

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: P937120

Luminaire Tested: SQ4-FB-075U-075D-840-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P937120
REPORT IS A COMBINATION OF REPORTS P933518 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-075U-075D-840-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

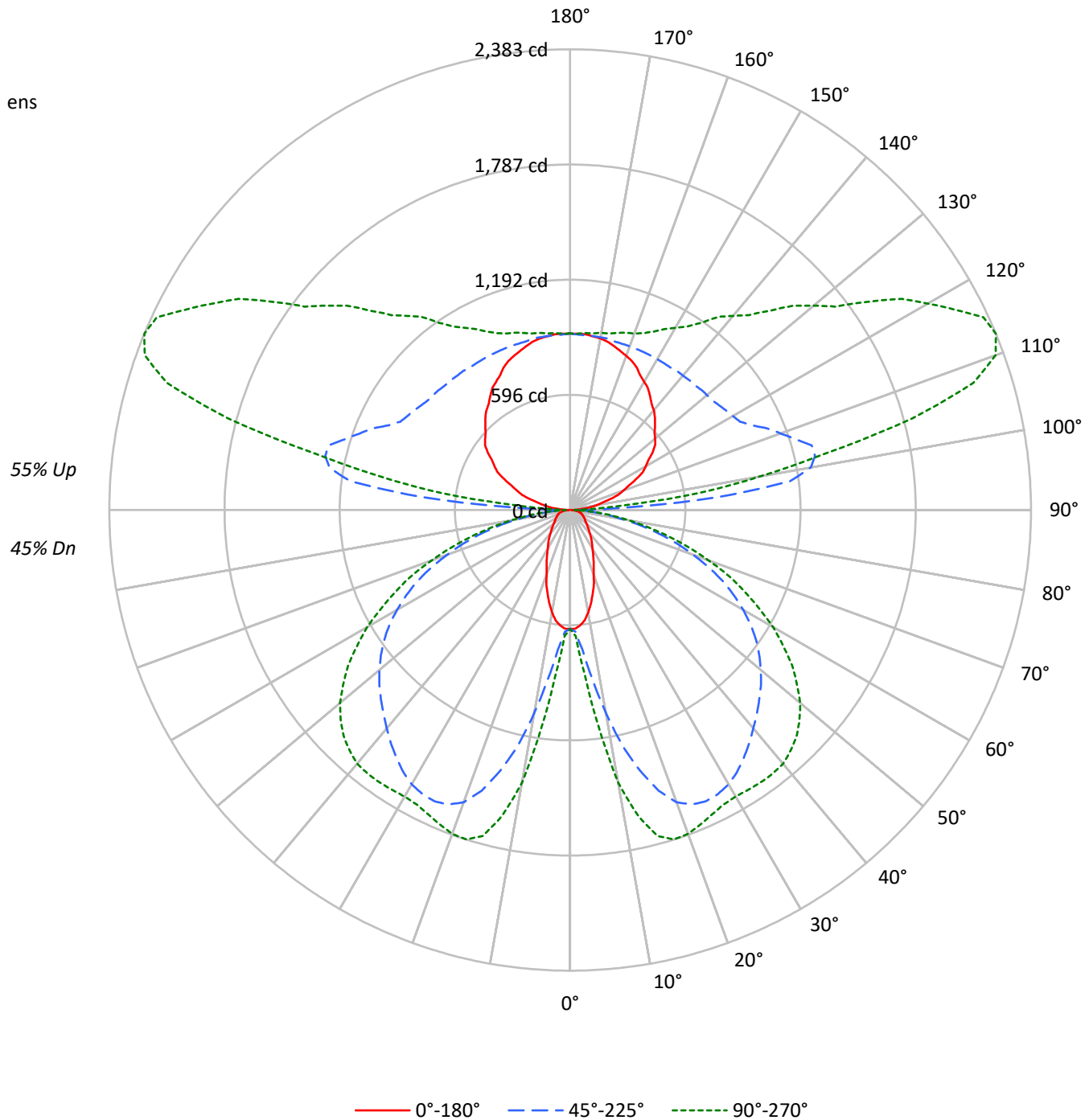
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10674.4 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 84.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P937120
CATALOG NUMBER: SQ4-FB-075U-075D-840-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P937120

CATALOG NUMBER: SQ4-FB-075U-075D-840-1D-UNV-STD-W-8

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 | 45 | 45 | 45 | 45 |
| 1 | 96 | 92 | 88 | 84 | 88 | 84 | 80 | 77 | 70 | 67 | 65 | 57 | 55 | 53 | 44 | 43 | 42 | 37 | 37 | 37 | 37 |
| 2 | 87 | 79 | 73 | 68 | 79 | 73 | 67 | 63 | 60 | 56 | 53 | 49 | 46 | 44 | 38 | 36 | 35 | 30 | 30 | 30 | 30 |
| 3 | 79 | 69 | 62 | 56 | 72 | 64 | 57 | 52 | 53 | 48 | 44 | 43 | 39 | 36 | 34 | 31 | 29 | 25 | 25 | 25 | 25 |
| 4 | 72 | 61 | 53 | 47 | 65 | 56 | 49 | 43 | 46 | 41 | 37 | 38 | 34 | 31 | 30 | 27 | 24 | 21 | 21 | 21 | 21 |
| 5 | 66 | 54 | 46 | 39 | 60 | 50 | 42 | 37 | 41 | 36 | 31 | 34 | 29 | 26 | 26 | 23 | 21 | 17 | 17 | 17 | 17 |
| 6 | 60 | 48 | 40 | 34 | 55 | 44 | 37 | 31 | 37 | 31 | 27 | 30 | 26 | 22 | 24 | 21 | 18 | 15 | 15 | 15 | 15 |
| 7 | 56 | 43 | 35 | 29 | 51 | 40 | 32 | 27 | 33 | 28 | 23 | 27 | 23 | 20 | 21 | 18 | 16 | 13 | 13 | 13 | 13 |
| 8 | 51 | 39 | 31 | 26 | 47 | 36 | 29 | 24 | 30 | 24 | 21 | 25 | 20 | 17 | 20 | 16 | 14 | 11 | 11 | 11 | 11 |
| 9 | 48 | 35 | 28 | 23 | 44 | 33 | 26 | 21 | 27 | 22 | 18 | 22 | 18 | 15 | 18 | 15 | 12 | 10 | 10 | 10 | 10 |
| 10 | 44 | 32 | 25 | 20 | 41 | 30 | 23 | 19 | 25 | 20 | 16 | 21 | 17 | 14 | 16 | 13 | 11 | 9 | 9 | 9 | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2851 | 2851 | 2851 |
