

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: P1428428

Luminaire Tested: SQ2W-PW1-K-100U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428428  
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-100U-075D-L930-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE WAVES LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 750 LUMENS PER FOOT  
UPLIGHT 1000 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

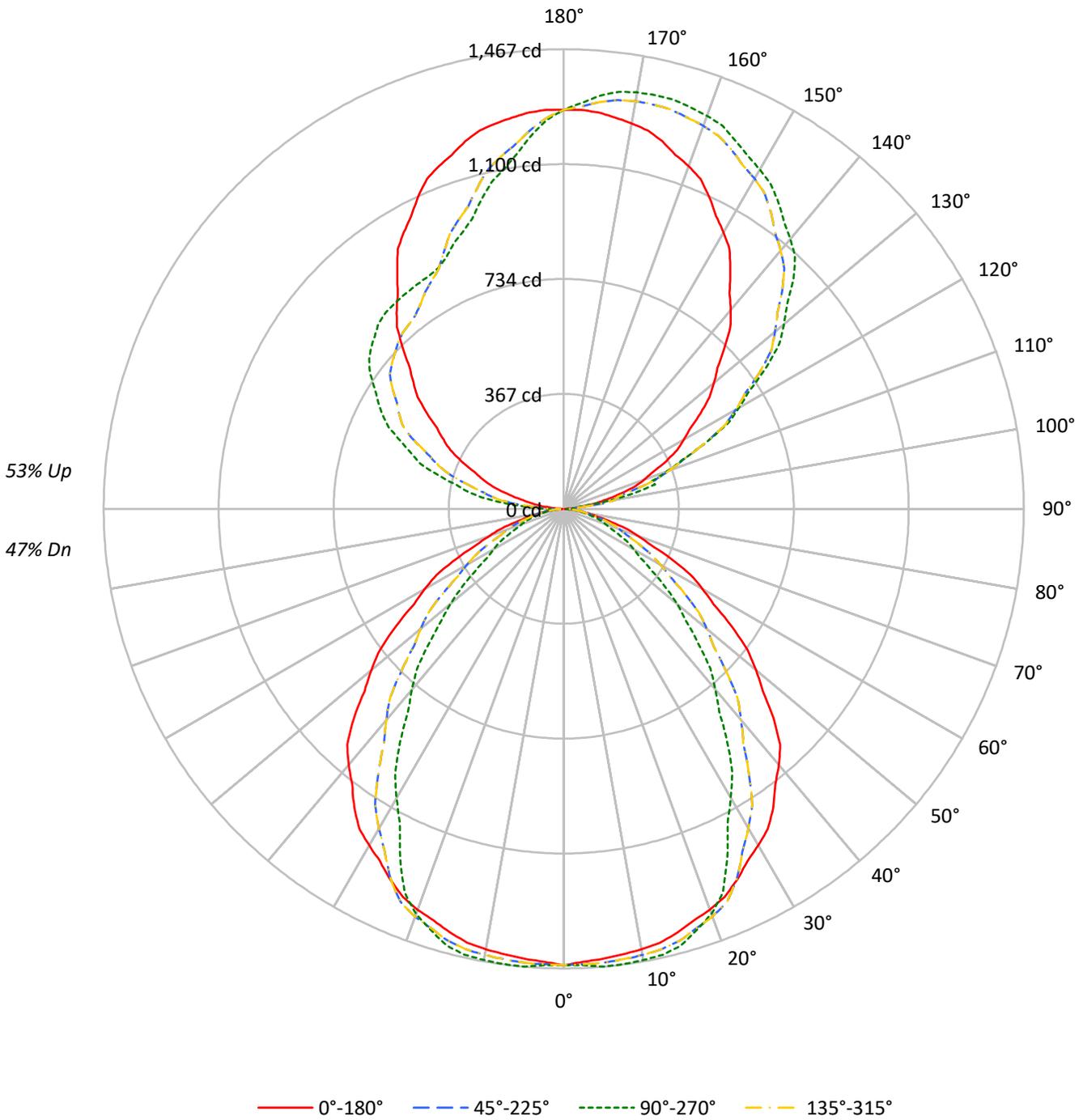
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6956.6 lumens  
Efficiency: N/A  
Efficacy: 116.3 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: General Diffuse  
  
Input Watts (W): 59.8  
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: P1428428

CATALOG NUMBER: SQ2W-PW1-K-100U-075D-L930-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1428428

