.3 | 2857.7 | 2837.1 | 2857.7 | 2878.3 | 2875.3 |
| 7.5°   | 2863.2 | 2857.5 | 2853.3 | 2855.4 | 2863.6 | 2864.6 | 2843.7 | 2822.9 | 2843.7 | 2864.6 | 2863.6 |
| 10°    | 2858.6 | 2851.6 | 2845.6 | 2846.2 | 2853.5 | 2853.5 | 2831.6 | 2809.8 | 2831.6 | 2853.5 | 2853.5 |
| 12.5°  | 2849.9 | 2842.2 | 2835.1 | 2834.3 | 2839.6 | 2837.9 | 2815.1 | 2792.3 | 2815.1 | 2837.9 | 2839.6 |
| 15°    | 2827.7 | 2819.8 | 2811.3 | 2807.6 | 2808.9 | 2803.7 | 2779.4 | 2755.1 | 2779.4 | 2803.7 | 2808.9 |
| 17.5°  | 2768.4 | 2766.1 | 2763.9 | 2763.6 | 2765.3 | 2760.6 | 2736.3 | 2712.0 | 2736.3 | 2760.6 | 2765.3 |
| 20°    | 2708.7 | 2715.1 | 2723.6 | 2729.7 | 2733.3 | 2730.0 | 2705.7 | 2681.4 | 2705.7 | 2730.0 | 2733.3 |
| 22.5°  | 2623.8 | 2643.0 | 2666.1 | 2681.8 | 2690.3 | 2690.2 | 2663.9 | 2637.7 | 2663.9 | 2690.2 | 2690.3 |
| 25°    | 2463.9 | 2503.9 | 2551.3 | 2587.1 | 2611.3 | 2623.2 | 2597.7 | 2572.2 | 2597.7 | 2623.2 | 2611.3 |
| 27.5°  | 2276.4 | 2333.2 | 2400.4 | 2458.1 | 2506.1 | 2537.0 | 2516.4 | 2495.7 | 2516.4 | 2537.0 | 2506.1 |
| 30°    | 2145.6 | 2207.2 | 2281.2 | 2353.5 | 2423.8 | 2472.7 | 2456.9 | 2441.1 | 2456.9 | 2472.7 | 2423.8 |
| 32.5°  | 2020.6 | 2084.9 | 2161.8 | 2244.2 | 2332.1 | 2396.5 | 2390.4 | 2384.3 | 2390.4 | 2396.5 | 2332.1 |
| 35°    | 1837.4 | 1901.4 | 1979.1 | 2073.1 | 2183.5 | 2269.1 | 2280.0 | 2291.0 | 2280.0 | 2269.1 | 2183.5 |
| 37.5°  | 1653.3 | 1720.6 | 1801.9 | 1901.5 | 2019.2 | 2115.6 | 2148.1 | 2180.6 | 2148.1 | 2115.6 | 2019.2 |
| 40°    | 1530.9 | 1598.3 | 1679.6 | 1781.5 | 1904.1 | 2007.6 | 2053.7 | 2099.8 | 2053.7 | 2007.6 | 1904.1 |
| 42.5°  | 1414.9 | 1482.5 | 1563.8 | 1665.8 | 1788.3 | 1894.7 | 1952.5 | 2010.2 | 1952.5 | 1894.7 | 1788.3 |
| 45°    | 1244.2 | 1309.8 | 1388.6 | 1490.6 | 1615.6 | 1726.3 | 1794.3 | 1862.3 | 1794.3 | 1726.3 | 1615.6 |
| 47.5°  | 1085.7 | 1148.5 | 1224.9 | 1325.5 | 1450.3 | 1560.7 | 1628.2 | 1695.7 | 1628.2 | 1560.7 | 1450.3 |
| 50°    | 981.8  | 1045.8 | 1122.3 | 1220.0 | 1338.9 | 1444.5 | 1510.0 | 1575.5 | 1510.0 | 1444.5 | 1338.9 |
| 52.5°  | 874.5  | 942.4  | 1020.8 | 1118.0 | 1234.0 | 1335.7 | 1394.5 | 1453.2 | 1394.5 | 1335.7 | 1234.0 |
| 55°    | 713.0  | 783.7  | 871.1  | 969.4  | 1078.6 | 1174.5 | 1230.3 | 1286.1 | 1230.3 | 1174.5 | 1078.6 |
| 57.5°  | 600.3  | 664.1  | 743.4  | 832.5  | 931.3  | 1017.5 | 1065.8 | 1114.1 | 1065.8 | 1017.5 | 931.3  |
| 60°    | 539.1  | 593.4  | 660.2  | 741.5  | 837.4  | 919.9  | 962.4  | 1004.9 | 962.4  | 919.9  | 837.4  |
| 62.5°  | 483.1  | 526.5  | 579.6  | 652.7  | 745.6  | 824.8  | 862.4  | 900.0  | 862.4  | 824.8  | 745.6  |
| 65°    | 403.8  | 439.6  | 483.3  | 544.0  | 621.7  | 686.9  | 714.8  | 742.7  | 714.8  | 686.9  | 621.7  |
| 67.5°  | 331.7  | 362.4  | 400.8  | 449.9  | 509.9  | 558.7  | 574.3  | 589.8  | 574.3  | 558.7  | 509.9  |
