

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: P937675

Luminaire Tested: SQ4-FB-100U-100D-940-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P937675
REPORT IS A COMBINATION OF REPORTS P933575 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-100U-100D-940-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

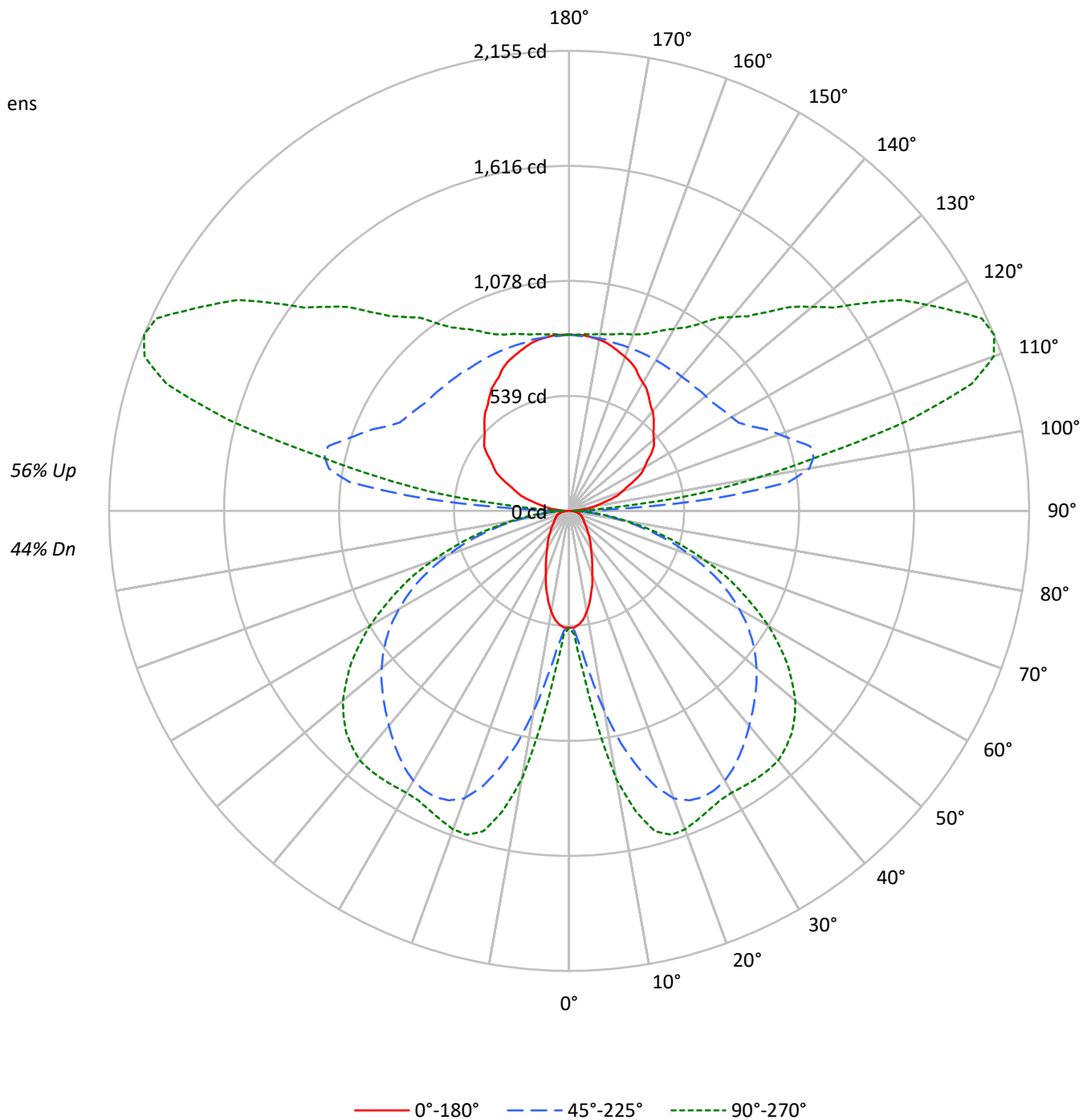
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9588.6 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 87
Input Voltage (V): NR
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: P937675
CATALOG NUMBER: SQ4-FB-100U-100D-940-1D-UNV-STD-W-6

