

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: P1428210

Luminaire Tested: SQ2W-PR1-K-050U-075D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428210
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PR1-K-050U-075D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

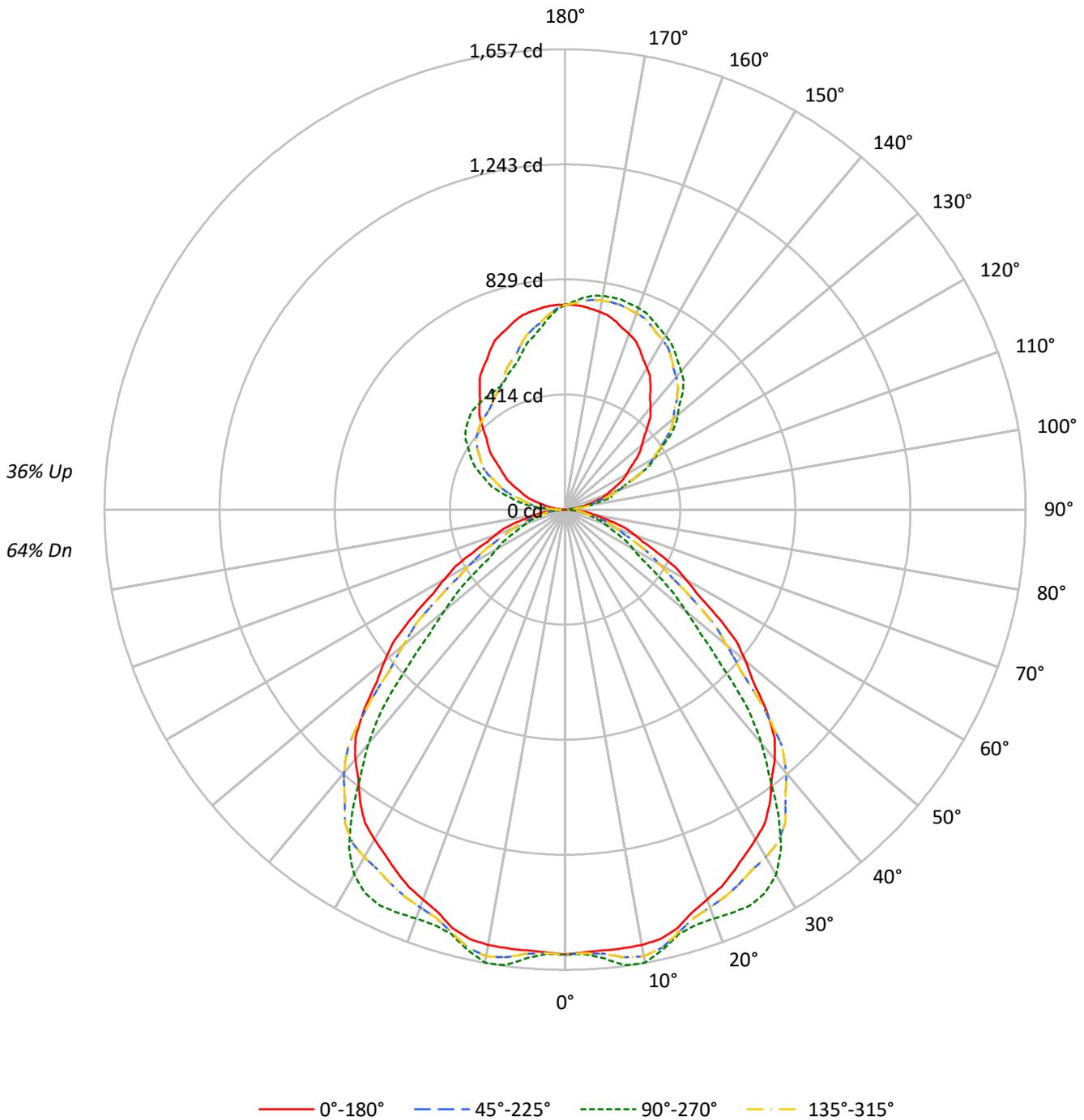
Lumens per Lamp: N/A
Luminaire Lumens: 6006.8 lumens
Efficiency: N/A
Efficacy: 144.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 41.6
Input Voltage (V): 120
Input Current (A_{in}): 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: P1428210

CATALOG NUMBER: SQ2W-PR1-K-050U-075D-L835-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1428210

CATALOG NUMBER: SQ2W-PR1-K-050U-075D-L835-UNV-STD-W-WM-4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|--|--|
| RF | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | |
| RC | 80 | | | | | 70 | | | | | 50 | | | | | 30 | | | | |
| 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 | 104 | 104 | 104 | 104 | 91 | 91 | 91 | 80 | 80 | 80 | 69 | 69 | 69 | 64 | | |
| 1 | 102 | 98 | 94 | 91 | 96 | 92 | 89 | 86 | 81 | 79 | 77 | 71 | 70 | 68 | 62 | 61 | 60 | 56 | | |
| 2 | 93 | 86 | 80 | 75 | 88 | 81 | 76 | 72 | 72 | 68 | 65 | 64 | 61 | 58 | 56 | 54 | 52 | 48 | | |
| 3 | 86 | 76 | 69 | 64 | 80 | 72 | 66 | 61 | 64 | 59 | 55 | 57 | 53 | 50 | 50 | 47 | 45 | 41 | | |
| 4 | 79 | 68 | 60 | 55 | 74 | 65 | 58 | 52 | 58 | 52 | 48 | 51 | 47 | 43 | 45 | 42 | 39 | 36 | | |
| 5 | 73 | 61 | 53 | 47 | 68 | 58 | 51 | 45 | 52 | 46 | 42 | 46 | 42 | 38 | 41 | 38 | 35 | 32 | | |
| 6 | 67 | 55 | 47 | 41 | 63 | 52 | 45 | 40 | 47 | 41 | 37 | 42 | 37 | 34 | 37 | 34 | 31 | 28 | | |
| 7 | 62 | 50 | 42 | 37 | 58 | 48 | 40 | 35 | 43 | 37 | 33 | 38 | 34 | 30 | 34 | 30 | 28 | 25 | | |
| 8 | 58 | 46 | 38 | 33 | 54 | 43 | 36 | 31 | 39 | 33 | 29 | 35 | 31 | 27 | 32 | 28 | 25 | 23 | | |
| 9 | 54 | 42 | 34 | 29 | 51 | 40 | 33 | 28 | 36 | 30 | 26 | 33 | 28 | 24 | 29 | 25 | 22 | 20 | | |
| 10 | 50 | 38 | 31 | 26 | 48 | 37 | 30 | 26 | 33 | 28 | 24 | 30 | 25 | 22 | 27 | 23 | 20 | 19 | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 25857 | 25857 | 25857 | 25857 |
| 5° | 25823 | 26299 | 25823 | 26299 |
| 10° | 26095 | 27166 | 26095 | 27166 |
| 15° | 26087 | 26442 | 26087 | 26442 |
| 20° | 25666 | 26927 | 25666 | 26927 |
| 25° | 25593 | 28035 | 25593 | 28035 |
| 30° | 25566 | 28304 | 25566 | 28304 |
| 35° | 25324 | 26352 | 25324 | 26352 |
| 40° | 24740 | 23190 | 24740 | 23190 |
| 45° | 23409 | 18340 | 23409 | 18340 |
| 50° | 21282 | 14229 | 21282 | 14229 |
| 55° | 18702 | 11074 | 18702 | 11074 |
| 60° | 16184 | 9119 | 16184 | 9119 |
| 65° | 13971 | 7985 | 13971 | 7985 |
| 70° | 12562 | 7090 | 12562 | 7090 |
| 75° | 11509 | 6519 | 11509 | 6519 |
| 80° | 10014 | 6378 | 10014 | 6378 |
| 85° | 7262 | 3020 | 7262 | 3020 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 25133 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 154.7 | 2.6 |
| 10°-20° | 447.7 | 7.5 |
| 20°-30° | 692.1 | 11.5 |
| 30°-40° | 832.3 | 13.9 |
| 40°-50° | 747.4 | 12.4 |
| 50°-60° | 500.8 | 8.3 |
| 60°-70° | 291.3 | 4.8 |
| 70°-80° | 149.6 | 2.5 |
| 80°-90° | 40.0 | 0.7 |
| 90°-100° | 58.6 | 1.0 |
| 100°-110° | 171.0 | 2.8 |
| 110°-120° | 279.0 | 4.6 |
| 120°-130° | 354.0 | 5.9 |
| 130°-140° | 378.8 | 6.3 |
| 140°-150° | 353.8 | 5.9 |
| 150°-160° | 291.1 | 4.8 |
| 160°-170° | 195.2 | 3.3 |
| 170°-180° | 69.3 | 1.2 |
| 0°-30° | 1294.5 | 21.6 |
| 0°-40° | 2126.8 | 35.4 |
| 0°-60° | 3375.0 | 56.2 |
| 0°-90° | 3855.9 | 64.2 |
| 90°-120° | 508.6 | 8.5 |
| 90°-150° | 1595.3 | 26.6 |
| 90°-180° | 2151.0 | 35.8 |
| 0°-180° | 6006.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1602 | 1602 | 1602 | 1602 | 1602 | |
| 5° | 1593 | 1623 | 1593 | 1623 | 1593 | 152 |
| 15° | 1561 | 1582 | 1561 | 1582 | 1561 | 438 |
| 25° | 1437 | 1574 | 1437 | 1574 | 1437 | 663 |
| 35° | 1285 | 1337 | 1285 | 1337 | 1285 | 801 |
| 45° | 1025 | 803 | 1025 | 803 | 1025 | 784 |
| 55° | 664 | 393 | 664 | 393 | 664 | 597 |
| 65° | 366 | 209 | 366 | 209 | 366 | 370 |
| 75° | 184 | 104 | 184 | 104 | 184 | 196 |
| 85° | 39 | 16 | 39 | 16 | 39 | 49 |
| 90° | 2 | 16 | 2 | 32 | 2 | 3 |
| 95° | 23 | 17 | 23 | 100 | 23 | 28 |
| 105° | 109 | 174 | 109 | 240 | 109 | 116 |
| 115° | 208 | 289 | 208 | 356 | 208 | 205 |
| 125° | 308 | 458 | 308 | 436 | 308 | 276 |
| 135° | 419 | 599 | 419 | 483 | 419 | 324 |
| 145° | 535 | 690 | 535 | 493 | 535 | 335 |
| 155° | 636 | 750 | 636 | 512 | 636 | 292 |
| 165° | 702 | 782 | 702 | 589 | 702 | 198 |
| 175° | 734 | 766 | 734 | 691 | 734 | 70 |
| 180° | 737 | 737 | 737 | 737 | 737 | |