| 5° | 2785 | 3295 | 3832 |
| 10° | 2527 | 4804 | 6354 |
| 15° | 2148 | 6277 | 7672 |
| 20° | 1748 | 7273 | 7819 |
| 25° | 1458 | 7611 | 7660 |
| 30° | 1230 | 7659 | 7646 |
| 35° | 1087 | 7532 | 7844 |
| 40° | 948 | 7367 | 8048 |
| 45° | 858 | 7246 | 8080 |
| 50° | 787 | 7137 | 7946 |
| 55° | 753 | 6977 | 7594 |
| 60° | 772 | 6670 | 7038 |
| 65° | 803 | 6205 | 6273 |
| 70° | 855 | 5411 | 5300 |
| 75° | 947 | 4412 | 4136 |
| 80° | 1035 | 3060 | 2787 |
| 85° | 922 | 1624 | 1426 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 8080 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 79.5 | 0.7 |
| 10°-20° | 352.3 | 3.3 |
| 20°-30° | 616.3 | 5.8 |
| 30°-40° | 793.3 | 7.4 |
| 40°-50° | 886.1 | 8.3 |
| 50°-60° | 848.7 | 8.0 |
| 60°-70° | 672.6 | 6.3 |
| 70°-80° | 395.5 | 3.7 |
| 80°-90° | 113.4 | 1.1 |
| 90°-100° | 444.9 | 4.2 |
| 100°-110° | 1169.6 | 11.0 |
| 110°-120° | 1212.8 | 11.4 |
| 120°-130° | 972.8 | 9.1 |
| 130°-140° | 763.3 | 7.2 |
| 140°-150° | 585.9 | 5.5 |
| 150°-160° | 421.9 | 4.0 |
| 160°-170° | 258.2 | 2.4 |
| 170°-180° | 87.2 | 0.8 |
| 0°-30° | 1048.1 | 9.8 |
| 0°-40° | 1841.5 | 17.3 |
| 0°-60° | 3576.3 | 33.5 |
| 0°-90° | 4757.8 | 44.6 |
| 90°-120° | 2827.3 | 26.5 |
| 90°-150° | 5149.3 | 48.2 |
| 90°-180° | 5917.0 | 55.4 |
| 0°-180° | 10674.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|------|-------|------|------|
| 0° | 614 | 614 | 614 | 614 | 614 | |
| 5° | 599 | 642 | 723 | 818 | 848 | 55 |
| 15° | 449 | 828 | 1395 | 1692 | 1745 | 125 |
| 25° | 286 | 939 | 1662 | 1735 | 1737 | 132 |
| 35° | 194 | 897 | 1565 | 1654 | 1719 | 121 |
| 45° | 132 | 715 | 1383 | 1585 | 1656 | 102 |
| 55° | 95 | 454 | 1174 | 1364 | 1401 | 86 |
| 65° | 75 | 241 | 871 | 980 | 994 | 74 |
| 75° | 55 | 148 | 478 | 526 | 528 | 58 |
| 85° | 20 | 45 | 119 | 130 | 132 | 21 |
| 90° | 6 | 17 | 46 | 23 | 23 | 6 |
| 95° | 59 | 230 | 766 | 395 | 269 | 65 |
| 105° | 211 | 319 | 1293 | 1963 | 1832 | 223 |
| 115° | 374 | 454 | 1036 | 2066 | 2358 | 370 |
