

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: P937245

Luminaire Tested: SQ4-FB-075U-100D-92765-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P937245
REPORT IS A COMBINATION OF REPORTS P933519 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-075U-100D-92765-1D-UNV-STD-W-8-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

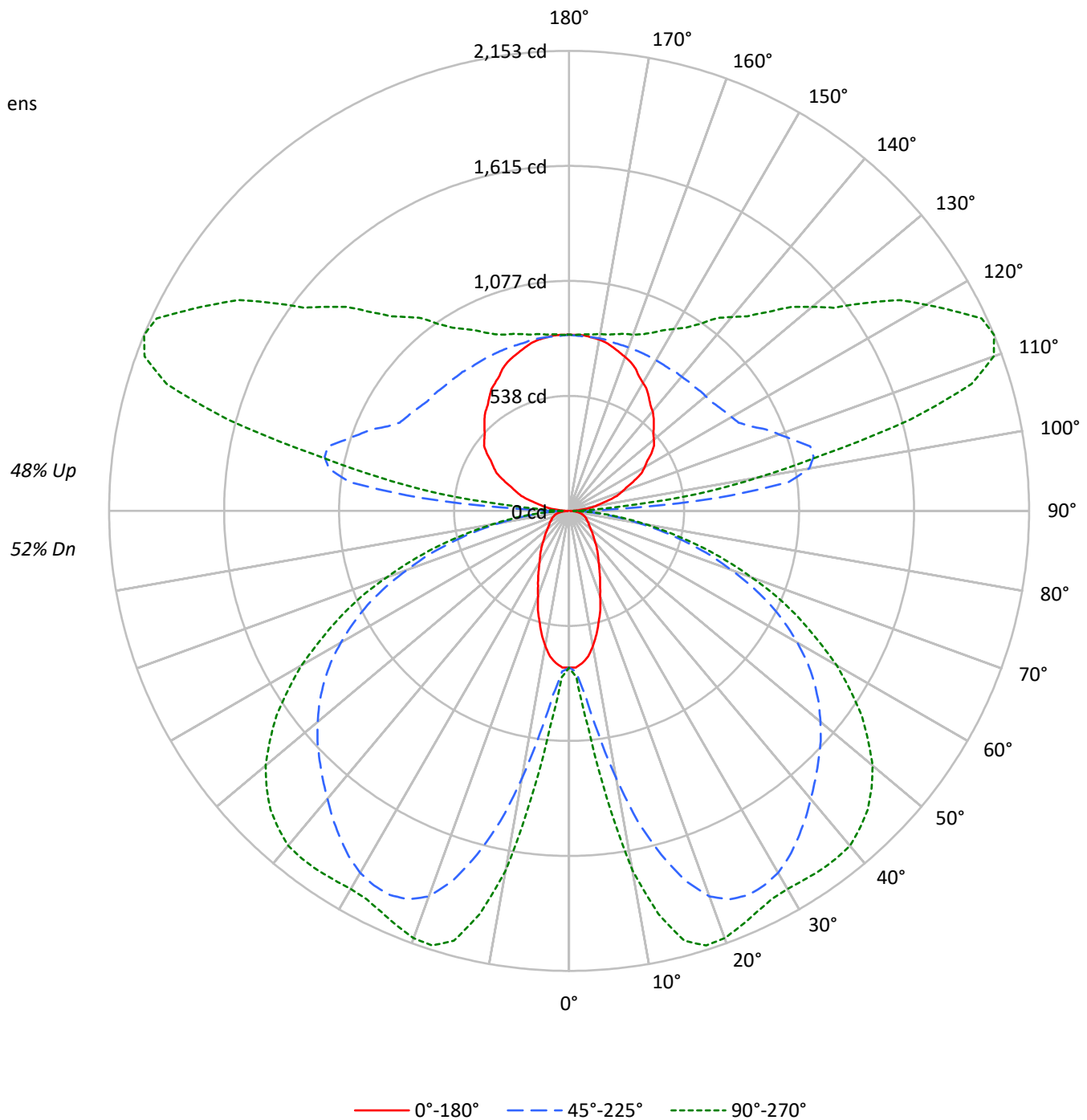
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11023.9 lumens
Efficiency: N/A
Efficacy: 107.7 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): 102.4
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: P937245
CATALOG NUMBER: SQ4-FB-075U-100D-92765-1D-UNV-STD-W-8-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P937245

CATALOG NUMBER: SQ4-FB-075U-100D-92765-1D-UNV-STD-W-8-3500K

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 | 108 | 108 | 108 | 108 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 70 | 70 | 70 | 58 | 58 | 58 | 52 |
| 1 | 98 | 93 | 89 | 85 | 90 | 86 | 82 | 79 | 73 | 70 | 68 | 61 | 59 | 57 | 50 | 49 | 47 | 42 |
| 2 | 88 | 80 | 74 | 69 | 81 | 74 | 69 | 64 | 63 | 59 | 55 | 53 | 50 | 47 | 43 | 41 | 39 | 34 |
| 3 | 80 | 70 | 62 | 56 | 74 | 65 | 58 | 53 | 55 | 50 | 46 | 46 | 42 | 39 | 38 | 35 | 32 | 28 |
| 4 | 73 | 62 | 53 | 47 | 67 | 57 | 50 | 44 | 49 | 43 | 38 | 41 | 36 | 33 | 33 | 30 | 27 | 24 |
| 5 | 67 | 55 | 46 | 40 | 61 | 51 | 43 | 37 | 43 | 37 | 33 | 36 | 32 | 28 | 30 | 26 | 23 | 20 |
| 6 | 61 | 49 | 40 | 34 | 56 | 45 | 38 | 32 | 39 | 33 | 28 | 32 | 28 | 24 | 27 | 23 | 20 | 17 |
| 7 | 56 | 44 | 35 | 30 | 52 | 41 | 33 | 28 | 35 | 29 | 24 | 29 | 25 | 21 | 24 | 20 | 18 | 15 |
| 8 | 52 | 39 | 31 | 26 | 48 | 37 | 29 | 24 | 31 | 26 | 21 | 27 | 22 | 19 | 22 | 18 | 16 | 13 |
| 9 | 49 | 36 | 28 | 23 | 45 | 33 | 26 | 22 | 29 | 23 | 19 | 24 | 20 | 16 | 20 | 17 | 14 | 12 |
| 10 | 45 | 33 | 25 | 20 | 42 | 31 | 24 | 19 | 26 | 21 | 17 | 22 | 18 | 15 | 19 | 15 | 12 | 10 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 3404 | 3404 | 3404 |