| 70°    | 290.7  | 315.8  | 347.4  | 389.3  | 441.4  | 481.8  | 486.6  | 491.5  | 486.6  | 481.8  | 441.4  |
| 72.5°  | 251.8  | 271.4  | 296.2  | 331.2  | 376.6  | 410.2  | 408.3  | 406.3  | 408.3  | 410.2  | 376.6  |
| 75°    | 198.7  | 212.1  | 229.1  | 253.9  | 286.7  | 308.9  | 299.1  | 289.4  | 299.1  | 308.9  | 286.7  |
| 77.5°  | 147.0  | 156.9  | 169.5  | 187.9  | 211.9  | 226.3  | 211.7  | 197.1  | 211.7  | 226.3  | 211.9  |
| 80°    | 114.7  | 122.0  | 131.7  | 145.6  | 163.8  | 173.8  | 159.3  | 144.7  | 159.3  | 173.8  | 163.8  |
| 82.5°  | 86.3   | 89.9   | 94.8   | 103.9  | 117.2  | 124.3  | 112.7  | 101.0  | 112.7  | 124.3  | 117.2  |
| 85°    | 35.2   | 41.0   | 48.2   | 54.3   | 59.2   | 61.3   | 55.2   | 49.2   | 55.2   | 61.3   | 59.2   |
| 87.5°  | 11.3   | 11.8   | 12.8   | 15.5   | 19.6   | 21.6   | 17.6   | 13.8   | 17.6   | 21.4   | 20.1   |
| 90°    | 23.7   | 22.6   | 22.6   | 21.5   | 18.1   | 13.6   | 7.9    | 3.4    | 7.9    | 12.4   | 20.3   |
| 92.5°  | 28.2   | 28.0   | 26.2   | 24.2   | 19.9   | 19.9   | 19.7   | 12.4   | 21.5   | 30.5   | 43.8   |
| 95°    | 26.0   | 26.0   | 30.5   | 38.4   | 56.5   | 57.6   | 38.4   | 35.0   | 49.7   | 70.0   | 88.1   |
| 97.5°  | 70.3   | 83.6   | 102.6  | 106.2  | 100.5  | 75.0   | 71.8   | 66.9   | 91.0   | 111.1  | 140.3  |
| 100°   | 129.9  | 146.8  | 160.4  | 133.3  | 105.0  | 103.9  | 97.1   | 94.9   | 120.9  | 140.1  | 168.3  |
| 102.5° | 203.1  | 208.3  | 161.3  | 145.9  | 139.4  | 134.6  | 124.2  | 122.9  | 148.9  | 175.3  | 199.0  |
| 105°   | 220.2  | 197.7  | 198.8  | 198.8  | 194.3  | 185.2  | 166.0  | 164.9  | 194.3  | 224.8  | 254.1  |
| 107.5° | 259.1  | 262.5  | 268.4  | 267.0  | 261.8  | 237.6  | 215.1  | 209.9  | 236.3  | 272.9  | 305.2  |
| 110°   | 310.6  | 314.0  | 316.3  | 314.0  | 306.1  | 275.6  | 248.5  | 240.6  | 264.3  | 302.7  | 337.7  |



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CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L830-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 120°   | 130°   | 140°   | 150°   | 160°   | 170°   | 180°   | 190°   | 200°   | 210°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 360.3  | 362.8  | 367.8  | 361.0  | 347.7  | 312.6  | 281.9  | 270.4  | 294.1  | 333.4  | 369.3  |
| 115°   | 439.4  | 439.4  | 440.5  | 437.1  | 410.0  | 373.9  | 333.2  | 316.3  | 336.6  | 372.7  | 412.3  |
| 117.5° | 517.1  | 518.4  | 513.9  | 504.9  | 473.5  | 431.5  | 385.8  | 358.7  | 374.8  | 412.9  | 453.6  |
| 120°   | 565.9  | 568.1  | 563.6  | 550.1  | 519.6  | 472.1  | 420.2  | 388.5  | 401.0  | 438.2  | 478.9  |
| 122.5° | 616.5  | 616.0  | 610.6  | 595.2  | 559.3  | 510.1  | 459.0  | 420.2  | 425.4  | 459.9  | 499.7  |
| 125°   | 686.7  | 685.6  | 681.1  | 663.0  | 625.7  | 574.9  | 515.0  | 467.6  | 460.8  | 490.2  | 530.9  |