| 125° | 521 | 584 | 942 | 1592 | 1878 | 462 |
| 135° | 620 | 683 | 913 | 1285 | 1457 | 480 |
| 145° | 720 | 766 | 901 | 1096 | 1182 | 451 |
| 155° | 813 | 836 | 901 | 989 | 1018 | 374 |
| 165° | 878 | 889 | 901 | 937 | 948 | 248 |
| 175° | 913 | 913 | 907 | 919 | 919 | 87 |
| 180° | 913 | 913 | 913 | 913 | 913 | |



TEST NUMBER: P937120

CATALOG NUMBER: SQ4-FB-075U-075D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 614.5 | 614.5 | 614.5 | 614.5 | 614.5 | 614.5 | 614.5 | 614.5 | 614.5 | 614.5 | 614.5 |
| 2.5° | 614.5 | 614.5 | 618.5 | 620.5 | 624.4 | 626.4 | 630.3 | 634.3 | 646.2 | 648.1 | 652.1 |
| 5° | 598.7 | 606.6 | 632.3 | 642.2 | 669.9 | 707.4 | 723.2 | 748.9 | 802.3 | 818.1 | 827.9 |
| 7.5° | 575.0 | 592.8 | 656.0 | 671.8 | 741.0 | 839.8 | 881.3 | 936.6 | 1021.6 | 1063.1 | 1096.7 |
| 10° | 537.5 | 575.0 | 687.6 | 725.2 | 837.8 | 988.0 | 1065.1 | 1142.2 | 1270.7 | 1328.0 | 1349.7 |
| 12.5° | 496.0 | 557.2 | 721.2 | 772.6 | 934.6 | 1154.1 | 1247.0 | 1331.9 | 1478.1 | 1555.2 | 1567.1 |
| 15° | 448.6 | 531.5 | 752.9 | 827.9 | 1037.4 | 1292.4 | 1395.2 | 1499.9 | 1636.2 | 1691.6 | 1705.4 |
| 17.5° | 407.1 | 511.8 | 782.5 | 861.5 | 1116.4 | 1416.9 | 1521.6 | 1608.6 | 1719.2 | 1756.8 | 1766.6 |
| 20° | 355.7 | 480.2 | 802.3 | 905.0 | 1199.5 | 1507.8 | 1608.6 | 1675.7 | 1750.8 | 1774.5 | 1778.5 |
| 22.5° | 318.1 | 446.6 | 814.1 | 920.8 | 1254.9 | 1563.1 | 1648.1 | 1701.4 | 1752.8 | 1760.7 | 1762.7 |
| 25° | 286.5 | 409.0 | 812.1 | 938.6 | 1302.3 | 1596.7 | 1661.9 | 1701.4 | 1731.1 | 1735.0 | 1735.0 |
| 27.5° | 256.9 | 367.5 | 804.2 | 942.6 | 1337.9 | 1604.6 | 1656.0 | 1683.7 | 1697.5 | 1705.4 | 1705.4 |
| 30° | 231.2 | 328.0 | 784.5 | 934.6 | 1353.7 | 1596.7 | 1638.2 | 1652.0 | 1665.9 | 1677.7 | 1683.7 |
| 32.5° | 211.4 | 290.5 | 754.8 | 918.8 | 1355.6 | 1576.9 | 1606.6 | 1614.5 | 1634.3 | 1661.9 | 1671.8 |
| 35° | 193.6 | 252.9 | 721.2 | 897.1 | 1343.8 | 1545.3 | 1565.1 | 1573.0 | 1612.5 | 1654.0 | 1667.8 |
