

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: P1428190

Luminaire Tested: SQ2W-PR1-K-025U-075D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428190
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-025U-075D-L940-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 250 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

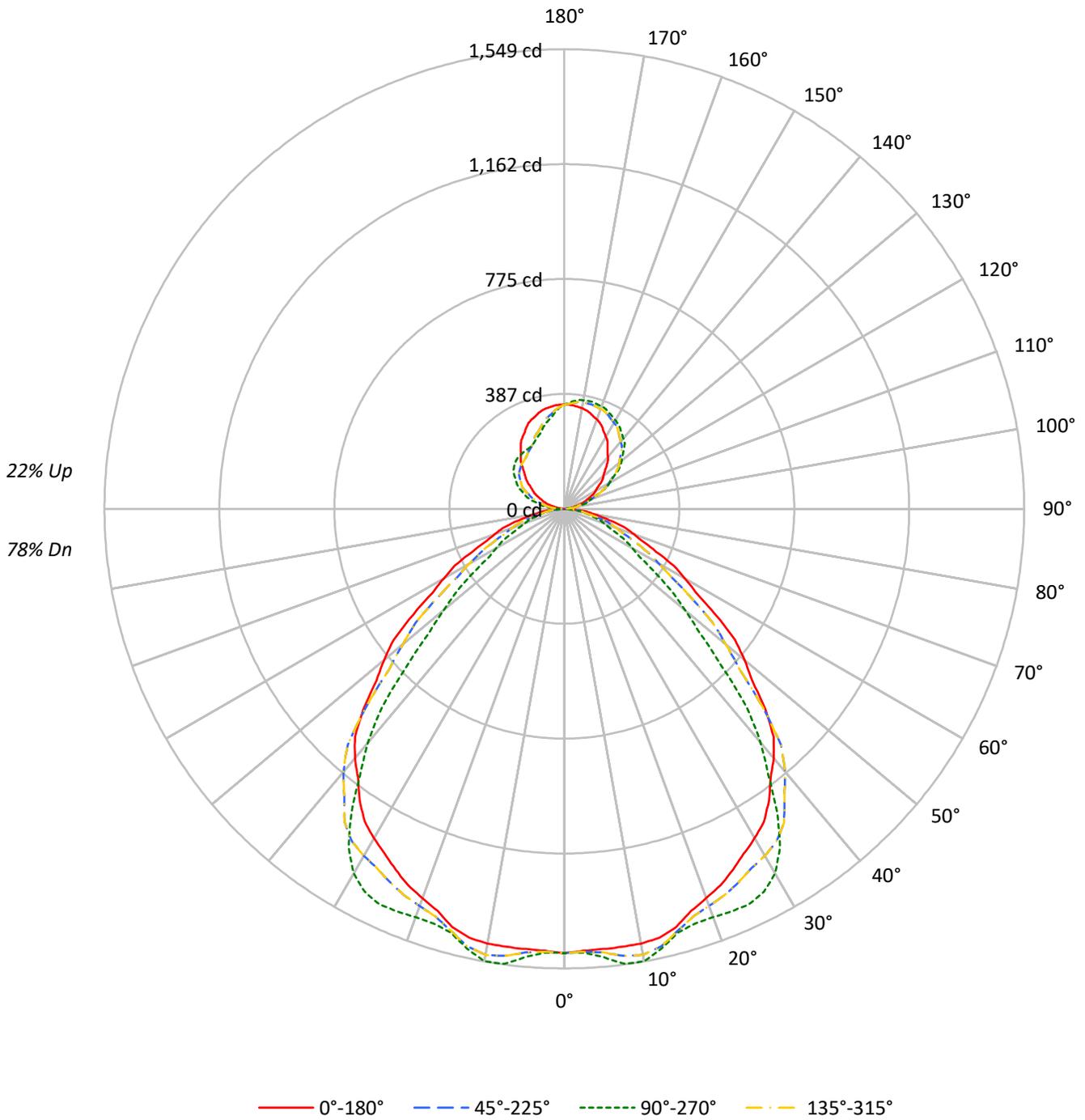
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4626.7 lumens
Efficiency: N/A
Efficacy: 135.3 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): 34.2
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: P1428190
CATALOG NUMBER: SQ2W-PR1-K-025U-075D-L940-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1428190

CATALOG NUMBER: SQ2W-PR1-K-025U-075D-L940-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 | 114 | 114 | 114 | 114 | 109 | 109 | 109 | 109 | 99 | 99 | 99 | 90 | 90 | 90 | 82 | 82 | 82 | 78 |
| 1 | 105 | 101 | 97 | 94 | 100 | 97 | 93 | 90 | 88 | 86 | 83 | 81 | 79 | 77 | 74 | 72 | 71 | 68 |
| 2 | 96 | 89 | 83 | 78 | 92 | 86 | 80 | 76 | 79 | 74 | 71 | 72 | 69 | 66 | 66 | 64 | 61 | 58 |
| 3 | 89 | 79 | 72 | 66 | 84 | 76 | 70 | 64 | 70 | 65 | 61 | 65 | 60 | 57 | 59 | 56 | 53 | 50 |
| 4 | 82 | 71 | 63 | 57 | 78 | 68 | 61 | 56 | 63 | 57 | 52 | 58 | 53 | 49 | 54 | 50 | 47 | 44 |
| 5 | 75 | 64 | 56 | 50 | 72 | 61 | 54 | 48 | 57 | 51 | 46 | 53 | 47 | 43 | 49 | 44 | 41 | 39 |
| 6 | 70 | 58 | 49 | 44 | 66 | 56 | 48 | 43 | 52 | 45 | 41 | 48 | 43 | 39 | 44 | 40 | 37 | 34 |
| 7 | 65 | 52 | 44 | 39 | 62 | 51 | 43 | 38 | 47 | 41 | 36 | 44 | 38 | 34 | 41 | 36 | 33 | 31 |
| 8 | 60 | 48 | 40 | 35 | 58 | 46 | 39 | 34 | 43 | 37 | 32 | 40 | 35 | 31 | 38 | 33 | 29 | 27 |
| 9 | 56 | 44 | 36 | 31 | 54 | 42 | 35 | 31 | 40 | 34 | 29 | 37 | 32 | 28 | 35 | 30 | 27 | 25 |
| 10 | 53 | 40 | 33 | 28 | 50 | 39 | 32 | 28 | 37 | 31 | 27 | 34 | 29 | 25 | 32 | 28 | 24 | 23 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 24168 | 24168 | 24168 | 24168 |
| 5° | 24137 | 24583 | 24137 | 24583 |
| 10° | 24392 | 25392 | 24392 | 25392 |
| 15° | 24384 | 24715 | 24384 | 24715 |
| 20° | 23989 | 25170 | 23989 | 25170 |
| 25° | 23922 | 26205 | 23922 | 26205 |
| 30° | 23897 | 26457 | 23897 | 26457 |
| 35° | 23670 | 24632 | 23670 | 24632 |
| 40° | 23123 | 21677 | 23123 | 21677 |
| 45° | 21881 | 17141 | 21881 | 17141 |
| 50° | 19891 | 13300 | 19891 | 13300 |
| 55° | 17480 | 10350 | 17480 | 10350 |
| 60° | 15128 | 8525 | 15128 | 8525 |
| 65° | 13058 | 7461 | 13058 | 7461 |
| 70° | 11740 | 6628 | 11740 | 6628 |
| 75° | 10755 | 6095 | 10755 | 6095 |
| 80° | 9363 | 5960 | 9363 | 5960 |
| 85° | 6780 | 2834 | 6780 | 2834 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 23491 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 144.6 | 3.1 |
| 10°-20° | 418.5 | 9.0 |
| 20°-30° | 646.9 | 14.0 |
| 30°-40° | 778.0 | 16.8 |
| 40°-50° | 698.6 | 15.1 |
| 50°-60° | 468.1 | 10.1 |
| 60°-70° | 272.3 | 5.9 |
| 70°-80° | 139.9 | 3.0 |
| 80°-90° | 36.0 | 0.8 |
| 90°-100° | 27.9 | 0.6 |
| 100°-110° | 81.4 | 1.8 |
| 110°-120° | 132.8 | 2.9 |
| 120°-130° | 168.5 | 3.6 |
| 130°-140° | 180.3 | 3.9 |
| 140°-150° | 168.4 | 3.6 |
| 150°-160° | 138.6 | 3.0 |
| 160°-170° | 92.9 | 2.0 |
| 170°-180° | 33.0 | 0.7 |
| 0°-30° | 1210.0 | 26.2 |
| 0°-40° | 1987.9 | 43.0 |
| 0°-60° | 3154.6 | 68.2 |
| 0°-90° | 3602.8 | 77.9 |
| 90°-120° | 242.1 | 5.2 |
| 90°-150° | 759.4 | 16.4 |
| 90°-180° | 1024.0 | 22.1 |
| 0°-180° | 4626.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1497 | 1497 | 1497 | 1497 | 1497 | |
| 5° | 1489 | 1517 | 1489 | 1517 | 1489 | 142 |
| 15° | 1459 | 1479 | 1459 | 1479 | 1459 | 410 |
| 25° | 1343 | 1471 | 1343 | 1471 | 1343 | 619 |
| 35° | 1201 | 1250 | 1201 | 1250 | 1201 | 749 |
| 45° | 958 | 751 | 958 | 751 | 958 | 733 |
| 55° | 621 | 368 | 621 | 368 | 621 | 558 |
| 65° | 342 | 195 | 342 | 195 | 342 | 346 |
| 75° | 172 | 98 | 172 | 98 | 172 | 183 |
| 85° | 37 | 15 | 37 | 15 | 37 | 45 |
| 90° | 1 | 8 | 1 | 15 | 1 | 2 |
| 95° | 11 | 8 | 11 | 48 | 11 | 13 |
| 105° | 52 | 83 | 52 | 114 | 52 | 55 |
| 115° | 99 | 137 | 99 | 169 | 99 | 98 |
| 125° | 147 | 218 | 147 | 208 | 147 | 131 |
| 135° | 199 | 285 | 199 | 230 | 199 | 154 |
| 145° | 255 | 329 | 255 | 235 | 255 | 159 |
| 155° | 302 | 357 | 302 | 244 | 302 | 139 |
| 165° | 334 | 372 | 334 | 280 | 334 | 94 |
| 175° | 350 | 364 | 350 | 329 | 350 | 33 |
| 180° | 351 | 351 | 351 | 351 | 351 | |



