

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: P1427713

Luminaire Tested: SQ2W-F-K-050U-100D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427713
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-F-K-050U-100D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

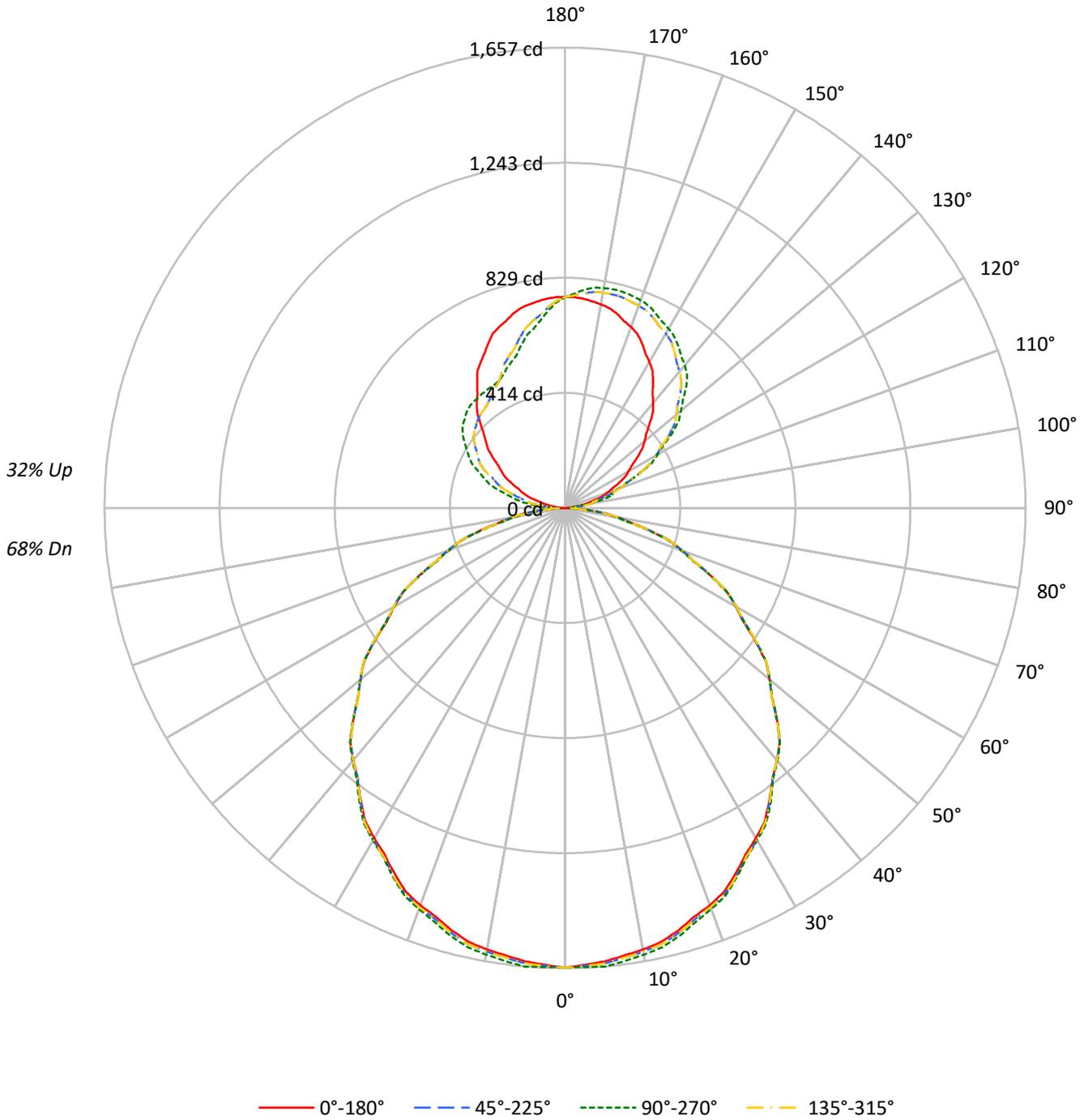
Lumens per Lamp: N/A
Luminaire Lumens: 6875.6 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 52.5
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: P1427713

CATALOG NUMBER: SQ2W-F-K-050U-100D-L840-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427713

CATALOG NUMBER: SQ2W-F-K-050U-100D-L840-UNV-STD-W-WM-4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 111 | 111 | 111 | 111 | 105 | 105 | 105 | 105 | 93 | 93 | 93 | 82 | 82 | 82 | 72 | 72 | 72 | 68 |
| 1 | 102 | 97 | 93 | 89 | 96 | 92 | 88 | 85 | 82 | 79 | 76 | 72 | 70 | 68 | 64 | 62 | 61 | 57 |
| 2 | 92 | 84 | 78 | 73 | 87 | 80 | 74 | 69 | 71 | 67 | 63 | 63 | 60 | 57 | 56 | 53 | 51 | 47 |
| 3 | 84 | 74 | 66 | 60 | 79 | 70 | 63 | 58 | 63 | 57 | 53 | 56 | 51 | 48 | 49 | 46 | 43 | 40 |
| 4 | 77 | 66 | 57 | 51 | 72 | 62 | 55 | 49 | 56 | 50 | 45 | 50 | 45 | 41 | 44 | 40 | 37 | 34 |
| 5 | 71 | 58 | 50 | 44 | 66 | 55 | 48 | 42 | 50 | 43 | 39 | 44 | 39 | 35 | 39 | 35 | 32 | 29 |
| 6 | 65 | 52 | 44 | 38 | 61 | 50 | 42 | 36 | 45 | 38 | 34 | 40 | 35 | 31 | 36 | 31 | 28 | 26 |
| 7 | 60 | 47 | 39 | 33 | 57 | 45 | 37 | 32 | 41 | 34 | 30 | 36 | 31 | 27 | 33 | 28 | 25 | 23 |
| 8 | 56 | 43 | 35 | 29 | 53 | 41 | 34 | 28 | 37 | 31 | 26 | 33 | 28 | 24 | 30 | 26 | 22 | 20 |
| 9 | 52 | 39 | 32 | 26 | 49 | 38 | 30 | 25 | 34 | 28 | 24 | 31 | 26 | 22 | 28 | 23 | 20 | 18 |
| 10 | 49 | 36 | 29 | 24 | 46 | 35 | 28 | 23 | 31 | 25 | 21 | 28 | 23 | 20 | 26 | 21 | 18 | 16 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 26719 | 26719 | 26719 | 26719 |
| 5° | 26557 | 26859 | 26557 | 26859 |
| 10° | 26463 | 26767 | 26463 | 26767 |
| 15° | 26318 | 26649 | 26318 | 26649 |
| 20° | 26151 | 26412 | 26151 | 26412 |
| 25° | 25869 | 26097 | 25869 | 26097 |
| 30° | 25593 | 25769 | 25593 | 25769 |
| 35° | 25266 | 25428 | 25266 | 25428 |
| 40° | 24980 | 25054 | 24980 | 25054 |
| 45° | 24614 | 24614 | 24614 | 24614 |
| 50° | 24121 | 24179 | 24121 | 24179 |
| 55° | 23555 | 23586 | 23555 | 23586 |
| 60° | 22917 | 22917 | 22917 | 22917 |
| 65° | 22173 | 22082 | 22173 | 22082 |
| 70° | 21125 | 20908 | 21125 | 20908 |
| 75° | 19700 | 19263 | 19700 | 19263 |
| 80° | 17554 | 16690 | 17554 | 16690 |
| 85° | 14042 | 11874 | 14042 | 11874 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 24779 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 156.6 | 2.3 |
| 10°-20° | 447.4 | 6.5 |
| 20°-30° | 673.5 | 9.8 |
| 30°-40° | 805.4 | 11.7 |
| 40°-50° | 831.6 | 12.1 |
| 50°-60° | 750.1 | 10.9 |
| 60°-70° | 574.6 | 8.4 |
| 70°-80° | 332.1 | 4.8 |
| 80°-90° | 89.4 | 1.3 |
| 90°-100° | 60.4 | 0.9 |
| 100°-110° | 176.1 | 2.6 |
| 110°-120° | 287.3 | 4.2 |
| 120°-130° | 364.6 | 5.3 |
| 130°-140° | 390.1 | 5.7 |
| 140°-150° | 364.3 | 5.3 |
| 150°-160° | 299.8 | 4.4 |
| 160°-170° | 201.0 | 2.9 |
| 170°-180° | 71.4 | 1.0 |
| 0°-30° | 1277.5 | 18.6 |
| 0°-40° | 2082.8 | 30.3 |
| 0°-60° | 3664.5 | 53.3 |
| 0°-90° | 4660.6 | 67.8 |
| 90°-120° | 523.8 | 7.6 |
| 90°-150° | 1642.8 | 23.9 |
| 90°-180° | 2215.0 | 32.2 |
| 0°-180° | 6875.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1655 | 1655 | 1655 | 1655 | 1655 | |
| 5° | 1639 | 1657 | 1639 | 1657 | 1639 | 156 |
| 15° | 1574 | 1594 | 1574 | 1594 | 1574 | 444 |
| 25° | 1452 | 1465 | 1452 | 1465 | 1452 | 669 |
| 35° | 1282 | 1290 | 1282 | 1290 | 1282 | 802 |
| 45° | 1078 | 1078 | 1078 | 1078 | 1078 | 831 |
| 55° | 837 | 838 | 837 | 838 | 837 | 748 |
| 65° | 580 | 578 | 580 | 578 | 580 | 574 |
| 75° | 316 | 309 | 316 | 309 | 316 | 334 |
| 85° | 76 | 64 | 76 | 64 | 76 | 88 |
| 90° | 2 | 17 | 2 | 33 | 2 | 5 |
| 95° | 24 | 18 | 24 | 103 | 24 | 29 |
| 105° | 112 | 179 | 112 | 247 | 112 | 119 |
| 115° | 215 | 297 | 215 | 366 | 215 | 211 |
| 125° | 317 | 471 | 317 | 449 | 317 | 284 |
| 135° | 431 | 617 | 431 | 497 | 431 | 333 |
| 145° | 551 | 711 | 551 | 508 | 551 | 345 |
| 155° | 654 | 772 | 654 | 527 | 654 | 301 |
| 165° | 723 | 805 | 723 | 607 | 723 | 204 |
| 175° | 756 | 788 | 756 | 712 | 756 | 72 |
| 180° | 759 | 759 | 759 | 759 | 759 | |