CATALOG NUMBER: SQ2W-PW1-K-100U-075D-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   | 106 | 106 | 106 | 106 | 98 | 98 | 98 | 98 | 81 | 81 | 81 | 67 | 67 | 67 | 53 | 53 | 53 | 47 |    |    |    | 47 |
| 1   | 98  | 93  | 90  | 86  | 89 | 86 | 83 | 80 | 72 | 70 | 68 | 59 | 58 | 56 | 48 | 47 | 46 |    |    |    | 40 |    |
| 2   | 89  | 82  | 76  | 71  | 82 | 76 | 71 | 67 | 64 | 60 | 57 | 53 | 50 | 48 | 43 | 41 | 39 |    |    |    | 35 |    |
| 3   | 82  | 73  | 66  | 60  | 75 | 67 | 61 | 56 | 57 | 52 | 49 | 47 | 44 | 41 | 38 | 36 | 34 |    |    |    | 30 |    |
| 4   | 75  | 65  | 57  | 51  | 69 | 60 | 53 | 48 | 51 | 46 | 42 | 42 | 39 | 36 | 34 | 32 | 30 |    |    |    | 26 |    |
| 5   | 69  | 58  | 50  | 44  | 63 | 54 | 47 | 42 | 46 | 40 | 36 | 38 | 34 | 31 | 31 | 28 | 26 |    |    |    | 23 |    |
| 6   | 64  | 52  | 44  | 39  | 58 | 48 | 41 | 36 | 41 | 36 | 32 | 35 | 31 | 28 | 28 | 26 | 23 |    |    |    | 20 |    |
| 7   | 59  | 47  | 39  | 34  | 54 | 44 | 37 | 32 | 38 | 32 | 28 | 32 | 28 | 25 | 26 | 23 | 21 |    |    |    | 18 |    |
| 8   | 55  | 43  | 35  | 30  | 50 | 40 | 33 | 28 | 34 | 29 | 25 | 29 | 25 | 22 | 24 | 21 | 19 |    |    |    | 16 |    |
| 9   | 51  | 39  | 32  | 27  | 47 | 37 | 30 | 26 | 31 | 26 | 23 | 27 | 23 | 20 | 22 | 19 | 17 |    |    |    | 15 |    |
| 10  | 48  | 36  | 29  | 24  | 44 | 34 | 27 | 23 | 29 | 24 | 21 | 25 | 21 | 18 | 21 | 18 | 16 |    |    |    | 14 |    |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 23521 | 23521 | 23521 | 23521 |
| 5°  | 23364 | 23770 | 23364 | 23770 |
| 10° | 23407 | 23975 | 23407 | 23975 |
| 15° | 23401 | 24120 | 23401 | 24120 |
| 20° | 23410 | 23649 | 23410 | 23649 |
| 25° | 23284 | 21974 | 23284 | 21974 |
| 30° | 23125 | 19866 | 23125 | 19866 |
| 35° | 22945 | 17940 | 22945 | 17940 |
| 40° | 22489 | 15850 | 22489 | 15850 |
| 45° | 21607 | 13844 | 21607 | 13844 |
| 50° | 20109 | 11848 | 20109 | 11848 |
| 55° | 18395 | 9607  | 18395 | 9607  |
| 60° | 16488 | 8289  | 16488 | 8289  |
| 65° | 14418 | 7369  | 14418 | 7369  |
| 70° | 11787 | 6680  | 11787 | 6680  |
| 75° | 9176  | 6145  | 9176  | 6145  |
| 80° | 6834  | 5421  | 6834  | 5421  |
| 85° | 4631  | 3075  | 4631  | 3075  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 21607 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 138.7  | 2.0       |
| 10°-20°   | 402.0  | 5.8       |
| 20°-30°   | 591.5  | 8.5       |
| 30°-40°   | 646.7  | 9.3       |
| 40°-50°   | 580.2  | 8.3       |
| 50°-60°   | 432.8  | 6.2       |
| 60°-70°   | 273.5  | 3.9       |
| 70°-80°   | 135.5  | 1.9       |
| 80°-90°   | 37.0   | 0.5       |
| 90°-100°  | 101.4  | 1.5       |
| 100°-110° | 295.6  | 4.2       |
| 110°-120° | 482.4  | 6.9       |
| 120°-130° | 612.1  | 8.8       |
| 130°-140° | 655.0  | 9.4       |
| 140°-150° | 611.6  | 8.8       |
| 150°-160° | 503.3  | 7.2       |
| 160°-170° | 337.5  | 4.9       |
| 170°-180° | 119.8  | 1.7       |
| 0°-30°    | 1132.2 | 16.3      |
| 0°-40°    | 1778.9 | 25.6      |
| 0°-60°    | 2791.9 | 40.1      |
| 0°-90°    | 3237.9 | 46.5      |
| 90°-120°  | 879.3  | 12.6      |
| 90°-150°  | 2758.0 | 39.6      |
| 90°-180°  | 3719.0 | 53.5      |
| 0°-180°   | 6956.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1457 | 1457 | 1457 | 1457 | 1457 |      |
| 5°   | 1442 | 1467 | 1442 | 1467 | 1442 | 137  |
| 15°  | 1400 | 1443 | 1400 | 1443 | 1400 | 395  |
| 25°  | 1307 | 1234 | 1307 | 1234 | 1307 | 602  |
| 35°  | 1164 | 910  | 1164 | 910  | 1164 | 726  |
| 45°  | 946  | 606  | 946  | 606  | 946  | 726  |
| 55°  | 654  | 341  | 654  | 341  | 654  | 584  |
| 65°  | 377  | 193  | 377  | 193  | 377  | 374  |
| 75°  | 147  | 98   | 147  | 98   | 147  | 162  |
| 85°  | 25   | 17   | 25   | 17   | 25   | 32   |
| 90°  | 4    | 28   | 4    | 55   | 4    | 4    |
| 95°  | 40   | 30   | 40   | 174  | 40   | 48   |
| 105° | 188  | 301  | 188  | 414  | 188  | 200  |
| 115° | 360  | 499  | 360  | 615  | 360  | 355  |
| 125° | 533  | 791  | 533  | 754  | 533  | 477  |
| 135° | 724  | 1036 | 724  | 835  | 724  | 560  |
| 145° | 925  | 1194 | 925  | 853  | 925  | 579  |
| 155° | 1099 | 1297 | 1099 | 885  | 1099 | 505  |
| 165° | 1214 | 1352 | 1214 | 1019 | 1214 | 342  |
| 175° | 1270 | 1324 | 1270 | 1195 | 1270 | 120  |
| 180° | 1274 | 1274 | 1274 | 1274 | 1274 |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 30°    | 40°    | 50°    | 60°    | 70°    | 80°    | 90°    | 100°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1456.8 | 1456.8 | 1456.8 | 1456.8 | 1456.8 | 1456.8 | 1456.8 | 1456.8 | 1456.8 | 1456.8 | 1456.8 |
| 2.5°   | 1446.9 | 1455.2 | 1463.6 | 1461.7 | 1456.2 | 1453.8 | 1454.3 | 1455.0 | 1456.5 | 1458.0 | 1456.5 |
| 5°     | 1441.6 | 1452.1 | 1462.6 | 1461.0 | 1455.5 | 1453.0 | 1453.6 | 1455.5 | 1461.0 | 1466.6 | 1461.0 |
| 7.5°   | 1434.4 | 1445.0 | 1455.6 | 1455.1 | 1450.9 | 1449.8 | 1451.9 | 1454.9 | 1460.3 | 1465.7 | 1460.3 |
| 10°    | 1427.7 | 1438.8 | 1449.9 | 1449.9 | 1446.2 | 1445.9 | 1449.0 | 1452.5 | 1457.5 | 1462.4 | 1457.5 |
| 12.5°  | 1418.8 | 1430.4 | 1442.0 | 1442.9 | 1440.2 | 1440.6 | 1444.2 | 1448.1 | 1453.0 | 1458.0 | 1453.0 |
| 15°    | 1400.0 | 1412.3 | 1424.6 | 1427.2 | 1426.6 | 1428.5 | 1432.8 | 1436.8 | 1439.9 | 1443.0 | 1439.9 |
| 17.5°  | 1378.0 | 1390.4 | 1402.7 | 1405.1 | 1404.3 | 1404.4 | 1405.5 | 1406.7 | 1408.2 | 1409.7 | 1408.2 |
| 20°    | 1362.5 | 1374.8 | 1387.2 | 1388.9 | 1387.0 | 1383.9 | 1379.6 | 1376.4 | 1376.4 | 1376.4 | 1376.4 |
| 22.5°  | 1340.3 | 1353.6 | 1366.9 | 1367.0 | 1362.7 | 1354.7 | 1343.0 | 1333.2 | 1329.3 | 1325.3 | 1329.3 |
| 25°    | 1307.0 | 1320.0 | 1332.9 | 1326.9 | 1314.6 | 1296.4 | 1272.3 | 1252.0 | 1242.7 | 1233.5 | 1242.7 |
| 27.5°  | 1268.2 | 1278.6 | 1289.1 | 1273.4 | 1249.0 | 1219.7 | 1185.6 | 1156.7 | 1143.9 | 1131.1 | 1143.9 |
| 30°    | 1240.4 | 1248.4 | 1256.4 | 1231.6 | 1195.8 | 1159.2 | 1121.5 | 1090.2 | 1077.9 | 1065.6 | 1077.9 |
| 32.5°  | 1211.5 | 1214.6 | 1217.7 | 1185.0 | 1140.3 | 1098.5 | 1059.4 | 1026.7 | 1013.4 | 1000.1 | 1013.4 |
| 35°    | 1164.1 | 1158.5 | 1153.0 | 1109.5 | 1053.4 | 1005.6 | 966.1  | 933.6  | 921.9  | 910.2  | 921.9  |
| 37.5°  | 1108.0 | 1091.5 | 1075.0 | 1026.0 | 966.2  | 915.6  | 874.3  | 840.1  | 827.1  | 814.2  | 827.1  |
| 40°    | 1067.0 | 1043.5 | 1020.1 | 967.5  | 905.2  | 853.5  | 812.1  | 777.9  | 765.0  | 752.0  | 765.0  |