| 127.5° | 753.6  | 751.1  | 744.1  | 722.2  | 684.0  | 635.0  | 569.3  | 515.5  | 500.4  | 518.9  | 556.2  |
| 130°   | 799.7  | 796.3  | 783.9  | 760.1  | 722.9  | 676.6  | 609.9  | 548.9  | 527.5  | 538.8  | 571.5  |
| 132.5° | 843.9  | 834.2  | 823.6  | 798.1  | 763.5  | 715.4  | 647.9  | 584.2  | 554.6  | 559.5  | 585.1  |
| 135°   | 900.2  | 891.2  | 877.6  | 852.8  | 820.0  | 772.6  | 704.8  | 635.9  | 595.2  | 590.7  | 605.4  |
| 137.5° | 949.7  | 940.2  | 924.8  | 903.4  | 870.4  | 828.1  | 763.1  | 690.3  | 639.1  | 623.9  | 629.6  |
| 140°   | 980.4  | 969.1  | 955.5  | 934.1  | 904.7  | 860.7  | 797.4  | 727.4  | 669.8  | 648.3  | 644.9  |
| 142.5° | 1005.7 | 997.1  | 982.6  | 963.0  | 937.2  | 893.2  | 831.7  | 762.6  | 701.4  | 673.6  | 665.7  |
| 145°   | 1043.6 | 1036.9 | 1021.0 | 1003.0 | 981.5  | 937.5  | 881.0  | 812.1  | 751.1  | 715.0  | 698.0  |
| 147.5° | 1075.7 | 1070.3 | 1057.9 | 1036.6 | 1018.6 | 976.3  | 924.8  | 863.8  | 801.3  | 756.5  | 734.6  |
| 150°   | 1095.6 | 1091.1 | 1078.7 | 1058.3 | 1040.2 | 1000.7 | 951.0  | 894.5  | 834.7  | 787.2  | 759.0  |
| 152.5° | 1114.6 | 1110.1 | 1095.8 | 1075.5 | 1060.1 | 1023.3 | 978.1  | 924.4  | 863.6  | 816.2  | 787.0  |
| 155°   | 1139.6 | 1134.0 | 1120.4 | 1101.2 | 1087.7 | 1053.8 | 1012.0 | 964.6  | 912.6  | 862.9  | 830.2  |
| 157.5° | 1159.5 | 1152.5 | 1139.9 | 1123.4 | 1108.9 | 1077.7 | 1041.4 | 1000.5 | 955.1  | 907.6  | 874.2  |
| 160°   | 1171.3 | 1163.4 | 1149.8 | 1135.1 | 1121.6 | 1092.2 | 1059.4 | 1022.2 | 980.4  | 937.5  | 901.3  |
| 162.5° | 1179.4 | 1172.4 | 1156.1 | 1143.3 | 1131.5 | 1104.9 | 1073.9 | 1040.2 | 1003.0 | 965.5  | 932.0  |
| 165°   | 1188.2 | 1180.3 | 1163.4 | 1153.2 | 1143.0 | 1120.4 | 1093.3 | 1066.2 | 1034.6 | 1004.1 | 977.0  |
| 167.5° | 1188.9 | 1182.3 | 1165.4 | 1155.5 | 1148.0 | 1128.6 | 1106.7 | 1085.9 | 1061.3 | 1037.3 | 1014.7 |
| 170°   | 1187.1 | 1181.4 | 1164.5 | 1155.5 | 1149.8 | 1134.0 | 1114.8 | 1096.7 | 1077.5 | 1057.2 | 1039.1 |
| 172.5° | 1180.8 | 1175.1 | 1159.1 | 1151.8 | 1148.9 | 1134.9 | 1119.3 | 1105.8 | 1089.3 | 1074.4 | 1059.9 |
| 175°   | 1164.5 | 1160.0 | 1146.4 | 1141.9 | 1143.0 | 1134.0 | 1122.7 | 1114.8 | 1104.6 | 1095.6 | 1087.7 |
| 177.5° | 1140.8 | 1138.1 | 1128.1 | 1128.1 | 1131.7 | 1126.3 | 1122.7 | 1119.1 | 1114.6 | 1111.9 | 1109.1 |
| 180°   | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 |



TEST NUMBER: P1428413

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**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 230°   | 240°   | 250°   | 260°   | 270°   | 280°   | 290°   | 300°   | 310°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2867.1 | 2867.1 | 2867.1 | 2867.1 | 2867.1 | 2867.1 | 2867.1 | 2867.1 | 2867.1 | 2867.1 | 2867.1 |
| 2.5°   | 2865.9 | 2861.0 | 2862.0 | 2863.5 | 2866.4 | 2869.3 | 2866.4 | 2863.5 | 2862.0 | 2861.0 | 2865.9 |