TEST NUMBER: P1427713

CATALOG NUMBER: SQ2W-F-K-050U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1654.9 | 1654.9 | 1654.9 | 1654.9 | 1654.9 | 1654.9 | 1654.9 | 1654.9 | 1654.9 | 1654.9 | 1654.9 |
| 2.5° | 1646.5 | 1654.4 | 1662.2 | 1658.9 | 1651.9 | 1649.2 | 1650.8 | 1652.3 | 1653.1 | 1653.9 | 1653.1 |
| 5° | 1638.6 | 1648.9 | 1659.3 | 1655.6 | 1647.4 | 1643.7 | 1644.8 | 1646.8 | 1652.0 | 1657.2 | 1652.0 |
| 7.5° | 1625.3 | 1635.6 | 1646.0 | 1642.7 | 1634.8 | 1631.5 | 1632.7 | 1635.0 | 1640.4 | 1645.8 | 1640.4 |
| 10° | 1614.1 | 1624.4 | 1634.8 | 1631.2 | 1622.9 | 1619.8 | 1621.9 | 1624.4 | 1628.6 | 1632.7 | 1628.6 |
| 12.5° | 1600.1 | 1610.5 | 1620.8 | 1617.8 | 1610.4 | 1607.2 | 1608.5 | 1610.6 | 1615.1 | 1619.7 | 1615.1 |
| 15° | 1574.5 | 1584.8 | 1595.2 | 1592.3 | 1585.1 | 1582.2 | 1583.8 | 1586.0 | 1590.1 | 1594.3 | 1590.1 |
| 17.5° | 1543.5 | 1553.2 | 1562.9 | 1560.3 | 1553.6 | 1551.1 | 1552.9 | 1555.1 | 1558.7 | 1562.3 | 1558.7 |
| 20° | 1522.0 | 1531.3 | 1540.7 | 1537.9 | 1531.2 | 1528.1 | 1528.6 | 1529.9 | 1533.5 | 1537.2 | 1533.5 |
| 22.5° | 1495.9 | 1505.2 | 1514.6 | 1512.1 | 1505.8 | 1502.1 | 1501.0 | 1501.2 | 1505.7 | 1510.1 | 1505.7 |
| 25° | 1452.1 | 1461.4 | 1470.7 | 1468.8 | 1463.1 | 1459.5 | 1457.9 | 1457.7 | 1461.3 | 1464.9 | 1461.3 |
| 27.5° | 1406.4 | 1414.2 | 1421.9 | 1420.3 | 1415.5 | 1412.6 | 1411.6 | 1411.5 | 1414.1 | 1416.7 | 1414.1 |
| 30° | 1372.8 | 1380.6 | 1388.4 | 1386.4 | 1381.3 | 1378.2 | 1377.1 | 1377.0 | 1379.6 | 1382.2 | 1379.6 |
| 32.5° | 1337.4 | 1344.8 | 1352.1 | 1349.5 | 1343.4 | 1340.3 | 1340.1 | 1340.7 | 1343.7 | 1346.7 | 1343.7 |
| 35° | 1281.9 | 1288.2 | 1294.4 | 1291.7 | 1286.0 | 1283.4 | 1283.9 | 1284.9 | 1287.5 | 1290.1 | 1287.5 |
| 37.5° | 1226.2 | 1231.0 | 1235.8 | 1233.0 | 1227.7 | 1225.0 | 1224.9 | 1225.4 | 1227.6 | 1229.7 | 1227.6 |
| 40° | 1185.2 | 1190.4 | 1195.6 | 1192.6 | 1186.9 | 1183.8 | 1183.3 | 1183.5 | 1186.1 | 1188.7 | 1186.1 |
| 42.5° | 1143.3 | 1147.2 | 1151.1 | 1148.5 | 1143.6 | 1141.3 | 1141.6 | 1142.2 | 1143.5 | 1144.9 | 1143.5 |
| 45° | 1078.0 | 1081.6 | 1085.2 | 1082.7 | 1078.0 | 1075.7 | 1075.7 | 1075.9 | 1077.0 | 1078.0 | 1077.0 |
| 47.5° | 1009.7 | 1012.5 | 1015.3 | 1013.3 | 1009.7 | 1007.5 | 1006.9 | 1006.9 | 1008.5 | 1010.2 | 1008.5 |
| 50° | 960.3 | 963.9 | 967.5 | 965.7 | 962.1 | 959.8 | 958.7 | 958.5 | 960.6 | 962.6 | 960.6 |
| 52.5° | 911.8 | 915.9 | 919.9 | 918.2 | 914.6 | 912.0 | 910.6 | 909.9 | 911.6 | 913.2 | 911.6 |
| 55° | 836.8 | 841.4 | 846.1 | 844.9 | 841.8 | 839.2 | 837.1 | 835.9 | 836.9 | 837.9 | 836.9 |
| 57.5° | 760.1 | 764.6 | 769.2 | 768.3 | 765.6 | 763.0 | 760.5 | 759.0 | 760.5 | 761.9 | 760.5 |
| 60° | 709.7 | 713.9 | 718.0 | 716.7 | 713.6 | 711.0 | 709.0 | 707.7 | 708.7 | 709.7 | 708.7 |
| 62.5° | 658.5 | 662.6 | 666.7 | 665.1 | 661.6 | 658.8 | 656.7 | 655.4 | 656.5 | 657.5 | 656.5 |
| 65° | 580.4 | 584.0 | 587.6 | 586.2 | 583.1 | 580.5 | 578.4 | 577.0 | 577.5 | 578.0 | 577.5 |
| 67.5° | 501.6 | 504.7 | 507.8 | 506.3 | 503.3 | 500.3 | 497.3 | 495.3 | 496.1 | 496.9 | 496.1 |
| 70° | 447.5 | 450.6 | 453.7 | 452.6 | 450.0 | 447.4 | 444.8 | 442.9 | 442.9 | 442.9 | 442.9 |
| 72.5° | 395.3 | 398.0 | 400.7 | 399.1 | 396.1 | 393.5 | 391.3 | 389.7 | 389.7 | 389.7 | 389.7 |
| 75° | 315.8 | 317.4 | 318.9 | 318.2 | 316.6 | 314.5 | 311.9 | 309.9 | 309.3 | 308.8 | 309.3 |
| 77.5° | 239.1 | 239.1 | 239.1 | 237.7 | 235.7 | 233.7 | 231.8 | 230.1 | 229.5 | 228.9 | 229.5 |
| 80° | 188.8 | 188.8 | 188.8 | 187.6 | 186.1 | 184.5 | 183.0 | 181.5 | 180.5 | 179.5 | 180.5 |
| 82.5° | 142.2 | 141.4 | 140.5 | 139.1 | 137.6 | 135.6 | 133.2 | 131.7 | 132.8 | 133.8 | 132.8 |
| 85° | 75.8 | 74.7 | 73.7 | 72.3 | 70.7 | 68.9 | 66.8 | 65.1 | 64.6 | 64.1 | 64.6 |
| 87.5° | 23.8 | 23.6 | 23.5 | 23.0 | 22.2 | 20.9 | 19.2 | 18.0 | 17.8 | 17.4 | 17.8 |
| 90° | 2.3 | 5.4 | 9.2 | 12.3 | 14.6 | 15.3 | 15.3 | 16.1 | 16.9 | 16.9 | 16.9 |
| 92.5° | 8.4 | 13.3 | 13.5 | 13.5 | 16.4 | 17.8 | 19.0 | 19.2 | 19.9 | 19.9 | 19.9 |
| 95° | 23.8 | 26.1 | 39.1 | 38.3 | 26.1 | 20.7 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 |
| 97.5° | 45.4 | 48.7 | 50.9 | 68.2 | 72.0 | 69.6 | 56.7 | 47.7 | 42.6 | 40.3 | 42.6 |
| 100° | 64.4 | 65.9 | 70.5 | 71.3 | 90.4 | 108.8 | 99.6 | 88.1 | 84.3 | 82.0 | 84.3 |
| 102.5° | 83.4 | 84.3 | 91.3 | 94.6 | 99.0 | 109.4 | 141.3 | 137.8 | 135.2 | 134.7 | 135.2 |
| 105° | 111.9 | 112.6 | 125.7 | 131.8 | 134.9 | 134.9 | 134.1 | 149.4 | 173.9 | 179.3 | 173.9 |
| 107.5° | 142.4 | 145.9 | 161.2 | 177.6 | 181.1 | 182.1 | 178.1 | 175.8 | 174.9 | 175.5 | 174.9 |
| 110° | 163.2 | 168.6 | 187.0 | 207.7 | 213.0 | 214.6 | 213.0 | 210.7 | 209.2 | 209.2 | 209.2 |