| 42.5°  | 1021.5 | 992.1  | 962.8  | 908.7  | 846.4  | 794.6  | 753.3  | 719.0  | 705.5  | 692.1  | 705.5  |
| 45°    | 946.3  | 911.7  | 877.2  | 820.9  | 757.4  | 705.6  | 665.5  | 632.2  | 619.3  | 606.3  | 619.3  |
| 47.5°  | 861.6  | 827.3  | 793.0  | 736.9  | 673.5  | 622.4  | 583.6  | 551.7  | 540.6  | 529.5  | 540.6  |
| 50°    | 800.6  | 767.3  | 734.0  | 680.3  | 619.9  | 570.3  | 531.4  | 498.9  | 485.3  | 471.7  | 485.3  |
| 52.5°  | 738.4  | 708.6  | 678.7  | 627.0  | 568.1  | 518.7  | 478.9  | 444.4  | 425.9  | 407.4  | 425.9  |
| 55°    | 653.5  | 625.1  | 596.8  | 548.1  | 492.6  | 442.6  | 398.2  | 362.3  | 351.8  | 341.3  | 351.8  |
| 57.5°  | 566.1  | 541.5  | 517.0  | 473.2  | 423.0  | 377.8  | 337.4  | 305.0  | 296.4  | 287.8  | 296.4  |
| 60°    | 510.6  | 489.0  | 467.4  | 425.5  | 376.8  | 335.5  | 301.5  | 273.9  | 265.3  | 256.7  | 265.3  |
| 62.5°  | 457.3  | 438.2  | 419.1  | 378.9  | 331.6  | 294.5  | 267.5  | 245.5  | 238.3  | 231.2  | 238.3  |
| 65°    | 377.4  | 363.2  | 349.0  | 315.9  | 276.4  | 245.6  | 223.4  | 205.2  | 199.0  | 192.9  | 199.0  |
| 67.5°  | 299.7  | 291.8  | 283.9  | 259.1  | 228.6  | 203.7  | 184.2  | 168.5  | 164.5  | 160.4  | 164.5  |
| 70°    | 249.7  | 247.3  | 244.8  | 224.3  | 197.8  | 176.5  | 160.5  | 147.7  | 144.6  | 141.5  | 144.6  |
| 72.5°  | 206.5  | 207.4  | 208.4  | 191.4  | 168.3  | 150.5  | 137.9  | 128.0  | 125.9  | 123.8  | 125.9  |
| 75°    | 147.1  | 152.0  | 156.9  | 145.7  | 129.0  | 116.4  | 107.8  | 101.0  | 99.7   | 98.5   | 99.7   |
| 77.5°  | 100.2  | 107.6  | 115.0  | 107.7  | 95.5   | 86.1   | 79.7   | 74.7   | 73.7   | 72.7   | 73.7   |
| 80°    | 73.5   | 80.9   | 88.3   | 83.2   | 74.0   | 66.9   | 62.0   | 58.3   | 58.3   | 58.3   | 58.3   |
| 82.5°  | 51.3   | 57.3   | 63.2   | 59.6   | 52.8   | 48.2   | 45.7   | 43.8   | 43.8   | 43.8   | 43.8   |
| 85°    | 25.0   | 28.1   | 31.1   | 30.1   | 27.6   | 24.5   | 20.8   | 17.9   | 17.3   | 16.6   | 17.3   |
| 87.5°  | 7.4    | 9.9    | 12.7   | 12.3   | 10.6   | 9.3    | 8.8    | 8.7    | 9.0    | 9.0    | 9.0    |
| 90°    | 3.9    | 9.0    | 15.4   | 20.6   | 24.4   | 25.7   | 25.7   | 27.0   | 28.3   | 28.3   | 28.3   |
| 92.5°  | 14.2   | 22.4   | 22.6   | 22.6   | 27.5   | 29.8   | 31.9   | 32.2   | 33.4   | 33.4   | 33.4   |
| 95°    | 39.9   | 43.7   | 65.6   | 64.3   | 43.7   | 34.7   | 29.6   | 29.6   | 29.6   | 29.6   | 29.6   |
| 97.5°  | 76.2   | 81.8   | 85.4   | 114.5  | 120.9  | 116.8  | 95.2   | 80.0   | 71.5   | 67.7   | 71.5   |
| 100°   | 108.1  | 110.6  | 118.4  | 119.6  | 151.8  | 182.7  | 167.2  | 147.9  | 141.5  | 137.6  | 141.5  |
| 102.5° | 140.0  | 141.5  | 153.3  | 158.7  | 166.2  | 183.7  | 237.2  | 231.3  | 226.9  | 226.2  | 226.9  |
| 105°   | 187.8  | 189.1  | 211.0  | 221.3  | 226.4  | 226.4  | 225.1  | 250.9  | 292.0  | 301.0  | 292.0  |
| 107.5° | 239.0  | 244.9  | 270.7  | 298.2  | 304.1  | 305.7  | 299.0  | 295.1  | 293.6  | 294.6  | 293.6  |
| 110°   | 274.0  | 283.0  | 313.9  | 348.6  | 357.6  | 360.2  | 357.6  | 353.8  | 351.2  | 351.2  | 351.2  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 30°    | 40°    | 50°    | 60°    | 70°    | 80°    | 90°    | 100°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 308.0  | 321.1  | 356.1  | 396.0  | 411.1  | 418.9  | 413.2  | 410.4  | 407.8  | 409.9  | 407.8  |
| 115°   | 360.2  | 379.5  | 425.8  | 467.0  | 497.9  | 501.7  | 500.4  | 500.4  | 499.1  | 499.1  | 499.1  |
| 117.5° | 408.6  | 439.5  | 491.4  | 539.3  | 575.0  | 585.3  | 590.5  | 588.9  | 587.4  | 590.0  | 587.4  |
| 120°   | 442.5  | 478.6  | 537.7  | 591.8  | 626.5  | 641.9  | 647.1  | 644.5  | 647.1  | 644.5  | 647.1  |
| 122.5° | 478.6  | 522.8  | 581.0  | 637.0  | 678.0  | 695.5  | 701.6  | 702.1  | 702.7  | 701.1  | 702.7  |
| 125°   | 532.6  | 586.6  | 654.8  | 712.7  | 755.1  | 775.7  | 780.9  | 782.2  | 784.7  | 791.2  | 784.7  |
| 127.5° | 587.1  | 648.4  | 723.2  | 779.1  | 822.6  | 847.5  | 855.5  | 858.3  | 863.7  | 866.6  | 863.7  |
| 130°   | 625.2  | 694.7  | 770.6  | 823.3  | 865.8  | 892.8  | 906.9  | 910.8  | 917.2  | 916.0  | 917.2  |
| 132.5° | 665.4  | 737.9  | 814.8  | 869.6  | 909.0  | 938.1  | 950.2  | 961.2  | 963.5  | 965.4  | 963.5  |
| 135°   | 724.3  | 802.7  | 879.9  | 934.0  | 971.3  | 999.6  | 1015.0 | 1025.3 | 1031.7 | 1035.6 | 1031.7 |
| 137.5° | 786.3  | 869.1  | 943.2  | 991.3  | 1028.9 | 1053.3 | 1070.8 | 1081.6 | 1088.3 | 1091.4 | 1088.3 |
| 140°   | 828.5  | 908.2  | 980.3  | 1030.4 | 1063.9 | 1088.3 | 1103.8 | 1116.6 | 1124.4 | 1124.4 | 1124.4 |
| 142.5° | 868.6  | 947.3  | 1017.3 | 1067.5 | 1096.8 | 1119.2 | 1135.7 | 1145.5 | 1154.2 | 1154.2 | 1154.2 |
| 145°   | 925.0  | 1003.4 | 1067.8 | 1117.9 | 1142.4 | 1162.9 | 1181.0 | 1188.7 | 1193.8 | 1193.8 | 1193.8 |
| 147.5° | 983.9  | 1053.3 | 1112.0 | 1160.1 | 1180.7 | 1204.9 | 1219.0 | 1225.2 | 1231.6 | 1228.8 | 1231.6 |
| 150°   | 1018.9 | 1083.2 | 1139.8 | 1184.8 | 1205.4 | 1228.6 | 1242.7 | 1247.9 | 1254.3 | 1250.4 | 1254.3 |
| 152.5° | 1052.8 | 1114.1 | 1165.5 | 1207.5 | 1225.0 | 1248.1 | 1264.3 | 1269.5 | 1273.8 | 1271.0 | 1273.8 |
| 155°   | 1098.6 | 1152.7 | 1200.3 | 1238.8 | 1254.3 | 1276.2 | 1291.6 | 1298.0 | 1303.2 | 1296.7 | 1303.2 |
| 157.5° | 1139.5 | 1186.1 | 1227.5 | 1263.0 | 1279.5 | 1298.3 | 1312.7 | 1320.7 | 1325.8 | 1323.0 | 1325.8 |
| 160°   | 1164.2 | 1206.7 | 1244.0 | 1277.4 | 1292.9 | 1309.6 | 1325.0 | 1334.0 | 1339.2 | 1335.3 | 1339.2 |
| 162.5° | 1184.8 | 1223.2 | 1258.4 | 1288.8 | 1302.1 | 1316.8 | 1335.3 | 1343.3 | 1348.5 | 1343.6 | 1348.5 |
| 165°   | 1214.4 | 1245.3 | 1276.2 | 1301.9 | 1313.5 | 1325.0 | 1344.3 | 1353.3 | 1357.2 | 1352.1 | 1357.2 |
| 167.5° | 1236.8 | 1260.5 | 1285.4 | 1307.5 | 1316.0 | 1327.4 | 1346.7 | 1354.1 | 1359.0 | 1352.6 | 1359.0 |
| 170°   | 1249.1 | 1269.7 | 1291.6 | 1309.6 | 1316.0 | 1326.3 | 1345.6 | 1352.1 | 1355.9 | 1349.5 | 1355.9 |
| 172.5° | 1259.4 | 1274.9 | 1292.6 | 1308.6 | 1311.9 | 1320.2 | 1338.4 | 1344.9 | 1347.7 | 1342.3 | 1347.7 |
| 175°   | 1269.7 | 1278.7 | 1291.6 | 1301.9 | 1300.6 | 1305.7 | 1321.2 | 1326.3 | 1331.5 | 1323.8 | 1331.5 |
| 177.5° | 1274.6 | 1278.7 | 1282.8 | 1289.0 | 1284.9 | 1284.9 | 1296.2 | 1299.3 | 1300.3 | 1296.2 | 1300.3 |
| 180°   | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 |