TEST NUMBER: P1428190

CATALOG NUMBER: SQ2W-PR1-K-025U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1496.9 | 1496.9 | 1496.9 | 1496.9 | 1496.9 | 1496.9 | 1496.9 | 1496.9 | 1496.9 | 1496.9 | 1496.9 |
| 2.5° | 1490.8 | 1499.0 | 1507.1 | 1503.4 | 1495.8 | 1492.3 | 1492.9 | 1493.7 | 1495.3 | 1496.9 | 1495.3 |
| 5° | 1489.3 | 1500.8 | 1512.3 | 1509.6 | 1502.2 | 1499.1 | 1500.5 | 1503.2 | 1510.0 | 1516.8 | 1510.0 |
| 7.5° | 1489.0 | 1505.4 | 1521.8 | 1523.1 | 1519.3 | 1519.3 | 1523.3 | 1528.5 | 1537.4 | 1546.4 | 1537.4 |
| 10° | 1487.8 | 1507.4 | 1527.1 | 1530.0 | 1527.3 | 1526.3 | 1526.9 | 1529.8 | 1539.3 | 1548.8 | 1539.3 |
| 12.5° | 1480.4 | 1503.4 | 1526.3 | 1523.9 | 1513.0 | 1507.1 | 1506.2 | 1506.8 | 1511.9 | 1517.1 | 1511.9 |
| 15° | 1458.8 | 1485.9 | 1513.0 | 1502.0 | 1478.3 | 1467.4 | 1469.5 | 1471.8 | 1475.2 | 1478.6 | 1475.2 |
| 17.5° | 1420.6 | 1449.0 | 1477.3 | 1467.4 | 1444.8 | 1437.1 | 1444.4 | 1451.6 | 1458.2 | 1464.9 | 1458.2 |
| 20° | 1396.2 | 1424.0 | 1451.8 | 1445.0 | 1426.7 | 1422.3 | 1431.8 | 1441.8 | 1453.3 | 1464.9 | 1453.3 |
| 22.5° | 1374.2 | 1402.0 | 1429.8 | 1425.5 | 1410.5 | 1409.6 | 1422.9 | 1436.8 | 1452.7 | 1468.5 | 1452.7 |
| 25° | 1342.8 | 1367.2 | 1391.6 | 1392.1 | 1384.7 | 1392.1 | 1414.5 | 1435.7 | 1453.3 | 1471.0 | 1453.3 |
| 27.5° | 1309.8 | 1324.2 | 1338.6 | 1348.1 | 1356.0 | 1375.0 | 1405.3 | 1431.0 | 1443.4 | 1455.7 | 1443.4 |
| 30° | 1281.8 | 1291.3 | 1300.8 | 1318.4 | 1338.7 | 1362.1 | 1388.6 | 1409.6 | 1414.4 | 1419.1 | 1414.4 |
| 32.5° | 1251.2 | 1256.9 | 1262.6 | 1287.5 | 1318.7 | 1341.2 | 1355.2 | 1364.2 | 1358.1 | 1352.0 | 1358.1 |
| 35° | 1200.9 | 1205.6 | 1210.4 | 1242.1 | 1282.8 | 1297.7 | 1286.9 | 1275.5 | 1262.6 | 1249.7 | 1262.6 |
| 37.5° | 1141.1 | 1150.8 | 1160.6 | 1186.4 | 1217.6 | 1217.4 | 1185.6 | 1158.1 | 1143.3 | 1128.6 | 1143.3 |
| 40° | 1097.1 | 1113.4 | 1129.7 | 1147.0 | 1164.6 | 1149.7 | 1102.2 | 1062.4 | 1045.4 | 1028.5 | 1045.4 |
| 42.5° | 1043.4 | 1069.5 | 1095.5 | 1099.4 | 1095.8 | 1063.8 | 1003.3 | 952.8 | 932.0 | 911.3 | 932.0 |
| 45° | 958.3 | 993.5 | 1028.8 | 1008.6 | 970.0 | 917.8 | 852.0 | 796.9 | 773.8 | 750.7 | 773.8 |
| 47.5° | 857.9 | 894.1 | 930.3 | 892.3 | 829.5 | 768.7 | 710.0 | 660.5 | 639.0 | 617.4 | 639.0 |
| 50° | 791.9 | 821.1 | 850.3 | 807.2 | 740.1 | 679.0 | 624.1 | 577.0 | 553.2 | 529.5 | 553.2 |
| 52.5° | 724.8 | 745.8 | 766.9 | 724.2 | 660.3 | 600.9 | 546.0 | 499.4 | 477.8 | 456.2 | 477.8 |
| 55° | 621.0 | 631.9 | 642.7 | 603.2 | 547.0 | 492.7 | 440.5 | 397.6 | 382.7 | 367.7 | 382.7 |
| 57.5° | 525.8 | 532.7 | 539.7 | 502.2 | 450.0 | 401.7 | 357.4 | 321.4 | 310.4 | 299.4 | 310.4 |
| 60° | 468.5 | 473.2 | 477.9 | 440.0 | 387.8 | 344.3 | 309.8 | 281.6 | 272.8 | 264.0 | 272.8 |
| 62.5° | 416.0 | 419.6 | 423.3 | 386.7 | 336.6 | 297.8 | 270.3 | 248.0 | 241.3 | 234.7 | 241.3 |
| 65° | 341.8 | 345.2 | 348.6 | 317.4 | 274.7 | 242.8 | 221.8 | 204.8 | 200.1 | 195.3 | 200.1 |
| 67.5° | 282.9 | 284.7 | 286.4 | 260.7 | 225.9 | 200.2 | 183.6 | 170.1 | 165.6 | 161.1 | 165.6 |
| 70° | 248.7 | 249.4 | 250.1 | 227.4 | 196.8 | 174.1 | 159.2 | 147.2 | 143.8 | 140.4 | 143.8 |
| 72.5° | 218.2 | 217.3 | 216.3 | 196.0 | 169.3 | 149.8 | 137.6 | 127.9 | 125.6 | 123.3 | 125.6 |
| 75° | 172.4 | 170.4 | 168.4 | 151.6 | 129.9 | 115.0 | 106.8 | 100.4 | 99.0 | 97.7 | 99.0 |
| 77.5° | 128.8 | 126.6 | 124.4 | 110.5 | 92.6 | 82.3 | 79.6 | 77.5 | 77.5 | 77.5 | 77.5 |
| 80° | 100.7 | 98.0 | 95.3 | 84.4 | 70.9 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| 82.5° | 75.1 | 71.3 | 67.5 | 60.8 | 53.2 | 49.4 | 49.4 | 49.3 | 48.8 | 48.2 | 48.8 |
| 85° | 36.6 | 33.2 | 29.8 | 29.0 | 29.0 | 27.0 | 22.9 | 19.3 | 17.3 | 15.3 | 17.3 |