TEST NUMBER: P1427713

CATALOG NUMBER: SQ2W-F-K-050U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 183.4 | 191.3 | 212.1 | 235.9 | 244.9 | 249.5 | 246.1 | 244.4 | 242.9 | 244.1 | 242.9 |
| 115° | 214.6 | 226.1 | 253.6 | 278.2 | 296.6 | 298.8 | 298.1 | 298.1 | 297.3 | 297.3 | 297.3 |
| 117.5° | 243.4 | 261.8 | 292.7 | 321.2 | 342.5 | 348.7 | 351.7 | 350.8 | 349.9 | 351.4 | 349.9 |
| 120° | 263.6 | 285.1 | 320.3 | 352.5 | 373.2 | 382.4 | 385.4 | 383.9 | 385.4 | 383.9 | 385.4 |
| 122.5° | 285.1 | 311.4 | 346.1 | 379.5 | 403.8 | 414.3 | 417.9 | 418.2 | 418.5 | 417.6 | 418.5 |
| 125° | 317.2 | 349.4 | 390.0 | 424.5 | 449.8 | 462.1 | 465.1 | 465.9 | 467.4 | 471.3 | 467.4 |
| 127.5° | 349.7 | 386.2 | 430.8 | 464.1 | 490.0 | 504.8 | 509.6 | 511.3 | 514.5 | 516.2 | 514.5 |
| 130° | 372.4 | 413.8 | 459.0 | 490.4 | 515.7 | 531.8 | 540.2 | 542.5 | 546.4 | 545.6 | 546.4 |
| 132.5° | 396.3 | 439.5 | 485.4 | 518.0 | 541.5 | 558.8 | 566.0 | 572.6 | 573.9 | 575.0 | 573.9 |
| 135° | 431.4 | 478.2 | 524.1 | 556.3 | 578.5 | 595.4 | 604.6 | 610.7 | 614.6 | 616.9 | 614.6 |
| 137.5° | 468.4 | 517.7 | 561.8 | 590.5 | 612.9 | 627.4 | 637.9 | 644.3 | 648.3 | 650.1 | 648.3 |
| 140° | 493.5 | 541.0 | 583.9 | 613.8 | 633.7 | 648.3 | 657.5 | 665.1 | 669.7 | 669.7 | 669.7 |
| 142.5° | 517.4 | 564.3 | 606.0 | 635.9 | 653.3 | 666.7 | 676.5 | 682.3 | 687.5 | 687.5 | 687.5 |
| 145° | 551.0 | 597.7 | 636.0 | 665.9 | 680.5 | 692.7 | 703.4 | 708.0 | 711.1 | 711.1 | 711.1 |
| 147.5° | 586.1 | 627.4 | 662.4 | 691.0 | 703.3 | 717.7 | 726.1 | 729.8 | 733.6 | 732.0 | 733.6 |
| 150° | 606.9 | 645.2 | 678.9 | 705.7 | 718.0 | 731.8 | 740.2 | 743.3 | 747.1 | 744.8 | 747.1 |
| 152.5° | 627.1 | 663.6 | 694.2 | 719.2 | 729.7 | 743.4 | 753.1 | 756.2 | 758.8 | 757.1 | 758.8 |
| 155° | 654.4 | 686.6 | 714.9 | 737.9 | 747.1 | 760.1 | 769.3 | 773.2 | 776.2 | 772.4 | 776.2 |
| 157.5° | 678.8 | 706.5 | 731.2 | 752.3 | 762.1 | 773.3 | 781.9 | 786.7 | 789.7 | 788.0 | 789.7 |
| 160° | 693.5 | 718.8 | 741.0 | 760.9 | 770.1 | 780.1 | 789.3 | 794.6 | 797.7 | 795.4 | 797.7 |
| 162.5° | 705.7 | 728.6 | 749.6 | 767.7 | 775.6 | 784.4 | 795.4 | 800.1 | 803.2 | 800.3 | 803.2 |
| 165° | 723.4 | 741.8 | 760.1 | 775.5 | 782.4 | 789.3 | 800.8 | 806.1 | 808.4 | 805.4 | 808.4 |
| 167.5° | 736.7 | 750.8 | 765.7 | 778.8 | 783.9 | 790.6 | 802.1 | 806.6 | 809.5 | 805.7 | 809.5 |
| 170° | 744.1 | 756.3 | 769.3 | 780.1 | 783.9 | 790.0 | 801.5 | 805.4 | 807.7 | 803.8 | 807.7 |
| 172.5° | 750.2 | 759.4 | 770.0 | 779.5 | 781.5 | 786.4 | 797.2 | 801.1 | 802.8 | 799.5 | 802.8 |
| 175° | 756.3 | 761.7 | 769.3 | 775.5 | 774.7 | 777.8 | 787.0 | 790.0 | 793.1 | 788.5 | 793.1 |
| 177.5° | 759.2 | 761.7 | 764.1 | 767.8 | 765.4 | 765.4 | 772.1 | 773.9 | 774.6 | 772.1 | 774.6 |
| 180° | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 |