| 5° | 3325 | 3934 | 4575 |
| 10° | 3016 | 5734 | 7585 |
| 15° | 2564 | 7492 | 9159 |
| 20° | 2087 | 8682 | 9334 |
| 25° | 1741 | 9085 | 9144 |
| 30° | 1468 | 9143 | 9127 |
| 35° | 1298 | 8991 | 9363 |
| 40° | 1131 | 8793 | 9607 |
| 45° | 1025 | 8649 | 9645 |
| 50° | 939 | 8519 | 9485 |
| 55° | 900 | 8328 | 9065 |
| 60° | 921 | 7963 | 8401 |
| 65° | 958 | 7407 | 7489 |
| 70° | 1020 | 6459 | 6326 |
| 75° | 1132 | 5266 | 4937 |
| 80° | 1235 | 3653 | 3327 |
| 85° | 1099 | 1939 | 1703 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 9645 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 94.9 | 0.9 |
| 10°-20° | 420.6 | 3.8 |
| 20°-30° | 735.7 | 6.7 |
| 30°-40° | 947.0 | 8.6 |
| 40°-50° | 1057.8 | 9.6 |
| 50°-60° | 1013.1 | 9.2 |
| 60°-70° | 802.9 | 7.3 |
| 70°-80° | 472.1 | 4.3 |
| 80°-90° | 134.3 | 1.2 |
| 90°-100° | 402.0 | 3.6 |
| 100°-110° | 1056.7 | 9.6 |
| 110°-120° | 1095.7 | 9.9 |
| 120°-130° | 878.9 | 8.0 |
| 130°-140° | 689.6 | 6.3 |
| 140°-150° | 529.3 | 4.8 |
| 150°-160° | 381.2 | 3.5 |
| 160°-170° | 233.2 | 2.1 |
| 170°-180° | 78.8 | 0.7 |
| 0°-30° | 1251.2 | 11.3 |
| 0°-40° | 2198.2 | 19.9 |
| 0°-60° | 4269.1 | 38.7 |
| 0°-90° | 5678.4 | 51.5 |
| 90°-120° | 2554.4 | 23.2 |
| 90°-150° | 4652.2 | 42.2 |
| 90°-180° | 5345.0 | 48.5 |
| 0°-180° | 11023.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|------|-------|------|------|
| 0° | 734 | 734 | 734 | 734 | 734 | |
| 5° | 715 | 767 | 863 | 977 | 1012 | 66 |
| 15° | 536 | 988 | 1665 | 2019 | 2083 | 149 |
| 25° | 342 | 1120 | 1984 | 2071 | 2074 | 158 |
| 35° | 231 | 1071 | 1868 | 1974 | 2052 | 144 |
| 45° | 158 | 854 | 1651 | 1892 | 1977 | 122 |
| 55° | 113 | 542 | 1401 | 1628 | 1672 | 103 |
| 65° | 90 | 288 | 1040 | 1170 | 1187 | 89 |
| 75° | 66 | 177 | 571 | 628 | 630 | 69 |
| 85° | 24 | 54 | 142 | 156 | 158 | 25 |
| 90° | 6 | 16 | 42 | 21 | 21 | 6 |
| 95° | 53 | 208 | 692 | 357 | 243 | 59 |
| 105° | 190 | 288 | 1168 | 1774 | 1655 | 202 |