Luminous Intensity Polar Plot





TEST NUMBER: P937675

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | | 0 | |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 51 | 51 | 51 | 44 | | | | 44 |
| 1 | 96 | 91 | 87 | 84 | 88 | 84 | 80 | 77 | 69 | 67 | 65 | 56 | 55 | 53 | 44 | 43 | 42 | 36 | | | | 36 |
| 2 | 87 | 79 | 73 | 68 | 79 | 73 | 67 | 63 | 60 | 56 | 53 | 49 | 46 | 43 | 38 | 36 | 34 | 30 | | | | 30 |
| 3 | 79 | 69 | 62 | 56 | 72 | 63 | 57 | 52 | 53 | 48 | 44 | 43 | 39 | 36 | 33 | 31 | 29 | 24 | | | | 24 |
| 4 | 72 | 61 | 53 | 46 | 65 | 56 | 49 | 43 | 46 | 41 | 37 | 38 | 34 | 30 | 29 | 27 | 24 | 20 | | | | 20 |
| 5 | 66 | 54 | 46 | 39 | 60 | 49 | 42 | 37 | 41 | 36 | 31 | 33 | 29 | 26 | 26 | 23 | 21 | 17 | | | | 17 |
| 6 | 60 | 48 | 40 | 34 | 55 | 44 | 37 | 31 | 37 | 31 | 27 | 30 | 26 | 22 | 24 | 20 | 18 | 15 | | | | 15 |
| 7 | 56 | 43 | 35 | 29 | 51 | 40 | 32 | 27 | 33 | 27 | 23 | 27 | 23 | 19 | 21 | 18 | 16 | 13 | | | | 13 |
| 8 | 51 | 39 | 31 | 26 | 47 | 36 | 29 | 24 | 30 | 24 | 20 | 25 | 20 | 17 | 19 | 16 | 14 | 11 | | | | 11 |
| 9 | 48 | 35 | 28 | 23 | 44 | 33 | 26 | 21 | 27 | 22 | 18 | 22 | 18 | 15 | 18 | 15 | 12 | 10 | | | | 10 |
| 10 | 44 | 32 | 25 | 20 | 41 | 30 | 23 | 19 | 25 | 20 | 16 | 21 | 16 | 14 | 16 | 13 | 11 | 9 | | | | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 3386 | 3386 | 3386 |
| 5° | 3306 | 3912 | 4551 |
| 10° | 2998 | 5702 | 7545 |
| 15° | 2547 | 7447 | 9110 |
| 20° | 2072 | 8628 | 9285 |
| 25° | 1728 | 9026 | 9096 |
| 30° | 1457 | 9081 | 9079 |
| 35° | 1287 | 8928 | 9314 |
| 40° | 1121 | 8729 | 9556 |
| 45° | 1015 | 8583 | 9593 |
| 50° | 930 | 8452 | 9435 |
| 55° | 889 | 8260 | 9016 |
| 60° | 910 | 7893 | 8356 |
| 65° | 945 | 7338 | 7449 |
| 70° | 1005 | 6395 | 6292 |
| 75° | 1109 | 5210 | 4910 |
| 80° | 1201 | 3608 | 3310 |