| 5°     | 2864.4 | 2859.5 | 2860.7 | 2864.4 | 2875.3 | 2886.2 | 2875.3 | 2864.4 | 2860.7 | 2859.5 | 2864.4 |
| 7.5°   | 2855.4 | 2853.3 | 2857.5 | 2863.2 | 2873.9 | 2884.6 | 2873.9 | 2863.2 | 2857.5 | 2853.3 | 2855.4 |
| 10°    | 2846.2 | 2845.6 | 2851.6 | 2858.6 | 2868.3 | 2878.0 | 2868.3 | 2858.6 | 2851.6 | 2845.6 | 2846.2 |
| 12.5°  | 2834.3 | 2835.1 | 2842.2 | 2849.9 | 2859.6 | 2869.3 | 2859.6 | 2849.9 | 2842.2 | 2835.1 | 2834.3 |
| 15°    | 2807.6 | 2811.3 | 2819.8 | 2827.7 | 2833.7 | 2839.8 | 2833.7 | 2827.7 | 2819.8 | 2811.3 | 2807.6 |
| 17.5°  | 2763.6 | 2763.9 | 2766.1 | 2768.4 | 2771.4 | 2774.3 | 2771.4 | 2768.4 | 2766.1 | 2763.9 | 2763.6 |
| 20°    | 2729.7 | 2723.6 | 2715.1 | 2708.7 | 2708.7 | 2708.7 | 2708.7 | 2708.7 | 2715.1 | 2723.6 | 2729.7 |
| 22.5°  | 2681.8 | 2666.1 | 2643.0 | 2623.8 | 2616.0 | 2608.2 | 2616.0 | 2623.8 | 2643.0 | 2666.1 | 2681.8 |
| 25°    | 2587.1 | 2551.3 | 2503.9 | 2463.9 | 2445.7 | 2427.5 | 2445.7 | 2463.9 | 2503.9 | 2551.3 | 2587.1 |
| 27.5°  | 2458.1 | 2400.4 | 2333.2 | 2276.4 | 2251.2 | 2226.0 | 2251.2 | 2276.4 | 2333.2 | 2400.4 | 2458.1 |
| 30°    | 2353.5 | 2281.2 | 2207.2 | 2145.6 | 2121.4 | 2097.1 | 2121.4 | 2145.6 | 2207.2 | 2281.2 | 2353.5 |
| 32.5°  | 2244.2 | 2161.8 | 2084.9 | 2020.6 | 1994.4 | 1968.2 | 1994.4 | 2020.6 | 2084.9 | 2161.8 | 2244.2 |
| 35°    | 2073.1 | 1979.1 | 1901.4 | 1837.4 | 1814.3 | 1791.3 | 1814.3 | 1837.4 | 1901.4 | 1979.1 | 2073.1 |
| 37.5°  | 1901.5 | 1801.9 | 1720.6 | 1653.3 | 1627.8 | 1602.3 | 1627.8 | 1653.3 | 1720.6 | 1801.9 | 1901.5 |
| 40°    | 1781.5 | 1679.6 | 1598.3 | 1530.9 | 1505.5 | 1480.0 | 1505.5 | 1530.9 | 1598.3 | 1679.6 | 1781.5 |
| 42.5°  | 1665.8 | 1563.8 | 1482.5 | 1414.9 | 1388.5 | 1362.0 | 1388.5 | 1414.9 | 1482.5 | 1563.8 | 1665.8 |
| 45°    | 1490.6 | 1388.6 | 1309.8 | 1244.2 | 1218.7 | 1193.3 | 1218.7 | 1244.2 | 1309.8 | 1388.6 | 1490.6 |
| 47.5°  | 1325.5 | 1224.9 | 1148.5 | 1085.7 | 1063.8 | 1042.0 | 1063.8 | 1085.7 | 1148.5 | 1224.9 | 1325.5 |
| 50°    | 1220.0 | 1122.3 | 1045.8 | 981.8  | 955.1  | 928.4  | 955.1  | 981.8  | 1045.8 | 1122.3 | 1220.0 |
| 52.5°  | 1118.0 | 1020.8 | 942.4  | 874.5  | 838.1  | 801.7  | 838.1  | 874.5  | 942.4  | 1020.8 | 1118.0 |
| 55°    | 969.4  | 871.1  | 783.7  | 713.0  | 692.4  | 671.7  | 692.4  | 713.0  | 783.7  | 871.1  | 969.4  |
| 57.5°  | 832.5  | 743.4  | 664.1  | 600.3  | 583.3  | 566.3  | 583.3  | 600.3  | 664.1  | 743.4  | 832.5  |
| 60°    | 741.5  | 660.2  | 593.4  | 539.1  | 522.1  | 505.2  | 522.1  | 539.1  | 593.4  | 660.2  | 741.5  |
| 62.5°  | 652.7  | 579.6  | 526.5  | 483.1  | 469.0  | 454.9  | 469.0  | 483.1  | 526.5  | 579.6  | 652.7  |
| 65°    | 544.0  | 483.3  | 439.6  | 403.8  | 391.7  | 379.5  | 391.7  | 403.8  | 439.6  | 483.3  | 544.0  |
| 67.5°  | 449.9  | 400.8  | 362.4  | 331.7  | 323.7  | 315.7  | 323.7  | 331.7  | 362.4  | 400.8  | 449.9  |