| 115° | 338 | 411 | 936 | 1867 | 2131 | 334 |
| 125° | 470 | 527 | 851 | 1438 | 1697 | 418 |
| 135° | 561 | 617 | 825 | 1161 | 1316 | 434 |
| 145° | 650 | 692 | 814 | 991 | 1068 | 407 |
| 155° | 735 | 755 | 814 | 894 | 920 | 338 |
| 165° | 793 | 804 | 814 | 846 | 857 | 224 |
| 175° | 825 | 825 | 820 | 830 | 830 | 78 |
| 180° | 825 | 825 | 825 | 825 | 825 | |



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CATALOG NUMBER: SQ4-FB-075U-100D-92765-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 733.6 | 733.6 | 733.6 | 733.6 | 733.6 | 733.6 | 733.6 | 733.6 | 733.6 | 733.6 | 733.6 |
| 2.5° | 733.6 | 733.6 | 738.4 | 740.7 | 745.4 | 747.7 | 752.5 | 757.2 | 771.4 | 773.7 | 778.5 |
| 5° | 714.7 | 724.2 | 754.9 | 766.7 | 799.7 | 844.5 | 863.3 | 894.0 | 957.7 | 976.6 | 988.4 |
| 7.5° | 686.4 | 707.7 | 783.2 | 802.0 | 884.6 | 1002.5 | 1052.0 | 1118.1 | 1219.6 | 1269.1 | 1309.2 |
| 10° | 641.6 | 686.4 | 820.9 | 865.8 | 1000.2 | 1179.4 | 1271.4 | 1363.5 | 1516.7 | 1585.2 | 1611.1 |
| 12.5° | 592.1 | 665.2 | 861.0 | 922.3 | 1115.8 | 1377.6 | 1488.4 | 1589.9 | 1764.4 | 1856.5 | 1870.6 |
| 15° | 535.5 | 634.6 | 898.8 | 988.4 | 1238.4 | 1542.7 | 1665.4 | 1790.4 | 1953.1 | 2019.2 | 2035.7 |
| 17.5° | 485.9 | 611.0 | 934.1 | 1028.5 | 1332.8 | 1691.3 | 1816.4 | 1920.1 | 2052.2 | 2097.0 | 2108.9 |
| 20° | 424.6 | 573.2 | 957.7 | 1080.3 | 1431.9 | 1799.9 | 1920.1 | 2000.4 | 2090.0 | 2118.3 | 2123.0 |
| 22.5° | 379.8 | 533.1 | 971.9 | 1099.3 | 1497.9 | 1865.9 | 1967.3 | 2031.0 | 2092.4 | 2101.8 | 2104.2 |
| 25° | 342.1 | 488.3 | 969.5 | 1120.5 | 1554.5 | 1906.0 | 1983.8 | 2031.0 | 2066.4 | 2071.1 | 2071.1 |
| 27.5° | 306.6 | 438.7 | 960.1 | 1125.2 | 1597.0 | 1915.5 | 1976.8 | 2009.8 | 2026.3 | 2035.7 | 2035.7 |
| 30° | 276.0 | 391.6 | 936.4 | 1115.8 | 1615.8 | 1906.0 | 1955.6 | 1972.1 | 1988.6 | 2002.7 | 2009.8 |
| 32.5° | 252.4 | 346.8 | 901.1 | 1096.9 | 1618.2 | 1882.4 | 1917.8 | 1927.3 | 1950.8 | 1983.8 | 1995.6 |