| 87.5° | 10.0 | 10.3 | 10.6 | 8.9 | 6.4 | 5.1 | 5.1 | 5.1 | 5.2 | 5.2 | 5.2 |
| 90° | 1.1 | 2.5 | 4.3 | 5.7 | 6.7 | 7.1 | 7.1 | 7.4 | 7.8 | 7.8 | 7.8 |
| 92.5° | 3.9 | 6.2 | 6.2 | 6.2 | 7.6 | 8.2 | 8.8 | 8.9 | 9.2 | 9.2 | 9.2 |
| 95° | 11.0 | 12.0 | 18.1 | 17.7 | 12.0 | 9.6 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 |
| 97.5° | 21.0 | 22.5 | 23.5 | 31.5 | 33.3 | 32.2 | 26.2 | 22.0 | 19.7 | 18.6 | 19.7 |
| 100° | 29.8 | 30.5 | 32.6 | 32.9 | 41.8 | 50.3 | 46.0 | 40.7 | 39.0 | 37.9 | 39.0 |
| 102.5° | 38.5 | 39.0 | 42.2 | 43.7 | 45.8 | 50.6 | 65.3 | 63.7 | 62.5 | 62.3 | 62.5 |
| 105° | 51.7 | 52.1 | 58.1 | 60.9 | 62.3 | 62.3 | 62.0 | 69.1 | 80.4 | 82.9 | 80.4 |
| 107.5° | 65.8 | 67.4 | 74.5 | 82.1 | 83.7 | 84.2 | 82.3 | 81.3 | 80.8 | 81.1 | 80.8 |
| 110° | 75.4 | 77.9 | 86.4 | 96.0 | 98.5 | 99.2 | 98.5 | 97.4 | 96.7 | 96.7 | 96.7 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 84.8 | 88.4 | 98.0 | 109.0 | 113.2 | 115.3 | 113.8 | 113.0 | 112.3 | 112.9 | 112.3 |
| 115° | 99.2 | 104.5 | 117.2 | 128.6 | 137.1 | 138.1 | 137.8 | 137.8 | 137.4 | 137.4 | 137.4 |
| 117.5° | 112.5 | 121.0 | 135.3 | 148.5 | 158.3 | 161.2 | 162.6 | 162.2 | 161.7 | 162.4 | 161.7 |
| 120° | 121.9 | 131.8 | 148.1 | 162.9 | 172.5 | 176.8 | 178.2 | 177.5 | 178.2 | 177.5 | 178.2 |
| 122.5° | 131.8 | 144.0 | 160.0 | 175.4 | 186.7 | 191.5 | 193.2 | 193.3 | 193.5 | 193.1 | 193.5 |
| 125° | 146.6 | 161.5 | 180.3 | 196.2 | 207.9 | 213.6 | 215.0 | 215.4 | 216.1 | 217.8 | 216.1 |
| 127.5° | 161.7 | 178.5 | 199.1 | 214.5 | 226.5 | 233.4 | 235.6 | 236.3 | 237.8 | 238.6 | 237.8 |
| 130° | 172.2 | 191.3 | 212.2 | 226.7 | 238.4 | 245.8 | 249.7 | 250.8 | 252.6 | 252.2 | 252.6 |
| 132.5° | 183.2 | 203.2 | 224.4 | 239.5 | 250.3 | 258.3 | 261.6 | 264.7 | 265.3 | 265.8 | 265.3 |
| 135° | 199.4 | 221.0 | 242.3 | 257.2 | 267.4 | 275.2 | 279.5 | 282.3 | 284.1 | 285.1 | 284.1 |
| 137.5° | 216.5 | 239.3 | 259.7 | 273.0 | 283.3 | 290.0 | 294.9 | 297.8 | 299.7 | 300.5 | 299.7 |
| 140° | 228.1 | 250.1 | 269.9 | 283.7 | 292.9 | 299.7 | 303.9 | 307.5 | 309.6 | 309.6 | 309.6 |
| 142.5° | 239.2 | 260.9 | 280.1 | 293.9 | 302.0 | 308.2 | 312.7 | 315.4 | 317.8 | 317.8 | 317.8 |
| 145° | 254.7 | 276.3 | 294.0 | 307.8 | 314.6 | 320.2 | 325.2 | 327.3 | 328.7 | 328.7 | 328.7 |
| 147.5° | 270.9 | 290.0 | 306.2 | 319.4 | 325.1 | 331.8 | 335.7 | 337.4 | 339.1 | 338.4 | 339.1 |
| 150° | 280.5 | 298.3 | 313.8 | 326.2 | 331.9 | 338.3 | 342.2 | 343.6 | 345.4 | 344.3 | 345.4 |
| 152.5° | 289.9 | 306.8 | 320.9 | 332.5 | 337.3 | 343.7 | 348.1 | 349.5 | 350.8 | 350.0 | 350.8 |
| 155° | 302.5 | 317.4 | 330.5 | 341.1 | 345.4 | 351.4 | 355.6 | 357.4 | 358.8 | 357.1 | 358.8 |
| 157.5° | 313.8 | 326.6 | 338.0 | 347.8 | 352.3 | 357.5 | 361.4 | 363.6 | 365.1 | 364.3 | 365.1 |
| 160° | 320.6 | 332.3 | 342.5 | 351.7 | 356.0 | 360.6 | 364.9 | 367.3 | 368.7 | 367.7 | 368.7 |
| 162.5° | 326.2 | 336.8 | 346.5 | 354.9 | 358.5 | 362.6 | 367.7 | 369.9 | 371.3 | 370.0 | 371.3 |
| 165° | 334.4 | 342.9 | 351.4 | 358.5 | 361.7 | 364.9 | 370.2 | 372.6 | 373.7 | 372.3 | 373.7 |
| 167.5° | 340.6 | 347.1 | 353.9 | 360.0 | 362.4 | 365.5 | 370.8 | 372.9 | 374.2 | 372.4 | 374.2 |
| 170° | 344.0 | 349.6 | 355.6 | 360.6 | 362.4 | 365.2 | 370.5 | 372.3 | 373.4 | 371.6 | 373.4 |
| 172.5° | 346.8 | 351.0 | 355.9 | 360.3 | 361.2 | 363.5 | 368.5 | 370.3 | 371.1 | 369.6 | 371.1 |
| 175° | 349.6 | 352.1 | 355.6 | 358.5 | 358.1 | 359.5 | 363.8 | 365.2 | 366.6 | 364.5 | 366.6 |
| 177.5° | 351.0 | 352.1 | 353.2 | 354.9 | 353.8 | 353.8 | 356.9 | 357.8 | 358.0 | 356.9 | 358.0 |
| 180° | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 |



