

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: P937662

Luminaire Tested: SQ4-FB-100U-100D-93050-1D-UNV-STD-W-6-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P937662
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-93050-1D-UNV-STD-W-6-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

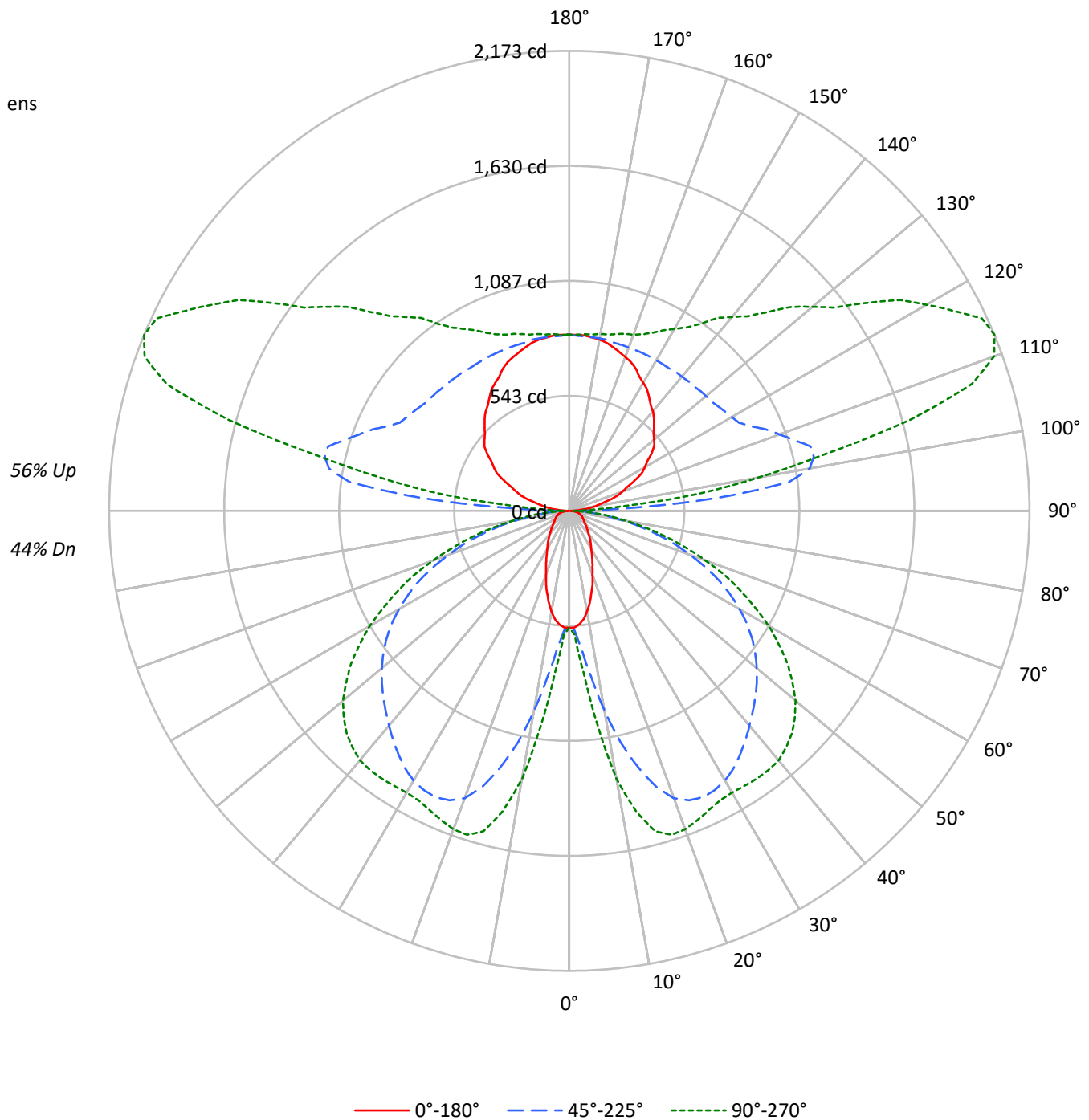
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9667.6 lumens
Efficiency: N/A
Efficacy: 111.1 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: P937662
CATALOG NUMBER: SQ4-FB-100U-100D-93050-1D-UNV-STD-W-6-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P937662