TEST NUMBER: P1428428

CATALOG NUMBER: SQ2W-PW1-K-100U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 120°   | 130°   | 140°   | 150°   | 160°   | 170°   | 180°   | 190°   | 200°   | 210°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1456.8 | 1456.8 | 1456.8 | 1456.8 | 1456.8 | 1456.8 | 1456.8 | 1456.8 | 1456.8 | 1456.8 | 1456.8 |
| 2.5°   | 1455.0 | 1454.3 | 1453.8 | 1456.2 | 1461.7 | 1463.6 | 1455.2 | 1446.9 | 1455.2 | 1463.6 | 1461.7 |
| 5°     | 1455.5 | 1453.6 | 1453.0 | 1455.5 | 1461.0 | 1462.6 | 1452.1 | 1441.6 | 1452.1 | 1462.6 | 1461.0 |
| 7.5°   | 1454.9 | 1451.9 | 1449.8 | 1450.9 | 1455.1 | 1455.6 | 1445.0 | 1434.4 | 1445.0 | 1455.6 | 1455.1 |
| 10°    | 1452.5 | 1449.0 | 1445.9 | 1446.2 | 1449.9 | 1449.9 | 1438.8 | 1427.7 | 1438.8 | 1449.9 | 1449.9 |
| 12.5°  | 1448.1 | 1444.2 | 1440.6 | 1440.2 | 1442.9 | 1442.0 | 1430.4 | 1418.8 | 1430.4 | 1442.0 | 1442.9 |
| 15°    | 1436.8 | 1432.8 | 1428.5 | 1426.6 | 1427.2 | 1424.6 | 1412.3 | 1400.0 | 1412.3 | 1424.6 | 1427.2 |
| 17.5°  | 1406.7 | 1405.5 | 1404.4 | 1404.3 | 1405.1 | 1402.7 | 1390.4 | 1378.0 | 1390.4 | 1402.7 | 1405.1 |
| 20°    | 1376.4 | 1379.6 | 1383.9 | 1387.0 | 1388.9 | 1387.2 | 1374.8 | 1362.5 | 1374.8 | 1387.2 | 1388.9 |
| 22.5°  | 1333.2 | 1343.0 | 1354.7 | 1362.7 | 1367.0 | 1366.9 | 1353.6 | 1340.3 | 1353.6 | 1366.9 | 1367.0 |
| 25°    | 1252.0 | 1272.3 | 1296.4 | 1314.6 | 1326.9 | 1332.9 | 1320.0 | 1307.0 | 1320.0 | 1332.9 | 1326.9 |
| 27.5°  | 1156.7 | 1185.6 | 1219.7 | 1249.0 | 1273.4 | 1289.1 | 1278.6 | 1268.2 | 1278.6 | 1289.1 | 1273.4 |
| 30°    | 1090.2 | 1121.5 | 1159.2 | 1195.8 | 1231.6 | 1256.4 | 1248.4 | 1240.4 | 1248.4 | 1256.4 | 1231.6 |
| 32.5°  | 1026.7 | 1059.4 | 1098.5 | 1140.3 | 1185.0 | 1217.7 | 1214.6 | 1211.5 | 1214.6 | 1217.7 | 1185.0 |
| 35°    | 933.6  | 966.1  | 1005.6 | 1053.4 | 1109.5 | 1153.0 | 1158.5 | 1164.1 | 1158.5 | 1153.0 | 1109.5 |
| 37.5°  | 840.1  | 874.3  | 915.6  | 966.2  | 1026.0 | 1075.0 | 1091.5 | 1108.0 | 1091.5 | 1075.0 | 1026.0 |
| 40°    | 777.9  | 812.1  | 853.5  | 905.2  | 967.5  | 1020.1 | 1043.5 | 1067.0 | 1043.5 | 1020.1 | 967.5  |
| 42.5°  | 719.0  | 753.3  | 794.6  | 846.4  | 908.7  | 962.8  | 992.1  | 1021.5 | 992.1  | 962.8  | 908.7  |
| 45°    | 632.2  | 665.5  | 705.6  | 757.4  | 820.9  | 877.2  | 911.7  | 946.3  | 911.7  | 877.2  | 820.9  |
| 47.5°  | 551.7  | 583.6  | 622.4  | 673.5  | 736.9  | 793.0  | 827.3  | 861.6  | 827.3  | 793.0  | 736.9  |
| 50°    | 498.9  | 531.4  | 570.3  | 619.9  | 680.3  | 734.0  | 767.3  | 800.6  | 767.3  | 734.0  | 680.3  |
| 52.5°  | 444.4  | 478.9  | 518.7  | 568.1  | 627.0  | 678.7  | 708.6  | 738.4  | 708.6  | 678.7  | 627.0  |
| 55°    | 362.3  | 398.2  | 442.6  | 492.6  | 548.1  | 596.8  | 625.1  | 653.5  | 625.1  | 596.8  | 548.1  |
| 57.5°  | 305.0  | 337.4  | 377.8  | 423.0  | 473.2  | 517.0  | 541.5  | 566.1  | 541.5  | 517.0  | 473.2  |
| 60°    | 273.9  | 301.5  | 335.5  | 376.8  | 425.5  | 467.4  | 489.0  | 510.6  | 489.0  | 467.4  | 425.5  |
| 62.5°  | 245.5  | 267.5  | 294.5  | 331.6  | 378.9  | 419.1  | 438.2  | 457.3  | 438.2  | 419.1  | 378.9  |
| 65°    | 205.2  | 223.4  | 245.6  | 276.4  | 315.9  | 349.0  | 363.2  | 377.4  | 363.2  | 349.0  | 315.9  |
| 67.5°  | 168.5  | 184.2  | 203.7  | 228.6  | 259.1  | 283.9  | 291.8  | 299.7  | 291.8  | 283.9  | 259.1  |
| 70°    | 147.7  | 160.5  | 176.5  | 197.8  | 224.3  | 244.8  | 247.3  | 249.7  | 247.3  | 244.8  | 224.3  |
| 72.5°  | 128.0  | 137.9  | 150.5  | 168.3  | 191.4  | 208.4  | 207.4  | 206.5  | 207.4  | 208.4  | 191.4  |
| 75°    | 101.0  | 107.8  | 116.4  | 129.0  | 145.7  | 156.9  | 152.0  | 147.1  | 152.0  | 156.9  | 145.7  |
| 77.5°  | 74.7   | 79.7   | 86.1   | 95.5   | 107.7  | 115.0  | 107.6  | 100.2  | 107.6  | 115.0  | 107.7  |
| 80°    | 58.3   | 62.0   | 66.9   | 74.0   | 83.2   | 88.3   | 80.9   | 73.5   | 80.9   | 88.3   | 83.2   |
| 82.5°  | 43.8   | 45.7   | 48.2   | 52.8   | 59.6   | 63.2   | 57.3   | 51.3   | 57.3   | 63.2   | 59.6   |
| 85°    | 17.9   | 20.8   | 24.5   | 27.6   | 30.1   | 31.1   | 28.1   | 25.0   | 28.1   | 31.1   | 30.1   |
| 87.5°  | 8.7    | 8.8    | 9.3    | 10.6   | 12.3   | 12.7   | 9.9    | 7.4    | 9.9    | 12.5   | 12.8   |
| 90°    | 27.0   | 25.7   | 25.7   | 24.4   | 20.6   | 15.4   | 9.0    | 3.9    | 9.0    | 14.2   | 23.2   |
| 92.5°  | 32.2   | 31.9   | 29.8   | 27.5   | 22.6   | 22.6   | 22.4   | 14.2   | 24.4   | 34.7   | 49.9   |
| 95°    | 29.6   | 29.6   | 34.7   | 43.7   | 64.3   | 65.6   | 43.7   | 39.9   | 56.6   | 79.8   | 100.3  |
| 97.5°  | 80.0   | 95.2   | 116.8  | 120.9  | 114.5  | 85.4   | 81.8   | 76.2   | 103.7  | 126.6  | 159.8  |
| 100°   | 147.9  | 167.2  | 182.7  | 151.8  | 119.6  | 118.4  | 110.6  | 108.1  | 137.6  | 159.5  | 191.7  |
| 102.5° | 231.3  | 237.2  | 183.7  | 166.2  | 158.7  | 153.3  | 141.5  | 140.0  | 169.6  | 199.7  | 226.7  |
| 105°   | 250.9  | 225.1  | 226.4  | 226.4  | 221.3  | 211.0  | 189.1  | 187.8  | 221.3  | 256.0  | 289.5  |
| 107.5° | 295.1  | 299.0  | 305.7  | 304.1  | 298.2  | 270.7  | 244.9  | 239.0  | 269.1  | 310.8  | 347.6  |
| 110°   | 353.8  | 357.6  | 360.2  | 357.6  | 348.6  | 313.9  | 283.0  | 274.0  | 301.0  | 344.8  | 384.6  |