TEST NUMBER: P1428190

CATALOG NUMBER: SQ2W-PR1-K-025U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1496.9 | 1496.9 | 1496.9 | 1496.9 | 1496.9 | 1496.9 | 1496.9 | 1496.9 | 1496.9 | 1496.9 | 1496.9 |
| 2.5° | 1493.7 | 1492.9 | 1492.3 | 1495.8 | 1503.4 | 1507.1 | 1499.0 | 1490.8 | 1499.0 | 1507.1 | 1503.4 |
| 5° | 1503.2 | 1500.5 | 1499.1 | 1502.2 | 1509.6 | 1512.3 | 1500.8 | 1489.3 | 1500.8 | 1512.3 | 1509.6 |
| 7.5° | 1528.5 | 1523.3 | 1519.3 | 1519.3 | 1523.1 | 1521.8 | 1505.4 | 1489.0 | 1505.4 | 1521.8 | 1523.1 |
| 10° | 1529.8 | 1526.9 | 1526.3 | 1527.3 | 1530.0 | 1527.1 | 1507.4 | 1487.8 | 1507.4 | 1527.1 | 1530.0 |
| 12.5° | 1506.8 | 1506.2 | 1507.1 | 1513.0 | 1523.9 | 1526.3 | 1503.4 | 1480.4 | 1503.4 | 1526.3 | 1523.9 |
| 15° | 1471.8 | 1469.5 | 1467.4 | 1478.3 | 1502.0 | 1513.0 | 1485.9 | 1458.8 | 1485.9 | 1513.0 | 1502.0 |
| 17.5° | 1451.6 | 1444.4 | 1437.1 | 1444.8 | 1467.4 | 1477.3 | 1449.0 | 1420.6 | 1449.0 | 1477.3 | 1467.4 |
| 20° | 1441.8 | 1431.8 | 1422.3 | 1426.7 | 1445.0 | 1451.8 | 1424.0 | 1396.2 | 1424.0 | 1451.8 | 1445.0 |
| 22.5° | 1436.8 | 1422.9 | 1409.6 | 1410.5 | 1425.5 | 1429.8 | 1402.0 | 1374.2 | 1402.0 | 1429.8 | 1425.5 |
| 25° | 1435.7 | 1414.5 | 1392.1 | 1384.7 | 1392.1 | 1391.6 | 1367.2 | 1342.8 | 1367.2 | 1391.6 | 1392.1 |
| 27.5° | 1431.0 | 1405.3 | 1375.0 | 1356.0 | 1348.1 | 1338.6 | 1324.2 | 1309.8 | 1324.2 | 1338.6 | 1348.1 |
| 30° | 1409.6 | 1388.6 | 1362.1 | 1338.7 | 1318.4 | 1300.8 | 1291.3 | 1281.8 | 1291.3 | 1300.8 | 1318.4 |
| 32.5° | 1364.2 | 1355.2 | 1341.2 | 1318.7 | 1287.5 | 1262.6 | 1256.9 | 1251.2 | 1256.9 | 1262.6 | 1287.5 |
| 35° | 1275.5 | 1286.9 | 1297.7 | 1282.8 | 1242.1 | 1210.4 | 1205.6 | 1200.9 | 1205.6 | 1210.4 | 1242.1 |
| 37.5° | 1158.1 | 1185.6 | 1217.4 | 1217.6 | 1186.4 | 1160.6 | 1150.8 | 1141.1 | 1150.8 | 1160.6 | 1186.4 |
| 40° | 1062.4 | 1102.2 | 1149.7 | 1164.6 | 1147.0 | 1129.7 | 1113.4 | 1097.1 | 1113.4 | 1129.7 | 1147.0 |
| 42.5° | 952.8 | 1003.3 | 1063.8 | 1095.8 | 1099.4 | 1095.5 | 1069.5 | 1043.4 | 1069.5 | 1095.5 | 1099.4 |
| 45° | 796.9 | 852.0 | 917.8 | 970.0 | 1008.6 | 1028.8 | 993.5 | 958.3 | 993.5 | 1028.8 | 1008.6 |
| 47.5° | 660.5 | 710.0 | 768.7 | 829.5 | 892.3 | 930.3 | 894.1 | 857.9 | 894.1 | 930.3 | 892.3 |
| 50° | 577.0 | 624.1 | 679.0 | 740.1 | 807.2 | 850.3 | 821.1 | 791.9 | 821.1 | 850.3 | 807.2 |
| 52.5° | 499.4 | 546.0 | 600.9 | 660.3 | 724.2 | 766.9 | 745.8 | 724.8 | 745.8 | 766.9 | 724.2 |
| 55° | 397.6 | 440.5 | 492.7 | 547.0 | 603.2 | 642.7 | 631.9 | 621.0 | 631.9 | 642.7 | 603.2 |
| 57.5° | 321.4 | 357.4 | 401.7 | 450.0 | 502.2 | 539.7 | 532.7 | 525.8 | 532.7 | 539.7 | 502.2 |
| 60° | 281.6 | 309.8 | 344.3 | 387.8 | 440.0 | 477.9 | 473.2 | 468.5 | 473.2 | 477.9 | 440.0 |
| 62.5° | 248.0 | 270.3 | 297.8 | 336.6 | 386.7 | 423.3 | 419.6 | 416.0 | 419.6 | 423.3 | 386.7 |
| 65° | 204.8 | 221.8 | 242.8 | 274.7 | 317.4 | 348.6 | 345.2 | 341.8 | 345.2 | 348.6 | 317.4 |
| 67.5° | 170.1 | 183.6 | 200.2 | 225.9 | 260.7 | 286.4 | 284.7 | 282.9 | 284.7 | 286.4 | 260.7 |
| 70° | 147.2 | 159.2 | 174.1 | 196.8 | 227.4 | 250.1 | 249.4 | 248.7 | 249.4 | 250.1 | 227.4 |
| 72.5° | 127.9 | 137.6 | 149.8 | 169.3 | 196.0 | 216.3 | 217.3 | 218.2 | 217.3 | 216.3 | 196.0 |
| 75° | 100.4 | 106.8 | 115.0 | 129.9 | 151.6 | 168.4 | 170.4 | 172.4 | 170.4 | 168.4 | 151.6 |
| 77.5° | 77.5 | 79.6 | 82.3 | 92.6 | 110.5 | 124.4 | 126.6 | 128.8 | 126.6 | 124.4 | 110.5 |
| 80° | 64.1 | 64.1 | 64.1 | 70.9 | 84.4 | 95.3 | 98.0 | 100.7 | 98.0 | 95.3 | 84.4 |
| 82.5° | 49.3 | 49.4 | 49.4 | 53.2 | 60.8 | 67.5 | 71.3 | 75.1 | 71.3 | 67.5 | 60.8 |
| 85° | 19.3 | 22.9 | 27.0 | 29.0 | 29.0 | 29.8 | 33.2 | 36.6 | 33.2 | 29.8 | 29.0 |
| 87.5° | 5.1 | 5.1 | 5.1 | 6.4 | 8.9 | 10.6 | 10.3 | 10.0 | 10.3 | 10.5 | 9.0 |
| 90° | 7.4 | 7.1 | 7.1 | 6.7 | 5.7 | 4.3 | 2.5 | 1.1 | 2.5 | 3.9 | 6.4 |
| 92.5° | 8.9 | 8.8 | 8.2 | 7.6 | 6.2 | 6.2 | 6.2 | 3.9 | 6.7 | 9.6 | 13.7 |
| 95° | 8.1 | 8.1 | 9.6 | 12.0 | 17.7 | 18.1 | 12.0 | 11.0 | 15.6 | 22.0 | 27.6 |
| 97.5° | 22.0 | 26.2 | 32.2 | 33.3 | 31.5 | 23.5 | 22.5 | 21.0 | 28.6 | 34.9 | 44.0 |
| 100° | 40.7 | 46.0 | 50.3 | 41.8 | 32.9 | 32.6 | 30.5 | 29.8 | 37.9 | 43.9 | 52.8 |
| 102.5° | 63.7 | 65.3 | 50.6 | 45.8 | 43.7 | 42.2 | 39.0 | 38.5 | 46.7 | 55.0 | 62.4 |
| 105° | 69.1 | 62.0 | 62.3 | 62.3 | 60.9 | 58.1 | 52.1 | 51.7 | 60.9 | 70.5 | 79.7 |
| 107.5° | 81.3 | 82.3 | 84.2 | 83.7 | 82.1 | 74.5 | 67.4 | 65.8 | 74.1 | 85.6 | 95.7 |
| 110° | 97.4 | 98.5 | 99.2 | 98.5 | 96.0 | 86.4 | 77.9 | 75.4 | 82.9 | 94.9 | 105.9 |