| 35° | 231.2 | 302.0 | 861.0 | 1071.0 | 1604.0 | 1844.7 | 1868.3 | 1877.7 | 1924.8 | 1974.4 | 1990.9 |
| 37.5° | 209.9 | 268.9 | 809.1 | 1026.2 | 1582.8 | 1799.9 | 1816.4 | 1832.9 | 1906.0 | 1964.9 | 1983.8 |
| 40° | 188.7 | 240.7 | 747.7 | 976.6 | 1549.8 | 1745.6 | 1759.7 | 1785.7 | 1882.4 | 1950.8 | 1969.7 |
| 42.5° | 172.2 | 217.0 | 681.7 | 924.7 | 1507.4 | 1684.3 | 1705.5 | 1743.2 | 1854.1 | 1927.3 | 1948.5 |
| 45° | 158.1 | 193.4 | 611.0 | 853.9 | 1453.1 | 1620.6 | 1651.3 | 1703.1 | 1821.0 | 1891.8 | 1910.7 |
| 47.5° | 143.9 | 176.9 | 537.8 | 780.8 | 1394.1 | 1556.9 | 1597.0 | 1656.0 | 1776.2 | 1844.7 | 1861.2 |
| 50° | 132.1 | 160.4 | 464.7 | 702.9 | 1330.5 | 1488.4 | 1535.7 | 1597.0 | 1719.6 | 1783.4 | 1804.5 |
| 52.5° | 122.6 | 146.2 | 396.3 | 625.1 | 1257.3 | 1417.7 | 1471.9 | 1535.7 | 1651.3 | 1712.6 | 1726.7 |
| 55° | 113.2 | 134.4 | 337.3 | 542.5 | 1181.8 | 1342.2 | 1401.1 | 1462.6 | 1575.7 | 1627.6 | 1637.1 |
| 57.5° | 108.5 | 125.1 | 287.8 | 464.7 | 1101.6 | 1257.3 | 1323.3 | 1380.0 | 1486.1 | 1526.2 | 1535.7 |
| 60° | 101.4 | 117.9 | 250.0 | 398.6 | 1014.4 | 1177.1 | 1233.7 | 1290.3 | 1380.0 | 1413.0 | 1420.1 |
| 62.5° | 94.3 | 113.2 | 221.7 | 335.0 | 924.7 | 1082.7 | 1139.3 | 1191.3 | 1266.7 | 1290.3 | 1299.7 |
| 65° | 89.6 | 108.5 | 200.5 | 287.8 | 832.7 | 983.7 | 1040.3 | 1085.1 | 1146.4 | 1170.0 | 1174.8 |
| 67.5° | 84.9 | 103.8 | 184.0 | 247.7 | 740.7 | 884.6 | 927.1 | 969.5 | 1016.7 | 1040.3 | 1042.7 |
| 70° | 77.8 | 99.1 | 169.9 | 219.4 | 646.3 | 771.4 | 806.7 | 851.6 | 889.3 | 901.1 | 908.2 |
| 72.5° | 73.1 | 92.0 | 160.4 | 198.2 | 549.6 | 662.9 | 695.9 | 721.9 | 754.9 | 766.7 | 766.7 |
| 75° | 66.1 | 82.6 | 150.9 | 176.9 | 450.6 | 542.5 | 570.8 | 596.8 | 622.8 | 627.5 | 620.4 |
| 77.5° | 59.0 | 73.1 | 129.7 | 148.6 | 351.5 | 429.4 | 452.9 | 467.0 | 488.3 | 493.0 | 495.4 |
| 80° | 49.5 | 63.7 | 101.4 | 115.6 | 254.8 | 316.1 | 332.6 | 344.4 | 363.3 | 363.3 | 368.0 |
| 82.5° | 37.8 | 49.5 | 73.1 | 82.6 | 172.2 | 217.0 | 231.2 | 238.2 | 250.0 | 250.0 | 250.0 |