| 37.5° | 175.9 | 225.3 | 677.8 | 859.6 | 1326.0 | 1507.8 | 1521.6 | 1535.5 | 1596.7 | 1646.1 | 1661.9 |
| 40° | 158.1 | 201.6 | 626.4 | 818.1 | 1298.3 | 1462.3 | 1474.2 | 1495.9 | 1576.9 | 1634.3 | 1650.1 |
| 42.5° | 144.2 | 181.8 | 571.1 | 774.6 | 1262.8 | 1411.0 | 1428.7 | 1460.4 | 1553.2 | 1614.5 | 1632.3 |
| 45° | 132.4 | 162.0 | 511.8 | 715.3 | 1217.3 | 1357.6 | 1383.3 | 1426.8 | 1525.6 | 1584.9 | 1600.7 |
| 47.5° | 120.5 | 148.2 | 450.5 | 654.1 | 1167.9 | 1304.3 | 1337.9 | 1387.3 | 1488.0 | 1545.3 | 1559.2 |
| 50° | 110.7 | 134.4 | 389.3 | 588.8 | 1114.5 | 1247.0 | 1286.5 | 1337.9 | 1440.6 | 1494.0 | 1511.7 |
| 52.5° | 102.8 | 122.5 | 332.0 | 523.6 | 1053.2 | 1187.7 | 1233.1 | 1286.5 | 1383.3 | 1434.7 | 1446.5 |
| 55° | 94.8 | 112.6 | 282.6 | 454.5 | 990.0 | 1124.4 | 1173.8 | 1225.2 | 1320.1 | 1363.5 | 1371.4 |
| 57.5° | 90.9 | 104.7 | 241.1 | 389.3 | 922.8 | 1053.2 | 1108.5 | 1156.1 | 1245.0 | 1278.6 | 1286.5 |
| 60° | 85.0 | 98.8 | 209.5 | 333.9 | 849.7 | 986.0 | 1033.4 | 1080.9 | 1156.1 | 1183.7 | 1189.7 |
| 62.5° | 79.0 | 94.8 | 185.7 | 280.6 | 774.6 | 907.0 | 954.4 | 997.9 | 1061.1 | 1080.9 | 1088.8 |
| 65° | 75.1 | 90.9 | 168.0 | 241.1 | 697.5 | 824.0 | 871.4 | 909.0 | 960.3 | 980.1 | 984.0 |
| 67.5° | 71.1 | 86.9 | 154.1 | 207.5 | 620.5 | 741.0 | 776.6 | 812.1 | 851.7 | 871.4 | 873.4 |
| 70° | 65.2 | 83.0 | 142.3 | 183.8 | 541.4 | 646.2 | 675.8 | 713.3 | 745.0 | 754.8 | 760.8 |
| 72.5° | 61.3 | 77.1 | 134.4 | 166.0 | 460.4 | 555.3 | 582.9 | 604.7 | 632.3 | 642.2 | 642.2 |
| 75° | 55.3 | 69.2 | 126.5 | 148.2 | 377.4 | 454.5 | 478.2 | 499.9 | 521.7 | 525.6 | 519.7 |
| 77.5° | 49.4 | 61.3 | 108.7 | 124.5 | 294.4 | 359.6 | 379.4 | 391.2 | 409.0 | 413.0 | 415.0 |
| 80° | 41.5 | 53.4 | 85.0 | 96.8 | 213.4 | 264.8 | 278.6 | 288.5 | 304.3 | 304.3 | 308.3 |
| 82.5° | 31.6 | 41.5 | 61.3 | 69.2 | 144.2 | 181.8 | 193.6 | 199.6 | 209.5 | 209.5 | 209.5 |
| 85° | 19.8 | 25.7 | 39.5 | 45.4 | 86.9 | 110.7 | 118.6 | 120.5 | 128.4 | 130.4 | 130.4 |