TEST NUMBER: P1428210

CATALOG NUMBER: SQ2W-PR1-K-050U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1601.5 | 1601.5 | 1601.5 | 1601.5 | 1601.5 | 1601.5 | 1601.5 | 1601.5 | 1601.5 | 1601.5 | 1601.5 |
| 2.5° | 1595.0 | 1603.7 | 1612.4 | 1608.5 | 1600.3 | 1596.6 | 1597.1 | 1598.0 | 1599.8 | 1601.5 | 1599.8 |
| 5° | 1593.3 | 1605.7 | 1618.0 | 1615.1 | 1607.1 | 1603.9 | 1605.3 | 1608.2 | 1615.5 | 1622.7 | 1615.5 |
| 7.5° | 1593.0 | 1610.6 | 1628.1 | 1629.5 | 1625.4 | 1625.5 | 1629.7 | 1635.2 | 1644.8 | 1654.4 | 1644.8 |
| 10° | 1591.7 | 1612.7 | 1633.8 | 1636.9 | 1634.0 | 1632.9 | 1633.6 | 1636.7 | 1646.8 | 1657.0 | 1646.8 |
| 12.5° | 1583.9 | 1608.4 | 1632.9 | 1630.3 | 1618.7 | 1612.4 | 1611.4 | 1612.0 | 1617.5 | 1623.0 | 1617.5 |
| 15° | 1560.7 | 1589.7 | 1618.7 | 1606.9 | 1581.5 | 1569.9 | 1572.1 | 1574.7 | 1578.3 | 1581.9 | 1578.3 |
| 17.5° | 1519.9 | 1550.2 | 1580.5 | 1569.9 | 1545.7 | 1537.5 | 1545.3 | 1553.0 | 1560.1 | 1567.2 | 1560.1 |
| 20° | 1493.8 | 1523.5 | 1553.2 | 1546.0 | 1526.4 | 1521.7 | 1531.8 | 1542.5 | 1554.9 | 1567.2 | 1554.9 |
| 22.5° | 1470.2 | 1500.0 | 1529.7 | 1525.1 | 1509.0 | 1508.0 | 1522.3 | 1537.2 | 1554.2 | 1571.1 | 1554.2 |
| 25° | 1436.6 | 1462.7 | 1488.9 | 1489.4 | 1481.4 | 1489.4 | 1513.3 | 1536.0 | 1554.9 | 1573.7 | 1554.9 |
| 27.5° | 1401.4 | 1416.7 | 1432.1 | 1442.3 | 1450.7 | 1471.1 | 1503.4 | 1531.0 | 1544.2 | 1557.4 | 1544.2 |
| 30° | 1371.3 | 1381.5 | 1391.6 | 1410.5 | 1432.3 | 1457.3 | 1485.6 | 1508.1 | 1513.2 | 1518.2 | 1513.2 |
| 32.5° | 1338.7 | 1344.8 | 1350.9 | 1377.4 | 1410.8 | 1434.9 | 1449.9 | 1459.5 | 1452.9 | 1446.4 | 1452.9 |
| 35° | 1284.8 | 1289.9 | 1294.9 | 1328.9 | 1372.4 | 1388.4 | 1376.8 | 1364.6 | 1350.8 | 1337.0 | 1350.8 |
| 37.5° | 1220.8 | 1231.2 | 1241.7 | 1269.3 | 1302.7 | 1302.4 | 1268.5 | 1239.0 | 1223.2 | 1207.4 | 1223.2 |
| 40° | 1173.8 | 1191.2 | 1208.6 | 1227.1 | 1246.0 | 1230.0 | 1179.2 | 1136.6 | 1118.5 | 1100.3 | 1118.5 |
| 42.5° | 1116.3 | 1144.2 | 1172.0 | 1176.2 | 1172.4 | 1138.2 | 1073.4 | 1019.3 | 997.1 | 974.9 | 997.1 |
| 45° | 1025.2 | 1062.9 | 1100.7 | 1079.1 | 1037.7 | 981.9 | 911.5 | 852.5 | 827.9 | 803.2 | 827.9 |
| 47.5° | 917.8 | 956.5 | 995.3 | 954.6 | 887.4 | 822.4 | 759.6 | 706.7 | 683.6 | 660.5 | 683.6 |
| 50° | 847.3 | 878.5 | 909.7 | 863.6 | 791.8 | 726.5 | 667.7 | 617.3 | 591.9 | 566.5 | 591.9 |
| 52.5° | 775.4 | 797.9 | 820.4 | 774.8 | 706.4 | 642.9 | 584.1 | 534.3 | 511.2 | 488.1 | 511.2 |
| 55° | 664.4 | 676.0 | 687.7 | 645.4 | 585.2 | 527.1 | 471.3 | 425.4 | 409.4 | 393.4 | 409.4 |
| 57.5° | 562.6 | 570.0 | 577.4 | 537.3 | 481.4 | 429.8 | 382.3 | 343.8 | 332.1 | 320.3 | 332.1 |
| 60° | 501.2 | 506.3 | 511.3 | 470.7 | 414.8 | 368.4 | 331.4 | 301.3 | 291.9 | 282.4 | 291.9 |
| 62.5° | 445.0 | 448.9 | 452.9 | 413.7 | 360.1 | 318.6 | 289.2 | 265.3 | 258.2 | 251.1 | 258.2 |
| 65° | 365.7 | 369.3 | 372.9 | 339.6 | 293.9 | 259.8 | 237.3 | 219.1 | 214.0 | 209.0 | 214.0 |
| 67.5° | 302.7 | 304.6 | 306.4 | 278.9 | 241.6 | 214.1 | 196.4 | 182.0 | 177.2 | 172.4 | 177.2 |
| 70° | 266.1 | 266.8 | 267.6 | 243.2 | 210.6 | 186.3 | 170.3 | 157.4 | 153.8 | 150.2 | 153.8 |
| 72.5° | 233.4 | 232.4 | 231.4 | 209.7 | 181.1 | 160.3 | 147.3 | 136.8 | 134.4 | 131.9 | 134.4 |
| 75° | 184.5 | 182.3 | 180.1 | 162.2 | 138.9 | 123.0 | 114.3 | 107.4 | 105.9 | 104.5 | 105.9 |
| 77.5° | 137.8 | 135.5 | 133.1 | 118.2 | 99.0 | 88.0 | 85.1 | 82.9 | 82.9 | 82.9 | 82.9 |
| 80° | 107.7 | 104.8 | 101.9 | 90.3 | 75.8 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| 82.5° | 80.3 | 76.3 | 72.2 | 65.1 | 57.0 | 52.9 | 52.9 | 52.7 | 52.2 | 51.6 | 52.2 |
| 85° | 39.2 | 35.6 | 31.9 | 31.0 | 31.0 | 28.8 | 24.5 | 20.7 | 18.5 | 16.3 | 18.5 |
| 87.5° | 10.9 | 11.5 | 12.2 | 10.7 | 8.2 | 6.9 | 6.9 | 7.0 | 7.2 | 7.2 | 7.2 |
| 90° | 2.2 | 5.2 | 8.9 | 11.9 | 14.1 | 14.9 | 14.9 | 15.6 | 16.4 | 16.4 | 16.4 |
| 92.5° | 8.2 | 12.9 | 13.1 | 13.1 | 15.9 | 17.3 | 18.5 | 18.6 | 19.3 | 19.3 | 19.3 |
| 95° | 23.1 | 25.3 | 37.9 | 37.2 | 25.3 | 20.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 |
| 97.5° | 44.1 | 47.3 | 49.4 | 66.2 | 69.9 | 67.6 | 55.1 | 46.3 | 41.4 | 39.1 | 41.4 |
| 100° | 62.5 | 64.0 | 68.5 | 69.2 | 87.8 | 105.7 | 96.7 | 85.6 | 81.9 | 79.6 | 81.9 |
| 102.5° | 81.0 | 81.9 | 88.7 | 91.8 | 96.1 | 106.3 | 137.2 | 133.8 | 131.3 | 130.8 | 131.3 |
| 105° | 108.6 | 109.4 | 122.0 | 128.0 | 131.0 | 131.0 | 130.2 | 145.1 | 168.9 | 174.1 | 168.9 |
| 107.5° | 138.3 | 141.7 | 156.6 | 172.5 | 175.9 | 176.8 | 172.9 | 170.7 | 169.8 | 170.4 | 169.8 |
| 110° | 158.5 | 163.7 | 181.6 | 201.7 | 206.9 | 208.3 | 206.9 | 204.6 | 203.1 | 203.1 | 203.1 |