CATALOG NUMBER: SQ4-FB-100U-100D-93050-1D-UNV-STD-W-6-3500K

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 3414 | 3414 | 3414 |
| 5° | 3334 | 3944 | 4588 |
| 10° | 3023 | 5749 | 7607 |
| 15° | 2568 | 7508 | 9185 |
| 20° | 2090 | 8699 | 9361 |
| 25° | 1743 | 9101 | 9171 |
| 30° | 1469 | 9156 | 9153 |
| 35° | 1298 | 9002 | 9391 |
| 40° | 1130 | 8801 | 9635 |
| 45° | 1023 | 8654 | 9672 |
| 50° | 938 | 8521 | 9512 |
| 55° | 896 | 8328 | 9091 |
| 60° | 918 | 7958 | 8425 |
| 65° | 953 | 7398 | 7510 |
| 70° | 1013 | 6447 | 6344 |
| 75° | 1118 | 5253 | 4951 |
| 80° | 1211 | 3639 | 3336 |
| 85° | 1055 | 1928 | 1708 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 9672 cd/sqm



TEST NUMBER: P937662

CATALOG NUMBER: SQ4-FB-100U-100D-93050-1D-UNV-STD-W-6-3500K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 71.4 | 0.7 |
| 10°-20° | 316.4 | 3.3 |
| 20°-30° | 553.4 | 5.7 |
| 30°-40° | 712.3 | 7.4 |
| 40°-50° | 795.7 | 8.2 |
| 50°-60° | 762.1 | 7.9 |
| 60°-70° | 603.9 | 6.2 |
| 70°-80° | 355.1 | 3.7 |
| 80°-90° | 101.8 | 1.1 |
| 90°-100° | 405.7 | 4.2 |
| 100°-110° | 1066.6 | 11.0 |
| 110°-120° | 1106.0 | 11.4 |
| 120°-130° | 887.1 | 9.2 |
| 130°-140° | 696.1 | 7.2 |
| 140°-150° | 534.3 | 5.5 |
| 150°-160° | 384.8 | 4.0 |
| 160°-170° | 235.4 | 2.4 |
| 170°-180° | 79.5 | 0.8 |
| 0°-30° | 941.1 | 9.7 |
| 0°-40° | 1653.4 | 17.1 |
| 0°-60° | 3211.1 | 33.2 |
| 0°-90° | 4272.0 | 44.2 |
| 90°-120° | 2578.3 | 26.7 |
| 90°-150° | 4695.8 | 48.6 |
| 90°-180° | 5396.0 | 55.8 |
| 0°-180° | 9667.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|------|-------|------|------|
| 0° | 552 | 552 | 552 | 552 | 552 | |
| 5° | 538 | 577 | 649 | 735 | 761 | 50 |
| 15° | 403 | 744 | 1253 | 1519 | 1567 | 112 |
| 25° | 257 | 843 | 1492 | 1558 | 1560 | 119 |
| 35° | 174 | 806 | 1405 | 1485 | 1544 | 109 |
| 45° | 119 | 642 | 1242 | 1423 | 1487 | 92 |
| 55° | 85 | 408 | 1054 | 1224 | 1258 | 78 |
| 65° | 67 | 216 | 782 | 880 | 892 | 67 |
| 75° | 50 | 133 | 429 | 472 | 474 | 52 |
| 85° | 18 | 41 | 106 | 117 | 119 | 19 |
| 90° | 6 | 16 | 42 | 21 | 21 | 6 |
| 95° | 54 | 210 | 699 | 360 | 245 | 60 |
| 105° | 192 | 291 | 1179 | 1790 | 1670 | 204 |
| 115° | 341 | 414 | 945 | 1884 | 2151 | 337 |
| 125° | 475 | 532 | 859 | 1452 | 1713 | 422 |
| 135° | 566 | 623 | 832 | 1172 | 1329 | 438 |
| 145° | 656 | 698 | 822 | 1000 | 1078 | 411 |
| 155° | 742 | 762 | 822 | 902 | 928 | 341 |
| 165° | 800 | 811 | 822 | 854 | 865 | 226 |
| 175° | 832 | 832 | 827 | 838 | 838 | 79 |
| 180° | 832 | 832 | 832 | 832 | 832 | |