| 87.5° | 9.9 | 13.8 | 25.7 | 27.7 | 45.4 | 57.3 | 57.3 | 61.3 | 61.3 | 59.3 | 57.3 |
| 90° | 6.1 | 11.1 | 16.0 | 17.2 | 27.0 | 40.0 | 46.5 | 41.4 | 31.0 | 23.3 | 23.3 |
| 92.5° | 24.5 | 66.2 | 107.9 | 118.3 | 166.3 | 230.2 | 262.2 | 229.8 | 165.0 | 116.4 | 111.7 |
| 95° | 58.8 | 135.1 | 211.2 | 230.3 | 408.9 | 647.1 | 766.3 | 683.8 | 518.8 | 395.1 | 381.1 |
| 97.5° | 101.7 | 168.9 | 236.2 | 253.0 | 550.9 | 948.1 | 1146.7 | 1094.5 | 990.3 | 912.1 | 885.4 |
| 100° | 134.8 | 195.7 | 256.8 | 272.0 | 602.6 | 1043.3 | 1263.7 | 1267.5 | 1275.1 | 1280.8 | 1249.0 |
| 102.5° | 162.9 | 219.8 | 276.7 | 291.0 | 626.2 | 1073.3 | 1296.8 | 1363.1 | 1496.0 | 1595.7 | 1568.4 |
| 105° | 210.7 | 259.0 | 307.1 | 319.1 | 643.8 | 1076.6 | 1293.1 | 1442.0 | 1739.8 | 1963.2 | 1948.5 |
| 107.5° | 259.7 | 304.7 | 349.6 | 360.8 | 647.0 | 1028.7 | 1219.6 | 1427.3 | 1842.7 | 2154.3 | 2157.9 |
| 110° | 292.8 | 333.4 | 373.9 | 384.0 | 642.1 | 986.2 | 1158.3 | 1390.5 | 1855.0 | 2203.3 | 2218.6 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 112.5° | 325.2 | 363.9 | 402.5 | 412.2 | 642.3 | 949.2 | 1102.6 | 1340.3 | 1815.6 | 2172.1 | 2195.5 |
| 115° | 374.3 | 409.9 | 445.6 | 454.5 | 648.2 | 906.6 | 1035.8 | 1264.7 | 1722.7 | 2066.1 | 2098.6 |
| 117.5° | 422.7 | 455.1 | 487.5 | 495.6 | 660.4 | 880.0 | 989.9 | 1196.5 | 1609.7 | 1919.7 | 1955.6 |
| 120° | 450.8 | 481.3 | 511.8 | 519.4 | 670.1 | 871.0 | 971.5 | 1160.3 | 1537.9 | 1821.1 | 1856.1 |
| 122.5° | 478.4 | 509.2 | 539.9 | 547.6 | 684.2 | 866.3 | 957.4 | 1127.4 | 1467.5 | 1722.5 | 1757.0 |
| 125° | 520.7 | 548.7 | 576.7 | 583.7 | 703.2 | 862.4 | 942.1 | 1086.5 | 1375.3 | 1592.0 | 1623.8 |
| 127.5° | 555.0 | 583.3 | 611.6 | 618.7 | 722.2 | 860.3 | 929.2 | 1053.2 | 1301.2 | 1487.2 | 1514.0 |
| 130° | 573.3 | 603.8 | 634.3 | 641.9 | 736.1 | 861.6 | 924.4 | 1034.7 | 1255.6 | 1421.1 | 1445.9 |
| 132.5° | 592.3 | 622.8 | 653.4 | 661.0 | 747.3 | 862.4 | 920.0 | 1018.8 | 1216.5 | 1364.7 | 1387.0 |