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CATALOG NUMBER: SQ2W-PR1-K-050U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 178.1 | 185.7 | 206.0 | 229.0 | 237.8 | 242.3 | 239.0 | 237.4 | 235.9 | 237.1 | 235.9 |
| 115° | 208.3 | 219.5 | 246.3 | 270.1 | 288.0 | 290.2 | 289.5 | 289.5 | 288.7 | 288.7 | 288.7 |
| 117.5° | 236.3 | 254.2 | 284.2 | 311.9 | 332.6 | 338.6 | 341.5 | 340.6 | 339.8 | 341.2 | 339.8 |
| 120° | 256.0 | 276.8 | 311.0 | 342.3 | 362.4 | 371.3 | 374.3 | 372.8 | 374.3 | 372.8 | 374.3 |
| 122.5° | 276.8 | 302.4 | 336.0 | 368.5 | 392.1 | 402.3 | 405.8 | 406.1 | 406.4 | 405.5 | 406.4 |
| 125° | 308.1 | 339.3 | 378.7 | 412.2 | 436.8 | 448.7 | 451.7 | 452.4 | 453.9 | 457.6 | 453.9 |
| 127.5° | 339.6 | 375.0 | 418.3 | 450.6 | 475.8 | 490.2 | 494.8 | 496.5 | 499.6 | 501.2 | 499.6 |
| 130° | 361.6 | 401.8 | 445.7 | 476.2 | 500.8 | 516.4 | 524.6 | 526.8 | 530.5 | 529.8 | 530.5 |
| 132.5° | 384.8 | 426.8 | 471.3 | 503.0 | 525.8 | 542.6 | 549.6 | 556.0 | 557.3 | 558.4 | 557.3 |
| 135° | 418.9 | 464.3 | 509.0 | 540.2 | 561.8 | 578.2 | 587.1 | 593.0 | 596.8 | 599.0 | 596.8 |
| 137.5° | 454.8 | 502.7 | 545.6 | 573.4 | 595.1 | 609.3 | 619.4 | 625.6 | 629.5 | 631.3 | 629.5 |
| 140° | 479.2 | 525.3 | 567.0 | 596.0 | 615.4 | 629.5 | 638.4 | 645.9 | 650.3 | 650.3 | 650.3 |
| 142.5° | 502.4 | 548.0 | 588.4 | 617.5 | 634.4 | 647.4 | 656.9 | 662.5 | 667.6 | 667.6 | 667.6 |
| 145° | 535.0 | 580.4 | 617.6 | 646.6 | 660.8 | 672.7 | 683.1 | 687.5 | 690.5 | 690.5 | 690.5 |
| 147.5° | 569.1 | 609.3 | 643.2 | 671.0 | 682.9 | 696.9 | 705.1 | 708.7 | 712.4 | 710.8 | 712.4 |
| 150° | 589.3 | 626.5 | 659.3 | 685.3 | 697.2 | 710.6 | 718.8 | 721.8 | 725.5 | 723.3 | 725.5 |
| 152.5° | 609.0 | 644.4 | 674.2 | 698.4 | 708.5 | 721.9 | 731.3 | 734.3 | 736.8 | 735.2 | 736.8 |
| 155° | 635.5 | 666.7 | 694.2 | 716.6 | 725.5 | 738.1 | 747.1 | 750.8 | 753.8 | 750.0 | 753.8 |
| 157.5° | 659.1 | 686.1 | 710.0 | 730.6 | 740.1 | 750.9 | 759.3 | 763.9 | 766.9 | 765.2 | 766.9 |
| 160° | 673.4 | 698.0 | 719.5 | 738.9 | 747.8 | 757.5 | 766.4 | 771.6 | 774.6 | 772.4 | 774.6 |
| 162.5° | 685.3 | 707.5 | 727.9 | 745.4 | 753.2 | 761.7 | 772.4 | 777.0 | 780.0 | 777.1 | 780.0 |
| 165° | 702.4 | 720.3 | 738.1 | 753.0 | 759.7 | 766.4 | 777.6 | 782.8 | 785.0 | 782.0 | 785.0 |
| 167.5° | 715.4 | 729.1 | 743.5 | 756.3 | 761.2 | 767.8 | 778.9 | 783.2 | 786.1 | 782.3 | 786.1 |
| 170° | 722.5 | 734.4 | 747.1 | 757.5 | 761.2 | 767.2 | 778.3 | 782.0 | 784.3 | 780.6 | 784.3 |
| 172.5° | 728.5 | 737.4 | 747.7 | 756.9 | 758.8 | 763.6 | 774.2 | 777.9 | 779.5 | 776.4 | 779.5 |
| 175° | 734.4 | 739.6 | 747.1 | 753.0 | 752.3 | 755.3 | 764.2 | 767.2 | 770.1 | 765.7 | 770.1 |
| 177.5° | 737.3 | 739.6 | 742.0 | 745.6 | 743.2 | 743.2 | 749.8 | 751.5 | 752.1 | 749.8 | 752.1 |
| 180° | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 |