TEST NUMBER: P1428190

CATALOG NUMBER: SQ2W-PR1-K-025U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 113.0 | 113.8 | 115.3 | 113.2 | 109.0 | 98.0 | 88.4 | 84.8 | 92.2 | 104.6 | 115.8 |
| 115° | 137.8 | 137.8 | 138.1 | 137.1 | 128.6 | 117.2 | 104.5 | 99.2 | 105.6 | 116.9 | 129.3 |
| 117.5° | 162.2 | 162.6 | 161.2 | 158.3 | 148.5 | 135.3 | 121.0 | 112.5 | 117.5 | 129.5 | 142.3 |
| 120° | 177.5 | 178.2 | 176.8 | 172.5 | 162.9 | 148.1 | 131.8 | 121.9 | 125.7 | 137.4 | 150.2 |
| 122.5° | 193.3 | 193.2 | 191.5 | 186.7 | 175.4 | 160.0 | 144.0 | 131.8 | 133.4 | 144.2 | 156.7 |
| 125° | 215.4 | 215.0 | 213.6 | 207.9 | 196.2 | 180.3 | 161.5 | 146.6 | 144.5 | 153.7 | 166.5 |
| 127.5° | 236.3 | 235.6 | 233.4 | 226.5 | 214.5 | 199.1 | 178.5 | 161.7 | 156.9 | 162.7 | 174.4 |
| 130° | 250.8 | 249.7 | 245.8 | 238.4 | 226.7 | 212.2 | 191.3 | 172.2 | 165.4 | 169.0 | 179.2 |
| 132.5° | 264.7 | 261.6 | 258.3 | 250.3 | 239.5 | 224.4 | 203.2 | 183.2 | 173.9 | 175.5 | 183.5 |
| 135° | 282.3 | 279.5 | 275.2 | 267.4 | 257.2 | 242.3 | 221.0 | 199.4 | 186.7 | 185.3 | 189.9 |
| 137.5° | 297.8 | 294.9 | 290.0 | 283.3 | 273.0 | 259.7 | 239.3 | 216.5 | 200.4 | 195.7 | 197.4 |
| 140° | 307.5 | 303.9 | 299.7 | 292.9 | 283.7 | 269.9 | 250.1 | 228.1 | 210.1 | 203.3 | 202.3 |
| 142.5° | 315.4 | 312.7 | 308.2 | 302.0 | 293.9 | 280.1 | 260.9 | 239.2 | 220.0 | 211.3 | 208.8 |
| 145° | 327.3 | 325.2 | 320.2 | 314.6 | 307.8 | 294.0 | 276.3 | 254.7 | 235.6 | 224.2 | 218.9 |
| 147.5° | 337.4 | 335.7 | 331.8 | 325.1 | 319.4 | 306.2 | 290.0 | 270.9 | 251.3 | 237.3 | 230.4 |
| 150° | 343.6 | 342.2 | 338.3 | 331.9 | 326.2 | 313.8 | 298.3 | 280.5 | 261.8 | 246.9 | 238.0 |
| 152.5° | 349.5 | 348.1 | 343.7 | 337.3 | 332.5 | 320.9 | 306.8 | 289.9 | 270.8 | 256.0 | 246.8 |
| 155° | 357.4 | 355.6 | 351.4 | 345.4 | 341.1 | 330.5 | 317.4 | 302.5 | 286.2 | 270.6 | 260.4 |
| 157.5° | 363.6 | 361.4 | 357.5 | 352.3 | 347.8 | 338.0 | 326.6 | 313.8 | 299.5 | 284.7 | 274.2 |
| 160° | 367.3 | 364.9 | 360.6 | 356.0 | 351.7 | 342.5 | 332.3 | 320.6 | 307.5 | 294.0 | 282.7 |
| 162.5° | 369.9 | 367.7 | 362.6 | 358.5 | 354.9 | 346.5 | 336.8 | 326.2 | 314.6 | 302.8 | 292.3 |
| 165° | 372.6 | 370.2 | 364.9 | 361.7 | 358.5 | 351.4 | 342.9 | 334.4 | 324.5 | 314.9 | 306.4 |
| 167.5° | 372.9 | 370.8 | 365.5 | 362.4 | 360.0 | 353.9 | 347.1 | 340.6 | 332.8 | 325.3 | 318.2 |
| 170° | 372.3 | 370.5 | 365.2 | 362.4 | 360.6 | 355.6 | 349.6 | 344.0 | 337.9 | 331.6 | 325.9 |
| 172.5° | 370.3 | 368.5 | 363.5 | 361.2 | 360.3 | 355.9 | 351.0 | 346.8 | 341.6 | 336.9 | 332.4 |
| 175° | 365.2 | 363.8 | 359.5 | 358.1 | 358.5 | 355.6 | 352.1 | 349.6 | 346.4 | 343.6 | 341.1 |
| 177.5° | 357.8 | 356.9 | 353.8 | 353.8 | 354.9 | 353.2 | 352.1 | 351.0 | 349.5 | 348.7 | 347.8 |
| 180° | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 |