TEST NUMBER: P937662

CATALOG NUMBER: SQ4-FB-100U-100D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 551.8 | 551.8 | 551.8 | 551.8 | 551.8 | 551.8 | 551.8 | 551.8 | 551.8 | 551.8 | 551.8 |
| 2.5° | 551.8 | 551.8 | 555.4 | 557.2 | 560.6 | 562.4 | 566.0 | 569.6 | 580.2 | 582.0 | 585.5 |
| 5° | 537.6 | 544.7 | 567.8 | 576.7 | 601.5 | 635.2 | 649.4 | 672.5 | 720.4 | 734.6 | 743.5 |
| 7.5° | 516.3 | 532.3 | 589.1 | 603.3 | 665.4 | 754.1 | 791.4 | 841.1 | 917.3 | 954.6 | 984.8 |
| 10° | 482.6 | 516.3 | 617.5 | 651.2 | 752.3 | 887.2 | 956.4 | 1025.6 | 1140.9 | 1192.4 | 1211.9 |
| 12.5° | 445.3 | 500.4 | 647.7 | 693.8 | 839.3 | 1036.2 | 1119.6 | 1195.9 | 1327.2 | 1396.4 | 1407.1 |
| 15° | 402.8 | 477.3 | 676.1 | 743.5 | 931.5 | 1160.4 | 1252.7 | 1346.7 | 1469.1 | 1518.8 | 1531.3 |
| 17.5° | 365.6 | 459.6 | 702.6 | 773.6 | 1002.5 | 1272.2 | 1366.2 | 1444.3 | 1543.7 | 1577.4 | 1586.2 |
| 20° | 319.4 | 431.2 | 720.4 | 812.7 | 1077.1 | 1353.8 | 1444.3 | 1504.7 | 1572.1 | 1593.4 | 1596.9 |
| 22.5° | 285.7 | 401.0 | 731.0 | 826.8 | 1126.7 | 1403.5 | 1479.8 | 1527.7 | 1573.9 | 1580.9 | 1582.7 |
| 25° | 257.3 | 367.3 | 729.2 | 842.8 | 1169.3 | 1433.7 | 1492.2 | 1527.7 | 1554.4 | 1557.8 | 1557.8 |
| 27.5° | 230.6 | 330.0 | 722.2 | 846.3 | 1201.2 | 1440.7 | 1486.8 | 1511.7 | 1524.2 | 1531.3 | 1531.3 |
| 30° | 207.6 | 294.6 | 704.4 | 839.3 | 1215.4 | 1433.7 | 1470.9 | 1483.4 | 1495.8 | 1506.4 | 1511.7 |
| 32.5° | 189.9 | 260.8 | 677.8 | 825.0 | 1217.2 | 1415.9 | 1442.5 | 1449.6 | 1467.3 | 1492.2 | 1501.1 |
| 35° | 173.9 | 227.1 | 647.7 | 805.5 | 1206.5 | 1387.6 | 1405.3 | 1412.4 | 1447.8 | 1485.1 | 1497.5 |
| 37.5° | 157.9 | 202.3 | 608.6 | 771.8 | 1190.6 | 1353.8 | 1366.2 | 1378.7 | 1433.7 | 1478.0 | 1492.2 |
| 40° | 141.9 | 180.9 | 562.4 | 734.6 | 1165.7 | 1313.0 | 1323.6 | 1343.1 | 1415.9 | 1467.3 | 1481.6 |
| 42.5° | 129.6 | 163.2 | 512.7 | 695.6 | 1133.8 | 1266.9 | 1282.8 | 1311.2 | 1394.6 | 1449.6 | 1465.6 |
| 45° | 118.9 | 145.5 | 459.6 | 642.3 | 1093.0 | 1219.0 | 1242.1 | 1281.1 | 1369.7 | 1423.0 | 1437.2 |
| 47.5° | 108.2 | 133.0 | 404.6 | 587.3 | 1048.6 | 1171.1 | 1201.2 | 1245.6 | 1336.1 | 1387.6 | 1399.9 |
| 50° | 99.4 | 120.7 | 349.5 | 528.8 | 1000.7 | 1119.6 | 1155.1 | 1201.2 | 1293.5 | 1341.4 | 1357.4 |