| 85° | 1049 | 1911 | 1694 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 9593 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 70.8 | 0.7 |
| 10°-20° | 313.8 | 3.3 |
| 20°-30° | 548.8 | 5.7 |
| 30°-40° | 706.5 | 7.4 |
| 40°-50° | 789.2 | 8.2 |
| 50°-60° | 755.8 | 7.9 |
| 60°-70° | 599.0 | 6.2 |
| 70°-80° | 352.2 | 3.7 |
| 80°-90° | 101.0 | 1.1 |
| 90°-100° | 402.4 | 4.2 |
| 100°-110° | 1057.9 | 11.0 |
| 110°-120° | 1096.9 | 11.4 |
| 120°-130° | 879.9 | 9.2 |
| 130°-140° | 690.4 | 7.2 |
| 140°-150° | 529.9 | 5.5 |
| 150°-160° | 381.6 | 4.0 |
| 160°-170° | 233.5 | 2.4 |
| 170°-180° | 78.9 | 0.8 |
| 0°-30° | 933.4 | 9.7 |
| 0°-40° | 1639.9 | 17.1 |
| 0°-60° | 3184.9 | 33.2 |
| 0°-90° | 4237.1 | 44.2 |
| 90°-120° | 2557.3 | 26.7 |
| 90°-150° | 4657.5 | 48.6 |
| 90°-180° | 5352.0 | 55.8 |
| 0°-180° | 9588.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|------|-------|------|------|
| 0° | 547 | 547 | 547 | 547 | 547 | |
| 5° | 533 | 572 | 644 | 729 | 755 | 49 |
| 15° | 400 | 737 | 1242 | 1506 | 1554 | 111 |
| 25° | 255 | 836 | 1480 | 1545 | 1547 | 118 |
| 35° | 172 | 799 | 1394 | 1473 | 1531 | 108 |
| 45° | 118 | 637 | 1232 | 1411 | 1475 | 91 |
| 55° | 84 | 405 | 1045 | 1214 | 1248 | 77 |
| 65° | 67 | 215 | 776 | 873 | 885 | 66 |
| 75° | 49 | 132 | 426 | 468 | 470 | 52 |
| 85° | 18 | 40 | 106 | 116 | 118 | 19 |
| 90° | 6 | 16 | 42 | 21 | 21 | 6 |
| 95° | 53 | 208 | 693 | 357 | 243 | 59 |
| 105° | 191 | 289 | 1170 | 1776 | 1657 | 202 |
| 115° | 338 | 411 | 937 | 1869 | 2133 | 334 |
| 125° | 471 | 528 | 852 | 1440 | 1699 | 418 |
| 135° | 561 | 618 | 826 | 1162 | 1318 | 434 |
| 145° | 651 | 693 | 815 | 992 | 1069 | 408 |
| 155° | 736 | 756 | 815 | 895 | 921 | 338 |
| 165° | 794 | 804 | 815 | 847 | 858 | 224 |
| 175° | 826 | 826 | 820 | 831 | 831 | 78 |
| 180° | 826 | 826 | 826 | 826 | 826 | |