| 70°    | 389.3  | 347.4  | 315.8  | 290.7  | 284.6  | 278.5  | 284.6  | 290.7  | 315.8  | 347.4  | 389.3  |
| 72.5°  | 331.2  | 296.2  | 271.4  | 251.8  | 247.7  | 243.6  | 247.7  | 251.8  | 271.4  | 296.2  | 331.2  |
| 75°    | 253.9  | 229.1  | 212.1  | 198.7  | 196.3  | 193.9  | 196.3  | 198.7  | 212.1  | 229.1  | 253.9  |
| 77.5°  | 187.9  | 169.5  | 156.9  | 147.0  | 145.0  | 143.1  | 145.0  | 147.0  | 156.9  | 169.5  | 187.9  |
| 80°    | 145.6  | 131.7  | 122.0  | 114.7  | 114.7  | 114.7  | 114.7  | 114.7  | 122.0  | 131.7  | 145.6  |
| 82.5°  | 103.9  | 94.8   | 89.9   | 86.3   | 86.3   | 86.3   | 86.3   | 86.3   | 89.9   | 94.8   | 103.9  |
| 85°    | 54.3   | 48.2   | 41.0   | 35.2   | 34.0   | 32.8   | 34.0   | 35.2   | 41.0   | 48.2   | 54.3   |
| 87.5°  | 16.4   | 15.0   | 15.6   | 15.8   | 16.7   | 16.3   | 16.7   | 15.8   | 15.6   | 15.0   | 16.4   |
| 90°    | 26.0   | 33.9   | 41.8   | 46.3   | 50.8   | 48.6   | 50.8   | 46.3   | 41.8   | 33.9   | 26.0   |
| 92.5°  | 52.2   | 65.5   | 75.2   | 83.4   | 87.0   | 86.5   | 87.0   | 83.4   | 75.2   | 65.5   | 52.2   |
| 95°    | 105.0  | 120.9  | 136.7  | 148.0  | 154.7  | 152.5  | 154.7  | 148.0  | 136.7  | 120.9  | 105.0  |
| 97.5°  | 162.0  | 183.2  | 200.8  | 211.4  | 218.2  | 222.7  | 218.2  | 211.4  | 200.8  | 183.2  | 162.0  |
| 100°   | 199.9  | 220.2  | 240.6  | 253.0  | 264.3  | 268.8  | 264.3  | 253.0  | 240.6  | 220.2  | 199.9  |
| 102.5° | 230.6  | 257.3  | 279.4  | 292.8  | 302.2  | 306.8  | 302.2  | 292.8  | 279.4  | 257.3  | 230.6  |
| 105°   | 281.2  | 309.5  | 333.2  | 350.1  | 360.3  | 363.7  | 360.3  | 350.1  | 333.2  | 309.5  | 281.2  |
| 107.5° | 331.8  | 361.0  | 382.9  | 401.6  | 414.1  | 421.3  | 414.1  | 401.6  | 382.9  | 361.0  | 331.8  |
| 110°   | 371.6  | 395.3  | 419.0  | 436.0  | 448.4  | 452.9  | 448.4  | 436.0  | 419.0  | 395.3  | 371.6  |



TEST NUMBER: P1428413

CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L830-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 230°   | 240°   | 250°   | 260°   | 270°   | 280°   | 290°   | 300°   | 310°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 405.0  | 431.5  | 455.2  | 472.1  | 486.4  | 492.7  | 486.4  | 472.1  | 455.2  | 431.5  | 405.0  |
| 115°   | 451.8  | 486.8  | 508.3  | 524.1  | 534.2  | 539.9  | 534.2  | 524.1  | 508.3  | 486.8  | 451.8  |
| 117.5° | 490.6  | 527.2  | 550.7  | 562.9  | 567.7  | 571.7  | 567.7  | 562.9  | 550.7  | 527.2  | 490.6  |
| 120°   | 515.0  | 548.9  | 576.0  | 591.8  | 597.5  | 599.8  | 597.5  | 591.8  | 576.0  | 548.9  | 515.0  |
| 122.5° | 537.6  | 569.7  | 595.9  | 615.3  | 624.6  | 626.9  | 624.6  | 615.3  | 595.9  | 569.7  | 537.6  |
| 125°   | 569.3  | 599.8  | 626.9  | 646.1  | 656.2  | 661.9  | 656.2  | 646.1  | 626.9  | 599.8  | 569.3  |
| 127.5° | 596.8  | 629.8  | 654.6  | 672.0  | 682.0  | 686.5  | 682.0  | 672.0  | 654.6  | 629.8  | 596.8  |