TEST NUMBER: P1428190

CATALOG NUMBER: SQ2W-PR1-K-025U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1496.9 | 1496.9 | 1496.9 | 1496.9 | 1496.9 | 1496.9 | 1496.9 | 1496.9 | 1496.9 | 1496.9 | 1496.9 |
| 2.5° | 1495.8 | 1492.3 | 1492.9 | 1493.7 | 1495.3 | 1496.9 | 1495.3 | 1493.7 | 1492.9 | 1492.3 | 1495.8 |
| 5° | 1502.2 | 1499.1 | 1500.5 | 1503.2 | 1510.0 | 1516.8 | 1510.0 | 1503.2 | 1500.5 | 1499.1 | 1502.2 |
| 7.5° | 1519.3 | 1519.3 | 1523.3 | 1528.5 | 1537.4 | 1546.4 | 1537.4 | 1528.5 | 1523.3 | 1519.3 | 1519.3 |
| 10° | 1527.3 | 1526.3 | 1526.9 | 1529.8 | 1539.3 | 1548.8 | 1539.3 | 1529.8 | 1526.9 | 1526.3 | 1527.3 |
| 12.5° | 1513.0 | 1507.1 | 1506.2 | 1506.8 | 1511.9 | 1517.1 | 1511.9 | 1506.8 | 1506.2 | 1507.1 | 1513.0 |
| 15° | 1478.3 | 1467.4 | 1469.5 | 1471.8 | 1475.2 | 1478.6 | 1475.2 | 1471.8 | 1469.5 | 1467.4 | 1478.3 |
| 17.5° | 1444.8 | 1437.1 | 1444.4 | 1451.6 | 1458.2 | 1464.9 | 1458.2 | 1451.6 | 1444.4 | 1437.1 | 1444.8 |
| 20° | 1426.7 | 1422.3 | 1431.8 | 1441.8 | 1453.3 | 1464.9 | 1453.3 | 1441.8 | 1431.8 | 1422.3 | 1426.7 |
| 22.5° | 1410.5 | 1409.6 | 1422.9 | 1436.8 | 1452.7 | 1468.5 | 1452.7 | 1436.8 | 1422.9 | 1409.6 | 1410.5 |
| 25° | 1384.7 | 1392.1 | 1414.5 | 1435.7 | 1453.3 | 1471.0 | 1453.3 | 1435.7 | 1414.5 | 1392.1 | 1384.7 |
| 27.5° | 1356.0 | 1375.0 | 1405.3 | 1431.0 | 1443.4 | 1455.7 | 1443.4 | 1431.0 | 1405.3 | 1375.0 | 1356.0 |
| 30° | 1338.7 | 1362.1 | 1388.6 | 1409.6 | 1414.4 | 1419.1 | 1414.4 | 1409.6 | 1388.6 | 1362.1 | 1338.7 |
| 32.5° | 1318.7 | 1341.2 | 1355.2 | 1364.2 | 1358.1 | 1352.0 | 1358.1 | 1364.2 | 1355.2 | 1341.2 | 1318.7 |
| 35° | 1282.8 | 1297.7 | 1286.9 | 1275.5 | 1262.6 | 1249.7 | 1262.6 | 1275.5 | 1286.9 | 1297.7 | 1282.8 |
| 37.5° | 1217.6 | 1217.4 | 1185.6 | 1158.1 | 1143.3 | 1128.6 | 1143.3 | 1158.1 | 1185.6 | 1217.4 | 1217.6 |
| 40° | 1164.6 | 1149.7 | 1102.2 | 1062.4 | 1045.4 | 1028.5 | 1045.4 | 1062.4 | 1102.2 | 1149.7 | 1164.6 |
| 42.5° | 1095.8 | 1063.8 | 1003.3 | 952.8 | 932.0 | 911.3 | 932.0 | 952.8 | 1003.3 | 1063.8 | 1095.8 |
| 45° | 970.0 | 917.8 | 852.0 | 796.9 | 773.8 | 750.7 | 773.8 | 796.9 | 852.0 | 917.8 | 970.0 |
| 47.5° | 829.5 | 768.7 | 710.0 | 660.5 | 639.0 | 617.4 | 639.0 | 660.5 | 710.0 | 768.7 | 829.5 |
| 50° | 740.1 | 679.0 | 624.1 | 577.0 | 553.2 | 529.5 | 553.2 | 577.0 | 624.1 | 679.0 | 740.1 |
| 52.5° | 660.3 | 600.9 | 546.0 | 499.4 | 477.8 | 456.2 | 477.8 | 499.4 | 546.0 | 600.9 | 660.3 |
| 55° | 547.0 | 492.7 | 440.5 | 397.6 | 382.7 | 367.7 | 382.7 | 397.6 | 440.5 | 492.7 | 547.0 |
| 57.5° | 450.0 | 401.7 | 357.4 | 321.4 | 310.4 | 299.4 | 310.4 | 321.4 | 357.4 | 401.7 | 450.0 |
| 60° | 387.8 | 344.3 | 309.8 | 281.6 | 272.8 | 264.0 | 272.8 | 281.6 | 309.8 | 344.3 | 387.8 |
| 62.5° | 336.6 | 297.8 | 270.3 | 248.0 | 241.3 | 234.7 | 241.3 | 248.0 | 270.3 | 297.8 | 336.6 |
| 65° | 274.7 | 242.8 | 221.8 | 204.8 | 200.1 | 195.3 | 200.1 | 204.8 | 221.8 | 242.8 | 274.7 |
| 67.5° | 225.9 | 200.2 | 183.6 | 170.1 | 165.6 | 161.1 | 165.6 | 170.1 | 183.6 | 200.2 | 225.9 |
| 70° | 196.8 | 174.1 | 159.2 | 147.2 | 143.8 | 140.4 | 143.8 | 147.2 | 159.2 | 174.1 | 196.8 |
| 72.5° | 169.3 | 149.8 | 137.6 | 127.9 | 125.6 | 123.3 | 125.6 | 127.9 | 137.6 | 149.8 | 169.3 |
| 75° | 129.9 | 115.0 | 106.8 | 100.4 | 99.0 | 97.7 | 99.0 | 100.4 | 106.8 | 115.0 | 129.9 |
| 77.5° | 92.6 | 82.3 | 79.6 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 79.6 | 82.3 | 92.6 |
| 80° | 70.9 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 70.9 |
| 82.5° | 53.2 | 49.4 | 49.4 | 49.3 | 48.8 | 48.2 | 48.8 | 49.3 | 49.4 | 49.4 | 53.2 |
| 85° | 29.0 | 27.0 | 22.9 | 19.3 | 17.3 | 15.3 | 17.3 | 19.3 | 22.9 | 27.0 | 29.0 |
| 87.5° | 6.6 | 5.8 | 6.3 | 6.6 | 6.9 | 6.7 | 6.9 | 6.6 | 6.3 | 5.8 | 6.6 |
| 90° | 8.1 | 10.6 | 13.1 | 14.5 | 15.9 | 15.2 | 15.9 | 14.5 | 13.1 | 10.6 | 8.1 |
| 92.5° | 16.4 | 20.5 | 23.6 | 26.1 | 27.3 | 27.1 | 27.3 | 26.1 | 23.6 | 20.5 | 16.4 |
| 95° | 32.9 | 37.9 | 42.9 | 46.4 | 48.5 | 47.8 | 48.5 | 46.4 | 42.9 | 37.9 | 32.9 |
| 97.5° | 50.8 | 57.5 | 63.0 | 66.3 | 68.4 | 69.9 | 68.4 | 66.3 | 63.0 | 57.5 | 50.8 |
| 100° | 62.7 | 69.1 | 75.4 | 79.3 | 82.9 | 84.3 | 82.9 | 79.3 | 75.4 | 69.1 | 62.7 |
| 102.5° | 72.3 | 80.7 | 87.6 | 91.8 | 94.8 | 96.2 | 94.8 | 91.8 | 87.6 | 80.7 | 72.3 |
| 105° | 88.2 | 97.1 | 104.5 | 109.8 | 113.0 | 114.1 | 113.0 | 109.8 | 104.5 | 97.1 | 88.2 |
| 107.5° | 104.1 | 113.2 | 120.1 | 126.0 | 129.9 | 132.1 | 129.9 | 126.0 | 120.1 | 113.2 | 104.1 |
| 110° | 116.5 | 124.0 | 131.4 | 136.7 | 140.6 | 142.0 | 140.6 | 136.7 | 131.4 | 124.0 | 116.5 |