TEST NUMBER: P1428428

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**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 120°   | 130°   | 140°   | 150°   | 160°   | 170°   | 180°   | 190°   | 200°   | 210°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 410.4  | 413.2  | 418.9  | 411.1  | 396.0  | 356.1  | 321.1  | 308.0  | 335.0  | 379.8  | 420.7  |
| 115°   | 500.4  | 500.4  | 501.7  | 497.9  | 467.0  | 425.8  | 379.5  | 360.2  | 383.4  | 424.5  | 469.6  |
| 117.5° | 588.9  | 590.5  | 585.3  | 575.0  | 539.3  | 491.4  | 439.5  | 408.6  | 426.8  | 470.3  | 516.6  |
| 120°   | 644.5  | 647.1  | 641.9  | 626.5  | 591.8  | 537.7  | 478.6  | 442.5  | 456.7  | 499.1  | 545.5  |
| 122.5° | 702.1  | 701.6  | 695.5  | 678.0  | 637.0  | 581.0  | 522.8  | 478.6  | 484.5  | 523.8  | 569.1  |
| 125°   | 782.2  | 780.9  | 775.7  | 755.1  | 712.7  | 654.8  | 586.6  | 532.6  | 524.9  | 558.3  | 604.6  |
| 127.5° | 858.3  | 855.5  | 847.5  | 822.6  | 779.1  | 723.2  | 648.4  | 587.1  | 569.9  | 591.0  | 633.4  |
| 130°   | 910.8  | 906.9  | 892.8  | 865.8  | 823.3  | 770.6  | 694.7  | 625.2  | 600.8  | 613.6  | 650.9  |
| 132.5° | 961.2  | 950.2  | 938.1  | 909.0  | 869.6  | 814.8  | 737.9  | 665.4  | 631.6  | 637.3  | 666.4  |
| 135°   | 1025.3 | 1015.0 | 999.6  | 971.3  | 934.0  | 879.9  | 802.7  | 724.3  | 678.0  | 672.8  | 689.5  |
| 137.5° | 1081.6 | 1070.8 | 1053.3 | 1028.9 | 991.3  | 943.2  | 869.1  | 786.3  | 727.9  | 710.6  | 717.1  |
| 140°   | 1116.6 | 1103.8 | 1088.3 | 1063.9 | 1030.4 | 980.3  | 908.2  | 828.5  | 762.9  | 738.4  | 734.6  |
| 142.5° | 1145.5 | 1135.7 | 1119.2 | 1096.8 | 1067.5 | 1017.3 | 947.3  | 868.6  | 798.9  | 767.2  | 758.2  |
| 145°   | 1188.7 | 1181.0 | 1162.9 | 1142.4 | 1117.9 | 1067.8 | 1003.4 | 925.0  | 855.5  | 814.3  | 795.0  |
| 147.5° | 1225.2 | 1219.0 | 1204.9 | 1180.7 | 1160.1 | 1112.0 | 1053.3 | 983.9  | 912.6  | 861.7  | 836.7  |
| 150°   | 1247.9 | 1242.7 | 1228.6 | 1205.4 | 1184.8 | 1139.8 | 1083.2 | 1018.9 | 950.7  | 896.7  | 864.5  |
| 152.5° | 1269.5 | 1264.3 | 1248.1 | 1225.0 | 1207.5 | 1165.5 | 1114.1 | 1052.8 | 983.6  | 929.6  | 896.4  |
| 155°   | 1298.0 | 1291.6 | 1276.2 | 1254.3 | 1238.8 | 1200.3 | 1152.7 | 1098.6 | 1039.4 | 982.8  | 945.5  |
| 157.5° | 1320.7 | 1312.7 | 1298.3 | 1279.5 | 1263.0 | 1227.5 | 1186.1 | 1139.5 | 1087.8 | 1033.8 | 995.7  |
| 160°   | 1334.0 | 1325.0 | 1309.6 | 1292.9 | 1277.4 | 1244.0 | 1206.7 | 1164.2 | 1116.6 | 1067.8 | 1026.6 |
| 162.5° | 1343.3 | 1335.3 | 1316.8 | 1302.1 | 1288.8 | 1258.4 | 1223.2 | 1184.8 | 1142.4 | 1099.7 | 1061.6 |
| 165°   | 1353.3 | 1344.3 | 1325.0 | 1313.5 | 1301.9 | 1276.2 | 1245.3 | 1214.4 | 1178.4 | 1143.7 | 1112.8 |
| 167.5° | 1354.1 | 1346.7 | 1327.4 | 1316.0 | 1307.5 | 1285.4 | 1260.5 | 1236.8 | 1208.7 | 1181.5 | 1155.7 |
| 170°   | 1352.1 | 1345.6 | 1326.3 | 1316.0 | 1309.6 | 1291.6 | 1269.7 | 1249.1 | 1227.3 | 1204.1 | 1183.5 |
| 172.5° | 1344.9 | 1338.4 | 1320.2 | 1311.9 | 1308.6 | 1292.6 | 1274.9 | 1259.4 | 1240.7 | 1223.7 | 1207.2 |
| 175°   | 1326.3 | 1321.2 | 1305.7 | 1300.6 | 1301.9 | 1291.6 | 1278.7 | 1269.7 | 1258.1 | 1247.9 | 1238.8 |
| 177.5° | 1299.3 | 1296.2 | 1284.9 | 1284.9 | 1289.0 | 1282.8 | 1278.7 | 1274.6 | 1269.5 | 1266.4 | 1263.3 |
| 180°   | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 |



