

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: P938162

Luminaire Tested: SQ4-FB-125U-125D-93050-1D-UNV-STD-W-6-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P938162
REPORT IS A COMBINATION OF REPORTS P933608 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-125U-125D-93050-1D-UNV-STD-W-6-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

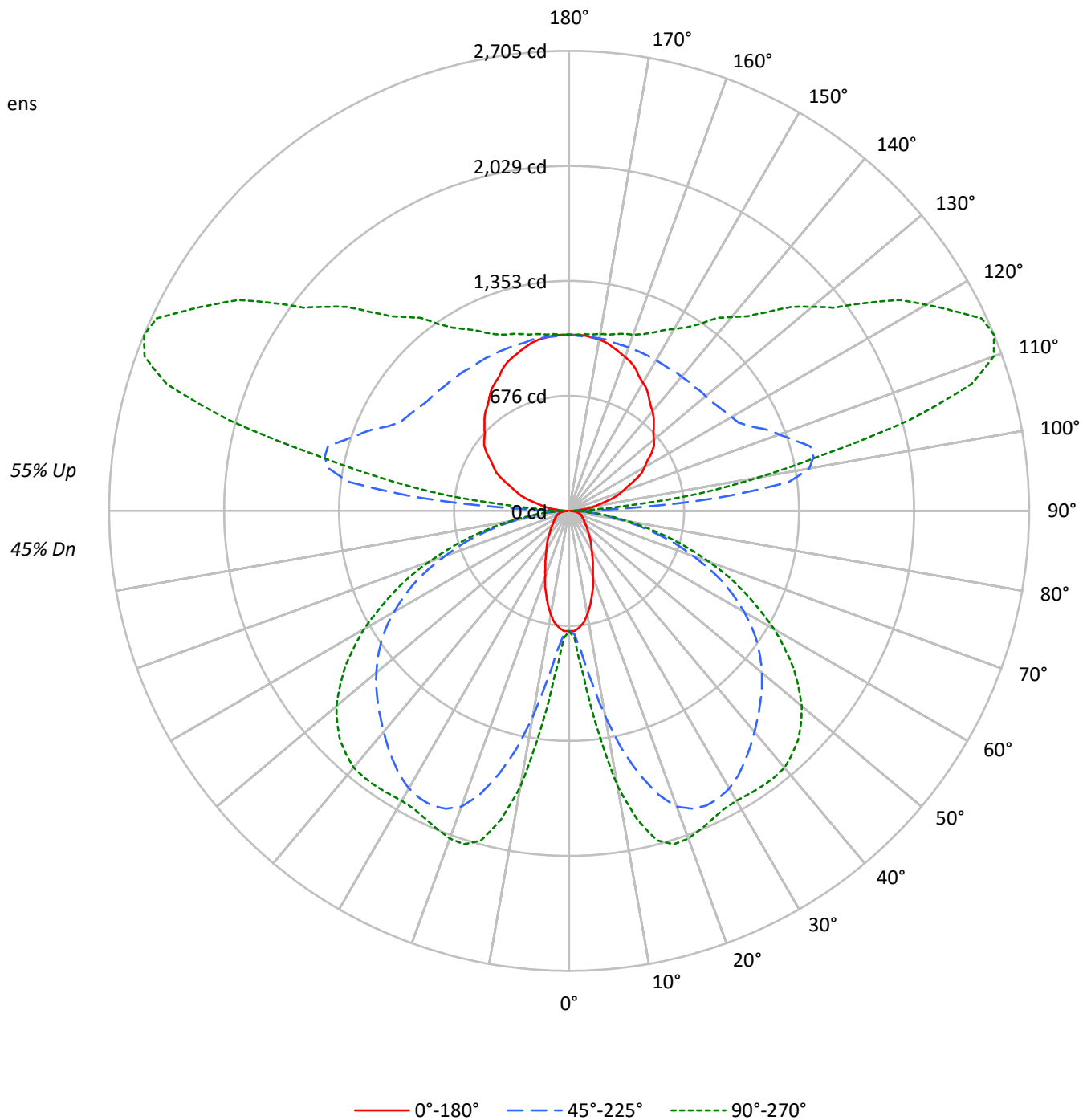
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12187.9 lumens
Efficiency: N/A
Efficacy: 108.0 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): 112.8
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: P938162
CATALOG NUMBER: SQ4-FB-125U-125D-93050-1D-UNV-STD-W-6-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P938162

CATALOG NUMBER: SQ4-FB-125U-125D-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 | 45 |
| 1 | 96 | 92 | 88 | 84 | 88 | 84 | 81 | 77 | 70 | 67 | 65 | 57 | 55 | 53 | 45 | 44 | 42 | 37 |
| 2 | 87 | 79 | 73 | 68 | 79 | 73 | 67 | 63 | 61 | 56 | 53 | 49 | 46 | 44 | 39 | 37 | 35 | 30 |
| 3 | 79 | 69 | 62 | 56 | 72 | 64 | 57 | 52 | 53 | 48 | 44 | 43 | 39 | 36 | 34 | 31 | 29 | 25 |
| 4 | 72 | 61 | 53 | 47 | 66 | 56 | 49 | 43 | 47 | 41 | 37 | 38 | 34 | 31 | 30 | 27 | 25 | 21 |
| 5 | 66 | 54 | 46 | 39 | 60 | 50 | 42 | 37 | 41 | 36 | 31 | 34 | 29 | 26 | 27 | 23 | 21 | 18 |
| 6 | 60 | 48 | 40 | 34 | 55 | 44 | 37 | 31 | 37 | 31 | 27 | 30 | 26 | 23 | 24 | 21 | 18 | 15 |
| 7 | 56 | 43 | 35 | 29 | 51 | 40 | 32 | 27 | 33 | 28 | 23 | 27 | 23 | 20 | 22 | 18 | 16 | 13 |
| 8 | 52 | 39 | 31 | 26 | 47 | 36 | 29 | 24 | 30 | 25 | 21 | 25 | 20 | 17 | 20 | 16 | 14 | 12 |
| 9 | 48 | 35 | 28 | 23 | 44 | 33 | 26 | 21 | 27 | 22 | 18 | 23 | 18 | 15 | 18 | 15 | 12 | 10 |
| 10 | 45 | 32 | 25 | 20 | 41 | 30 | 23 | 19 | 25 | 20 | 16 | 21 | 17 | 14 | 17 | 13 | 11 | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|-------|-------|
| 0° | 4372 | 4372 | 4372 |
| 5° | 4270 | 5052 | 5877 |
| 10° | 3871 | 7363 | 9743 |
| 15° | 3289 | 9617 | 11765 |