| 52.5° | 92.3 | 110.0 | 298.0 | 470.2 | 945.7 | 1066.4 | 1107.1 | 1155.1 | 1242.1 | 1288.2 | 1298.8 |
| 55° | 85.1 | 101.2 | 253.7 | 408.1 | 889.0 | 1009.6 | 1054.0 | 1100.1 | 1185.2 | 1224.2 | 1231.4 |
| 57.5° | 81.7 | 94.0 | 216.5 | 349.5 | 828.6 | 945.7 | 995.4 | 1038.0 | 1117.8 | 1148.0 | 1155.1 |
| 60° | 76.3 | 88.7 | 188.1 | 299.8 | 763.0 | 885.4 | 928.0 | 970.5 | 1038.0 | 1062.8 | 1068.1 |
| 62.5° | 71.0 | 85.1 | 166.8 | 251.9 | 695.6 | 814.4 | 857.0 | 896.0 | 952.8 | 970.5 | 977.7 |
| 65° | 67.4 | 81.7 | 150.9 | 216.5 | 626.4 | 739.9 | 782.5 | 816.2 | 862.4 | 880.1 | 883.6 |
| 67.5° | 63.8 | 78.1 | 138.4 | 186.3 | 557.2 | 665.4 | 697.3 | 729.2 | 764.8 | 782.5 | 784.3 |
| 70° | 58.6 | 74.5 | 127.8 | 165.0 | 486.2 | 580.2 | 606.8 | 640.5 | 668.9 | 677.8 | 683.1 |
| 72.5° | 55.0 | 69.2 | 120.7 | 149.1 | 413.5 | 498.6 | 523.4 | 542.9 | 567.8 | 576.7 | 576.7 |
| 75° | 49.7 | 62.1 | 113.5 | 133.0 | 338.9 | 408.1 | 429.4 | 448.9 | 468.4 | 472.0 | 466.6 |
| 77.5° | 44.3 | 55.0 | 97.6 | 111.8 | 264.4 | 322.9 | 340.7 | 351.3 | 367.3 | 370.8 | 372.6 |
| 80° | 37.2 | 47.9 | 76.3 | 86.9 | 191.6 | 237.8 | 250.2 | 259.0 | 273.2 | 273.2 | 276.8 |
| 82.5° | 28.4 | 37.2 | 55.0 | 62.1 | 129.6 | 163.2 | 173.9 | 179.2 | 188.1 | 188.1 | 188.1 |
| 85° | 17.7 | 23.1 | 35.5 | 40.8 | 78.1 | 99.4 | 106.5 | 108.2 | 115.3 | 117.1 | 117.1 |
| 87.5° | 8.9 | 12.4 | 23.1 | 24.8 | 40.8 | 51.5 | 51.5 | 55.0 | 55.0 | 53.3 | 51.5 |
| 90° | 5.6 | 10.0 | 14.5 | 15.7 | 24.6 | 36.5 | 42.4 | 37.7 | 28.3 | 21.2 | 21.2 |
| 92.5° | 22.4 | 60.3 | 98.3 | 107.8 | 151.6 | 209.9 | 239.0 | 209.5 | 150.4 | 106.1 | 101.9 |
| 95° | 53.6 | 123.1 | 192.7 | 210.0 | 373.0 | 590.2 | 698.8 | 623.6 | 473.1 | 360.3 | 347.5 |
| 97.5° | 92.8 | 154.1 | 215.4 | 230.7 | 502.4 | 864.6 | 1045.7 | 998.2 | 903.1 | 831.7 | 807.4 |
| 100° | 122.9 | 178.5 | 234.1 | 248.0 | 549.5 | 951.4 | 1152.4 | 1155.8 | 1162.8 | 1168.0 | 1139.0 |
| 102.5° | 148.6 | 200.5 | 252.4 | 265.4 | 571.1 | 978.8 | 1182.5 | 1243.1 | 1364.3 | 1455.2 | 1430.4 |
| 105° | 192.1 | 236.1 | 280.1 | 291.1 | 587.1 | 981.9 | 1179.2 | 1315.0 | 1586.6 | 1790.3 | 1776.9 |
| 107.5° | 236.8 | 277.8 | 318.8 | 329.0 | 590.1 | 938.1 | 1112.2 | 1301.6 | 1680.4 | 1964.6 | 1967.8 |
| 110° | 267.0 | 304.0 | 341.0 | 350.2 | 585.6 | 899.4 | 1056.3 | 1268.0 | 1691.6 | 2009.3 | 2023.1 |