TEST NUMBER: P1428210

CATALOG NUMBER: SQ2W-PR1-K-050U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1601.5 | 1601.5 | 1601.5 | 1601.5 | 1601.5 | 1601.5 | 1601.5 | 1601.5 | 1601.5 | 1601.5 | 1601.5 |
| 2.5° | 1598.0 | 1597.1 | 1596.6 | 1600.3 | 1608.5 | 1612.4 | 1603.7 | 1595.0 | 1603.7 | 1612.4 | 1608.5 |
| 5° | 1608.2 | 1605.3 | 1603.9 | 1607.1 | 1615.1 | 1618.0 | 1605.7 | 1593.3 | 1605.7 | 1618.0 | 1615.1 |
| 7.5° | 1635.2 | 1629.7 | 1625.5 | 1625.4 | 1629.5 | 1628.1 | 1610.6 | 1593.0 | 1610.6 | 1628.1 | 1629.5 |
| 10° | 1636.7 | 1633.6 | 1632.9 | 1634.0 | 1636.9 | 1633.8 | 1612.7 | 1591.7 | 1612.7 | 1633.8 | 1636.9 |
| 12.5° | 1612.0 | 1611.4 | 1612.4 | 1618.7 | 1630.3 | 1632.9 | 1608.4 | 1583.9 | 1608.4 | 1632.9 | 1630.3 |
| 15° | 1574.7 | 1572.1 | 1569.9 | 1581.5 | 1606.9 | 1618.7 | 1589.7 | 1560.7 | 1589.7 | 1618.7 | 1606.9 |
| 17.5° | 1553.0 | 1545.3 | 1537.5 | 1545.7 | 1569.9 | 1580.5 | 1550.2 | 1519.9 | 1550.2 | 1580.5 | 1569.9 |
| 20° | 1542.5 | 1531.8 | 1521.7 | 1526.4 | 1546.0 | 1553.2 | 1523.5 | 1493.8 | 1523.5 | 1553.2 | 1546.0 |
| 22.5° | 1537.2 | 1522.3 | 1508.0 | 1509.0 | 1525.1 | 1529.7 | 1500.0 | 1470.2 | 1500.0 | 1529.7 | 1525.1 |
| 25° | 1536.0 | 1513.3 | 1489.4 | 1481.4 | 1489.4 | 1488.9 | 1462.7 | 1436.6 | 1462.7 | 1488.9 | 1489.4 |
| 27.5° | 1531.0 | 1503.4 | 1471.1 | 1450.7 | 1442.3 | 1432.1 | 1416.7 | 1401.4 | 1416.7 | 1432.1 | 1442.3 |
| 30° | 1508.1 | 1485.6 | 1457.3 | 1432.3 | 1410.5 | 1391.6 | 1381.5 | 1371.3 | 1381.5 | 1391.6 | 1410.5 |
| 32.5° | 1459.5 | 1449.9 | 1434.9 | 1410.8 | 1377.4 | 1350.9 | 1344.8 | 1338.7 | 1344.8 | 1350.9 | 1377.4 |
| 35° | 1364.6 | 1376.8 | 1388.4 | 1372.4 | 1328.9 | 1294.9 | 1289.9 | 1284.8 | 1289.9 | 1294.9 | 1328.9 |
| 37.5° | 1239.0 | 1268.5 | 1302.4 | 1302.7 | 1269.3 | 1241.7 | 1231.2 | 1220.8 | 1231.2 | 1241.7 | 1269.3 |
| 40° | 1136.6 | 1179.2 | 1230.0 | 1246.0 | 1227.1 | 1208.6 | 1191.2 | 1173.8 | 1191.2 | 1208.6 | 1227.1 |
| 42.5° | 1019.3 | 1073.4 | 1138.2 | 1172.4 | 1176.2 | 1172.0 | 1144.2 | 1116.3 | 1144.2 | 1172.0 | 1176.2 |
| 45° | 852.5 | 911.5 | 981.9 | 1037.7 | 1079.1 | 1100.7 | 1062.9 | 1025.2 | 1062.9 | 1100.7 | 1079.1 |
| 47.5° | 706.7 | 759.6 | 822.4 | 887.4 | 954.6 | 995.3 | 956.5 | 917.8 | 956.5 | 995.3 | 954.6 |
| 50° | 617.3 | 667.7 | 726.5 | 791.8 | 863.6 | 909.7 | 878.5 | 847.3 | 878.5 | 909.7 | 863.6 |
| 52.5° | 534.3 | 584.1 | 642.9 | 706.4 | 774.8 | 820.4 | 797.9 | 775.4 | 797.9 | 820.4 | 774.8 |
| 55° | 425.4 | 471.3 | 527.1 | 585.2 | 645.4 | 687.7 | 676.0 | 664.4 | 676.0 | 687.7 | 645.4 |
| 57.5° | 343.8 | 382.3 | 429.8 | 481.4 | 537.3 | 577.4 | 570.0 | 562.6 | 570.0 | 577.4 | 537.3 |
| 60° | 301.3 | 331.4 | 368.4 | 414.8 | 470.7 | 511.3 | 506.3 | 501.2 | 506.3 | 511.3 | 470.7 |
| 62.5° | 265.3 | 289.2 | 318.6 | 360.1 | 413.7 | 452.9 | 448.9 | 445.0 | 448.9 | 452.9 | 413.7 |
| 65° | 219.1 | 237.3 | 259.8 | 293.9 | 339.6 | 372.9 | 369.3 | 365.7 | 369.3 | 372.9 | 339.6 |
| 67.5° | 182.0 | 196.4 | 214.1 | 241.6 | 278.9 | 306.4 | 304.6 | 302.7 | 304.6 | 306.4 | 278.9 |
| 70° | 157.4 | 170.3 | 186.3 | 210.6 | 243.2 | 267.6 | 266.8 | 266.1 | 266.8 | 267.6 | 243.2 |
| 72.5° | 136.8 | 147.3 | 160.3 | 181.1 | 209.7 | 231.4 | 232.4 | 233.4 | 232.4 | 231.4 | 209.7 |
| 75° | 107.4 | 114.3 | 123.0 | 138.9 | 162.2 | 180.1 | 182.3 | 184.5 | 182.3 | 180.1 | 162.2 |
| 77.5° | 82.9 | 85.1 | 88.0 | 99.0 | 118.2 | 133.1 | 135.5 | 137.8 | 135.5 | 133.1 | 118.2 |
| 80° | 68.6 | 68.6 | 68.6 | 75.8 | 90.3 | 101.9 | 104.8 | 107.7 | 104.8 | 101.9 | 90.3 |
| 82.5° | 52.7 | 52.9 | 52.9 | 57.0 | 65.1 | 72.2 | 76.3 | 80.3 | 76.3 | 72.2 | 65.1 |
| 85° | 20.7 | 24.5 | 28.8 | 31.0 | 31.0 | 31.9 | 35.6 | 39.2 | 35.6 | 31.9 | 31.0 |
| 87.5° | 7.0 | 6.9 | 6.9 | 8.2 | 10.7 | 12.2 | 11.5 | 10.9 | 11.5 | 12.1 | 11.0 |
| 90° | 15.6 | 14.9 | 14.9 | 14.1 | 11.9 | 8.9 | 5.2 | 2.2 | 5.2 | 8.2 | 13.4 |
| 92.5° | 18.6 | 18.5 | 17.3 | 15.9 | 13.1 | 13.1 | 12.9 | 8.2 | 14.1 | 20.1 | 28.9 |
| 95° | 17.1 | 17.1 | 20.1 | 25.3 | 37.2 | 37.9 | 25.3 | 23.1 | 32.7 | 46.1 | 58.0 |
| 97.5° | 46.3 | 55.1 | 67.6 | 69.9 | 66.2 | 49.4 | 47.3 | 44.1 | 60.0 | 73.2 | 92.4 |
| 100° | 85.6 | 96.7 | 105.7 | 87.8 | 69.2 | 68.5 | 64.0 | 62.5 | 79.6 | 92.3 | 110.9 |
| 102.5° | 133.8 | 137.2 | 106.3 | 96.1 | 91.8 | 88.7 | 81.9 | 81.0 | 98.1 | 115.5 | 131.1 |
| 105° | 145.1 | 130.2 | 131.0 | 131.0 | 128.0 | 122.0 | 109.4 | 108.6 | 128.0 | 148.1 | 167.4 |
| 107.5° | 170.7 | 172.9 | 176.8 | 175.9 | 172.5 | 156.6 | 141.7 | 138.3 | 155.7 | 179.8 | 201.1 |
| 110° | 204.6 | 206.9 | 208.3 | 206.9 | 201.7 | 181.6 | 163.7 | 158.5 | 174.1 | 199.4 | 222.5 |