TEST NUMBER: P1427713

CATALOG NUMBER: SQ2W-F-K-050U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1654.9 | 1654.9 | 1654.9 | 1654.9 | 1654.9 | 1654.9 | 1654.9 | 1654.9 | 1654.9 | 1654.9 | 1654.9 |
| 2.5° | 1652.3 | 1650.8 | 1649.2 | 1651.9 | 1658.9 | 1662.2 | 1654.4 | 1646.5 | 1654.4 | 1662.2 | 1658.9 |
| 5° | 1646.8 | 1644.8 | 1643.7 | 1647.4 | 1655.6 | 1659.3 | 1648.9 | 1638.6 | 1648.9 | 1659.3 | 1655.6 |
| 7.5° | 1635.0 | 1632.7 | 1631.5 | 1634.8 | 1642.7 | 1646.0 | 1635.6 | 1625.3 | 1635.6 | 1646.0 | 1642.7 |
| 10° | 1624.4 | 1621.9 | 1619.8 | 1622.9 | 1631.2 | 1634.8 | 1624.4 | 1614.1 | 1624.4 | 1634.8 | 1631.2 |
| 12.5° | 1610.6 | 1608.5 | 1607.2 | 1610.4 | 1617.8 | 1620.8 | 1610.5 | 1600.1 | 1610.5 | 1620.8 | 1617.8 |
| 15° | 1586.0 | 1583.8 | 1582.2 | 1585.1 | 1592.3 | 1595.2 | 1584.8 | 1574.5 | 1584.8 | 1595.2 | 1592.3 |
| 17.5° | 1555.1 | 1552.9 | 1551.1 | 1553.6 | 1560.3 | 1562.9 | 1553.2 | 1543.5 | 1553.2 | 1562.9 | 1560.3 |
| 20° | 1529.9 | 1528.6 | 1528.1 | 1531.2 | 1537.9 | 1540.7 | 1531.3 | 1522.0 | 1531.3 | 1540.7 | 1537.9 |
| 22.5° | 1501.2 | 1501.0 | 1502.1 | 1505.8 | 1512.1 | 1514.6 | 1505.2 | 1495.9 | 1505.2 | 1514.6 | 1512.1 |
| 25° | 1457.7 | 1457.9 | 1459.5 | 1463.1 | 1468.8 | 1470.7 | 1461.4 | 1452.1 | 1461.4 | 1470.7 | 1468.8 |
| 27.5° | 1411.5 | 1411.6 | 1412.6 | 1415.5 | 1420.3 | 1421.9 | 1414.2 | 1406.4 | 1414.2 | 1421.9 | 1420.3 |
| 30° | 1377.0 | 1377.1 | 1378.2 | 1381.3 | 1386.4 | 1388.4 | 1380.6 | 1372.8 | 1380.6 | 1388.4 | 1386.4 |
| 32.5° | 1340.7 | 1340.1 | 1340.3 | 1343.4 | 1349.5 | 1352.1 | 1344.8 | 1337.4 | 1344.8 | 1352.1 | 1349.5 |
| 35° | 1284.9 | 1283.9 | 1283.4 | 1286.0 | 1291.7 | 1294.4 | 1288.2 | 1281.9 | 1288.2 | 1294.4 | 1291.7 |
| 37.5° | 1225.4 | 1224.9 | 1225.0 | 1227.7 | 1233.0 | 1235.8 | 1231.0 | 1226.2 | 1231.0 | 1235.8 | 1233.0 |
| 40° | 1183.5 | 1183.3 | 1183.8 | 1186.9 | 1192.6 | 1195.6 | 1190.4 | 1185.2 | 1190.4 | 1195.6 | 1192.6 |
| 42.5° | 1142.2 | 1141.6 | 1141.3 | 1143.6 | 1148.5 | 1151.1 | 1147.2 | 1143.3 | 1147.2 | 1151.1 | 1148.5 |
| 45° | 1075.9 | 1075.7 | 1075.7 | 1078.0 | 1082.7 | 1085.2 | 1081.6 | 1078.0 | 1081.6 | 1085.2 | 1082.7 |
| 47.5° | 1006.9 | 1006.9 | 1007.5 | 1009.7 | 1013.3 | 1015.3 | 1012.5 | 1009.7 | 1012.5 | 1015.3 | 1013.3 |
| 50° | 958.5 | 958.7 | 959.8 | 962.1 | 965.7 | 967.5 | 963.9 | 960.3 | 963.9 | 967.5 | 965.7 |
| 52.5° | 909.9 | 910.6 | 912.0 | 914.6 | 918.2 | 919.9 | 915.9 | 911.8 | 915.9 | 919.9 | 918.2 |
| 55° | 835.9 | 837.1 | 839.2 | 841.8 | 844.9 | 846.1 | 841.4 | 836.8 | 841.4 | 846.1 | 844.9 |
| 57.5° | 759.0 | 760.5 | 763.0 | 765.6 | 768.3 | 769.2 | 764.6 | 760.1 | 764.6 | 769.2 | 768.3 |
| 60° | 707.7 | 709.0 | 711.0 | 713.6 | 716.7 | 718.0 | 713.9 | 709.7 | 713.9 | 718.0 | 716.7 |
| 62.5° | 655.4 | 656.7 | 658.8 | 661.6 | 665.1 | 666.7 | 662.6 | 658.5 | 662.6 | 666.7 | 665.1 |
| 65° | 577.0 | 578.4 | 580.5 | 583.1 | 586.2 | 587.6 | 584.0 | 580.4 | 584.0 | 587.6 | 586.2 |
| 67.5° | 495.3 | 497.3 | 500.3 | 503.3 | 506.3 | 507.8 | 504.7 | 501.6 | 504.7 | 507.8 | 506.3 |
| 70° | 442.9 | 444.8 | 447.4 | 450.0 | 452.6 | 453.7 | 450.6 | 447.5 | 450.6 | 453.7 | 452.6 |
| 72.5° | 389.7 | 391.3 | 393.5 | 396.1 | 399.1 | 400.7 | 398.0 | 395.3 | 398.0 | 400.7 | 399.1 |
| 75° | 309.9 | 311.9 | 314.5 | 316.6 | 318.2 | 318.9 | 317.4 | 315.8 | 317.4 | 318.9 | 318.2 |
| 77.5° | 230.1 | 231.8 | 233.7 | 235.7 | 237.7 | 239.1 | 239.1 | 239.1 | 239.1 | 239.1 | 237.7 |
| 80° | 181.5 | 183.0 | 184.5 | 186.1 | 187.6 | 188.8 | 188.8 | 188.8 | 188.8 | 188.8 | 187.6 |
| 82.5° | 131.7 | 133.2 | 135.6 | 137.6 | 139.1 | 140.5 | 141.4 | 142.2 | 141.4 | 140.5 | 139.1 |
| 85° | 65.1 | 66.8 | 68.9 | 70.7 | 72.3 | 73.7 | 74.7 | 75.8 | 74.7 | 73.7 | 72.3 |
| 87.5° | 18.0 | 19.2 | 20.9 | 22.2 | 23.0 | 23.5 | 23.6 | 23.8 | 23.6 | 23.3 | 23.3 |
| 90° | 16.1 | 15.3 | 15.3 | 14.6 | 12.3 | 9.2 | 5.4 | 2.3 | 5.4 | 8.4 | 13.8 |
| 92.5° | 19.2 | 19.0 | 17.8 | 16.4 | 13.5 | 13.5 | 13.3 | 8.4 | 14.6 | 20.7 | 29.7 |
| 95° | 17.6 | 17.6 | 20.7 | 26.1 | 38.3 | 39.1 | 26.1 | 23.8 | 33.7 | 47.5 | 59.8 |
| 97.5° | 47.7 | 56.7 | 69.6 | 72.0 | 68.2 | 50.9 | 48.7 | 45.4 | 61.8 | 75.4 | 95.2 |
| 100° | 88.1 | 99.6 | 108.8 | 90.4 | 71.3 | 70.5 | 65.9 | 64.4 | 82.0 | 95.0 | 114.2 |
| 102.5° | 137.8 | 141.3 | 109.4 | 99.0 | 94.6 | 91.3 | 84.3 | 83.4 | 101.0 | 118.9 | 135.0 |
| 105° | 149.4 | 134.1 | 134.9 | 134.9 | 131.8 | 125.7 | 112.6 | 111.9 | 131.8 | 152.5 | 172.4 |
| 107.5° | 175.8 | 178.1 | 182.1 | 181.1 | 177.6 | 161.2 | 145.9 | 142.4 | 160.3 | 185.1 | 207.0 |
| 110° | 210.7 | 213.0 | 214.6 | 213.0 | 207.7 | 187.0 | 168.6 | 163.2 | 179.3 | 205.4 | 229.1 |