TEST NUMBER: P1428428

CATALOG NUMBER: SQ2W-PW1-K-100U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 230°   | 240°   | 250°   | 260°   | 270°   | 280°   | 290°   | 300°   | 310°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1456.8 | 1456.8 | 1456.8 | 1456.8 | 1456.8 | 1456.8 | 1456.8 | 1456.8 | 1456.8 | 1456.8 | 1456.8 |
| 2.5°   | 1456.2 | 1453.8 | 1454.3 | 1455.0 | 1456.5 | 1458.0 | 1456.5 | 1455.0 | 1454.3 | 1453.8 | 1456.2 |
| 5°     | 1455.5 | 1453.0 | 1453.6 | 1455.5 | 1461.0 | 1466.6 | 1461.0 | 1455.5 | 1453.6 | 1453.0 | 1455.5 |
| 7.5°   | 1450.9 | 1449.8 | 1451.9 | 1454.9 | 1460.3 | 1465.7 | 1460.3 | 1454.9 | 1451.9 | 1449.8 | 1450.9 |
| 10°    | 1446.2 | 1445.9 | 1449.0 | 1452.5 | 1457.5 | 1462.4 | 1457.5 | 1452.5 | 1449.0 | 1445.9 | 1446.2 |
| 12.5°  | 1440.2 | 1440.6 | 1444.2 | 1448.1 | 1453.0 | 1458.0 | 1453.0 | 1448.1 | 1444.2 | 1440.6 | 1440.2 |
| 15°    | 1426.6 | 1428.5 | 1432.8 | 1436.8 | 1439.9 | 1443.0 | 1439.9 | 1436.8 | 1432.8 | 1428.5 | 1426.6 |
| 17.5°  | 1404.3 | 1404.4 | 1405.5 | 1406.7 | 1408.2 | 1409.7 | 1408.2 | 1406.7 | 1405.5 | 1404.4 | 1404.3 |
| 20°    | 1387.0 | 1383.9 | 1379.6 | 1376.4 | 1376.4 | 1376.4 | 1376.4 | 1376.4 | 1379.6 | 1383.9 | 1387.0 |
| 22.5°  | 1362.7 | 1354.7 | 1343.0 | 1333.2 | 1329.3 | 1325.3 | 1329.3 | 1333.2 | 1343.0 | 1354.7 | 1362.7 |
| 25°    | 1314.6 | 1296.4 | 1272.3 | 1252.0 | 1242.7 | 1233.5 | 1242.7 | 1252.0 | 1272.3 | 1296.4 | 1314.6 |
| 27.5°  | 1249.0 | 1219.7 | 1185.6 | 1156.7 | 1143.9 | 1131.1 | 1143.9 | 1156.7 | 1185.6 | 1219.7 | 1249.0 |
| 30°    | 1195.8 | 1159.2 | 1121.5 | 1090.2 | 1077.9 | 1065.6 | 1077.9 | 1090.2 | 1121.5 | 1159.2 | 1195.8 |
| 32.5°  | 1140.3 | 1098.5 | 1059.4 | 1026.7 | 1013.4 | 1000.1 | 1013.4 | 1026.7 | 1059.4 | 1098.5 | 1140.3 |
| 35°    | 1053.4 | 1005.6 | 966.1  | 933.6  | 921.9  | 910.2  | 921.9  | 933.6  | 966.1  | 1005.6 | 1053.4 |
| 37.5°  | 966.2  | 915.6  | 874.3  | 840.1  | 827.1  | 814.2  | 827.1  | 840.1  | 874.3  | 915.6  | 966.2  |
| 40°    | 905.2  | 853.5  | 812.1  | 777.9  | 765.0  | 752.0  | 765.0  | 777.9  | 812.1  | 853.5  | 905.2  |
| 42.5°  | 846.4  | 794.6  | 753.3  | 719.0  | 705.5  | 692.1  | 705.5  | 719.0  | 753.3  | 794.6  | 846.4  |
| 45°    | 757.4  | 705.6  | 665.5  | 632.2  | 619.3  | 606.3  | 619.3  | 632.2  | 665.5  | 705.6  | 757.4  |
| 47.5°  | 673.5  | 622.4  | 583.6  | 551.7  | 540.6  | 529.5  | 540.6  | 551.7  | 583.6  | 622.4  | 673.5  |
| 50°    | 619.9  | 570.3  | 531.4  | 498.9  | 485.3  | 471.7  | 485.3  | 498.9  | 531.4  | 570.3  | 619.9  |
| 52.5°  | 568.1  | 518.7  | 478.9  | 444.4  | 425.9  | 407.4  | 425.9  | 444.4  | 478.9  | 518.7  | 568.1  |
| 55°    | 492.6  | 442.6  | 398.2  | 362.3  | 351.8  | 341.3  | 351.8  | 362.3  | 398.2  | 442.6  | 492.6  |
| 57.5°  | 423.0  | 377.8  | 337.4  | 305.0  | 296.4  | 287.8  | 296.4  | 305.0  | 337.4  | 377.8  | 423.0  |
| 60°    | 376.8  | 335.5  | 301.5  | 273.9  | 265.3  | 256.7  | 265.3  | 273.9  | 301.5  | 335.5  | 376.8  |
| 62.5°  | 331.6  | 294.5  | 267.5  | 245.5  | 238.3  | 231.2  | 238.3  | 245.5  | 267.5  | 294.5  | 331.6  |
| 65°    | 276.4  | 245.6  | 223.4  | 205.2  | 199.0  | 192.9  | 199.0  | 205.2  | 223.4  | 245.6  | 276.4  |
| 67.5°  | 228.6  | 203.7  | 184.2  | 168.5  | 164.5  | 160.4  | 164.5  | 168.5  | 184.2  | 203.7  | 228.6  |
| 70°    | 197.8  | 176.5  | 160.5  | 147.7  | 144.6  | 141.5  | 144.6  | 147.7  | 160.5  | 176.5  | 197.8  |
| 72.5°  | 168.3  | 150.5  | 137.9  | 128.0  | 125.9  | 123.8  | 125.9  | 128.0  | 137.9  | 150.5  | 168.3  |
| 75°    | 129.0  | 116.4  | 107.8  | 101.0  | 99.7   | 98.5   | 99.7   | 101.0  | 107.8  | 116.4  | 129.0  |
| 77.5°  | 95.5   | 86.1   | 79.7   | 74.7   | 73.7   | 72.7   | 73.7   | 74.7   | 79.7   | 86.1   | 95.5   |
| 80°    | 74.0   | 66.9   | 62.0   | 58.3   | 58.3   | 58.3   | 58.3   | 58.3   | 62.0   | 66.9   | 74.0   |
| 82.5°  | 52.8   | 48.2   | 45.7   | 43.8   | 43.8   | 43.8   | 43.8   | 43.8   | 45.7   | 48.2   | 52.8   |
| 85°    | 27.6   | 24.5   | 20.8   | 17.9   | 17.3   | 16.6   | 17.3   | 17.9   | 20.8   | 24.5   | 27.6   |
| 87.5°  | 11.6   | 11.9   | 13.2   | 13.9   | 14.9   | 14.4   | 14.9   | 13.9   | 13.2   | 11.9   | 11.6   |
| 90°    | 29.6   | 38.6   | 47.6   | 52.7   | 57.9   | 55.3   | 57.9   | 52.7   | 47.6   | 38.6   | 29.6   |
| 92.5°  | 59.4   | 74.6   | 85.7   | 94.9   | 99.1   | 98.5   | 99.1   | 94.9   | 85.7   | 74.6   | 59.4   |
| 95°    | 119.6  | 137.6  | 155.7  | 168.5  | 176.2  | 173.7  | 176.2  | 168.5  | 155.7  | 137.6  | 119.6  |
| 97.5°  | 184.5  | 208.7  | 228.7  | 240.8  | 248.5  | 253.7  | 248.5  | 240.8  | 228.7  | 208.7  | 184.5  |
| 100°   | 227.7  | 250.9  | 274.0  | 288.2  | 301.0  | 306.2  | 301.0  | 288.2  | 274.0  | 250.9  | 227.7  |
| 102.5° | 262.7  | 293.1  | 318.3  | 333.4  | 344.3  | 349.4  | 344.3  | 318.3  | 293.1  | 262.7  | 262.7  |
| 105°   | 320.3  | 352.5  | 379.5  | 398.8  | 410.4  | 414.2  | 410.4  | 398.8  | 379.5  | 352.5  | 320.3  |
| 107.5° | 378.0  | 411.1  | 436.1  | 457.5  | 471.6  | 479.8  | 471.6  | 457.5  | 436.1  | 411.1  | 378.0  |
| 110°   | 423.2  | 450.3  | 477.3  | 496.6  | 510.7  | 515.9  | 510.7  | 496.6  | 477.3  | 450.3  | 423.2  |