| 130°   | 612.2  | 646.1  | 670.9  | 690.1  | 699.1  | 703.7  | 699.1  | 690.1  | 670.9  | 646.1  | 612.2  |
| 132.5° | 623.9  | 659.6  | 685.4  | 702.8  | 712.7  | 717.2  | 712.7  | 702.8  | 685.4  | 659.6  | 623.9  |
| 135°   | 638.2  | 675.4  | 702.5  | 719.5  | 728.5  | 733.0  | 728.5  | 719.5  | 702.5  | 675.4  | 638.2  |
| 137.5° | 650.6  | 684.5  | 712.7  | 730.5  | 738.7  | 741.6  | 738.7  | 730.5  | 712.7  | 684.5  | 650.6  |
| 140°   | 659.6  | 689.0  | 717.2  | 734.2  | 743.2  | 744.3  | 743.2  | 734.2  | 717.2  | 689.0  | 659.6  |
| 142.5° | 671.4  | 694.4  | 719.0  | 736.0  | 745.0  | 747.0  | 745.0  | 736.0  | 719.0  | 694.4  | 671.4  |
| 145°   | 692.4  | 705.9  | 722.9  | 738.7  | 746.6  | 748.8  | 746.6  | 738.7  | 722.9  | 705.9  | 692.4  |
| 147.5° | 718.8  | 723.1  | 731.9  | 742.3  | 750.0  | 751.6  | 750.0  | 742.3  | 731.9  | 723.1  | 718.8  |
| 150°   | 738.7  | 737.5  | 740.9  | 747.7  | 754.5  | 753.4  | 754.5  | 747.7  | 740.9  | 737.5  | 738.7  |
| 152.5° | 761.3  | 754.7  | 754.5  | 757.7  | 760.8  | 760.6  | 760.8  | 757.7  | 754.5  | 754.7  | 761.3  |
| 155°   | 799.7  | 787.2  | 780.5  | 778.2  | 778.2  | 777.1  | 778.2  | 778.2  | 780.5  | 787.2  | 799.7  |
| 157.5° | 841.9  | 824.5  | 814.4  | 808.9  | 807.4  | 804.9  | 807.4  | 808.9  | 814.4  | 824.5  | 841.9  |
| 160°   | 870.8  | 851.6  | 841.5  | 832.4  | 829.0  | 825.6  | 829.0  | 832.4  | 841.5  | 851.6  | 870.8  |
| 162.5° | 897.9  | 879.6  | 868.6  | 860.4  | 857.0  | 851.9  | 857.0  | 860.4  | 868.6  | 879.6  | 897.9  |
| 165°   | 942.0  | 922.8  | 910.4  | 903.6  | 899.1  | 894.5  | 899.1  | 903.6  | 910.4  | 922.8  | 942.0  |
| 167.5° | 986.0  | 965.0  | 956.9  | 949.2  | 944.9  | 936.8  | 944.9  | 949.2  | 956.9  | 965.0  | 986.0  |
| 170°   | 1013.1 | 993.9  | 989.4  | 982.6  | 974.7  | 965.7  | 974.7  | 982.6  | 989.4  | 993.9  | 1013.1 |
| 172.5° | 1036.6 | 1023.8 | 1019.2 | 1012.5 | 1010.0 | 1002.7 | 1010.0 | 1012.5 | 1019.2 | 1023.8 | 1036.6 |
| 175°   | 1070.7 | 1060.6 | 1060.6 | 1059.4 | 1056.1 | 1049.3 | 1056.1 | 1059.4 | 1060.6 | 1060.6 | 1070.7 |
| 177.5° | 1099.2 | 1093.8 | 1097.4 | 1097.4 | 1096.5 | 1090.2 | 1096.5 | 1097.4 | 1097.4 | 1093.8 | 1099.2 |
| 180°   | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 | 1118.2 |



TEST NUMBER: P1428413

CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L830-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 2867.1 | 2867.1 | 2867.1 | 2867.1 |
| 2.5°   | 2876.6 | 2880.5 | 2863.9 | 2847.4 |
| 5°     | 2875.3 | 2878.3 | 2857.7 | 2837.1 |
| 7.5°   | 2863.6 | 2864.6 | 2843.7 | 2822.9 |
| 10°    | 2853.5 | 2853.5 | 2831.6 | 2809.8 |
| 12.5°  | 2839.6 | 2837.9 | 2815.1 | 2792.3 |
| 15°    | 2808.9 | 2803.7 | 2779.4 | 2755.1 |
| 17.5°  | 2765.3 | 2760.6 | 2736.3 | 2712.0 |