TEST NUMBER: P1427713

CATALOG NUMBER: SQ2W-F-K-050U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 244.4 | 246.1 | 249.5 | 244.9 | 235.9 | 212.1 | 191.3 | 183.4 | 199.5 | 226.2 | 250.6 |
| 115° | 298.1 | 298.1 | 298.8 | 296.6 | 278.2 | 253.6 | 226.1 | 214.6 | 228.4 | 252.9 | 279.7 |
| 117.5° | 350.8 | 351.7 | 348.7 | 342.5 | 321.2 | 292.7 | 261.8 | 243.4 | 254.3 | 280.2 | 307.7 |
| 120° | 383.9 | 385.4 | 382.4 | 373.2 | 352.5 | 320.3 | 285.1 | 263.6 | 272.0 | 297.3 | 324.9 |
| 122.5° | 418.2 | 417.9 | 414.3 | 403.8 | 379.5 | 346.1 | 311.4 | 285.1 | 288.6 | 312.0 | 339.0 |
| 125° | 465.9 | 465.1 | 462.1 | 449.8 | 424.5 | 390.0 | 349.4 | 317.2 | 312.6 | 332.6 | 360.2 |
| 127.5° | 511.3 | 509.6 | 504.8 | 490.0 | 464.1 | 430.8 | 386.2 | 349.7 | 339.5 | 352.0 | 377.3 |
| 130° | 542.5 | 540.2 | 531.8 | 515.7 | 490.4 | 459.0 | 413.8 | 372.4 | 357.9 | 365.5 | 387.7 |
| 132.5° | 572.6 | 566.0 | 558.8 | 541.5 | 518.0 | 485.4 | 439.5 | 396.3 | 376.2 | 379.6 | 396.9 |
| 135° | 610.7 | 604.6 | 595.4 | 578.5 | 556.3 | 524.1 | 478.2 | 431.4 | 403.8 | 400.8 | 410.7 |
| 137.5° | 644.3 | 637.9 | 627.4 | 612.9 | 590.5 | 561.8 | 517.7 | 468.4 | 433.6 | 423.3 | 427.1 |
| 140° | 665.1 | 657.5 | 648.3 | 633.7 | 613.8 | 583.9 | 541.0 | 493.5 | 454.4 | 439.8 | 437.5 |
| 142.5° | 682.3 | 676.5 | 666.7 | 653.3 | 635.9 | 606.0 | 564.3 | 517.4 | 475.9 | 457.0 | 451.6 |
| 145° | 708.0 | 703.4 | 692.7 | 680.5 | 665.9 | 636.0 | 597.7 | 551.0 | 509.6 | 485.1 | 473.6 |
| 147.5° | 729.8 | 726.1 | 717.7 | 703.3 | 691.0 | 662.4 | 627.4 | 586.1 | 543.6 | 513.3 | 498.4 |
| 150° | 743.3 | 740.2 | 731.8 | 718.0 | 705.7 | 678.9 | 645.2 | 606.9 | 566.3 | 534.1 | 514.9 |
| 152.5° | 756.2 | 753.1 | 743.4 | 729.7 | 719.2 | 694.2 | 663.6 | 627.1 | 585.9 | 553.7 | 533.9 |
| 155° | 773.2 | 769.3 | 760.1 | 747.1 | 737.9 | 714.9 | 686.6 | 654.4 | 619.2 | 585.4 | 563.2 |
| 157.5° | 786.7 | 781.9 | 773.3 | 762.1 | 752.3 | 731.2 | 706.5 | 678.8 | 648.0 | 615.8 | 593.1 |
| 160° | 794.6 | 789.3 | 780.1 | 770.1 | 760.9 | 741.0 | 718.8 | 693.5 | 665.1 | 636.0 | 611.5 |
| 162.5° | 800.1 | 795.4 | 784.4 | 775.6 | 767.7 | 749.6 | 728.6 | 705.7 | 680.5 | 655.0 | 632.3 |
| 165° | 806.1 | 800.8 | 789.3 | 782.4 | 775.5 | 760.1 | 741.8 | 723.4 | 701.9 | 681.2 | 662.8 |
| 167.5° | 806.6 | 802.1 | 790.6 | 783.9 | 778.8 | 765.7 | 750.8 | 736.7 | 720.0 | 703.8 | 688.4 |
| 170° | 805.4 | 801.5 | 790.0 | 783.9 | 780.1 | 769.3 | 756.3 | 744.1 | 731.0 | 717.2 | 705.0 |
| 172.5° | 801.1 | 797.2 | 786.4 | 781.5 | 779.5 | 770.0 | 759.4 | 750.2 | 739.0 | 728.9 | 719.1 |
| 175° | 790.0 | 787.0 | 777.8 | 774.7 | 775.5 | 769.3 | 761.7 | 756.3 | 749.4 | 743.3 | 737.9 |
| 177.5° | 773.9 | 772.1 | 765.4 | 765.4 | 767.8 | 764.1 | 761.7 | 759.2 | 756.2 | 754.3 | 752.5 |
| 180° | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 |