| 85° | 23.6 | 30.7 | 47.2 | 54.3 | 103.8 | 132.1 | 141.6 | 143.9 | 153.4 | 155.7 | 155.7 |
| 87.5° | 11.8 | 16.5 | 30.7 | 33.0 | 54.3 | 68.4 | 68.4 | 73.1 | 73.1 | 70.8 | 68.4 |
| 90° | 5.5 | 10.0 | 14.5 | 15.5 | 24.4 | 36.2 | 42.0 | 37.4 | 28.0 | 21.1 | 21.1 |
| 92.5° | 22.1 | 59.8 | 97.5 | 106.8 | 150.2 | 208.0 | 236.9 | 207.6 | 149.1 | 105.2 | 101.0 |
| 95° | 53.1 | 122.0 | 190.8 | 208.1 | 369.5 | 584.7 | 692.3 | 617.8 | 468.7 | 357.0 | 344.3 |
| 97.5° | 91.9 | 152.6 | 213.4 | 228.6 | 497.7 | 856.6 | 1036.0 | 988.8 | 894.7 | 824.1 | 800.0 |
| 100° | 121.8 | 176.8 | 232.0 | 245.7 | 544.4 | 942.6 | 1141.7 | 1145.1 | 1152.0 | 1157.2 | 1128.5 |
| 102.5° | 147.2 | 198.6 | 250.0 | 262.9 | 565.7 | 969.7 | 1171.6 | 1231.5 | 1351.6 | 1441.7 | 1417.0 |
| 105° | 190.4 | 234.0 | 277.4 | 288.3 | 581.6 | 972.7 | 1168.3 | 1302.8 | 1571.8 | 1773.6 | 1760.4 |
| 107.5° | 234.7 | 275.3 | 315.8 | 326.0 | 584.6 | 929.4 | 1101.9 | 1289.5 | 1664.8 | 1946.4 | 1949.6 |
| 110° | 264.6 | 301.2 | 337.8 | 347.0 | 580.1 | 891.0 | 1046.5 | 1256.3 | 1675.9 | 1990.6 | 2004.4 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 112.5° | 293.9 | 328.8 | 363.7 | 372.4 | 580.3 | 857.5 | 996.2 | 1210.9 | 1640.4 | 1962.4 | 1983.6 |
| 115° | 338.1 | 370.3 | 402.6 | 410.6 | 585.6 | 819.1 | 935.8 | 1142.6 | 1556.4 | 1866.6 | 1896.0 |
| 117.5° | 381.9 | 411.1 | 440.4 | 447.7 | 596.6 | 795.1 | 894.3 | 1081.0 | 1454.3 | 1734.4 | 1766.9 |
| 120° | 407.3 | 434.8 | 462.4 | 469.3 | 605.4 | 786.9 | 877.7 | 1048.3 | 1389.5 | 1645.3 | 1676.9 |
| 122.5° | 432.2 | 460.1 | 487.8 | 494.8 | 618.1 | 782.6 | 864.9 | 1018.6 | 1325.8 | 1556.2 | 1587.3 |
| 125° | 470.4 | 495.8 | 521.0 | 527.4 | 635.3 | 779.2 | 851.1 | 981.6 | 1242.5 | 1438.3 | 1467.0 |
| 127.5° | 501.4 | 527.0 | 552.5 | 559.0 | 652.5 | 777.2 | 839.5 | 951.5 | 1175.6 | 1343.7 | 1367.9 |
| 130° | 518.0 | 545.5 | 573.1 | 579.9 | 665.0 | 778.5 | 835.1 | 934.8 | 1134.3 | 1283.9 | 1306.3 |