TEST NUMBER: P1428210

CATALOG NUMBER: SQ2W-PR1-K-050U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 237.4 | 239.0 | 242.3 | 237.8 | 229.0 | 206.0 | 185.7 | 178.1 | 193.8 | 219.7 | 243.3 |
| 115° | 289.5 | 289.5 | 290.2 | 288.0 | 270.1 | 246.3 | 219.5 | 208.3 | 221.7 | 245.6 | 271.6 |
| 117.5° | 340.6 | 341.5 | 338.6 | 332.6 | 311.9 | 284.2 | 254.2 | 236.3 | 246.9 | 272.0 | 298.8 |
| 120° | 372.8 | 374.3 | 371.3 | 362.4 | 342.3 | 311.0 | 276.8 | 256.0 | 264.2 | 288.7 | 315.5 |
| 122.5° | 406.1 | 405.8 | 402.3 | 392.1 | 368.5 | 336.0 | 302.4 | 276.8 | 280.2 | 303.0 | 329.2 |
| 125° | 452.4 | 451.7 | 448.7 | 436.8 | 412.2 | 378.7 | 339.3 | 308.1 | 303.6 | 322.9 | 349.7 |
| 127.5° | 496.5 | 494.8 | 490.2 | 475.8 | 450.6 | 418.3 | 375.0 | 339.6 | 329.6 | 341.8 | 366.4 |
| 130° | 526.8 | 524.6 | 516.4 | 500.8 | 476.2 | 445.7 | 401.8 | 361.6 | 347.5 | 354.9 | 376.5 |
| 132.5° | 556.0 | 549.6 | 542.6 | 525.8 | 503.0 | 471.3 | 426.8 | 384.8 | 365.4 | 368.6 | 385.4 |
| 135° | 593.0 | 587.1 | 578.2 | 561.8 | 540.2 | 509.0 | 464.3 | 418.9 | 392.1 | 389.2 | 398.8 |
| 137.5° | 625.6 | 619.4 | 609.3 | 595.1 | 573.4 | 545.6 | 502.7 | 454.8 | 421.0 | 411.0 | 414.8 |
| 140° | 645.9 | 638.4 | 629.5 | 615.4 | 596.0 | 567.0 | 525.3 | 479.2 | 441.2 | 427.1 | 424.9 |
| 142.5° | 662.5 | 656.9 | 647.4 | 634.4 | 617.5 | 588.4 | 548.0 | 502.4 | 462.1 | 443.8 | 438.6 |
| 145° | 687.5 | 683.1 | 672.7 | 660.8 | 646.6 | 617.6 | 580.4 | 535.0 | 494.8 | 471.0 | 459.9 |
| 147.5° | 708.7 | 705.1 | 696.9 | 682.9 | 671.0 | 643.2 | 609.3 | 569.1 | 527.9 | 498.4 | 484.0 |
| 150° | 721.8 | 718.8 | 710.6 | 697.2 | 685.3 | 659.3 | 626.5 | 589.3 | 549.9 | 518.6 | 500.0 |
| 152.5° | 734.3 | 731.3 | 721.9 | 708.5 | 698.4 | 674.2 | 644.4 | 609.0 | 568.9 | 537.7 | 518.5 |
| 155° | 750.8 | 747.1 | 738.1 | 725.5 | 716.6 | 694.2 | 666.7 | 635.5 | 601.2 | 568.5 | 546.9 |
| 157.5° | 763.9 | 759.3 | 750.9 | 740.1 | 730.6 | 710.0 | 686.1 | 659.1 | 629.2 | 598.0 | 575.9 |
| 160° | 771.6 | 766.4 | 757.5 | 747.8 | 738.9 | 719.5 | 698.0 | 673.4 | 645.9 | 617.6 | 593.8 |
| 162.5° | 777.0 | 772.4 | 761.7 | 753.2 | 745.4 | 727.9 | 707.5 | 685.3 | 660.8 | 636.1 | 614.0 |
| 165° | 782.8 | 777.6 | 766.4 | 759.7 | 753.0 | 738.1 | 720.3 | 702.4 | 681.6 | 661.5 | 643.6 |
| 167.5° | 783.2 | 778.9 | 767.8 | 761.2 | 756.3 | 743.5 | 729.1 | 715.4 | 699.2 | 683.4 | 668.5 |
| 170° | 782.0 | 778.3 | 767.2 | 761.2 | 757.5 | 747.1 | 734.4 | 722.5 | 709.9 | 696.5 | 684.6 |
| 172.5° | 777.9 | 774.2 | 763.6 | 758.8 | 756.9 | 747.7 | 737.4 | 728.5 | 717.6 | 707.8 | 698.3 |
| 175° | 767.2 | 764.2 | 755.3 | 752.3 | 753.0 | 747.1 | 739.6 | 734.4 | 727.7 | 721.8 | 716.6 |
| 177.5° | 751.5 | 749.8 | 743.2 | 743.2 | 745.6 | 742.0 | 739.6 | 737.3 | 734.3 | 732.5 | 730.7 |
| 180° | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 |