TEST NUMBER: P1428190

CATALOG NUMBER: SQ2W-PR1-K-025U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 127.0 | 135.3 | 142.8 | 148.1 | 152.5 | 154.5 | 152.5 | 148.1 | 142.8 | 135.3 | 127.0 |
| 115° | 141.7 | 152.7 | 159.4 | 164.4 | 167.5 | 169.3 | 167.5 | 164.4 | 159.4 | 152.7 | 141.7 |
| 117.5° | 153.9 | 165.4 | 172.7 | 176.5 | 178.0 | 179.3 | 178.0 | 176.5 | 172.7 | 165.4 | 153.9 |
| 120° | 161.5 | 172.2 | 180.7 | 185.6 | 187.4 | 188.1 | 187.4 | 185.6 | 180.7 | 172.2 | 161.5 |
| 122.5° | 168.6 | 178.7 | 186.9 | 193.0 | 195.9 | 196.6 | 195.9 | 193.0 | 186.9 | 178.7 | 168.6 |
| 125° | 178.5 | 188.1 | 196.6 | 202.6 | 205.8 | 207.6 | 205.8 | 202.6 | 196.6 | 188.1 | 178.5 |
| 127.5° | 187.2 | 197.5 | 205.3 | 210.8 | 213.9 | 215.3 | 213.9 | 210.8 | 205.3 | 197.5 | 187.2 |
| 130° | 192.0 | 202.6 | 210.4 | 216.4 | 219.3 | 220.7 | 219.3 | 216.4 | 210.4 | 202.6 | 192.0 |
| 132.5° | 195.7 | 206.9 | 214.9 | 220.4 | 223.5 | 224.9 | 223.5 | 220.4 | 214.9 | 206.9 | 195.7 |
| 135° | 200.1 | 211.8 | 220.3 | 225.6 | 228.5 | 229.9 | 228.5 | 225.6 | 220.3 | 211.8 | 200.1 |
| 137.5° | 204.0 | 214.7 | 223.5 | 229.1 | 231.7 | 232.6 | 231.7 | 229.1 | 223.5 | 214.7 | 204.0 |
| 140° | 206.9 | 216.1 | 224.9 | 230.2 | 233.1 | 233.4 | 233.1 | 230.2 | 224.9 | 216.1 | 206.9 |
| 142.5° | 210.6 | 217.8 | 225.5 | 230.8 | 233.6 | 234.3 | 233.6 | 230.8 | 225.5 | 217.8 | 210.6 |
| 145° | 217.1 | 221.4 | 226.7 | 231.7 | 234.1 | 234.9 | 234.1 | 231.7 | 226.7 | 221.4 | 217.1 |
| 147.5° | 225.4 | 226.8 | 229.5 | 232.8 | 235.2 | 235.7 | 235.2 | 232.8 | 229.5 | 226.8 | 225.4 |
| 150° | 231.7 | 231.3 | 232.4 | 234.5 | 236.6 | 236.3 | 236.6 | 234.5 | 232.4 | 231.3 | 231.7 |
| 152.5° | 238.7 | 236.7 | 236.6 | 237.6 | 238.6 | 238.5 | 238.6 | 237.6 | 236.6 | 236.7 | 238.7 |
| 155° | 250.8 | 246.9 | 244.8 | 244.1 | 244.1 | 243.7 | 244.1 | 244.1 | 244.8 | 246.9 | 250.8 |
| 157.5° | 264.0 | 258.6 | 255.4 | 253.7 | 253.2 | 252.4 | 253.2 | 253.7 | 255.4 | 258.6 | 264.0 |
| 160° | 273.1 | 267.1 | 263.9 | 261.1 | 260.0 | 258.9 | 260.0 | 261.1 | 263.9 | 267.1 | 273.1 |
| 162.5° | 281.6 | 275.9 | 272.4 | 269.8 | 268.8 | 267.2 | 268.8 | 269.8 | 272.4 | 275.9 | 281.6 |
| 165° | 295.4 | 289.4 | 285.5 | 283.4 | 282.0 | 280.5 | 282.0 | 283.4 | 285.5 | 289.4 | 295.4 |
| 167.5° | 309.2 | 302.6 | 300.1 | 297.7 | 296.3 | 293.8 | 296.3 | 297.7 | 300.1 | 302.6 | 309.2 |
| 170° | 317.7 | 311.7 | 310.3 | 308.2 | 305.7 | 302.9 | 305.7 | 308.2 | 310.3 | 311.7 | 317.7 |
| 172.5° | 325.1 | 321.1 | 319.7 | 317.5 | 316.7 | 314.5 | 316.7 | 317.5 | 319.7 | 321.1 | 325.1 |
| 175° | 335.8 | 332.6 | 332.6 | 332.3 | 331.2 | 329.1 | 331.2 | 332.3 | 332.6 | 332.6 | 335.8 |
| 177.5° | 344.7 | 343.0 | 344.2 | 344.2 | 343.9 | 341.9 | 343.9 | 344.2 | 344.2 | 343.0 | 344.7 |
| 180° | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 |