TEST NUMBER: P1427713

CATALOG NUMBER: SQ2W-F-K-050U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1654.9 | 1654.9 | 1654.9 | 1654.9 | 1654.9 | 1654.9 | 1654.9 | 1654.9 | 1654.9 | 1654.9 | 1654.9 |
| 2.5° | 1651.9 | 1649.2 | 1650.8 | 1652.3 | 1653.1 | 1653.9 | 1653.1 | 1652.3 | 1650.8 | 1649.2 | 1651.9 |
| 5° | 1647.4 | 1643.7 | 1644.8 | 1646.8 | 1652.0 | 1657.2 | 1652.0 | 1646.8 | 1644.8 | 1643.7 | 1647.4 |
| 7.5° | 1634.8 | 1631.5 | 1632.7 | 1635.0 | 1640.4 | 1645.8 | 1640.4 | 1635.0 | 1632.7 | 1631.5 | 1634.8 |
| 10° | 1622.9 | 1619.8 | 1621.9 | 1624.4 | 1628.6 | 1632.7 | 1628.6 | 1624.4 | 1621.9 | 1619.8 | 1622.9 |
| 12.5° | 1610.4 | 1607.2 | 1608.5 | 1610.6 | 1615.1 | 1619.7 | 1615.1 | 1610.6 | 1608.5 | 1607.2 | 1610.4 |
| 15° | 1585.1 | 1582.2 | 1583.8 | 1586.0 | 1590.1 | 1594.3 | 1590.1 | 1586.0 | 1583.8 | 1582.2 | 1585.1 |
| 17.5° | 1553.6 | 1551.1 | 1552.9 | 1555.1 | 1558.7 | 1562.3 | 1558.7 | 1555.1 | 1552.9 | 1551.1 | 1553.6 |
| 20° | 1531.2 | 1528.1 | 1528.6 | 1529.9 | 1533.5 | 1537.2 | 1533.5 | 1529.9 | 1528.6 | 1528.1 | 1531.2 |
| 22.5° | 1505.8 | 1502.1 | 1501.0 | 1501.2 | 1505.7 | 1510.1 | 1505.7 | 1501.2 | 1501.0 | 1502.1 | 1505.8 |
| 25° | 1463.1 | 1459.5 | 1457.9 | 1457.7 | 1461.3 | 1464.9 | 1461.3 | 1457.7 | 1457.9 | 1459.5 | 1463.1 |
| 27.5° | 1415.5 | 1412.6 | 1411.6 | 1411.5 | 1414.1 | 1416.7 | 1414.1 | 1411.5 | 1411.6 | 1412.6 | 1415.5 |
| 30° | 1381.3 | 1378.2 | 1377.1 | 1377.0 | 1379.6 | 1382.2 | 1379.6 | 1377.0 | 1377.1 | 1378.2 | 1381.3 |
| 32.5° | 1343.4 | 1340.3 | 1340.1 | 1340.7 | 1343.7 | 1346.7 | 1343.7 | 1340.7 | 1340.1 | 1340.3 | 1343.4 |
| 35° | 1286.0 | 1283.4 | 1283.9 | 1284.9 | 1287.5 | 1290.1 | 1287.5 | 1284.9 | 1283.9 | 1283.4 | 1286.0 |
| 37.5° | 1227.7 | 1225.0 | 1224.9 | 1225.4 | 1227.6 | 1229.7 | 1227.6 | 1225.4 | 1224.9 | 1225.0 | 1227.7 |
| 40° | 1186.9 | 1183.8 | 1183.3 | 1183.5 | 1186.1 | 1188.7 | 1186.1 | 1183.5 | 1183.3 | 1183.8 | 1186.9 |
| 42.5° | 1143.6 | 1141.3 | 1141.6 | 1142.2 | 1143.5 | 1144.9 | 1143.5 | 1142.2 | 1141.6 | 1141.3 | 1143.6 |
| 45° | 1078.0 | 1075.7 | 1075.7 | 1075.9 | 1077.0 | 1078.0 | 1077.0 | 1075.9 | 1075.7 | 1075.7 | 1078.0 |
| 47.5° | 1009.7 | 1007.5 | 1006.9 | 1006.9 | 1008.5 | 1010.2 | 1008.5 | 1006.9 | 1006.9 | 1007.5 | 1009.7 |
| 50° | 962.1 | 959.8 | 958.7 | 958.5 | 960.6 | 962.6 | 960.6 | 958.5 | 958.7 | 959.8 | 962.1 |
| 52.5° | 914.6 | 912.0 | 910.6 | 909.9 | 911.6 | 913.2 | 911.6 | 909.9 | 910.6 | 912.0 | 914.6 |
| 55° | 841.8 | 839.2 | 837.1 | 835.9 | 836.9 | 837.9 | 836.9 | 835.9 | 837.1 | 839.2 | 841.8 |
| 57.5° | 765.6 | 763.0 | 760.5 | 759.0 | 760.5 | 761.9 | 760.5 | 759.0 | 760.5 | 763.0 | 765.6 |
| 60° | 713.6 | 711.0 | 709.0 | 707.7 | 708.7 | 709.7 | 708.7 | 707.7 | 709.0 | 711.0 | 713.6 |
| 62.5° | 661.6 | 658.8 | 656.7 | 655.4 | 656.5 | 657.5 | 656.5 | 655.4 | 656.7 | 658.8 | 661.6 |
| 65° | 583.1 | 580.5 | 578.4 | 577.0 | 577.5 | 578.0 | 577.5 | 577.0 | 578.4 | 580.5 | 583.1 |
| 67.5° | 503.3 | 500.3 | 497.3 | 495.3 | 496.1 | 496.9 | 496.1 | 495.3 | 497.3 | 500.3 | 503.3 |
| 70° | 450.0 | 447.4 | 444.8 | 442.9 | 442.9 | 442.9 | 442.9 | 442.9 | 444.8 | 447.4 | 450.0 |
| 72.5° | 396.1 | 393.5 | 391.3 | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 391.3 | 393.5 | 396.1 |
| 75° | 316.6 | 314.5 | 311.9 | 309.9 | 309.3 | 308.8 | 309.3 | 309.9 | 311.9 | 314.5 | 316.6 |
| 77.5° | 235.7 | 233.7 | 231.8 | 230.1 | 229.5 | 228.9 | 229.5 | 230.1 | 231.8 | 233.7 | 235.7 |
| 80° | 186.1 | 184.5 | 183.0 | 181.5 | 180.5 | 179.5 | 180.5 | 181.5 | 183.0 | 184.5 | 186.1 |
| 82.5° | 137.6 | 135.6 | 133.2 | 131.7 | 132.8 | 133.8 | 132.8 | 131.7 | 133.2 | 135.6 | 137.6 |
| 85° | 70.7 | 68.9 | 66.8 | 65.1 | 64.6 | 64.1 | 64.6 | 65.1 | 66.8 | 68.9 | 70.7 |
| 87.5° | 22.8 | 22.4 | 21.8 | 21.1 | 21.3 | 20.6 | 21.3 | 21.1 | 21.8 | 22.4 | 22.8 |
| 90° | 17.6 | 23.0 | 28.4 | 31.4 | 34.5 | 33.0 | 34.5 | 31.4 | 28.4 | 23.0 | 17.6 |
| 92.5° | 35.4 | 44.4 | 51.0 | 56.6 | 59.0 | 58.7 | 59.0 | 56.6 | 51.0 | 44.4 | 35.4 |
| 95° | 71.3 | 82.0 | 92.7 | 100.4 | 105.0 | 103.4 | 105.0 | 100.4 | 92.7 | 82.0 | 71.3 |
| 97.5° | 109.9 | 124.3 | 136.2 | 143.4 | 148.0 | 151.1 | 148.0 | 143.4 | 136.2 | 124.3 | 109.9 |
| 100° | 135.6 | 149.4 | 163.2 | 171.6 | 179.3 | 182.4 | 179.3 | 171.6 | 163.2 | 149.4 | 135.6 |
| 102.5° | 156.5 | 174.6 | 189.6 | 198.6 | 205.1 | 208.1 | 205.1 | 198.6 | 189.6 | 174.6 | 156.5 |
| 105° | 190.8 | 210.0 | 226.1 | 237.5 | 244.4 | 246.7 | 244.4 | 237.5 | 226.1 | 210.0 | 190.8 |
| 107.5° | 225.1 | 244.9 | 259.8 | 272.5 | 280.9 | 285.8 | 280.9 | 272.5 | 259.8 | 244.9 | 225.1 |
| 110° | 252.1 | 268.2 | 284.3 | 295.8 | 304.2 | 307.3 | 304.2 | 295.8 | 284.3 | 268.2 | 252.1 |