| 20° | 2677 | 11142 | 11990 |
| 25° | 2232 | 11657 | 11746 |
| 30° | 1881 | 11727 | 11724 |
| 35° | 1663 | 11529 | 12028 |
| 40° | 1448 | 11273 | 12340 |
| 45° | 1311 | 11084 | 12389 |
| 50° | 1200 | 10914 | 12184 |
| 55° | 1148 | 10666 | 11644 |
| 60° | 1175 | 10193 | 10791 |
| 65° | 1221 | 9476 | 9619 |
| 70° | 1297 | 8258 | 8127 |
| 75° | 1433 | 6728 | 6342 |
| 80° | 1553 | 4659 | 4273 |
| 85° | 1353 | 2469 | 2188 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 12389 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 91.4 | 0.8 |
| 10°-20° | 405.2 | 3.3 |
| 20°-30° | 708.8 | 5.8 |
| 30°-40° | 912.4 | 7.5 |
| 40°-50° | 1019.1 | 8.4 |
| 50°-60° | 976.1 | 8.0 |
| 60°-70° | 773.5 | 6.3 |
| 70°-80° | 454.9 | 3.7 |
| 80°-90° | 130.3 | 1.1 |
| 90°-100° | 505.0 | 4.1 |
| 100°-110° | 1327.7 | 10.9 |
| 110°-120° | 1376.7 | 11.3 |
| 120°-130° | 1104.3 | 9.1 |
| 130°-140° | 866.5 | 7.1 |
| 140°-150° | 665.1 | 5.5 |
| 150°-160° | 478.9 | 3.9 |
| 160°-170° | 293.0 | 2.4 |
| 170°-180° | 99.0 | 0.8 |
| 0°-30° | 1205.4 | 9.9 |
| 0°-40° | 2117.8 | 17.4 |
| 0°-60° | 4112.9 | 33.7 |
| 0°-90° | 5471.6 | 44.9 |
| 90°-120° | 3209.4 | 26.3 |
| 90°-150° | 5845.2 | 48.0 |
| 90°-180° | 6716.0 | 55.1 |
| 0°-180° | 12187.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 707 | 707 | 707 | 707 | 707 | |
| 5° | 689 | 739 | 832 | 941 | 975 | 64 |
| 15° | 516 | 952 | 1604 | 1945 | 2007 | 144 |
| 25° | 330 | 1080 | 1911 | 1995 | 1998 | 152 |
| 35° | 223 | 1032 | 1800 | 1902 | 1977 | 139 |
| 45° | 152 | 823 | 1591 | 1823 | 1904 | 118 |
| 55° | 109 | 523 | 1350 | 1568 | 1611 | 99 |
| 65° | 86 | 277 | 1002 | 1127 | 1143 | 86 |
| 75° | 64 | 170 | 550 | 604 | 607 | 67 |
| 85° | 23 | 52 | 136 | 150 | 152 | 24 |
| 90° | 7 | 19 | 53 | 26 | 26 | 7 |
| 95° | 67 | 261 | 870 | 448 | 305 | 74 |
| 105° | 239 | 362 | 1468 | 2228 | 2079 | 254 |
| 115° | 425 | 516 | 1176 | 2345 | 2677 | 420 |
| 125° | 591 | 663 | 1070 | 1807 | 2132 | 525 |
| 135° | 704 | 775 | 1036 | 1459 | 1654 | 545 |