TEST NUMBER: P937662

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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 112.5° | 296.6 | 331.9 | 367.2 | 375.9 | 585.8 | 865.6 | 1005.4 | 1222.2 | 1655.7 | 1980.8 | 2002.1 |
| 115° | 341.3 | 373.8 | 406.3 | 414.4 | 591.2 | 826.7 | 944.6 | 1153.3 | 1571.0 | 1884.2 | 1913.8 |
| 117.5° | 385.4 | 415.0 | 444.5 | 451.9 | 602.1 | 802.5 | 902.7 | 1091.1 | 1468.0 | 1750.6 | 1783.5 |
| 120° | 411.1 | 439.0 | 466.7 | 473.7 | 611.1 | 794.3 | 885.9 | 1058.1 | 1402.4 | 1660.7 | 1692.6 |
| 122.5° | 436.3 | 464.3 | 492.4 | 499.4 | 623.9 | 790.0 | 873.1 | 1028.2 | 1338.2 | 1570.7 | 1602.3 |
| 125° | 474.8 | 500.4 | 526.0 | 532.4 | 641.3 | 786.5 | 859.1 | 990.8 | 1254.2 | 1451.8 | 1480.8 |
| 127.5° | 506.1 | 531.9 | 557.8 | 564.2 | 658.6 | 784.5 | 847.4 | 960.5 | 1186.6 | 1356.3 | 1380.8 |
| 130° | 522.9 | 550.7 | 578.5 | 585.4 | 671.3 | 785.7 | 842.9 | 943.6 | 1144.9 | 1296.0 | 1318.5 |
| 132.5° | 540.1 | 568.0 | 595.7 | 602.7 | 681.5 | 786.5 | 839.0 | 929.2 | 1109.4 | 1244.6 | 1264.8 |
| 135° | 565.8 | 591.2 | 616.5 | 622.9 | 692.7 | 785.7 | 832.3 | 907.8 | 1058.7 | 1172.0 | 1189.4 |
| 137.5° | 592.1 | 617.1 | 642.3 | 648.6 | 709.4 | 790.7 | 831.2 | 895.0 | 1022.6 | 1118.3 | 1132.6 |
| 140° | 613.9 | 637.0 | 660.1 | 665.8 | 719.7 | 791.4 | 827.3 | 882.4 | 992.6 | 1075.3 | 1088.6 |
| 142.5° | 630.7 | 652.1 | 673.4 | 678.7 | 728.2 | 794.2 | 827.3 | 875.7 | 972.5 | 1045.1 | 1056.6 |
| 145° | 656.4 | 675.0 | 693.6 | 698.3 | 739.4 | 794.3 | 821.7 | 861.3 | 940.5 | 999.9 | 1008.6 |
| 147.5° | 682.0 | 700.1 | 718.2 | 722.8 | 755.7 | 799.7 | 821.7 | 852.9 | 915.2 | 961.9 | 969.1 |
| 150° | 698.8 | 715.2 | 731.6 | 735.7 | 764.3 | 802.6 | 821.7 | 848.0 | 900.6 | 940.1 | 945.9 |
| 152.5° | 716.2 | 728.6 | 741.0 | 744.1 | 770.0 | 804.4 | 821.7 | 844.2 | 889.1 | 922.8 | 927.2 |
| 155° | 741.9 | 751.0 | 760.1 | 762.4 | 782.2 | 808.6 | 821.7 | 839.6 | 875.3 | 902.1 | 905.1 |
| 157.5° | 760.8 | 769.8 | 778.7 | 780.9 | 794.5 | 812.7 | 821.7 | 835.6 | 863.4 | 884.3 | 886.4 |
| 160° | 773.6 | 780.6 | 787.6 | 789.3 | 800.1 | 814.6 | 821.7 | 833.6 | 857.4 | 875.3 | 876.5 |
| 162.5° | 786.5 | 791.7 | 796.9 | 798.3 | 806.0 | 816.5 | 821.7 | 831.7 | 851.9 | 866.9 | 868.0 |
| 165° | 800.5 | 805.2 | 809.9 | 811.1 | 814.6 | 819.4 | 821.7 | 828.9 | 843.3 | 854.1 | 855.3 |
| 167.5° | 813.3 | 815.5 | 817.8 | 818.3 | 821.3 | 825.3 | 827.3 | 832.0 | 841.4 | 848.5 | 849.0 |
| 170° | 821.7 | 824.0 | 826.2 | 826.7 | 826.9 | 827.2 | 827.3 | 832.0 | 841.4 | 848.5 | 848.5 |
| 172.5° | 826.2 | 826.6 | 827.2 | 827.3 | 827.3 | 827.3 | 827.3 | 831.0 | 838.5 | 844.0 | 843.6 |
| 175° | 832.3 | 832.3 | 832.3 | 832.3 | 830.6 | 828.3 | 827.3 | 829.6 | 834.3 | 837.9 | 837.9 |
| 177.5° | 832.3 | 832.3 | 832.3 | 832.3 | 831.0 | 829.3 | 828.4 | 830.3 | 834.0 | 836.8 | 836.2 |
| 180° | 832.3 | 832.3 | 832.3 | 832.3 | 832.3 | 832.3 | 832.3 | 832.3 | 832.3 | 832.3 | 832.3 |