| 20°    | 2733.3 | 2730.0 | 2705.7 | 2681.4 |
| 22.5°  | 2690.3 | 2690.2 | 2663.9 | 2637.7 |
| 25°    | 2611.3 | 2623.2 | 2597.7 | 2572.2 |
| 27.5°  | 2506.1 | 2537.0 | 2516.4 | 2495.7 |
| 30°    | 2423.8 | 2472.7 | 2456.9 | 2441.1 |
| 32.5°  | 2332.1 | 2396.5 | 2390.4 | 2384.3 |
| 35°    | 2183.5 | 2269.1 | 2280.0 | 2291.0 |
| 37.5°  | 2019.2 | 2115.6 | 2148.1 | 2180.6 |
| 40°    | 1904.1 | 2007.6 | 2053.7 | 2099.8 |
| 42.5°  | 1788.3 | 1894.7 | 1952.5 | 2010.2 |
| 45°    | 1615.6 | 1726.3 | 1794.3 | 1862.3 |
| 47.5°  | 1450.3 | 1560.7 | 1628.2 | 1695.7 |
| 50°    | 1338.9 | 1444.5 | 1510.0 | 1575.5 |
| 52.5°  | 1234.0 | 1335.7 | 1394.5 | 1453.2 |
| 55°    | 1078.6 | 1174.5 | 1230.3 | 1286.1 |
| 57.5°  | 931.3  | 1017.5 | 1065.8 | 1114.1 |
| 60°    | 837.4  | 919.9  | 962.4  | 1004.9 |
| 62.5°  | 745.6  | 824.8  | 862.4  | 900.0  |
| 65°    | 621.7  | 686.9  | 714.8  | 742.7  |
| 67.5°  | 509.9  | 558.7  | 574.3  | 589.8  |
| 70°    | 441.4  | 481.8  | 486.6  | 491.5  |
| 72.5°  | 376.6  | 410.2  | 408.3  | 406.3  |
| 75°    | 286.7  | 308.9  | 299.1  | 289.4  |
| 77.5°  | 211.9  | 226.3  | 211.7  | 197.1  |
| 80°    | 163.8  | 173.8  | 159.3  | 144.7  |
| 82.5°  | 117.2  | 124.3  | 112.7  | 101.0  |
| 85°    | 59.2   | 61.3   | 55.2   | 49.2   |
| 87.5°  | 20.1   | 21.4   | 17.6   | 13.8   |
| 90°    | 20.3   | 12.4   | 7.9    | 3.4    |
| 92.5°  | 43.8   | 30.5   | 21.5   | 12.4   |
| 95°    | 88.1   | 70.0   | 49.7   | 35.0   |
| 97.5°  | 140.3  | 111.1  | 91.0   | 66.9   |
| 100°   | 168.3  | 140.1  | 120.9  | 94.9   |
| 102.5° | 199.0  | 175.3  | 148.9  | 122.9  |
| 105°   | 254.1  | 224.8  | 194.3  | 164.9  |
| 107.5° | 305.2  | 272.9  | 236.3  | 209.9  |
| 110°   | 337.7  | 302.7  | 264.3  | 240.6  |



TEST NUMBER: P1428413

CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L830-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|
| 112.5° | 369.3  | 333.4  | 294.1  | 270.4  |
| 115°   | 412.3  | 372.7  | 336.6  | 316.3  |
| 117.5° | 453.6  | 412.9  | 374.8  | 358.7  |
| 120°   | 478.9  | 438.2  | 401.0  | 388.5  |
| 122.5° | 499.7  | 459.9  | 425.4  | 420.2  |
| 125°   | 530.9  | 490.2  | 460.8  | 467.6  |
| 127.5° | 556.2  | 518.9  | 500.4  | 515.5  |
| 130°   | 571.5  | 538.8  | 527.5  | 548.9  |
| 132.5° | 585.1  | 559.5  | 554.6  | 584.2  |
| 135°   | 605.4  | 590.7  | 595.2  | 635.9  |
| 137.5° | 629.6  | 623.9  | 639.1  | 690.3  |
| 140°   | 644.9  | 648.3  | 669.8  | 727.4  |
| 142.5° | 665.7  | 673.6  | 701.4  | 762.6  |
| 145°   | 698.0  | 715.0  | 751.1  | 812.1  |
| 147.5° | 734.6  | 756.5  | 801.3  | 863.8  |
| 150°   | 759.0  | 787.2  | 834.7  | 894.5  |
| 152.5° | 787.0  | 816.2  | 863.6  | 924.4  |
| 155°   | 830.2  | 862.9  | 912.6  | 964.6  |
| 157.5° | 874.2  | 907.6  | 955.1  | 1000.5 |
| 160°   | 901.3  | 937.5  | 980.4  | 1022.2 |
| 162.5° | 932.0  | 965.5  | 1003.0 | 1040.2 |