TEST NUMBER: P1428210

CATALOG NUMBER: SQ2W-PR1-K-050U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1601.5 | 1601.5 | 1601.5 | 1601.5 | 1601.5 | 1601.5 | 1601.5 | 1601.5 | 1601.5 | 1601.5 | 1601.5 |
| 2.5° | 1600.3 | 1596.6 | 1597.1 | 1598.0 | 1599.8 | 1601.5 | 1599.8 | 1598.0 | 1597.1 | 1596.6 | 1600.3 |
| 5° | 1607.1 | 1603.9 | 1605.3 | 1608.2 | 1615.5 | 1622.7 | 1615.5 | 1608.2 | 1605.3 | 1603.9 | 1607.1 |
| 7.5° | 1625.4 | 1625.5 | 1629.7 | 1635.2 | 1644.8 | 1654.4 | 1644.8 | 1635.2 | 1629.7 | 1625.5 | 1625.4 |
| 10° | 1634.0 | 1632.9 | 1633.6 | 1636.7 | 1646.8 | 1657.0 | 1646.8 | 1636.7 | 1633.6 | 1632.9 | 1634.0 |
| 12.5° | 1618.7 | 1612.4 | 1611.4 | 1612.0 | 1617.5 | 1623.0 | 1617.5 | 1612.0 | 1611.4 | 1612.4 | 1618.7 |
| 15° | 1581.5 | 1569.9 | 1572.1 | 1574.7 | 1578.3 | 1581.9 | 1578.3 | 1574.7 | 1572.1 | 1569.9 | 1581.5 |
| 17.5° | 1545.7 | 1537.5 | 1545.3 | 1553.0 | 1560.1 | 1567.2 | 1560.1 | 1553.0 | 1545.3 | 1537.5 | 1545.7 |
| 20° | 1526.4 | 1521.7 | 1531.8 | 1542.5 | 1554.9 | 1567.2 | 1554.9 | 1542.5 | 1531.8 | 1521.7 | 1526.4 |
| 22.5° | 1509.0 | 1508.0 | 1522.3 | 1537.2 | 1554.2 | 1571.1 | 1554.2 | 1537.2 | 1522.3 | 1508.0 | 1509.0 |
| 25° | 1481.4 | 1489.4 | 1513.3 | 1536.0 | 1554.9 | 1573.7 | 1554.9 | 1536.0 | 1513.3 | 1489.4 | 1481.4 |
| 27.5° | 1450.7 | 1471.1 | 1503.4 | 1531.0 | 1544.2 | 1557.4 | 1544.2 | 1531.0 | 1503.4 | 1471.1 | 1450.7 |
| 30° | 1432.3 | 1457.3 | 1485.6 | 1508.1 | 1513.2 | 1518.2 | 1513.2 | 1508.1 | 1485.6 | 1457.3 | 1432.3 |
| 32.5° | 1410.8 | 1434.9 | 1449.9 | 1459.5 | 1452.9 | 1446.4 | 1452.9 | 1459.5 | 1449.9 | 1434.9 | 1410.8 |
| 35° | 1372.4 | 1388.4 | 1376.8 | 1364.6 | 1350.8 | 1337.0 | 1350.8 | 1364.6 | 1376.8 | 1388.4 | 1372.4 |
| 37.5° | 1302.7 | 1302.4 | 1268.5 | 1239.0 | 1223.2 | 1207.4 | 1223.2 | 1239.0 | 1268.5 | 1302.4 | 1302.7 |
| 40° | 1246.0 | 1230.0 | 1179.2 | 1136.6 | 1118.5 | 1100.3 | 1118.5 | 1136.6 | 1179.2 | 1230.0 | 1246.0 |
| 42.5° | 1172.4 | 1138.2 | 1073.4 | 1019.3 | 997.1 | 974.9 | 997.1 | 1019.3 | 1073.4 | 1138.2 | 1172.4 |
| 45° | 1037.7 | 981.9 | 911.5 | 852.5 | 827.9 | 803.2 | 827.9 | 852.5 | 911.5 | 981.9 | 1037.7 |
| 47.5° | 887.4 | 822.4 | 759.6 | 706.7 | 683.6 | 660.5 | 683.6 | 706.7 | 759.6 | 822.4 | 887.4 |
| 50° | 791.8 | 726.5 | 667.7 | 617.3 | 591.9 | 566.5 | 591.9 | 617.3 | 667.7 | 726.5 | 791.8 |
| 52.5° | 706.4 | 642.9 | 584.1 | 534.3 | 511.2 | 488.1 | 511.2 | 534.3 | 584.1 | 642.9 | 706.4 |
| 55° | 585.2 | 527.1 | 471.3 | 425.4 | 409.4 | 393.4 | 409.4 | 425.4 | 471.3 | 527.1 | 585.2 |
| 57.5° | 481.4 | 429.8 | 382.3 | 343.8 | 332.1 | 320.3 | 332.1 | 343.8 | 382.3 | 429.8 | 481.4 |
| 60° | 414.8 | 368.4 | 331.4 | 301.3 | 291.9 | 282.4 | 291.9 | 301.3 | 331.4 | 368.4 | 414.8 |
| 62.5° | 360.1 | 318.6 | 289.2 | 265.3 | 258.2 | 251.1 | 258.2 | 265.3 | 289.2 | 318.6 | 360.1 |
| 65° | 293.9 | 259.8 | 237.3 | 219.1 | 214.0 | 209.0 | 214.0 | 219.1 | 237.3 | 259.8 | 293.9 |
| 67.5° | 241.6 | 214.1 | 196.4 | 182.0 | 177.2 | 172.4 | 177.2 | 182.0 | 196.4 | 214.1 | 241.6 |
| 70° | 210.6 | 186.3 | 170.3 | 157.4 | 153.8 | 150.2 | 153.8 | 157.4 | 170.3 | 186.3 | 210.6 |
| 72.5° | 181.1 | 160.3 | 147.3 | 136.8 | 134.4 | 131.9 | 134.4 | 136.8 | 147.3 | 160.3 | 181.1 |
| 75° | 138.9 | 123.0 | 114.3 | 107.4 | 105.9 | 104.5 | 105.9 | 107.4 | 114.3 | 123.0 | 138.9 |
| 77.5° | 99.0 | 88.0 | 85.1 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 85.1 | 88.0 | 99.0 |
| 80° | 75.8 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 75.8 |
| 82.5° | 57.0 | 52.9 | 52.9 | 52.7 | 52.2 | 51.6 | 52.2 | 52.7 | 52.9 | 52.9 | 57.0 |
| 85° | 31.0 | 28.8 | 24.5 | 20.7 | 18.5 | 16.3 | 18.5 | 20.7 | 24.5 | 28.8 | 31.0 |
| 87.5° | 8.8 | 8.4 | 9.4 | 10.0 | 10.6 | 10.3 | 10.6 | 10.0 | 9.4 | 8.4 | 8.8 |
| 90° | 17.1 | 22.3 | 27.5 | 30.5 | 33.5 | 32.0 | 33.5 | 30.5 | 22.3 | 17.1 | 17.1 |
| 92.5° | 34.4 | 43.2 | 49.6 | 54.9 | 57.3 | 57.0 | 57.3 | 54.9 | 43.2 | 34.4 | 34.4 |
| 95° | 69.2 | 79.6 | 90.0 | 97.5 | 101.9 | 100.5 | 101.9 | 97.5 | 79.6 | 69.2 | 69.2 |
| 97.5° | 106.7 | 120.7 | 132.3 | 139.3 | 143.8 | 146.7 | 143.8 | 139.3 | 132.3 | 120.7 | 106.7 |
| 100° | 131.7 | 145.1 | 158.5 | 166.7 | 174.1 | 177.1 | 174.1 | 166.7 | 158.5 | 145.1 | 131.7 |
| 102.5° | 151.9 | 169.5 | 184.1 | 192.9 | 199.1 | 202.1 | 199.1 | 192.9 | 184.1 | 169.5 | 151.9 |
| 105° | 185.3 | 203.9 | 219.5 | 230.7 | 237.4 | 239.6 | 237.4 | 230.7 | 219.5 | 203.9 | 185.3 |
| 107.5° | 218.6 | 237.8 | 252.2 | 264.6 | 272.8 | 277.5 | 272.8 | 264.6 | 252.2 | 237.8 | 218.6 |
| 110° | 244.8 | 260.4 | 276.1 | 287.2 | 295.4 | 298.4 | 295.4 | 287.2 | 276.1 | 260.4 | 244.8 |