| 135° | 620.5 | 648.2 | 676.1 | 683.0 | 759.6 | 861.6 | 912.7 | 995.5 | 1161.0 | 1285.1 | 1304.3 |
| 137.5° | 649.3 | 676.8 | 704.2 | 711.2 | 778.0 | 867.0 | 911.4 | 981.4 | 1121.4 | 1226.3 | 1241.9 |
| 140° | 673.2 | 698.5 | 723.8 | 730.1 | 789.1 | 867.9 | 907.2 | 967.6 | 1088.5 | 1179.2 | 1193.8 |
| 142.5° | 691.6 | 715.0 | 738.4 | 744.3 | 798.6 | 871.0 | 907.2 | 960.2 | 1066.4 | 1146.1 | 1158.6 |
| 145° | 719.8 | 740.2 | 760.6 | 765.7 | 810.9 | 871.0 | 901.1 | 944.5 | 1031.4 | 1096.5 | 1106.0 |
| 147.5° | 747.9 | 767.8 | 787.7 | 792.7 | 828.8 | 876.9 | 901.1 | 935.2 | 1003.5 | 1054.8 | 1062.7 |
| 150° | 766.3 | 784.3 | 802.3 | 806.7 | 838.1 | 880.1 | 901.1 | 929.9 | 987.6 | 1030.9 | 1037.3 |
| 152.5° | 785.3 | 798.9 | 812.5 | 815.9 | 844.2 | 882.1 | 901.1 | 925.7 | 975.0 | 1011.9 | 1016.8 |
| 155° | 813.4 | 823.5 | 833.6 | 836.1 | 857.8 | 886.6 | 901.1 | 920.6 | 959.8 | 989.3 | 992.4 |
| 157.5° | 834.3 | 844.0 | 853.8 | 856.3 | 871.2 | 891.1 | 901.1 | 916.3 | 946.8 | 969.6 | 971.9 |
| 160° | 848.4 | 856.0 | 863.6 | 865.5 | 877.3 | 893.2 | 901.1 | 914.1 | 940.3 | 959.8 | 961.1 |
| 162.5° | 862.4 | 868.2 | 873.9 | 875.4 | 884.0 | 895.3 | 901.1 | 912.1 | 934.2 | 950.7 | 951.8 |
| 165° | 877.7 | 882.9 | 888.1 | 889.4 | 893.3 | 898.5 | 901.1 | 909.0 | 924.8 | 936.6 | 937.9 |
| 167.5° | 891.9 | 894.3 | 896.8 | 897.4 | 900.7 | 905.0 | 907.2 | 912.3 | 922.7 | 930.5 | 931.0 |
| 170° | 901.1 | 903.5 | 906.0 | 906.6 | 906.8 | 907.1 | 907.2 | 912.3 | 922.7 | 930.5 | 930.5 |
| 172.5° | 906.0 | 906.5 | 907.1 | 907.2 | 907.2 | 907.2 | 907.2 | 911.2 | 919.4 | 925.6 | 925.1 |
| 175° | 912.7 | 912.7 | 912.7 | 912.7 | 910.8 | 908.4 | 907.2 | 909.8 | 915.0 | 918.8 | 918.8 |
| 177.5° | 912.7 | 912.7 | 912.7 | 912.7 | 911.2 | 909.4 | 908.4 | 910.4 | 914.5 | 917.6 | 917.1 |
| 180° | 912.7 | 912.7 | 912.7 | 912.7 | 912.7 | 912.7 | 912.7 | 912.7 | 912.7 | 912.7 | 912.7 |



TEST NUMBER: P937120