| 145° | 817 | 869 | 1023 | 1245 | 1342 | 512 |
| 155° | 923 | 949 | 1023 | 1123 | 1156 | 424 |
| 165° | 996 | 1010 | 1023 | 1063 | 1076 | 281 |
| 175° | 1036 | 1036 | 1030 | 1043 | 1043 | 98 |
| 180° | 1036 | 1036 | 1036 | 1036 | 1036 | |



TEST NUMBER: P938162

CATALOG NUMBER: SQ4-FB-125U-125D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 706.8 | 706.8 | 706.8 | 706.8 | 706.8 | 706.8 | 706.8 | 706.8 | 706.8 | 706.8 | 706.8 |
| 2.5° | 706.8 | 706.8 | 711.3 | 713.6 | 718.1 | 720.5 | 724.9 | 729.5 | 743.1 | 745.4 | 750.0 |
| 5° | 688.6 | 697.7 | 727.3 | 738.6 | 770.4 | 813.6 | 831.7 | 861.3 | 922.7 | 940.9 | 952.3 |
| 7.5° | 661.4 | 681.8 | 754.5 | 772.7 | 852.2 | 965.9 | 1013.6 | 1077.2 | 1174.9 | 1222.6 | 1261.3 |
| 10° | 618.1 | 661.4 | 790.8 | 834.1 | 963.6 | 1136.3 | 1225.0 | 1313.6 | 1461.3 | 1527.2 | 1552.2 |
| 12.5° | 570.4 | 640.9 | 829.5 | 888.6 | 1074.9 | 1327.2 | 1434.0 | 1531.7 | 1699.9 | 1788.6 | 1802.2 |
| 15° | 515.9 | 611.3 | 865.9 | 952.3 | 1193.1 | 1486.3 | 1604.5 | 1724.9 | 1881.8 | 1945.3 | 1961.3 |
| 17.5° | 468.2 | 588.6 | 900.0 | 990.8 | 1284.1 | 1629.5 | 1749.9 | 1849.9 | 1977.2 | 2020.4 | 2031.7 |
| 20° | 409.1 | 552.2 | 922.7 | 1040.9 | 1379.5 | 1734.0 | 1849.9 | 1927.2 | 2013.6 | 2040.8 | 2045.3 |
| 22.5° | 365.9 | 513.6 | 936.3 | 1059.1 | 1443.2 | 1797.6 | 1895.4 | 1956.7 | 2015.8 | 2024.9 | 2027.2 |
| 25° | 329.6 | 470.4 | 934.1 | 1079.5 | 1497.7 | 1836.3 | 1911.3 | 1956.7 | 1990.8 | 1995.4 | 1995.4 |
| 27.5° | 295.5 | 422.7 | 924.9 | 1084.0 | 1538.6 | 1845.3 | 1904.4 | 1936.3 | 1952.1 | 1961.3 | 1961.3 |
| 30° | 265.9 | 377.3 | 902.2 | 1074.9 | 1556.8 | 1836.3 | 1884.0 | 1899.9 | 1915.8 | 1929.5 | 1936.3 |
| 32.5° | 243.2 | 334.0 | 868.1 | 1056.7 | 1559.0 | 1813.5 | 1847.7 | 1856.7 | 1879.4 | 1911.3 | 1922.6 |
| 35° | 222.8 | 290.9 | 829.5 | 1031.8 | 1545.4 | 1777.2 | 1799.9 | 1809.0 | 1854.5 | 1902.2 | 1918.1 |
| 37.5° | 202.3 | 259.1 | 779.5 | 988.6 | 1524.9 | 1734.0 | 1749.9 | 1765.8 | 1836.3 | 1893.0 | 1911.3 |