TEST NUMBER: P1428428

CATALOG NUMBER: SQ2W-PW1-K-100U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 230°   | 240°   | 250°   | 260°   | 270°   | 280°   | 290°   | 300°   | 310°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 461.3  | 491.4  | 518.4  | 537.7  | 553.9  | 561.1  | 553.9  | 537.7  | 518.4  | 491.4  | 461.3  |
| 115°   | 514.6  | 554.5  | 578.9  | 596.9  | 608.5  | 614.9  | 608.5  | 596.9  | 578.9  | 554.5  | 514.6  |
| 117.5° | 558.8  | 600.5  | 627.3  | 641.2  | 646.6  | 651.2  | 646.6  | 641.2  | 627.3  | 600.5  | 558.8  |
| 120°   | 586.6  | 625.2  | 656.1  | 674.1  | 680.5  | 683.1  | 680.5  | 674.1  | 656.1  | 625.2  | 586.6  |
| 122.5° | 612.3  | 648.9  | 678.7  | 700.9  | 711.4  | 714.0  | 711.4  | 700.9  | 678.7  | 648.9  | 612.3  |
| 125°   | 648.4  | 683.1  | 714.0  | 735.8  | 747.4  | 753.9  | 747.4  | 735.8  | 714.0  | 683.1  | 648.4  |
| 127.5° | 679.8  | 717.3  | 745.6  | 765.4  | 776.8  | 781.9  | 776.8  | 765.4  | 745.6  | 717.3  | 679.8  |
| 130°   | 697.3  | 735.8  | 764.1  | 786.0  | 796.3  | 801.5  | 796.3  | 786.0  | 764.1  | 735.8  | 697.3  |
| 132.5° | 710.6  | 751.3  | 780.6  | 800.4  | 811.7  | 816.9  | 811.7  | 800.4  | 780.6  | 751.3  | 710.6  |
| 135°   | 726.8  | 769.3  | 800.2  | 819.5  | 829.8  | 834.9  | 829.8  | 819.5  | 800.2  | 769.3  | 726.8  |
| 137.5° | 741.0  | 779.6  | 811.7  | 832.1  | 841.3  | 844.7  | 841.3  | 832.1  | 811.7  | 779.6  | 741.0  |
| 140°   | 751.3  | 784.7  | 816.9  | 836.2  | 846.5  | 847.8  | 846.5  | 836.2  | 816.9  | 784.7  | 751.3  |
| 142.5° | 764.7  | 790.9  | 819.0  | 838.2  | 848.5  | 850.9  | 848.5  | 838.2  | 819.0  | 790.9  | 764.7  |
| 145°   | 788.6  | 804.0  | 823.3  | 841.3  | 850.3  | 852.9  | 850.3  | 841.3  | 823.3  | 804.0  | 788.6  |
| 147.5° | 818.7  | 823.6  | 833.6  | 845.5  | 854.2  | 856.0  | 854.2  | 845.5  | 833.6  | 823.6  | 818.7  |
| 150°   | 841.3  | 840.1  | 843.9  | 851.6  | 859.3  | 858.1  | 859.3  | 851.6  | 843.9  | 840.1  | 841.3  |
| 152.5° | 867.1  | 859.6  | 859.3  | 862.9  | 866.6  | 866.3  | 866.6  | 862.9  | 859.3  | 859.6  | 867.1  |
| 155°   | 910.8  | 896.7  | 888.9  | 886.4  | 886.4  | 885.1  | 886.4  | 886.4  | 888.9  | 896.7  | 910.8  |
| 157.5° | 958.9  | 939.1  | 927.5  | 921.4  | 919.6  | 916.7  | 919.6  | 921.4  | 927.5  | 939.1  | 958.9  |
| 160°   | 991.9  | 970.0  | 958.4  | 948.1  | 944.3  | 940.4  | 944.3  | 948.1  | 958.4  | 970.0  | 991.9  |
| 162.5° | 1022.7 | 1001.9 | 989.3  | 980.0  | 976.2  | 970.2  | 976.2  | 980.0  | 989.3  | 1001.9 | 1022.7 |
| 165°   | 1072.9 | 1051.0 | 1036.9 | 1029.2 | 1024.0 | 1018.9 | 1024.0 | 1029.2 | 1036.9 | 1051.0 | 1072.9 |
| 167.5° | 1123.1 | 1099.1 | 1089.9 | 1081.1 | 1076.2 | 1067.0 | 1076.2 | 1081.1 | 1089.9 | 1099.1 | 1123.1 |
| 170°   | 1153.9 | 1132.1 | 1126.9 | 1119.2 | 1110.2 | 1099.9 | 1110.2 | 1119.2 | 1126.9 | 1132.1 | 1153.9 |
| 172.5° | 1180.7 | 1166.0 | 1160.9 | 1153.2 | 1150.3 | 1142.1 | 1150.3 | 1153.2 | 1160.9 | 1166.0 | 1180.7 |
| 175°   | 1219.6 | 1208.0 | 1208.0 | 1206.7 | 1202.8 | 1195.1 | 1202.8 | 1206.7 | 1208.0 | 1208.0 | 1219.6 |
| 177.5° | 1252.0 | 1245.8 | 1249.9 | 1249.9 | 1248.9 | 1241.7 | 1248.9 | 1249.9 | 1249.9 | 1245.8 | 1252.0 |
| 180°   | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 | 1273.6 |