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CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 614.5 | 614.5 |
| 2.5° | 656.0 | 652.1 |
| 5° | 843.8 | 847.7 |
| 7.5° | 1136.3 | 1134.3 |
| 10° | 1412.9 | 1430.7 |
| 12.5° | 1614.5 | 1618.4 |
| 15° | 1737.0 | 1744.9 |
| 17.5° | 1784.4 | 1786.4 |
| 20° | 1786.4 | 1782.5 |
| 22.5° | 1764.7 | 1760.7 |
| 25° | 1739.0 | 1737.0 |
| 27.5° | 1715.3 | 1717.2 |
| 30° | 1705.4 | 1711.3 |
| 32.5° | 1705.4 | 1715.3 |
| 35° | 1709.3 | 1719.2 |
| 37.5° | 1707.4 | 1719.2 |
| 40° | 1699.5 | 1713.3 |
| 42.5° | 1677.7 | 1687.6 |
| 45° | 1644.1 | 1656.0 |
| 47.5° | 1600.7 | 1608.6 |
| 50° | 1545.3 | 1553.2 |
| 52.5° | 1476.2 | 1478.1 |
| 55° | 1393.2 | 1401.1 |
| 57.5° | 1304.3 | 1306.2 |
| 60° | 1205.5 | 1211.4 |
| 62.5° | 1100.6 | 1100.6 |
| 65° | 990.0 | 993.9 |
| 67.5° | 875.4 | 885.2 |
| 70° | 758.8 | 760.8 |
| 72.5° | 644.2 | 644.2 |
| 75° | 525.6 | 527.6 |
| 77.5° | 413.0 | 413.0 |
| 80° | 306.3 | 308.3 |
| 82.5° | 211.4 | 215.4 |
| 85° | 132.4 | 132.4 |
| 87.5° | 61.3 | 55.3 |
| 90° | 23.3 | 23.3 |
| 92.5° | 93.3 | 74.7 |
| 95° | 325.1 | 268.9 |
| 97.5° | 778.6 | 671.9 |
| 100° | 1122.0 | 994.8 |
| 102.5° | 1459.6 | 1350.7 |
| 105° | 1889.9 | 1831.5 |
| 107.5° | 2172.0 | 2186.1 |
| 110° | 2279.6 | 2340.6 |



TEST NUMBER: P937120

CATALOG NUMBER: SQ4-FB-075U-075D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 2289.1 | 2382.8 |
| 115° | 2228.4 | 2358.3 |
| 117.5° | 2099.7 | 2243.7 |
| 120° | 1996.1 | 2136.0 |
| 122.5° | 1895.0 | 2033.0 |
| 125° | 1750.9 | 1878.1 |
| 127.5° | 1621.3 | 1728.6 |
| 130° | 1544.9 | 1644.0 |
| 132.5° | 1475.7 | 1564.4 |
| 135° | 1380.7 | 1457.2 |
| 137.5° | 1304.6 | 1367.2 |
| 140° | 1252.4 | 1310.9 |
| 142.5° | 1209.0 | 1259.4 |
| 145° | 1144.1 | 1182.2 |
| 147.5° | 1094.2 | 1125.8 |
| 150° | 1062.9 | 1088.5 |
| 152.5° | 1036.0 | 1055.4 |
| 155° | 1005.3 | 1018.0 |
| 157.5° | 980.9 | 989.9 |
| 160° | 966.4 | 971.5 |
| 162.5° | 956.8 | 961.7 |
| 165° | 943.0 | 948.2 |