TEST NUMBER: P937662

CATALOG NUMBER: SQ4-FB-100U-100D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 551.8 | 551.8 |
| 2.5° | 589.1 | 585.5 |
| 5° | 757.6 | 761.2 |
| 7.5° | 1020.2 | 1018.5 |
| 10° | 1268.7 | 1284.6 |
| 12.5° | 1449.6 | 1453.2 |
| 15° | 1559.6 | 1566.7 |
| 17.5° | 1602.3 | 1604.0 |
| 20° | 1604.0 | 1600.5 |
| 22.5° | 1584.4 | 1580.9 |
| 25° | 1561.4 | 1559.6 |
| 27.5° | 1540.1 | 1541.9 |
| 30° | 1531.3 | 1536.5 |
| 32.5° | 1531.3 | 1540.1 |
| 35° | 1534.8 | 1543.7 |
| 37.5° | 1533.0 | 1543.7 |
| 40° | 1525.9 | 1538.3 |
| 42.5° | 1506.4 | 1515.3 |
| 45° | 1476.3 | 1486.8 |
| 47.5° | 1437.2 | 1444.3 |
| 50° | 1387.6 | 1394.6 |
| 52.5° | 1325.4 | 1327.2 |
| 55° | 1250.9 | 1258.0 |
| 57.5° | 1171.1 | 1172.9 |
| 60° | 1082.3 | 1087.6 |
| 62.5° | 988.3 | 988.3 |
| 65° | 889.0 | 892.4 |
| 67.5° | 786.0 | 794.9 |
| 70° | 681.3 | 683.1 |
| 72.5° | 578.5 | 578.5 |
| 75° | 472.0 | 473.7 |
| 77.5° | 370.8 | 370.8 |
| 80° | 275.0 | 276.8 |
| 82.5° | 189.9 | 193.4 |
| 85° | 118.9 | 118.9 |
| 87.5° | 55.0 | 49.7 |
| 90° | 21.2 | 21.2 |
| 92.5° | 85.0 | 68.1 |
| 95° | 296.3 | 245.2 |
| 97.5° | 710.1 | 612.8 |
| 100° | 1023.1 | 907.1 |
| 102.5° | 1331.0 | 1231.7 |
| 105° | 1723.6 | 1670.2 |
| 107.5° | 1980.8 | 1993.7 |
| 110° | 2078.8 | 2134.4 |