| 132.5° | 535.1 | 562.7 | 590.3 | 597.2 | 675.2 | 779.2 | 831.2 | 920.5 | 1099.1 | 1233.0 | 1253.1 |
| 135° | 560.6 | 585.6 | 610.8 | 617.1 | 686.2 | 778.5 | 824.6 | 899.4 | 1048.9 | 1161.0 | 1178.3 |
| 137.5° | 586.6 | 611.4 | 636.3 | 642.5 | 702.8 | 783.3 | 823.4 | 886.6 | 1013.1 | 1107.9 | 1122.0 |
| 140° | 608.2 | 631.1 | 653.9 | 659.6 | 712.9 | 784.1 | 819.6 | 874.2 | 983.4 | 1065.3 | 1078.6 |
| 142.5° | 624.8 | 646.0 | 667.1 | 672.4 | 721.5 | 786.9 | 819.6 | 867.5 | 963.5 | 1035.4 | 1046.8 |
| 145° | 650.3 | 668.8 | 687.1 | 691.8 | 732.6 | 786.9 | 814.1 | 853.3 | 931.8 | 990.6 | 999.2 |
| 147.5° | 675.7 | 693.7 | 711.7 | 716.1 | 748.8 | 792.3 | 814.1 | 845.0 | 906.6 | 953.0 | 960.1 |
| 150° | 692.3 | 708.6 | 724.8 | 728.8 | 757.2 | 795.1 | 814.1 | 840.1 | 892.3 | 931.4 | 937.2 |
| 152.5° | 709.5 | 721.8 | 734.1 | 737.1 | 762.7 | 796.9 | 814.1 | 836.3 | 880.8 | 914.2 | 918.6 |
| 155° | 734.9 | 744.0 | 753.1 | 755.4 | 775.0 | 801.0 | 814.1 | 831.7 | 867.2 | 893.8 | 896.6 |
| 157.5° | 753.7 | 762.6 | 771.4 | 773.6 | 787.1 | 805.1 | 814.1 | 827.8 | 855.4 | 876.0 | 878.1 |
| 160° | 766.5 | 773.4 | 780.2 | 781.9 | 792.6 | 806.9 | 814.1 | 825.9 | 849.5 | 867.2 | 868.3 |
| 162.5° | 779.2 | 784.3 | 789.5 | 790.9 | 798.6 | 808.9 | 814.1 | 824.1 | 844.0 | 858.9 | 860.0 |
| 165° | 793.0 | 797.6 | 802.4 | 803.5 | 807.0 | 811.7 | 814.1 | 821.2 | 835.5 | 846.2 | 847.4 |
| 167.5° | 805.8 | 808.0 | 810.2 | 810.8 | 813.7 | 817.6 | 819.6 | 824.2 | 833.6 | 840.7 | 841.1 |
| 170° | 814.1 | 816.3 | 818.5 | 819.1 | 819.2 | 819.5 | 819.6 | 824.2 | 833.6 | 840.7 | 840.7 |
| 172.5° | 818.5 | 819.0 | 819.5 | 819.6 | 819.6 | 819.6 | 819.6 | 823.3 | 830.7 | 836.2 | 835.8 |
| 175° | 824.6 | 824.6 | 824.6 | 824.6 | 822.9 | 820.7 | 819.6 | 821.9 | 826.7 | 830.1 | 830.1 |
| 177.5° | 824.6 | 824.6 | 824.6 | 824.6 | 823.3 | 821.6 | 820.7 | 822.5 | 826.2 | 829.0 | 828.5 |
| 180° | 824.6 | 824.6 | 824.6 | 824.6 | 824.6 | 824.6 | 824.6 | 824.6 | 824.6 | 824.6 | 824.6 |