| 167.5° | 933.2 | 935.3 |
| 170° | 930.5 | 930.5 |
| 172.5° | 923.2 | 921.3 |
| 175° | 918.8 | 918.8 |
| 177.5° | 914.9 | 912.7 |
| 180° | 912.7 | 912.7 |



TEST NUMBER: P937120
 CATALOG NUMBER: SQ4-FB-075U-075D-840-1D-UNV-STD-W-8

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 | 4.13 | 4.98 | 5.12 | 5.99 | 7.33 | 17.31 | 18.16 | 18.30 | 19.17 | 20.51 |
| | 3H | 4.83 | 5.59 | 5.84 | 6.61 | 7.98 | 19.15 | 19.91 | 20.15 | 20.93 | 22.29 |
| | 4H | 5.13 | 5.85 | 6.15 | 6.88 | 8.25 | 19.79 | 20.51 | 20.81 | 21.54 | 22.91 |
| | 6H | 5.38 | 6.05 | 6.41 | 7.07 | 8.46 | 20.22 | 20.89 | 21.25 | 21.91 | 23.30 |
| | 8H | 5.45 | 6.08 | 6.48 | 7.13 | 8.51 | 20.34 | 20.98 | 21.38 | 22.02 | 23.40 |
| | 12H | 5.47 | 6.07 | 6.51 | 7.11 | 8.51 | 20.41 | 21.01 | 21.45 | 22.05 | 23.46 |
| 4H | 2H | 11.34 | 12.06 | 12.37 | 13.09 | 14.46 | 17.58 | 18.30 | 18.60 | 19.33 | 20.70 |
| | 3H | 12.91 | 13.51 | 13.94 | 14.56 | 15.95 | 19.62 | 20.23 | 20.66 | 21.28 | 22.67 |
| | 4H | 13.00 | 13.56 | 14.04 | 14.60 | 16.01 | 20.39 | 20.94 | 21.43 | 21.99 | 23.40 |
| | 6H | 13.01 | 13.49 | 14.06 | 14.56 | 15.96 | 20.93 | 21.41 | 21.98 | 22.47 | 23.88 |
| | 8H | 12.99 | 13.44 | 14.04 | 14.50 | 15.91 | 21.09 | 21.54 | 22.14 | 22.60 | 24.02 |
| | 12H | 12.94 | 13.35 | 14.02 | 14.42 | 15.85 | 21.18 | 21.59 | 22.25 | 22.66 | 24.09 |
| 8H | 4H | 14.45 | 14.89 | 15.50 | 15.95 | 17.37 | 20.45 | 20.90 | 21.50 | 21.96 | 23.37 |
| | 6H | 14.69 | 15.06 | 15.76 | 16.16 | 17.57 | 21.08 | 21.45 | 22.15 | 22.55 | 23.97 |
| | 8H | 14.71 | 15.03 | 15.79 | 16.12 | 17.55 | 21.30 | 21.62 | 22.38 | 22.71 | 24.14 |
| | 12H | 14.67 | 14.96 | 15.76 | 16.04 | 17.52 | 21.44 | 21.73 | 22.53 | 22.81 | 24.28 |
| 12H | 4H | 14.59 | 14.99 | 15.66 | 16.07 | 17.49 | 20.40 | 20.81 | 21.47 | 21.88 | 23.30 |
| | 6H | 14.95 | 15.27 | 16.03 | 16.36 | 17.79 | 21.06 | 21.39 | 22.14 | 22.47 | 23.91 |
| | 8H | 15.01 | 15.30 | 16.10 | 16.38 | 17.86 | 21.29 | 21.58 | 22.38 | 22.66 | 24.13 |