TEST NUMBER: P937675

CATALOG NUMBER: SQ4-FB-100U-100D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 547.3 | 547.3 | 547.3 | 547.3 | 547.3 | 547.3 | 547.3 | 547.3 | 547.3 | 547.3 | 547.3 |
| 2.5° | 547.3 | 547.3 | 550.8 | 552.6 | 556.1 | 557.8 | 561.4 | 564.9 | 575.4 | 577.2 | 580.8 |
| 5° | 533.2 | 540.3 | 563.2 | 572.0 | 596.6 | 630.0 | 644.1 | 667.0 | 714.5 | 728.6 | 737.4 |
| 7.5° | 512.1 | 527.9 | 584.3 | 598.3 | 660.0 | 748.0 | 784.9 | 834.2 | 909.8 | 946.8 | 976.7 |
| 10° | 478.6 | 512.1 | 612.5 | 645.8 | 746.2 | 879.9 | 948.6 | 1017.2 | 1131.6 | 1182.6 | 1202.0 |
| 12.5° | 441.7 | 496.3 | 642.4 | 688.1 | 832.4 | 1027.8 | 1110.4 | 1186.1 | 1316.4 | 1385.0 | 1395.6 |
| 15° | 399.5 | 473.4 | 670.5 | 737.4 | 923.9 | 1150.9 | 1242.5 | 1335.7 | 1457.1 | 1506.4 | 1518.7 |
| 17.5° | 362.6 | 455.8 | 696.9 | 767.3 | 994.3 | 1261.8 | 1355.1 | 1432.5 | 1531.1 | 1564.5 | 1573.3 |
| 20° | 316.7 | 427.7 | 714.5 | 806.0 | 1068.3 | 1342.7 | 1432.5 | 1492.4 | 1559.2 | 1580.4 | 1583.8 |
| 22.5° | 283.4 | 397.7 | 725.1 | 820.1 | 1117.5 | 1392.0 | 1467.7 | 1515.2 | 1561.0 | 1568.0 | 1569.8 |
| 25° | 255.2 | 364.3 | 723.3 | 836.0 | 1159.7 | 1422.0 | 1480.0 | 1515.2 | 1541.7 | 1545.1 | 1545.1 |
| 27.5° | 228.7 | 327.3 | 716.3 | 839.4 | 1191.4 | 1429.0 | 1474.7 | 1499.4 | 1511.7 | 1518.7 | 1518.7 |
| 30° | 205.9 | 292.2 | 698.7 | 832.4 | 1205.5 | 1422.0 | 1458.9 | 1471.2 | 1483.6 | 1494.1 | 1499.4 |
| 32.5° | 188.3 | 258.7 | 672.2 | 818.3 | 1207.2 | 1404.4 | 1430.7 | 1437.8 | 1455.3 | 1480.0 | 1488.8 |
| 35° | 172.4 | 225.3 | 642.4 | 798.9 | 1196.7 | 1376.2 | 1393.8 | 1400.8 | 1436.0 | 1473.0 | 1485.3 |
| 37.5° | 156.6 | 200.6 | 603.7 | 765.5 | 1180.9 | 1342.7 | 1355.1 | 1367.4 | 1422.0 | 1465.9 | 1480.0 |
| 40° | 140.7 | 179.5 | 557.8 | 728.6 | 1156.2 | 1302.3 | 1312.8 | 1332.2 | 1404.4 | 1455.3 | 1469.5 |
| 42.5° | 128.5 | 161.9 | 508.6 | 689.9 | 1124.6 | 1256.5 | 1272.3 | 1300.5 | 1383.2 | 1437.8 | 1453.7 |
| 45° | 117.9 | 144.3 | 455.8 | 637.1 | 1084.1 | 1209.0 | 1231.9 | 1270.6 | 1358.6 | 1411.4 | 1425.5 |
| 47.5° | 107.4 | 132.0 | 401.3 | 582.5 | 1040.0 | 1161.5 | 1191.4 | 1235.4 | 1325.2 | 1376.2 | 1388.5 |
| 50° | 98.6 | 119.7 | 346.7 | 524.5 | 992.5 | 1110.4 | 1145.7 | 1191.4 | 1282.9 | 1330.4 | 1346.3 |