| 40° | 181.8 | 231.8 | 720.5 | 940.9 | 1493.1 | 1681.8 | 1695.4 | 1720.3 | 1813.5 | 1879.4 | 1897.6 |
| 42.5° | 165.9 | 209.1 | 656.8 | 890.8 | 1452.2 | 1622.7 | 1643.1 | 1679.4 | 1786.2 | 1856.7 | 1877.2 |
| 45° | 152.3 | 186.3 | 588.6 | 822.7 | 1399.9 | 1561.2 | 1590.8 | 1640.8 | 1754.5 | 1822.7 | 1840.9 |
| 47.5° | 138.6 | 170.5 | 518.1 | 752.2 | 1343.1 | 1499.9 | 1538.6 | 1595.4 | 1711.3 | 1777.2 | 1793.1 |
| 50° | 127.2 | 154.5 | 447.7 | 677.2 | 1281.7 | 1434.0 | 1479.5 | 1538.6 | 1656.8 | 1718.1 | 1738.5 |
| 52.5° | 118.2 | 140.9 | 381.8 | 602.3 | 1211.3 | 1365.8 | 1418.1 | 1479.5 | 1590.8 | 1649.9 | 1663.6 |
| 55° | 109.0 | 129.6 | 325.0 | 522.7 | 1138.6 | 1293.1 | 1350.0 | 1409.0 | 1518.1 | 1568.1 | 1577.2 |
| 57.5° | 104.6 | 120.4 | 277.3 | 447.7 | 1061.3 | 1211.3 | 1274.9 | 1329.4 | 1431.8 | 1470.4 | 1479.5 |
| 60° | 97.7 | 113.6 | 240.9 | 384.1 | 977.2 | 1134.0 | 1188.6 | 1243.1 | 1329.4 | 1361.3 | 1368.1 |
| 62.5° | 90.9 | 109.0 | 213.6 | 322.7 | 890.8 | 1043.1 | 1097.7 | 1147.7 | 1220.4 | 1243.1 | 1252.2 |
| 65° | 86.4 | 104.6 | 193.2 | 277.3 | 802.2 | 947.7 | 1002.2 | 1045.4 | 1104.5 | 1127.2 | 1131.8 |
| 67.5° | 81.8 | 100.0 | 177.3 | 238.6 | 713.6 | 852.2 | 893.2 | 934.1 | 979.5 | 1002.2 | 1004.5 |
| 70° | 75.0 | 95.4 | 163.7 | 211.4 | 622.7 | 743.1 | 777.2 | 820.4 | 856.8 | 868.1 | 875.0 |
| 72.5° | 70.5 | 88.6 | 154.5 | 190.9 | 529.5 | 638.6 | 670.4 | 695.4 | 727.3 | 738.6 | 738.6 |
| 75° | 63.7 | 79.5 | 145.5 | 170.5 | 434.0 | 522.7 | 550.0 | 575.0 | 599.9 | 604.5 | 597.7 |
| 77.5° | 56.9 | 70.5 | 125.0 | 143.2 | 338.6 | 413.6 | 436.4 | 450.0 | 470.4 | 475.0 | 477.3 |
| 80° | 47.7 | 61.3 | 97.7 | 111.4 | 245.4 | 304.5 | 320.4 | 331.8 | 350.0 | 350.0 | 354.5 |
| 82.5° | 36.3 | 47.7 | 70.5 | 79.5 | 165.9 | 209.1 | 222.8 | 229.6 | 240.9 | 240.9 | 240.9 |
| 85° | 22.7 | 29.5 | 45.5 | 52.3 | 100.0 | 127.2 | 136.4 | 138.6 | 147.7 | 150.0 | 150.0 |
| 87.5° | 11.4 | 15.9 | 29.5 | 31.8 | 52.3 | 65.9 | 65.9 | 70.5 | 70.5 | 68.2 | 65.9 |