TEST NUMBER: P1428190

CATALOG NUMBER: SQ2W-PR1-K-025U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|
| 0° | 1496.9 | 1496.9 | 1496.9 | 1496.9 |
| 2.5° | 1503.4 | 1507.1 | 1499.0 | 1490.8 |
| 5° | 1509.6 | 1512.3 | 1500.8 | 1489.3 |
| 7.5° | 1523.1 | 1521.8 | 1505.4 | 1489.0 |
| 10° | 1530.0 | 1527.1 | 1507.4 | 1487.8 |
| 12.5° | 1523.9 | 1526.3 | 1503.4 | 1480.4 |
| 15° | 1502.0 | 1513.0 | 1485.9 | 1458.8 |
| 17.5° | 1467.4 | 1477.3 | 1449.0 | 1420.6 |
| 20° | 1445.0 | 1451.8 | 1424.0 | 1396.2 |
| 22.5° | 1425.5 | 1429.8 | 1402.0 | 1374.2 |
| 25° | 1392.1 | 1391.6 | 1367.2 | 1342.8 |
| 27.5° | 1348.1 | 1338.6 | 1324.2 | 1309.8 |
| 30° | 1318.4 | 1300.8 | 1291.3 | 1281.8 |
| 32.5° | 1287.5 | 1262.6 | 1256.9 | 1251.2 |
| 35° | 1242.1 | 1210.4 | 1205.6 | 1200.9 |
| 37.5° | 1186.4 | 1160.6 | 1150.8 | 1141.1 |
| 40° | 1147.0 | 1129.7 | 1113.4 | 1097.1 |
| 42.5° | 1099.4 | 1095.5 | 1069.5 | 1043.4 |
| 45° | 1008.6 | 1028.8 | 993.5 | 958.3 |
| 47.5° | 892.3 | 930.3 | 894.1 | 857.9 |
| 50° | 807.2 | 850.3 | 821.1 | 791.9 |
| 52.5° | 724.2 | 766.9 | 745.8 | 724.8 |
| 55° | 603.2 | 642.7 | 631.9 | 621.0 |
| 57.5° | 502.2 | 539.7 | 532.7 | 525.8 |
| 60° | 440.0 | 477.9 | 473.2 | 468.5 |
| 62.5° | 386.7 | 423.3 | 419.6 | 416.0 |
| 65° | 317.4 | 348.6 | 345.2 | 341.8 |
| 67.5° | 260.7 | 286.4 | 284.7 | 282.9 |
| 70° | 227.4 | 250.1 | 249.4 | 248.7 |
| 72.5° | 196.0 | 216.3 | 217.3 | 218.2 |
| 75° | 151.6 | 168.4 | 170.4 | 172.4 |
| 77.5° | 110.5 | 124.4 | 126.6 | 128.8 |
| 80° | 84.4 | 95.3 | 98.0 | 100.7 |
| 82.5° | 60.8 | 67.5 | 71.3 | 75.1 |
| 85° | 29.0 | 29.8 | 33.2 | 36.6 |
| 87.5° | 9.0 | 10.5 | 10.3 | 10.0 |
| 90° | 6.4 | 3.9 | 2.5 | 1.1 |
| 92.5° | 13.7 | 9.6 | 6.7 | 3.9 |
| 95° | 27.6 | 22.0 | 15.6 | 11.0 |
| 97.5° | 44.0 | 34.9 | 28.6 | 21.0 |
| 100° | 52.8 | 43.9 | 37.9 | 29.8 |
| 102.5° | 62.4 | 55.0 | 46.7 | 38.5 |
| 105° | 79.7 | 70.5 | 60.9 | 51.7 |
| 107.5° | 95.7 | 85.6 | 74.1 | 65.8 |
| 110° | 105.9 | 94.9 | 82.9 | 75.4 |



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CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|-------|-------|-------|-------|
| 112.5° | 115.8 | 104.6 | 92.2 | 84.8 |
| 115° | 129.3 | 116.9 | 105.6 | 99.2 |
| 117.5° | 142.3 | 129.5 | 117.5 | 112.5 |
| 120° | 150.2 | 137.4 | 125.7 | 121.9 |
| 122.5° | 156.7 | 144.2 | 133.4 | 131.8 |
| 125° | 166.5 | 153.7 | 144.5 | 146.6 |
| 127.5° | 174.4 | 162.7 | 156.9 | 161.7 |
| 130° | 179.2 | 169.0 | 165.4 | 172.2 |
| 132.5° | 183.5 | 175.5 | 173.9 | 183.2 |
| 135° | 189.9 | 185.3 | 186.7 | 199.4 |
| 137.5° | 197.4 | 195.7 | 200.4 | 216.5 |
| 140° | 202.3 | 203.3 | 210.1 | 228.1 |
| 142.5° | 208.8 | 211.3 | 220.0 | 239.2 |
| 145° | 218.9 | 224.2 | 235.6 | 254.7 |
| 147.5° | 230.4 | 237.3 | 251.3 | 270.9 |
| 150° | 238.0 | 246.9 | 261.8 | 280.5 |
| 152.5° | 246.8 | 256.0 | 270.8 | 289.9 |
| 155° | 260.4 | 270.6 | 286.2 | 302.5 |
| 157.5° | 274.2 | 284.7 | 299.5 | 313.8 |
| 160° | 282.7 | 294.0 | 307.5 | 320.6 |
| 162.5° | 292.3 | 302.8 | 314.6 | 326.2 |
| 165° | 306.4 | 314.9 | 324.5 | 334.4 |
| 167.5° | 318.2 | 325.3 | 332.8 | 340.6 |
| 170° | 325.9 | 331.6 | 337.9 | 344.0 |
| 172.5° | 332.4 | 336.9 | 341.6 | 346.8 |
| 175° | 341.1 | 343.6 | 346.4 | 349.6 |
| 177.5° | 347.8 | 348.7 | 349.5 | 351.0 |
| 180° | 350.7 | 350.7 | 350.7 | 350.7 |

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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 | 20.04 | 21.15 | 20.72 | 21.84 | 22.65 | 16.41 | 17.52 | 17.09 | 18.21 | 19.02 |
| | 3H | 21.27 | 22.26 | 21.97 | 22.96 | 23.81 | 17.59 | 18.58 | 18.29 | 19.29 | 20.13 |
| | 4H | 21.76 | 22.69 | 22.48 | 23.41 | 24.27 | 18.07 | 19.00 | 18.78 | 19.71 | 20.57 |
| | 6H | 22.07 | 22.93 | 22.80 | 23.66 | 24.53 | 18.42 | 19.28 | 19.15 | 20.00 | 20.88 |
| | 8H | 22.18 | 23.00 | 22.92 | 23.74 | 24.62 | 18.57 | 19.38 | 19.31 | 20.12 | 21.00 |
| | 12H | 22.23 | 23.01 | 22.98 | 23.75 | 24.65 | 18.60 | 19.38 | 19.35 | 20.12 | 21.02 |
| 4H | 2H | 20.18 | 21.11 | 20.90 | 21.82 | 22.68 | 17.15 | 18.08 | 17.87 | 18.80 | 19.66 |
| | 3H | 21.66 | 22.43 | 22.39 | 23.18 | 24.06 | 18.53 | 19.30 | 19.26 | 20.05 | 20.93 |
| | 4H | 22.30 | 22.99 | 23.04 | 23.75 | 24.65 | 19.09 | 19.78 | 19.83 | 20.54 | 21.44 |
| | 6H | 22.74 | 23.34 | 23.51 | 24.12 | 25.04 | 19.53 | 20.13 | 20.30 | 20.91 | 21.83 |
| | 8H | 22.90 | 23.46 | 23.67 | 24.24 | 25.17 | 19.72 | 20.28 | 20.49 | 21.05 | 21.98 |
| | 12H | 22.98 | 23.48 | 23.77 | 24.28 | 25.21 | 19.78 | 20.28 | 20.57 | 21.08 | 22.01 |
| 8H | 4H | 22.34 | 22.90 | 23.11 | 23.68 | 24.60 | 19.43 | 19.99 | 20.20 | 20.77 | 21.69 |
| | 6H | 22.88 | 23.34 | 23.68 | 24.16 | 25.09 | 19.98 | 20.44 | 20.78 | 21.26 | 22.19 |
| | 8H | 23.11 | 23.53 | 23.93 | 24.34 | 25.29 | 20.24 | 20.65 | 21.05 | 21.47 | 22.41 |
| | 12H | 23.24 | 23.61 | 24.05 | 24.41 | 25.42 | 20.34 | 20.71 | 21.16 | 21.52 | 22.52 |
| 12H | 4H | 22.31 | 22.81 | 23.10 | 23.61 | 24.54 | 19.46 | 19.96 | 20.25 | 20.76 | 21.69 |
| | 6H | 22.87 | 23.28 | 23.68 | 24.10 | 25.04 | 20.05 | 20.46 | 20.86 | 21.28 | 22.22 |
| | 8H | 23.13 | 23.50 | 23.94 | 24.30 | 25.30 | 20.35 | 20.71 | 21.16 | 21.52 | 22.52 |