| 52.5° | 91.6 | 109.1 | 295.6 | 466.4 | 938.0 | 1057.7 | 1098.1 | 1145.7 | 1231.9 | 1277.7 | 1288.2 |
| 55° | 84.4 | 100.3 | 251.7 | 404.8 | 881.7 | 1001.3 | 1045.4 | 1091.1 | 1175.5 | 1214.3 | 1221.4 |
| 57.5° | 81.0 | 93.2 | 214.7 | 346.7 | 821.8 | 938.0 | 987.3 | 1029.5 | 1108.7 | 1138.6 | 1145.7 |
| 60° | 75.7 | 88.0 | 186.6 | 297.4 | 756.8 | 878.1 | 920.4 | 962.6 | 1029.5 | 1054.1 | 1059.4 |
| 62.5° | 70.4 | 84.4 | 165.4 | 249.9 | 689.9 | 807.7 | 850.0 | 888.7 | 945.0 | 962.6 | 969.7 |
| 65° | 66.9 | 81.0 | 149.6 | 214.7 | 621.2 | 733.8 | 776.1 | 809.5 | 855.3 | 872.9 | 876.4 |
| 67.5° | 63.3 | 77.4 | 137.3 | 184.8 | 552.6 | 660.0 | 691.6 | 723.3 | 758.5 | 776.1 | 777.9 |
| 70° | 58.1 | 73.9 | 126.7 | 163.7 | 482.2 | 575.4 | 601.9 | 635.3 | 663.4 | 672.2 | 677.5 |
| 72.5° | 54.5 | 68.6 | 119.7 | 147.9 | 410.1 | 494.5 | 519.1 | 538.5 | 563.2 | 572.0 | 572.0 |
| 75° | 49.3 | 61.6 | 112.6 | 132.0 | 336.1 | 404.8 | 425.9 | 445.2 | 464.6 | 468.2 | 462.8 |
| 77.5° | 44.0 | 54.5 | 96.8 | 110.9 | 262.2 | 320.3 | 337.9 | 348.5 | 364.3 | 367.8 | 369.6 |
| 80° | 36.9 | 47.5 | 75.7 | 86.2 | 190.0 | 235.9 | 248.1 | 256.9 | 271.0 | 271.0 | 274.6 |
| 82.5° | 28.1 | 36.9 | 54.5 | 61.6 | 128.5 | 161.9 | 172.4 | 177.8 | 186.6 | 186.6 | 186.6 |
| 85° | 17.6 | 22.9 | 35.2 | 40.5 | 77.4 | 98.6 | 105.6 | 107.4 | 114.4 | 116.2 | 116.2 |
| 87.5° | 8.8 | 12.3 | 22.9 | 24.6 | 40.5 | 51.1 | 51.1 | 54.5 | 54.5 | 52.8 | 51.1 |
| 90° | 5.5 | 9.9 | 14.4 | 15.5 | 24.4 | 36.2 | 42.1 | 37.4 | 28.1 | 21.0 | 21.0 |
| 92.5° | 22.2 | 59.9 | 97.5 | 106.9 | 150.3 | 208.1 | 237.1 | 207.8 | 149.2 | 105.2 | 101.1 |
| 95° | 53.2 | 122.1 | 191.1 | 208.3 | 369.9 | 585.4 | 693.1 | 618.5 | 469.2 | 357.3 | 344.6 |
| 97.5° | 92.0 | 152.8 | 213.7 | 228.8 | 498.3 | 857.5 | 1037.2 | 990.0 | 895.7 | 825.0 | 800.8 |
| 100° | 121.9 | 177.1 | 232.2 | 246.0 | 545.0 | 943.6 | 1142.9 | 1146.4 | 1153.3 | 1158.5 | 1129.7 |
| 102.5° | 147.4 | 198.9 | 250.3 | 263.2 | 566.5 | 970.8 | 1172.9 | 1233.0 | 1353.1 | 1443.3 | 1418.7 |
| 105° | 190.6 | 234.2 | 277.8 | 288.7 | 582.4 | 973.9 | 1169.6 | 1304.3 | 1573.6 | 1775.6 | 1762.4 |
| 107.5° | 234.9 | 275.5 | 316.2 | 326.3 | 585.3 | 930.4 | 1103.1 | 1291.0 | 1666.7 | 1948.5 | 1951.7 |
| 110° | 264.8 | 301.5 | 338.2 | 347.4 | 580.8 | 892.1 | 1047.7 | 1257.7 | 1677.8 | 1992.8 | 2006.6 |