| 90° | 7.0 | 12.5 | 18.1 | 19.4 | 30.5 | 45.4 | 52.8 | 46.9 | 35.2 | 26.4 | 26.4 |
| 92.5° | 27.8 | 75.1 | 122.4 | 134.2 | 188.6 | 261.3 | 297.6 | 260.8 | 187.3 | 132.1 | 126.9 |
| 95° | 66.8 | 153.3 | 239.8 | 261.4 | 464.2 | 734.7 | 869.9 | 776.2 | 588.9 | 448.5 | 432.5 |
| 97.5° | 115.4 | 191.7 | 268.1 | 287.1 | 625.3 | 1076.3 | 1301.7 | 1242.5 | 1124.2 | 1035.3 | 1005.1 |
| 100° | 153.0 | 222.2 | 291.4 | 308.7 | 683.9 | 1184.3 | 1434.5 | 1438.8 | 1447.5 | 1453.9 | 1417.8 |
| 102.5° | 185.0 | 249.5 | 314.2 | 330.3 | 710.9 | 1218.3 | 1472.0 | 1547.4 | 1698.2 | 1811.3 | 1780.4 |
| 105° | 239.2 | 293.9 | 348.5 | 362.2 | 730.8 | 1222.2 | 1467.9 | 1636.9 | 1975.0 | 2228.5 | 2211.9 |
| 107.5° | 294.8 | 345.8 | 396.8 | 409.5 | 734.5 | 1167.8 | 1384.4 | 1620.2 | 2091.8 | 2445.5 | 2449.5 |
| 110° | 332.3 | 378.4 | 424.4 | 435.9 | 728.9 | 1119.5 | 1314.9 | 1578.4 | 2105.7 | 2501.1 | 2518.4 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 369.2 | 413.1 | 457.0 | 468.0 | 729.1 | 1077.4 | 1251.6 | 1521.3 | 2060.9 | 2465.6 | 2492.2 |
| 115° | 424.8 | 465.3 | 505.9 | 516.0 | 735.9 | 1029.2 | 1175.8 | 1435.7 | 1955.5 | 2345.4 | 2382.2 |
| 117.5° | 479.8 | 516.6 | 553.3 | 562.5 | 749.6 | 998.9 | 1123.6 | 1358.2 | 1827.3 | 2179.2 | 2220.0 |
| 120° | 511.8 | 546.4 | 581.0 | 589.7 | 760.7 | 988.7 | 1102.8 | 1317.1 | 1745.7 | 2067.2 | 2106.9 |
| 122.5° | 543.1 | 578.0 | 612.9 | 621.6 | 776.7 | 983.4 | 1086.8 | 1279.8 | 1665.8 | 1955.3 | 1994.4 |
| 125° | 591.0 | 622.9 | 654.7 | 662.6 | 798.3 | 979.0 | 1069.5 | 1233.4 | 1561.2 | 1807.2 | 1843.3 |
| 127.5° | 629.9 | 662.1 | 694.2 | 702.3 | 819.8 | 976.5 | 1054.9 | 1195.6 | 1477.2 | 1688.3 | 1718.7 |
| 130° | 650.8 | 685.5 | 720.0 | 728.7 | 835.5 | 977.9 | 1049.2 | 1174.6 | 1425.2 | 1613.2 | 1641.3 |
| 132.5° | 672.4 | 707.0 | 741.6 | 750.3 | 848.3 | 979.0 | 1044.4 | 1156.6 | 1380.9 | 1549.2 | 1574.3 |
| 135° | 704.3 | 735.9 | 767.4 | 775.3 | 862.2 | 978.1 | 1036.1 | 1130.0 | 1317.9 | 1458.8 | 1480.5 |
| 137.5° | 737.0 | 768.3 | 799.5 | 807.3 | 883.0 | 984.1 | 1034.6 | 1114.0 | 1272.9 | 1392.0 | 1409.8 |