TEST NUMBER: P1427713

CATALOG NUMBER: SQ2W-F-K-050U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 274.8 | 292.7 | 308.8 | 320.3 | 330.0 | 334.3 | 330.0 | 320.3 | 308.8 | 292.7 | 274.8 |
| 115° | 306.5 | 330.3 | 344.8 | 355.6 | 362.5 | 366.3 | 362.5 | 355.6 | 344.8 | 330.3 | 306.5 |
| 117.5° | 332.9 | 357.7 | 373.6 | 381.9 | 385.1 | 387.9 | 385.1 | 381.9 | 373.6 | 357.7 | 332.9 |
| 120° | 349.4 | 372.4 | 390.8 | 401.5 | 405.4 | 406.9 | 405.4 | 401.5 | 390.8 | 372.4 | 349.4 |
| 122.5° | 364.7 | 386.5 | 404.3 | 417.5 | 423.8 | 425.3 | 423.8 | 417.5 | 404.3 | 386.5 | 364.7 |
| 125° | 386.2 | 406.9 | 425.3 | 438.3 | 445.2 | 449.0 | 445.2 | 438.3 | 425.3 | 406.9 | 386.2 |
| 127.5° | 404.9 | 427.3 | 444.1 | 455.9 | 462.7 | 465.7 | 462.7 | 455.9 | 444.1 | 427.3 | 404.9 |
| 130° | 415.3 | 438.3 | 455.2 | 468.2 | 474.3 | 477.4 | 474.3 | 468.2 | 455.2 | 438.3 | 415.3 |
| 132.5° | 423.3 | 447.5 | 465.0 | 476.8 | 483.5 | 486.6 | 483.5 | 476.8 | 465.0 | 447.5 | 423.3 |
| 135° | 432.9 | 458.2 | 476.6 | 488.1 | 494.3 | 497.3 | 494.3 | 488.1 | 476.6 | 458.2 | 432.9 |
| 137.5° | 441.4 | 464.4 | 483.5 | 495.6 | 501.1 | 503.1 | 501.1 | 495.6 | 483.5 | 464.4 | 441.4 |
| 140° | 447.5 | 467.4 | 486.6 | 498.1 | 504.2 | 505.0 | 504.2 | 498.1 | 486.6 | 467.4 | 447.5 |
| 142.5° | 455.5 | 471.1 | 487.8 | 499.3 | 505.4 | 506.8 | 505.4 | 499.3 | 487.8 | 471.1 | 455.5 |
| 145° | 469.7 | 478.9 | 490.4 | 501.1 | 506.5 | 508.0 | 506.5 | 501.1 | 490.4 | 478.9 | 469.7 |
| 147.5° | 487.7 | 490.6 | 496.5 | 503.6 | 508.8 | 509.9 | 508.8 | 503.6 | 496.5 | 490.6 | 487.7 |
| 150° | 501.1 | 500.4 | 502.7 | 507.3 | 511.9 | 511.1 | 511.9 | 507.3 | 502.7 | 500.4 | 501.1 |
| 152.5° | 516.5 | 512.0 | 511.9 | 514.0 | 516.2 | 516.0 | 516.2 | 514.0 | 511.9 | 512.0 | 516.5 |
| 155° | 542.5 | 534.1 | 529.5 | 528.0 | 528.0 | 527.2 | 528.0 | 528.0 | 529.5 | 534.1 | 542.5 |
| 157.5° | 571.2 | 559.4 | 552.5 | 548.8 | 547.7 | 546.1 | 547.7 | 548.8 | 552.5 | 559.4 | 571.2 |
| 160° | 590.8 | 577.8 | 570.9 | 564.7 | 562.4 | 560.2 | 562.4 | 564.7 | 570.9 | 577.8 | 590.8 |
| 162.5° | 609.2 | 596.8 | 589.3 | 583.8 | 581.5 | 577.9 | 581.5 | 583.8 | 589.3 | 596.8 | 609.2 |
| 165° | 639.1 | 626.1 | 617.6 | 613.0 | 610.0 | 606.9 | 610.0 | 613.0 | 617.6 | 626.1 | 639.1 |
| 167.5° | 669.0 | 654.7 | 649.2 | 644.0 | 641.1 | 635.6 | 641.1 | 644.0 | 649.2 | 654.7 | 669.0 |
| 170° | 687.4 | 674.3 | 671.3 | 666.7 | 661.3 | 655.2 | 661.3 | 666.7 | 671.3 | 674.3 | 687.4 |
| 172.5° | 703.3 | 694.6 | 691.5 | 686.9 | 685.2 | 680.3 | 685.2 | 686.9 | 691.5 | 694.6 | 703.3 |
| 175° | 726.4 | 719.5 | 719.5 | 718.8 | 716.5 | 711.9 | 716.5 | 718.8 | 719.5 | 719.5 | 726.4 |
| 177.5° | 745.7 | 742.1 | 744.5 | 744.5 | 743.9 | 739.6 | 743.9 | 744.5 | 744.5 | 742.1 | 745.7 |
| 180° | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 |