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CATALOG NUMBER: SQ4-FB-100U-100D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 112.5° | 294.2 | 329.2 | 364.2 | 372.9 | 581.0 | 858.5 | 997.2 | 1212.2 | 1642.2 | 1964.6 | 1985.7 |
| 115° | 338.5 | 370.7 | 403.0 | 411.1 | 586.3 | 820.0 | 936.8 | 1143.9 | 1558.2 | 1868.8 | 1898.2 |
| 117.5° | 382.3 | 411.6 | 440.9 | 448.2 | 597.2 | 795.9 | 895.3 | 1082.2 | 1456.0 | 1736.3 | 1768.9 |
| 120° | 407.8 | 435.4 | 462.9 | 469.8 | 606.1 | 787.8 | 878.7 | 1049.4 | 1391.0 | 1647.2 | 1678.8 |
| 122.5° | 432.7 | 460.5 | 488.4 | 495.3 | 618.8 | 783.6 | 866.0 | 1019.8 | 1327.3 | 1557.9 | 1589.2 |
| 125° | 470.9 | 496.3 | 521.7 | 528.0 | 636.1 | 780.1 | 852.1 | 982.7 | 1244.0 | 1440.0 | 1468.8 |
| 127.5° | 502.0 | 527.6 | 553.2 | 559.6 | 653.2 | 778.1 | 840.5 | 952.6 | 1177.0 | 1345.2 | 1369.5 |
| 130° | 518.6 | 546.2 | 573.7 | 580.7 | 665.8 | 779.3 | 836.1 | 935.9 | 1135.6 | 1285.4 | 1307.8 |
| 132.5° | 535.7 | 563.3 | 590.9 | 597.8 | 675.9 | 780.1 | 832.1 | 921.6 | 1100.3 | 1234.4 | 1254.5 |
| 135° | 561.2 | 586.3 | 611.5 | 617.8 | 687.0 | 779.3 | 825.5 | 900.3 | 1050.1 | 1162.4 | 1179.7 |
| 137.5° | 587.2 | 612.1 | 637.1 | 643.3 | 703.7 | 784.2 | 824.4 | 887.7 | 1014.3 | 1109.2 | 1123.3 |
| 140° | 608.9 | 631.8 | 654.7 | 660.4 | 713.8 | 784.9 | 820.5 | 875.2 | 984.5 | 1066.5 | 1079.7 |
| 142.5° | 625.5 | 646.7 | 667.9 | 673.2 | 722.3 | 787.7 | 820.5 | 868.6 | 964.5 | 1036.6 | 1047.9 |
| 145° | 651.0 | 669.5 | 687.9 | 692.6 | 733.4 | 787.8 | 815.0 | 854.3 | 932.8 | 991.7 | 1000.3 |
| 147.5° | 676.5 | 694.4 | 712.4 | 716.9 | 749.6 | 793.2 | 815.0 | 845.9 | 907.7 | 954.1 | 961.2 |
| 150° | 693.1 | 709.3 | 725.6 | 729.7 | 758.1 | 796.0 | 815.0 | 841.1 | 893.2 | 932.4 | 938.2 |
| 152.5° | 710.3 | 722.7 | 734.9 | 738.0 | 763.7 | 797.9 | 815.0 | 837.3 | 881.9 | 915.3 | 919.6 |
| 155° | 735.8 | 744.9 | 753.9 | 756.2 | 775.8 | 802.0 | 815.0 | 832.8 | 868.2 | 894.7 | 897.7 |
| 157.5° | 754.6 | 763.5 | 772.3 | 774.5 | 788.0 | 806.0 | 815.0 | 828.8 | 856.4 | 877.1 | 879.1 |
| 160° | 767.3 | 774.2 | 781.2 | 782.9 | 793.6 | 807.9 | 815.0 | 826.8 | 850.4 | 868.2 | 869.4 |
| 162.5° | 780.1 | 785.3 | 790.4 | 791.7 | 799.5 | 809.9 | 815.0 | 825.0 | 844.9 | 859.9 | 860.9 |
| 165° | 794.0 | 798.6 | 803.3 | 804.4 | 808.0 | 812.7 | 815.0 | 822.1 | 836.4 | 847.2 | 848.3 |
| 167.5° | 806.7 | 808.9 | 811.1 | 811.6 | 814.6 | 818.6 | 820.5 | 825.2 | 834.5 | 841.6 | 842.1 |
| 170° | 815.0 | 817.2 | 819.4 | 820.0 | 820.2 | 820.4 | 820.5 | 825.2 | 834.5 | 841.6 | 841.6 |
| 172.5° | 819.4 | 819.9 | 820.4 | 820.5 | 820.5 | 820.5 | 820.5 | 824.2 | 831.6 | 837.1 | 836.7 |
| 175° | 825.5 | 825.5 | 825.5 | 825.5 | 823.8 | 821.6 | 820.5 | 822.8 | 827.5 | 831.1 | 831.1 |
| 177.5° | 825.5 | 825.5 | 825.5 | 825.5 | 824.2 | 822.6 | 821.7 | 823.5 | 827.2 | 829.9 | 829.4 |
| 180° | 825.5 | 825.5 | 825.5 | 825.5 | 825.5 | 825.5 | 825.5 | 825.5 | 825.5 | 825.5 | 825.5 |