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CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 733.6 | 733.6 |
| 2.5° | 783.2 | 778.5 |
| 5° | 1007.2 | 1012.0 |
| 7.5° | 1356.3 | 1354.0 |
| 10° | 1686.6 | 1707.8 |
| 12.5° | 1927.3 | 1932.0 |
| 15° | 2073.5 | 2082.9 |
| 17.5° | 2130.1 | 2132.5 |
| 20° | 2132.5 | 2127.7 |
| 22.5° | 2106.5 | 2101.8 |
| 25° | 2075.9 | 2073.5 |
| 27.5° | 2047.5 | 2049.9 |
| 30° | 2035.7 | 2042.9 |
| 32.5° | 2035.7 | 2047.5 |
| 35° | 2040.4 | 2052.2 |
| 37.5° | 2038.1 | 2052.2 |
| 40° | 2028.7 | 2045.2 |
| 42.5° | 2002.7 | 2014.5 |
| 45° | 1962.6 | 1976.8 |
| 47.5° | 1910.7 | 1920.1 |
| 50° | 1844.7 | 1854.1 |
| 52.5° | 1762.1 | 1764.4 |
| 55° | 1663.0 | 1672.5 |
| 57.5° | 1556.9 | 1559.2 |
| 60° | 1438.9 | 1446.0 |
| 62.5° | 1313.9 | 1313.9 |
| 65° | 1181.8 | 1186.6 |
| 67.5° | 1045.0 | 1056.8 |
| 70° | 905.8 | 908.2 |
| 72.5° | 769.0 | 769.0 |
| 75° | 627.5 | 629.8 |
| 77.5° | 493.0 | 493.0 |
| 80° | 365.6 | 368.0 |
| 82.5° | 252.4 | 257.2 |
| 85° | 158.1 | 158.1 |
| 87.5° | 73.1 | 66.1 |
| 90° | 21.1 | 21.1 |
| 92.5° | 84.3 | 67.5 |
| 95° | 293.7 | 243.0 |
| 97.5° | 703.5 | 607.1 |
| 100° | 1013.7 | 898.8 |
| 102.5° | 1318.7 | 1220.3 |
| 105° | 1707.5 | 1654.6 |
| 107.5° | 1962.3 | 1975.1 |
| 110° | 2059.5 | 2114.6 |



TEST NUMBER: P937245

CATALOG NUMBER: SQ4-FB-075U-100D-92765-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 2068.1 | 2152.7 |
| 115° | 2013.3 | 2130.6 |
| 117.5° | 1897.0 | 2027.1 |
| 120° | 1803.4 | 1929.8 |
| 122.5° | 1712.0 | 1836.7 |
| 125° | 1581.9 | 1696.8 |
| 127.5° | 1464.8 | 1561.7 |
| 130° | 1395.8 | 1485.3 |
| 132.5° | 1333.2 | 1413.4 |
| 135° | 1247.4 | 1316.5 |
| 137.5° | 1178.6 | 1235.2 |
| 140° | 1131.5 | 1184.3 |
| 142.5° | 1092.3 | 1137.8 |
| 145° | 1033.7 | 1068.1 |
| 147.5° | 988.6 | 1017.1 |
| 150° | 960.3 | 983.4 |
| 152.5° | 936.0 | 953.5 |
| 155° | 908.2 | 919.8 |
| 157.5° | 886.2 | 894.3 |
| 160° | 873.1 | 877.7 |
| 162.5° | 864.4 | 868.9 |
| 165° | 852.0 | 856.6 |