TEST NUMBER: P1427713

CATALOG NUMBER: SQ2W-F-K-050U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|
| 0° | 1654.9 | 1654.9 | 1654.9 | 1654.9 |
| 2.5° | 1658.9 | 1662.2 | 1654.4 | 1646.5 |
| 5° | 1655.6 | 1659.3 | 1648.9 | 1638.6 |
| 7.5° | 1642.7 | 1646.0 | 1635.6 | 1625.3 |
| 10° | 1631.2 | 1634.8 | 1624.4 | 1614.1 |
| 12.5° | 1617.8 | 1620.8 | 1610.5 | 1600.1 |
| 15° | 1592.3 | 1595.2 | 1584.8 | 1574.5 |
| 17.5° | 1560.3 | 1562.9 | 1553.2 | 1543.5 |
| 20° | 1537.9 | 1540.7 | 1531.3 | 1522.0 |
| 22.5° | 1512.1 | 1514.6 | 1505.2 | 1495.9 |
| 25° | 1468.8 | 1470.7 | 1461.4 | 1452.1 |
| 27.5° | 1420.3 | 1421.9 | 1414.2 | 1406.4 |
| 30° | 1386.4 | 1388.4 | 1380.6 | 1372.8 |
| 32.5° | 1349.5 | 1352.1 | 1344.8 | 1337.4 |
| 35° | 1291.7 | 1294.4 | 1288.2 | 1281.9 |
| 37.5° | 1233.0 | 1235.8 | 1231.0 | 1226.2 |
| 40° | 1192.6 | 1195.6 | 1190.4 | 1185.2 |
| 42.5° | 1148.5 | 1151.1 | 1147.2 | 1143.3 |
| 45° | 1082.7 | 1085.2 | 1081.6 | 1078.0 |
| 47.5° | 1013.3 | 1015.3 | 1012.5 | 1009.7 |
| 50° | 965.7 | 967.5 | 963.9 | 960.3 |
| 52.5° | 918.2 | 919.9 | 915.9 | 911.8 |
| 55° | 844.9 | 846.1 | 841.4 | 836.8 |
| 57.5° | 768.3 | 769.2 | 764.6 | 760.1 |
| 60° | 716.7 | 718.0 | 713.9 | 709.7 |
| 62.5° | 665.1 | 666.7 | 662.6 | 658.5 |
| 65° | 586.2 | 587.6 | 584.0 | 580.4 |
| 67.5° | 506.3 | 507.8 | 504.7 | 501.6 |
| 70° | 452.6 | 453.7 | 450.6 | 447.5 |
| 72.5° | 399.1 | 400.7 | 398.0 | 395.3 |
| 75° | 318.2 | 318.9 | 317.4 | 315.8 |
| 77.5° | 237.7 | 239.1 | 239.1 | 239.1 |
| 80° | 187.6 | 188.8 | 188.8 | 188.8 |
| 82.5° | 139.1 | 140.5 | 141.4 | 142.2 |
| 85° | 72.3 | 73.7 | 74.7 | 75.8 |
| 87.5° | 23.3 | 23.3 | 23.6 | 23.8 |
| 90° | 13.8 | 8.4 | 5.4 | 2.3 |
| 92.5° | 29.7 | 20.7 | 14.6 | 8.4 |
| 95° | 59.8 | 47.5 | 33.7 | 23.8 |
| 97.5° | 95.2 | 75.4 | 61.8 | 45.4 |
| 100° | 114.2 | 95.0 | 82.0 | 64.4 |
| 102.5° | 135.0 | 118.9 | 101.0 | 83.4 |
| 105° | 172.4 | 152.5 | 131.8 | 111.9 |
| 107.5° | 207.0 | 185.1 | 160.3 | 142.4 |
| 110° | 229.1 | 205.4 | 179.3 | 163.2 |

TEST NUMBER: P1427713

CATALOG NUMBER: SQ2W-F-K-050U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|-------|-------|-------|-------|
| 112.5° | 250.6 | 226.2 | 199.5 | 183.4 |
| 115° | 279.7 | 252.9 | 228.4 | 214.6 |
| 117.5° | 307.7 | 280.2 | 254.3 | 243.4 |
| 120° | 324.9 | 297.3 | 272.0 | 263.6 |
| 122.5° | 339.0 | 312.0 | 288.6 | 285.1 |
| 125° | 360.2 | 332.6 | 312.6 | 317.2 |
| 127.5° | 377.3 | 352.0 | 339.5 | 349.7 |
| 130° | 387.7 | 365.5 | 357.9 | 372.4 |
| 132.5° | 396.9 | 379.6 | 376.2 | 396.3 |
| 135° | 410.7 | 400.8 | 403.8 | 431.4 |
| 137.5° | 427.1 | 423.3 | 433.6 | 468.4 |
| 140° | 437.5 | 439.8 | 454.4 | 493.5 |
| 142.5° | 451.6 | 457.0 | 475.9 | 517.4 |
| 145° | 473.6 | 485.1 | 509.6 | 551.0 |
| 147.5° | 498.4 | 513.3 | 543.6 | 586.1 |
| 150° | 514.9 | 534.1 | 566.3 | 606.9 |
| 152.5° | 533.9 | 553.7 | 585.9 | 627.1 |
| 155° | 563.2 | 585.4 | 619.2 | 654.4 |
| 157.5° | 593.1 | 615.8 | 648.0 | 678.8 |
| 160° | 611.5 | 636.0 | 665.1 | 693.5 |
| 162.5° | 632.3 | 655.0 | 680.5 | 705.7 |
| 165° | 662.8 | 681.2 | 701.9 | 723.4 |
| 167.5° | 688.4 | 703.8 | 720.0 | 736.7 |
| 170° | 705.0 | 717.2 | 731.0 | 744.1 |
| 172.5° | 719.1 | 728.9 | 739.0 | 750.2 |
| 175° | 737.9 | 743.3 | 749.4 | 756.3 |
| 177.5° | 752.5 | 754.3 | 756.2 | 759.2 |
| 180° | 758.6 | 758.6 | 758.6 | 758.6 |

TEST NUMBER: P1427713

CATALOG NUMBER: SQ2W-F-K-050U-100D-L840-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 | 20.77 | 21.83 | 21.55 | 22.64 | 23.63 | 20.68 | 21.75 | 21.47 | 22.56 | 23.55 |
| | 3H | 22.57 | 23.53 | 23.37 | 24.35 | 25.37 | 22.47 | 23.43 | 23.27 | 24.25 | 25.27 |
| | 4H | 23.28 | 24.18 | 24.09 | 25.01 | 26.04 | 23.16 | 24.07 | 23.98 | 24.90 | 25.93 |
| | 6H | 23.73 | 24.56 | 24.55 | 25.40 | 26.44 | 23.58 | 24.42 | 24.41 | 25.26 | 26.30 |
| | 8H | 23.89 | 24.69 | 24.73 | 25.54 | 26.59 | 23.74 | 24.53 | 24.57 | 25.39 | 26.43 |
| | 12H | 23.98 | 24.74 | 24.83 | 25.59 | 26.66 | 23.81 | 24.57 | 24.65 | 25.41 | 26.49 |
| 4H | 2H | 21.37 | 22.28 | 22.19 | 23.10 | 24.14 | 21.31 | 22.21 | 22.13 | 23.04 | 24.07 |
| | 3H | 23.41 | 24.17 | 24.24 | 25.03 | 26.08 | 23.32 | 24.08 | 24.15 | 24.94 | 25.99 |
| | 4H | 24.23 | 24.92 | 25.08 | 25.78 | 26.86 | 24.12 | 24.81 | 24.97 | 25.67 | 26.75 |
| | 6H | 24.80 | 25.40 | 25.66 | 26.28 | 27.36 | 24.66 | 25.26 | 25.52 | 26.14 | 27.22 |
| | 8H | 25.02 | 25.58 | 25.88 | 26.46 | 27.55 | 24.86 | 25.42 | 25.72 | 26.30 | 27.39 |
| | 12H | 25.14 | 25.65 | 26.03 | 26.54 | 27.64 | 24.96 | 25.46 | 25.84 | 26.36 | 27.46 |
| 8H | 4H | 24.50 | 25.05 | 25.36 | 25.93 | 27.02 | 24.40 | 24.96 | 25.26 | 25.84 | 26.93 |
| | 6H | 25.19 | 25.66 | 26.09 | 26.58 | 27.67 | 25.06 | 25.53 | 25.96 | 26.45 | 27.54 |
| | 8H | 25.50 | 25.91 | 26.40 | 26.83 | 27.93 | 25.35 | 25.76 | 26.25 | 26.67 | 27.78 |
| | 12H | 25.69 | 26.06 | 26.60 | 26.96 | 28.12 | 25.50 | 25.86 | 26.41 | 26.77 | 27.93 |
| 12H | 4H | 24.50 | 25.00 | 25.39 | 25.90 | 27.00 | 24.41 | 24.91 | 25.29 | 25.81 | 26.91 |
| | 6H | 25.25 | 25.66 | 26.15 | 26.57 | 27.68 | 25.12 | 25.53 | 26.02 | 26.45 | 27.55 |
| | 8H | 25.59 | 25.95 | 26.50 | 26.86 | 28.02 | 25.44 | 25.80 | 26.35 | 26.71 | 27.87 |