| 165°   | 977.0  | 1004.1 | 1034.6 | 1066.2 |
| 167.5° | 1014.7 | 1037.3 | 1061.3 | 1085.9 |
| 170°   | 1039.1 | 1057.2 | 1077.5 | 1096.7 |
| 172.5° | 1059.9 | 1074.4 | 1089.3 | 1105.8 |
| 175°   | 1087.7 | 1095.6 | 1104.6 | 1114.8 |
| 177.5° | 1109.1 | 1111.9 | 1114.6 | 1119.1 |
| 180°   | 1118.2 | 1118.2 | 1118.2 | 1118.2 |



TEST NUMBER: P1428413  
 CATALOG NUMBER: SQ2W-PW1-K-075U-125D-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 | 21.63            | 22.60 | 22.44 | 23.43 | 24.46 | 17.88          | 18.85 | 18.69 | 19.68 | 20.70 |
|                 | 3H   | 22.94            | 23.81 | 23.77 | 24.65 | 25.70 | 19.15          | 20.02 | 19.98 | 20.86 | 21.92 |
|                 | 4H   | 23.35            | 24.17 | 24.20 | 25.02 | 26.08 | 19.67          | 20.48 | 20.51 | 21.33 | 22.40 |
|                 | 6H   | 23.54            | 24.29 | 24.39 | 25.15 | 26.22 | 19.98          | 20.73 | 20.84 | 21.59 | 22.67 |
|                 | 8H   | 23.58            | 24.30 | 24.45 | 25.17 | 26.25 | 20.10          | 20.81 | 20.96 | 21.69 | 22.76 |
|                 | 12H  | 23.59            | 24.27 | 24.46 | 25.14 | 26.24 | 20.13          | 20.81 | 21.00 | 21.68 | 22.78 |
| 4H              | 2H   | 21.77            | 22.59 | 22.62 | 23.44 | 24.50 | 18.70          | 19.52 | 19.55 | 20.37 | 21.43 |
|                 | 3H   | 23.32            | 24.00 | 24.18 | 24.88 | 25.96 | 20.16          | 20.84 | 21.02 | 21.72 | 22.80 |
|                 | 4H   | 23.87            | 24.49 | 24.75 | 25.37 | 26.47 | 20.74          | 21.36 | 21.61 | 22.23 | 23.34 |
|                 | 6H   | 24.19            | 24.72 | 25.08 | 25.62 | 26.73 | 21.13          | 21.66 | 22.02 | 22.56 | 23.67 |
|                 | 8H   | 24.28            | 24.78 | 25.17 | 25.68 | 26.80 | 21.28          | 21.78 | 22.17 | 22.67 | 23.80 |
|                 | 12H  | 24.31            | 24.76 | 25.22 | 25.67 | 26.80 | 21.33          | 21.78 | 22.24 | 22.69 | 23.82 |
| 8H              | 4H   | 23.92            | 24.42 | 24.81 | 25.31 | 26.43 | 21.09          | 21.59 | 21.98 | 22.48 | 23.60 |
|                 | 6H   | 24.35            | 24.75 | 25.26 | 25.69 | 26.82 | 21.59          | 22.00 | 22.50 | 22.94 | 24.06 |
|                 | 8H   | 24.52            | 24.88 | 25.44 | 25.81 | 26.95 | 21.81          | 22.17 | 22.73 | 23.10 | 24.24 |
|                 | 12H  | 24.60            | 24.92 | 25.53 | 25.84 | 27.03 | 21.89          | 22.21 | 22.82 | 23.14 | 24.33 |
| 12H             | 4H   | 23.88            | 24.33 | 24.79 | 25.25 | 26.37 | 21.11          | 21.56 | 22.02 | 22.48 | 23.60 |
|                 | 6H   | 24.34            | 24.70 | 25.27 | 25.63 | 26.77 | 21.66          | 22.03 | 22.59 | 22.96 | 24.10 |
|                 | 8H   | 24.53            | 24.85 | 25.46 | 25.78 | 26.97 | 21.91          | 22.23 | 22.84 | 23.15 | 24.35 |