TEST NUMBER: P937662

CATALOG NUMBER: SQ4-FB-100U-100D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 2087.5 | 2172.9 |
| 115° | 2032.2 | 2150.6 |
| 117.5° | 1914.8 | 2046.1 |
| 120° | 1820.3 | 1947.8 |
| 122.5° | 1728.1 | 1854.0 |
| 125° | 1596.7 | 1712.6 |
| 127.5° | 1478.6 | 1576.4 |
| 130° | 1409.0 | 1499.3 |
| 132.5° | 1345.7 | 1426.7 |
| 135° | 1259.2 | 1328.9 |
| 137.5° | 1189.7 | 1246.8 |
| 140° | 1142.1 | 1195.4 |
| 142.5° | 1102.6 | 1148.5 |
| 145° | 1043.4 | 1078.1 |
| 147.5° | 997.9 | 1026.7 |
| 150° | 969.3 | 992.6 |
| 152.5° | 944.8 | 962.5 |
| 155° | 916.7 | 928.3 |
| 157.5° | 894.5 | 902.7 |
| 160° | 881.3 | 885.9 |
| 162.5° | 872.5 | 877.0 |
| 165° | 860.0 | 864.7 |
| 167.5° | 851.0 | 853.0 |
| 170° | 848.5 | 848.5 |
| 172.5° | 841.9 | 840.2 |
| 175° | 837.9 | 837.9 |
| 177.5° | 834.3 | 832.3 |
| 180° | 832.3 | 832.3 |



TEST NUMBER: P937662

CATALOG NUMBER: SQ4-FB-100U-100D-93050-1D-UNV-STD-W-6-3500K

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 | 4.71 | 5.56 | 5.71 | 6.57 | 7.92 | 17.88 | 18.72 | 18.87 | 19.73 | 21.08 |
| | 3H | 5.42 | 6.17 | 6.42 | 7.20 | 8.57 | 19.71 | 20.47 | 20.72 | 21.49 | 22.86 |
| | 4H | 5.71 | 6.43 | 6.74 | 7.46 | 8.84 | 20.35 | 21.07 | 21.37 | 22.10 | 23.47 |
| | 6H | 5.96 | 6.63 | 6.99 | 7.66 | 9.05 | 20.78 | 21.44 | 21.81 | 22.47 | 23.86 |
| | 8H | 6.03 | 6.66 | 7.07 | 7.71 | 9.10 | 20.89 | 21.53 | 21.93 | 22.57 | 23.96 |
| | 12H | 6.05 | 6.65 | 7.09 | 7.69 | 9.10 | 20.96 | 21.56 | 22.00 | 22.60 | 24.01 |
| 4H | 2H | 11.92 | 12.64 | 12.94 | 13.66 | 15.04 | 18.15 | 18.87 | 19.18 | 19.89 | 21.27 |
| | 3H | 13.48 | 14.09 | 14.52 | 15.14 | 16.53 | 20.19 | 20.79 | 21.22 | 21.84 | 23.23 |
| | 4H | 13.58 | 14.13 | 14.62 | 15.18 | 16.59 | 20.95 | 21.50 | 21.99 | 22.55 | 23.96 |
| | 6H | 13.59 | 14.06 | 14.64 | 15.13 | 16.54 | 21.48 | 21.96 | 22.54 | 23.03 | 24.44 |
| | 8H | 13.56 | 14.01 | 14.62 | 15.07 | 16.49 | 21.64 | 22.09 | 22.70 | 23.15 | 24.57 |
| | 12H | 13.52 | 13.92 | 14.59 | 15.00 | 16.43 | 21.73 | 22.14 | 22.81 | 23.21 | 24.64 |
| 8H | 4H | 15.02 | 15.46 | 16.07 | 16.52 | 17.95 | 21.01 | 21.45 | 22.06 | 22.52 | 23.94 |
| | 6H | 15.26 | 15.63 | 16.34 | 16.73 | 18.15 | 21.63 | 22.00 | 22.71 | 23.11 | 24.53 |
| | 8H | 15.28 | 15.60 | 16.36 | 16.69 | 18.13 | 21.85 | 22.18 | 22.94 | 23.26 | 24.70 |
| | 12H | 15.24 | 15.53 | 16.33 | 16.61 | 18.09 | 21.99 | 22.28 | 23.08 | 23.36 | 24.84 |
| 12H | 4H | 15.16 | 15.56 | 16.23 | 16.64 | 18.07 | 20.96 | 21.36 | 22.04 | 22.44 | 23.87 |
| | 6H | 15.52 | 15.84 | 16.60 | 16.93 | 18.37 | 21.62 | 21.94 | 22.70 | 23.03 | 24.47 |
| | 8H | 15.58 | 15.87 | 16.67 | 16.95 | 18.43 | 21.84 | 22.13 | 22.93 | 23.21 | 24.69 |