TEST NUMBER: P1428210

CATALOG NUMBER: SQ2W-PR1-K-050U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 266.8 | 284.2 | 299.9 | 311.0 | 320.4 | 324.6 | 320.4 | 311.0 | 299.9 | 284.2 | 266.8 |
| 115° | 297.6 | 320.7 | 334.8 | 345.3 | 352.0 | 355.7 | 352.0 | 345.3 | 334.8 | 320.7 | 297.6 |
| 117.5° | 323.2 | 347.3 | 362.8 | 370.9 | 374.0 | 376.7 | 374.0 | 370.9 | 362.8 | 347.3 | 323.2 |
| 120° | 339.3 | 361.6 | 379.5 | 389.9 | 393.6 | 395.1 | 393.6 | 389.9 | 379.5 | 361.6 | 339.3 |
| 122.5° | 354.2 | 375.3 | 392.6 | 405.4 | 411.5 | 413.0 | 411.5 | 405.4 | 392.6 | 375.3 | 354.2 |
| 125° | 375.0 | 395.1 | 413.0 | 425.6 | 432.3 | 436.0 | 432.3 | 425.6 | 413.0 | 395.1 | 375.0 |
| 127.5° | 393.2 | 414.9 | 431.3 | 442.7 | 449.3 | 452.3 | 449.3 | 442.7 | 431.3 | 414.9 | 393.2 |
| 130° | 403.3 | 425.6 | 442.0 | 454.6 | 460.6 | 463.6 | 460.6 | 454.6 | 442.0 | 425.6 | 403.3 |
| 132.5° | 411.0 | 434.6 | 451.5 | 463.0 | 469.5 | 472.5 | 469.5 | 463.0 | 451.5 | 434.6 | 411.0 |
| 135° | 420.4 | 445.0 | 462.8 | 474.0 | 479.9 | 482.9 | 479.9 | 474.0 | 462.8 | 445.0 | 420.4 |
| 137.5° | 428.6 | 450.9 | 469.5 | 481.3 | 486.6 | 488.6 | 486.6 | 481.3 | 469.5 | 450.9 | 428.6 |
| 140° | 434.6 | 453.9 | 472.5 | 483.7 | 489.6 | 490.4 | 489.6 | 483.7 | 472.5 | 453.9 | 434.6 |
| 142.5° | 442.3 | 457.5 | 473.7 | 484.9 | 490.8 | 492.1 | 490.8 | 484.9 | 473.7 | 457.5 | 442.3 |
| 145° | 456.1 | 465.1 | 476.2 | 486.6 | 491.8 | 493.3 | 491.8 | 486.6 | 476.2 | 465.1 | 456.1 |
| 147.5° | 473.5 | 476.4 | 482.2 | 489.0 | 494.1 | 495.1 | 494.1 | 489.0 | 482.2 | 476.4 | 473.5 |
| 150° | 486.6 | 485.9 | 488.1 | 492.6 | 497.1 | 496.3 | 497.1 | 492.6 | 488.1 | 485.9 | 486.6 |
| 152.5° | 501.5 | 497.2 | 497.1 | 499.1 | 501.2 | 501.1 | 501.2 | 499.1 | 497.1 | 497.2 | 501.5 |
| 155° | 526.8 | 518.6 | 514.2 | 512.7 | 512.7 | 511.9 | 512.7 | 512.7 | 514.2 | 518.6 | 526.8 |
| 157.5° | 554.6 | 543.2 | 536.5 | 532.9 | 531.9 | 530.2 | 531.9 | 532.9 | 536.5 | 543.2 | 554.6 |
| 160° | 573.7 | 561.0 | 554.4 | 548.4 | 546.2 | 543.9 | 546.2 | 548.4 | 554.4 | 561.0 | 573.7 |
| 162.5° | 591.6 | 579.5 | 572.2 | 566.9 | 564.6 | 561.2 | 564.6 | 566.9 | 572.2 | 579.5 | 591.6 |
| 165° | 620.6 | 607.9 | 599.7 | 595.3 | 592.3 | 589.3 | 592.3 | 595.3 | 599.7 | 607.9 | 620.6 |
| 167.5° | 649.6 | 635.8 | 630.4 | 625.3 | 622.5 | 617.2 | 622.5 | 625.3 | 630.4 | 635.8 | 649.6 |
| 170° | 667.5 | 654.8 | 651.8 | 647.4 | 642.2 | 636.2 | 642.2 | 647.4 | 651.8 | 654.8 | 667.5 |
| 172.5° | 682.9 | 674.4 | 671.5 | 667.0 | 665.4 | 660.6 | 665.4 | 667.0 | 671.5 | 674.4 | 682.9 |
| 175° | 705.4 | 698.7 | 698.7 | 698.0 | 695.7 | 691.3 | 695.7 | 698.0 | 698.7 | 698.7 | 705.4 |
| 177.5° | 724.2 | 720.6 | 723.0 | 723.0 | 722.4 | 718.2 | 722.4 | 723.0 | 723.0 | 720.6 | 724.2 |
| 180° | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 |