| 167.5° | 843.1 | 845.0 |
| 170° | 840.7 | 840.7 |
| 172.5° | 834.1 | 832.4 |
| 175° | 830.1 | 830.1 |
| 177.5° | 826.6 | 824.6 |
| 180° | 824.6 | 824.6 |



TEST NUMBER: P937245
 CATALOG NUMBER: SQ4-FB-075U-100D-92765-1D-UNV-STD-W-8-3500K

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 | 5.40 | 6.31 | 6.33 | 7.27 | 8.52 | 18.58 | 19.49 | 19.51 | 20.45 | 21.70 |
| | 3H | 6.11 | 6.93 | 7.06 | 7.90 | 9.17 | 20.42 | 21.24 | 21.37 | 22.21 | 23.48 |
| | 4H | 6.41 | 7.19 | 7.37 | 8.16 | 9.44 | 21.07 | 21.85 | 22.03 | 22.82 | 24.10 |
| | 6H | 6.66 | 7.38 | 7.64 | 8.36 | 9.65 | 21.50 | 22.22 | 22.47 | 23.20 | 24.49 |
| | 8H | 6.73 | 7.42 | 7.71 | 8.41 | 9.70 | 21.62 | 22.31 | 22.60 | 23.30 | 24.59 |
| | 12H | 6.75 | 7.40 | 7.74 | 8.39 | 9.71 | 21.69 | 22.35 | 22.68 | 23.34 | 24.65 |
| 4H | 2H | 12.62 | 13.40 | 13.59 | 14.37 | 15.65 | 18.86 | 19.64 | 19.82 | 20.61 | 21.89 |
| | 3H | 14.19 | 14.85 | 15.17 | 15.85 | 17.14 | 20.91 | 21.56 | 21.89 | 22.56 | 23.85 |
| | 4H | 14.29 | 14.89 | 15.28 | 15.88 | 17.20 | 21.68 | 22.28 | 22.66 | 23.27 | 24.59 |
| | 6H | 14.30 | 14.82 | 15.30 | 15.84 | 17.15 | 22.22 | 22.74 | 23.22 | 23.76 | 25.07 |
| | 8H | 14.28 | 14.76 | 15.28 | 15.78 | 17.11 | 22.38 | 22.87 | 23.38 | 23.88 | 25.21 |
| | 12H | 14.24 | 14.68 | 15.26 | 15.71 | 17.04 | 22.48 | 22.92 | 23.50 | 23.94 | 25.28 |
| 8H | 4H | 15.74 | 16.22 | 16.74 | 17.23 | 18.56 | 21.74 | 22.23 | 22.74 | 23.24 | 24.57 |
| | 6H | 15.98 | 16.38 | 17.01 | 17.44 | 18.76 | 22.37 | 22.77 | 23.40 | 23.83 | 25.15 |
| | 8H | 16.00 | 16.36 | 17.04 | 17.40 | 18.74 | 22.60 | 22.95 | 23.63 | 23.99 | 25.33 |
| | 12H | 15.97 | 16.28 | 17.01 | 17.32 | 18.71 | 22.74 | 23.05 | 23.78 | 24.09 | 25.48 |
| 12H | 4H | 15.89 | 16.32 | 16.91 | 17.35 | 18.68 | 21.70 | 22.13 | 22.72 | 23.16 | 24.50 |
| | 6H | 16.24 | 16.60 | 17.28 | 17.64 | 18.98 | 22.36 | 22.71 | 23.39 | 23.75 | 25.10 |
| | 8H | 16.32 | 16.63 | 17.35 | 17.66 | 19.05 | 22.59 | 22.90 | 23.63 | 23.94 | 25.32 |