TEST NUMBER: P937675

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CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 547.3 | 547.3 |
| 2.5° | 584.3 | 580.8 |
| 5° | 751.4 | 755.0 |
| 7.5° | 1011.9 | 1010.2 |
| 10° | 1258.3 | 1274.1 |
| 12.5° | 1437.8 | 1441.3 |
| 15° | 1546.9 | 1553.9 |
| 17.5° | 1589.2 | 1590.9 |
| 20° | 1590.9 | 1587.4 |
| 22.5° | 1571.5 | 1568.0 |
| 25° | 1548.7 | 1546.9 |
| 27.5° | 1527.5 | 1529.3 |
| 30° | 1518.7 | 1524.0 |
| 32.5° | 1518.7 | 1527.5 |
| 35° | 1522.3 | 1531.1 |
| 37.5° | 1520.5 | 1531.1 |
| 40° | 1513.4 | 1525.8 |
| 42.5° | 1494.1 | 1502.9 |
| 45° | 1464.2 | 1474.7 |
| 47.5° | 1425.5 | 1432.5 |
| 50° | 1376.2 | 1383.2 |
| 52.5° | 1314.6 | 1316.4 |
| 55° | 1240.7 | 1247.7 |
| 57.5° | 1161.5 | 1163.3 |
| 60° | 1073.5 | 1078.7 |
| 62.5° | 980.3 | 980.3 |
| 65° | 881.7 | 885.2 |
| 67.5° | 779.6 | 788.4 |
| 70° | 675.8 | 677.5 |
| 72.5° | 573.7 | 573.7 |
| 75° | 468.2 | 469.8 |
| 77.5° | 367.8 | 367.8 |
| 80° | 272.8 | 274.6 |
| 82.5° | 188.3 | 191.8 |
| 85° | 117.9 | 117.9 |
| 87.5° | 54.5 | 49.3 |
| 90° | 21.0 | 21.0 |
| 92.5° | 84.3 | 67.6 |
| 95° | 293.9 | 243.2 |
| 97.5° | 704.3 | 607.7 |
| 100° | 1014.7 | 899.7 |
| 102.5° | 1320.1 | 1221.6 |
| 105° | 1709.5 | 1656.6 |
| 107.5° | 1964.6 | 1977.4 |
| 110° | 2061.8 | 2117.0 |



TEST NUMBER: P937675

CATALOG NUMBER: SQ4-FB-100U-100D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 2070.5 | 2155.2 |
| 115° | 2015.6 | 2133.1 |
| 117.5° | 1899.2 | 2029.4 |
| 120° | 1805.4 | 1931.9 |
| 122.5° | 1714.0 | 1838.9 |
| 125° | 1583.7 | 1698.7 |
| 127.5° | 1466.5 | 1563.5 |
| 130° | 1397.4 | 1487.0 |
| 132.5° | 1334.8 | 1415.0 |
| 135° | 1248.9 | 1318.1 |
| 137.5° | 1180.0 | 1236.6 |
| 140° | 1132.7 | 1185.7 |
| 142.5° | 1093.6 | 1139.1 |
| 145° | 1034.9 | 1069.3 |
| 147.5° | 989.8 | 1018.4 |
| 150° | 961.3 | 984.5 |
| 152.5° | 937.1 | 954.6 |
| 155° | 909.2 | 920.8 |
| 157.5° | 887.2 | 895.3 |
| 160° | 874.1 | 878.7 |
| 162.5° | 865.4 | 869.8 |
| 165° | 853.0 | 857.6 |
| 167.5° | 844.0 | 846.0 |
| 170° | 841.6 | 841.6 |
| 172.5° | 835.0 | 833.3 |
| 175° | 831.1 | 831.1 |
| 177.5° | 827.4 | 825.5 |
| 180° | 825.5 | 825.5 |