TEST NUMBER: P1428210

CATALOG NUMBER: SQ2W-PR1-K-050U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|
| 0° | 1601.5 | 1601.5 | 1601.5 | 1601.5 |
| 2.5° | 1608.5 | 1612.4 | 1603.7 | 1595.0 |
| 5° | 1615.1 | 1618.0 | 1605.7 | 1593.3 |
| 7.5° | 1629.5 | 1628.1 | 1610.6 | 1593.0 |
| 10° | 1636.9 | 1633.8 | 1612.7 | 1591.7 |
| 12.5° | 1630.3 | 1632.9 | 1608.4 | 1583.9 |
| 15° | 1606.9 | 1618.7 | 1589.7 | 1560.7 |
| 17.5° | 1569.9 | 1580.5 | 1550.2 | 1519.9 |
| 20° | 1546.0 | 1553.2 | 1523.5 | 1493.8 |
| 22.5° | 1525.1 | 1529.7 | 1500.0 | 1470.2 |
| 25° | 1489.4 | 1488.9 | 1462.7 | 1436.6 |
| 27.5° | 1442.3 | 1432.1 | 1416.7 | 1401.4 |
| 30° | 1410.5 | 1391.6 | 1381.5 | 1371.3 |
| 32.5° | 1377.4 | 1350.9 | 1344.8 | 1338.7 |
| 35° | 1328.9 | 1294.9 | 1289.9 | 1284.8 |
| 37.5° | 1269.3 | 1241.7 | 1231.2 | 1220.8 |
| 40° | 1227.1 | 1208.6 | 1191.2 | 1173.8 |
| 42.5° | 1176.2 | 1172.0 | 1144.2 | 1116.3 |
| 45° | 1079.1 | 1100.7 | 1062.9 | 1025.2 |
| 47.5° | 954.6 | 995.3 | 956.5 | 917.8 |
| 50° | 863.6 | 909.7 | 878.5 | 847.3 |
| 52.5° | 774.8 | 820.4 | 797.9 | 775.4 |
| 55° | 645.4 | 687.7 | 676.0 | 664.4 |
| 57.5° | 537.3 | 577.4 | 570.0 | 562.6 |
| 60° | 470.7 | 511.3 | 506.3 | 501.2 |
| 62.5° | 413.7 | 452.9 | 448.9 | 445.0 |
| 65° | 339.6 | 372.9 | 369.3 | 365.7 |
| 67.5° | 278.9 | 306.4 | 304.6 | 302.7 |
| 70° | 243.2 | 267.6 | 266.8 | 266.1 |
| 72.5° | 209.7 | 231.4 | 232.4 | 233.4 |
| 75° | 162.2 | 180.1 | 182.3 | 184.5 |
| 77.5° | 118.2 | 133.1 | 135.5 | 137.8 |
| 80° | 90.3 | 101.9 | 104.8 | 107.7 |
| 82.5° | 65.1 | 72.2 | 76.3 | 80.3 |
| 85° | 31.0 | 31.9 | 35.6 | 39.2 |
| 87.5° | 11.0 | 12.1 | 11.5 | 10.9 |
| 90° | 13.4 | 8.2 | 5.2 | 2.2 |
| 92.5° | 28.9 | 20.1 | 14.1 | 8.2 |
| 95° | 58.0 | 46.1 | 32.7 | 23.1 |
| 97.5° | 92.4 | 73.2 | 60.0 | 44.1 |
| 100° | 110.9 | 92.3 | 79.6 | 62.5 |
| 102.5° | 131.1 | 115.5 | 98.1 | 81.0 |
| 105° | 167.4 | 148.1 | 128.0 | 108.6 |
| 107.5° | 201.1 | 179.8 | 155.7 | 138.3 |
| 110° | 222.5 | 199.4 | 174.1 | 158.5 |



TEST NUMBER: P1428210

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CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|-------|-------|-------|-------|
| 112.5° | 243.3 | 219.7 | 193.8 | 178.1 |
| 115° | 271.6 | 245.6 | 221.7 | 208.3 |
| 117.5° | 298.8 | 272.0 | 246.9 | 236.3 |
| 120° | 315.5 | 288.7 | 264.2 | 256.0 |
| 122.5° | 329.2 | 303.0 | 280.2 | 276.8 |
| 125° | 349.7 | 322.9 | 303.6 | 308.1 |
| 127.5° | 366.4 | 341.8 | 329.6 | 339.6 |
| 130° | 376.5 | 354.9 | 347.5 | 361.6 |
| 132.5° | 385.4 | 368.6 | 365.4 | 384.8 |
| 135° | 398.8 | 389.2 | 392.1 | 418.9 |
| 137.5° | 414.8 | 411.0 | 421.0 | 454.8 |
| 140° | 424.9 | 427.1 | 441.2 | 479.2 |
| 142.5° | 438.6 | 443.8 | 462.1 | 502.4 |
| 145° | 459.9 | 471.0 | 494.8 | 535.0 |
| 147.5° | 484.0 | 498.4 | 527.9 | 569.1 |
| 150° | 500.0 | 518.6 | 549.9 | 589.3 |
| 152.5° | 518.5 | 537.7 | 568.9 | 609.0 |
| 155° | 546.9 | 568.5 | 601.2 | 635.5 |
| 157.5° | 575.9 | 598.0 | 629.2 | 659.1 |
| 160° | 593.8 | 617.6 | 645.9 | 673.4 |
| 162.5° | 614.0 | 636.1 | 660.8 | 685.3 |
| 165° | 643.6 | 661.5 | 681.6 | 702.4 |
| 167.5° | 668.5 | 683.4 | 699.2 | 715.4 |
| 170° | 684.6 | 696.5 | 709.9 | 722.5 |
| 172.5° | 698.3 | 707.8 | 717.6 | 728.5 |
| 175° | 716.6 | 721.8 | 727.7 | 734.4 |
| 177.5° | 730.7 | 732.5 | 734.3 | 737.3 |
| 180° | 736.7 | 736.7 | 736.7 | 736.7 |



TEST NUMBER: P1428210
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CIE UGR TABLE:

| Reflectances: | | | | | | | | | | | |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling | | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Wall | | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| Reference plane | | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| X=2H | Y=2H | 19.21 | 20.16 | 20.04 | 21.01 | 22.06 | 15.58 | 16.53 | 16.41 | 17.38 | 18.43 |
| | 3H | 20.42 | 21.27 | 21.27 | 22.13 | 23.21 | 16.75 | 17.59 | 17.59 | 18.45 | 19.54 |
| | 4H | 20.91 | 21.71 | 21.78 | 22.58 | 23.67 | 17.21 | 18.01 | 18.08 | 18.88 | 19.97 |
| | 6H | 21.21 | 21.95 | 22.09 | 22.82 | 23.93 | 17.56 | 18.30 | 18.44 | 19.17 | 20.28 |
| | 8H | 21.32 | 22.02 | 22.20 | 22.91 | 24.02 | 17.70 | 18.40 | 18.59 | 19.29 | 20.40 |
| | 12H | 21.36 | 22.03 | 22.25 | 22.91 | 24.04 | 17.73 | 18.40 | 18.62 | 19.28 | 20.42 |
| 4H | 2H | 19.32 | 20.12 | 20.19 | 20.99 | 22.08 | 16.30 | 17.10 | 17.17 | 17.96 | 19.06 |
| | 3H | 20.79 | 21.45 | 21.67 | 22.35 | 23.46 | 17.66 | 18.32 | 18.54 | 19.22 | 20.33 |
| | 4H | 21.42 | 22.02 | 22.32 | 22.92 | 24.06 | 18.21 | 18.81 | 19.10 | 19.71 | 20.85 |
| | 6H | 21.86 | 22.38 | 22.77 | 23.30 | 24.44 | 18.65 | 19.17 | 19.56 | 20.09 | 21.23 |
| | 8H | 22.02 | 22.50 | 22.93 | 23.42 | 24.57 | 18.84 | 19.32 | 19.74 | 20.23 | 21.38 |
| | 12H | 22.09 | 22.52 | 23.02 | 23.46 | 24.61 | 18.89 | 19.32 | 19.81 | 20.25 | 21.41 |
| 8H | 4H | 21.46 | 21.94 | 22.36 | 22.85 | 24.00 | 18.55 | 19.03 | 19.45 | 19.94 | 21.09 |
| | 6H | 21.99 | 22.39 | 22.93 | 23.34 | 24.50 | 19.09 | 19.49 | 20.02 | 20.44 | 21.60 |
| | 8H | 22.22 | 22.58 | 23.17 | 23.53 | 24.69 | 19.35 | 19.70 | 20.30 | 20.65 | 21.82 |
| | 12H | 22.35 | 22.66 | 23.29 | 23.60 | 24.82 | 19.45 | 19.76 | 20.40 | 20.70 | 21.92 |
| 12H | 4H | 21.42 | 21.85 | 22.35 | 22.78 | 23.94 | 18.57 | 19.00 | 19.50 | 19.94 | 21.09 |
| | 6H | 21.98 | 22.33 | 22.93 | 23.28 | 24.45 | 19.16 | 19.51 | 20.11 | 20.46 | 21.63 |
| | 8H | 22.23 | 22.55 | 23.18 | 23.49 | 24.71 | 19.45 | 19.77 | 20.40 | 20.71 | 21.93 |