TEST NUMBER: P1428428

CATALOG NUMBER: SQ2W-PW1-K-100U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1456.8 | 1456.8 | 1456.8 | 1456.8 |
| 2.5°   | 1461.7 | 1463.6 | 1455.2 | 1446.9 |
| 5°     | 1461.0 | 1462.6 | 1452.1 | 1441.6 |
| 7.5°   | 1455.1 | 1455.6 | 1445.0 | 1434.4 |
| 10°    | 1449.9 | 1449.9 | 1438.8 | 1427.7 |
| 12.5°  | 1442.9 | 1442.0 | 1430.4 | 1418.8 |
| 15°    | 1427.2 | 1424.6 | 1412.3 | 1400.0 |
| 17.5°  | 1405.1 | 1402.7 | 1390.4 | 1378.0 |
| 20°    | 1388.9 | 1387.2 | 1374.8 | 1362.5 |
| 22.5°  | 1367.0 | 1366.9 | 1353.6 | 1340.3 |
| 25°    | 1326.9 | 1332.9 | 1320.0 | 1307.0 |
| 27.5°  | 1273.4 | 1289.1 | 1278.6 | 1268.2 |
| 30°    | 1231.6 | 1256.4 | 1248.4 | 1240.4 |
| 32.5°  | 1185.0 | 1217.7 | 1214.6 | 1211.5 |
| 35°    | 1109.5 | 1153.0 | 1158.5 | 1164.1 |
| 37.5°  | 1026.0 | 1075.0 | 1091.5 | 1108.0 |
| 40°    | 967.5  | 1020.1 | 1043.5 | 1067.0 |
| 42.5°  | 908.7  | 962.8  | 992.1  | 1021.5 |
| 45°    | 820.9  | 877.2  | 911.7  | 946.3  |
| 47.5°  | 736.9  | 793.0  | 827.3  | 861.6  |
| 50°    | 680.3  | 734.0  | 767.3  | 800.6  |
| 52.5°  | 627.0  | 678.7  | 708.6  | 738.4  |
| 55°    | 548.1  | 596.8  | 625.1  | 653.5  |
| 57.5°  | 473.2  | 517.0  | 541.5  | 566.1  |
| 60°    | 425.5  | 467.4  | 489.0  | 510.6  |
| 62.5°  | 378.9  | 419.1  | 438.2  | 457.3  |
| 65°    | 315.9  | 349.0  | 363.2  | 377.4  |
| 67.5°  | 259.1  | 283.9  | 291.8  | 299.7  |
| 70°    | 224.3  | 244.8  | 247.3  | 249.7  |
| 72.5°  | 191.4  | 208.4  | 207.4  | 206.5  |
| 75°    | 145.7  | 156.9  | 152.0  | 147.1  |
| 77.5°  | 107.7  | 115.0  | 107.6  | 100.2  |
| 80°    | 83.2   | 88.3   | 80.9   | 73.5   |
| 82.5°  | 59.6   | 63.2   | 57.3   | 51.3   |
| 85°    | 30.1   | 31.1   | 28.1   | 25.0   |
| 87.5°  | 12.8   | 12.5   | 9.9    | 7.4    |
| 90°    | 23.2   | 14.2   | 9.0    | 3.9    |
| 92.5°  | 49.9   | 34.7   | 24.4   | 14.2   |
| 95°    | 100.3  | 79.8   | 56.6   | 39.9   |
| 97.5°  | 159.8  | 126.6  | 103.7  | 76.2   |
| 100°   | 191.7  | 159.5  | 137.6  | 108.1  |
| 102.5° | 226.7  | 199.7  | 169.6  | 140.0  |
| 105°   | 289.5  | 256.0  | 221.3  | 187.8  |
| 107.5° | 347.6  | 310.8  | 269.1  | 239.0  |
| 110°   | 384.6  | 344.8  | 301.0  | 274.0  |



TEST NUMBER: P1428428

CATALOG NUMBER: SQ2W-PW1-K-100U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|
| 112.5° | 420.7  | 379.8  | 335.0  | 308.0  |
| 115°   | 469.6  | 424.5  | 383.4  | 360.2  |
| 117.5° | 516.6  | 470.3  | 426.8  | 408.6  |
| 120°   | 545.5  | 499.1  | 456.7  | 442.5  |
| 122.5° | 569.1  | 523.8  | 484.5  | 478.6  |
| 125°   | 604.6  | 558.3  | 524.9  | 532.6  |
| 127.5° | 633.4  | 591.0  | 569.9  | 587.1  |
| 130°   | 650.9  | 613.6  | 600.8  | 625.2  |
| 132.5° | 666.4  | 637.3  | 631.6  | 665.4  |
| 135°   | 689.5  | 672.8  | 678.0  | 724.3  |
| 137.5° | 717.1  | 710.6  | 727.9  | 786.3  |
| 140°   | 734.6  | 738.4  | 762.9  | 828.5  |
| 142.5° | 758.2  | 767.2  | 798.9  | 868.6  |
| 145°   | 795.0  | 814.3  | 855.5  | 925.0  |
| 147.5° | 836.7  | 861.7  | 912.6  | 983.9  |
| 150°   | 864.5  | 896.7  | 950.7  | 1018.9 |
| 152.5° | 896.4  | 929.6  | 983.6  | 1052.8 |
| 155°   | 945.5  | 982.8  | 1039.4 | 1098.6 |
| 157.5° | 995.7  | 1033.8 | 1087.8 | 1139.5 |
| 160°   | 1026.6 | 1067.8 | 1116.6 | 1164.2 |
| 162.5° | 1061.6 | 1099.7 | 1142.4 | 1184.8 |
| 165°   | 1112.8 | 1143.7 | 1178.4 | 1214.4 |
| 167.5° | 1155.7 | 1181.5 | 1208.7 | 1236.8 |
| 170°   | 1183.5 | 1204.1 | 1227.3 | 1249.1 |
| 172.5° | 1207.2 | 1223.7 | 1240.7 | 1259.4 |
| 175°   | 1238.8 | 1247.9 | 1258.1 | 1269.7 |
| 177.5° | 1263.3 | 1266.4 | 1269.5 | 1274.6 |
| 180°   | 1273.6 | 1273.6 | 1273.6 | 1273.6 |



TEST NUMBER: P1428428  
 CATALOG NUMBER: SQ2W-PW1-K-100U-075D-L930-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 | 17.55            | 18.35 | 18.55 | 19.35 | 20.67 | 13.80          | 14.60 | 14.79 | 15.60 | 16.92 |
|                 | 3H   | 18.85            | 19.56 | 19.85 | 20.57 | 21.91 | 15.07          | 15.78 | 16.07 | 16.79 | 18.13 |
|                 | 4H   | 19.25            | 19.93 | 20.27 | 20.94 | 22.29 | 15.57          | 16.24 | 16.59 | 17.25 | 18.61 |
|                 | 6H   | 19.43            | 20.05 | 20.46 | 21.07 | 22.43 | 15.87          | 16.49 | 16.90 | 17.51 | 18.87 |
|                 | 8H   | 19.47            | 20.06 | 20.51 | 21.09 | 22.45 | 15.99          | 16.57 | 17.02 | 17.61 | 18.97 |
|                 | 12H  | 19.47            | 20.03 | 20.51 | 21.06 | 22.44 | 16.01          | 16.57 | 17.05 | 17.60 | 18.98 |
| 4H              | 2H   | 17.68            | 18.35 | 18.70 | 19.36 | 20.71 | 14.60          | 15.28 | 15.63 | 16.29 | 17.64 |
|                 | 3H   | 19.21            | 19.77 | 20.24 | 20.81 | 22.18 | 16.04          | 16.60 | 17.08 | 17.64 | 19.01 |
|                 | 4H   | 19.75            | 20.26 | 20.79 | 21.30 | 22.69 | 16.62          | 17.13 | 17.66 | 18.16 | 19.55 |
|                 | 6H   | 20.06            | 20.50 | 21.11 | 21.56 | 22.94 | 17.00          | 17.44 | 18.05 | 18.50 | 19.88 |
|                 | 8H   | 20.15            | 20.56 | 21.20 | 21.61 | 23.01 | 17.15          | 17.56 | 18.20 | 18.61 | 20.01 |
|                 | 12H  | 20.17            | 20.54 | 21.24 | 21.60 | 23.01 | 17.19          | 17.56 | 18.26 | 18.62 | 20.03 |
| 8H              | 4H   | 19.79            | 20.20 | 20.84 | 21.25 | 22.64 | 16.96          | 17.37 | 18.01 | 18.42 | 19.81 |
|                 | 6H   | 20.21            | 20.54 | 21.28 | 21.64 | 23.03 | 17.45          | 17.79 | 18.52 | 18.88 | 20.27 |
|                 | 8H   | 20.38            | 20.67 | 21.46 | 21.75 | 23.16 | 17.67          | 17.96 | 18.75 | 19.04 | 20.45 |
|                 | 12H  | 20.45            | 20.71 | 21.54 | 21.78 | 23.24 | 17.75          | 18.01 | 18.83 | 19.08 | 20.54 |
| 12H             | 4H   | 19.74            | 20.11 | 20.81 | 21.18 | 22.58 | 16.97          | 17.34 | 18.04 | 18.41 | 19.81 |
|                 | 6H   | 20.20            | 20.50 | 21.28 | 21.57 | 22.99 | 17.52          | 17.82 | 18.60 | 18.90 | 20.31 |
|                 | 8H   | 20.39            | 20.65 | 21.47 | 21.72 | 23.18 | 17.76          | 18.03 | 18.85 | 19.10 | 20.55 |