TEST NUMBER: P937675
 CATALOG NUMBER: SQ4-FB-100U-100D-940-1D-UNV-STD-W-6

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 | 4.68 | 5.53 | 5.68 | 6.54 | 7.89 | 17.85 | 18.69 | 18.85 | 19.71 | 21.06 |
| | 3H | 5.39 | 6.14 | 6.39 | 7.17 | 8.54 | 19.68 | 20.44 | 20.69 | 21.46 | 22.83 |
| | 4H | 5.68 | 6.40 | 6.71 | 7.43 | 8.81 | 20.32 | 21.04 | 21.34 | 22.07 | 23.44 |
| | 6H | 5.93 | 6.60 | 6.97 | 7.63 | 9.02 | 20.75 | 21.41 | 21.78 | 22.44 | 23.83 |
| | 8H | 6.00 | 6.63 | 7.04 | 7.68 | 9.07 | 20.87 | 21.50 | 21.90 | 22.54 | 23.93 |
| | 12H | 6.02 | 6.62 | 7.06 | 7.66 | 9.07 | 20.93 | 21.53 | 21.97 | 22.57 | 23.98 |
| 4H | 2H | 11.89 | 12.61 | 12.92 | 13.63 | 15.01 | 18.12 | 18.84 | 19.15 | 19.87 | 21.24 |
| | 3H | 13.45 | 14.06 | 14.49 | 15.11 | 16.50 | 20.16 | 20.76 | 21.20 | 21.82 | 23.21 |
| | 4H | 13.55 | 14.10 | 14.59 | 15.15 | 16.56 | 20.92 | 21.47 | 21.97 | 22.52 | 23.93 |
| | 6H | 13.56 | 14.03 | 14.61 | 15.10 | 16.51 | 21.46 | 21.93 | 22.51 | 23.00 | 24.41 |
| | 8H | 13.54 | 13.98 | 14.59 | 15.04 | 16.47 | 21.62 | 22.06 | 22.67 | 23.12 | 24.55 |
| | 12H | 13.49 | 13.89 | 14.56 | 14.97 | 16.40 | 21.71 | 22.11 | 22.78 | 23.18 | 24.61 |
| 8H | 4H | 14.99 | 15.43 | 16.04 | 16.50 | 17.92 | 20.98 | 21.43 | 22.04 | 22.49 | 23.91 |
| | 6H | 15.23 | 15.60 | 16.31 | 16.70 | 18.12 | 21.61 | 21.97 | 22.68 | 23.08 | 24.50 |
| | 8H | 15.25 | 15.57 | 16.33 | 16.66 | 18.10 | 21.82 | 22.15 | 22.91 | 23.23 | 24.67 |
| | 12H | 15.22 | 15.50 | 16.31 | 16.58 | 18.06 | 21.96 | 22.25 | 23.05 | 23.33 | 24.81 |
| 12H | 4H | 15.13 | 15.53 | 16.20 | 16.61 | 18.04 | 20.93 | 21.34 | 22.01 | 22.41 | 23.84 |
| | 6H | 15.49 | 15.81 | 16.57 | 16.90 | 18.34 | 21.59 | 21.91 | 22.67 | 23.00 | 24.44 |
| | 8H | 15.56 | 15.84 | 16.65 | 16.92 | 18.40 | 21.82 | 22.10 | 22.91 | 23.18 | 24.66 |