| 140° | 764.1 | 792.9 | 821.6 | 828.8 | 895.8 | 985.1 | 1029.8 | 1098.4 | 1235.6 | 1338.5 | 1355.1 |
| 142.5° | 785.0 | 811.6 | 838.2 | 844.8 | 906.5 | 988.7 | 1029.8 | 1090.0 | 1210.6 | 1301.0 | 1315.3 |
| 145° | 817.0 | 840.2 | 863.3 | 869.2 | 920.4 | 988.7 | 1022.8 | 1072.1 | 1170.7 | 1244.7 | 1255.5 |
| 147.5° | 849.0 | 871.6 | 894.1 | 899.8 | 940.8 | 995.5 | 1022.8 | 1061.6 | 1139.2 | 1197.4 | 1206.3 |
| 150° | 869.9 | 890.3 | 910.6 | 915.7 | 951.4 | 999.0 | 1022.8 | 1055.6 | 1121.1 | 1170.3 | 1177.5 |
| 152.5° | 891.4 | 906.9 | 922.4 | 926.2 | 958.4 | 1001.3 | 1022.8 | 1050.7 | 1106.7 | 1148.7 | 1154.1 |
| 155° | 923.4 | 934.9 | 946.3 | 949.1 | 973.7 | 1006.4 | 1022.8 | 1045.1 | 1089.6 | 1123.0 | 1126.7 |
| 157.5° | 947.1 | 958.2 | 969.3 | 972.0 | 989.0 | 1011.5 | 1022.8 | 1040.1 | 1074.7 | 1100.7 | 1103.2 |
| 160° | 963.0 | 971.7 | 980.4 | 982.5 | 995.9 | 1013.9 | 1022.8 | 1037.7 | 1067.3 | 1089.6 | 1091.0 |
| 162.5° | 979.0 | 985.5 | 992.0 | 993.6 | 1003.4 | 1016.4 | 1022.8 | 1035.3 | 1060.3 | 1079.1 | 1080.6 |
| 165° | 996.4 | 1002.3 | 1008.2 | 1009.6 | 1014.0 | 1019.8 | 1022.8 | 1031.8 | 1049.8 | 1063.2 | 1064.6 |
| 167.5° | 1012.4 | 1015.2 | 1018.0 | 1018.7 | 1022.4 | 1027.3 | 1029.8 | 1035.7 | 1047.4 | 1056.2 | 1056.8 |
| 170° | 1022.8 | 1025.6 | 1028.4 | 1029.1 | 1029.3 | 1029.6 | 1029.8 | 1035.7 | 1047.4 | 1056.2 | 1056.2 |
| 172.5° | 1028.4 | 1029.0 | 1029.6 | 1029.8 | 1029.8 | 1029.8 | 1029.8 | 1034.4 | 1043.7 | 1050.6 | 1050.1 |
| 175° | 1036.1 | 1036.1 | 1036.1 | 1036.1 | 1034.0 | 1031.2 | 1029.8 | 1032.7 | 1038.7 | 1043.0 | 1043.0 |
| 177.5° | 1036.1 | 1036.1 | 1036.1 | 1036.1 | 1034.4 | 1032.2 | 1031.1 | 1033.5 | 1038.1 | 1041.6 | 1041.0 |
| 180° | 1036.1 | 1036.1 | 1036.1 | 1036.1 | 1036.1 | 1036.1 | 1036.1 | 1036.1 | 1036.1 | 1036.1 | 1036.1 |



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CATALOG NUMBER: SQ4-FB-125U-125D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 706.8 | 706.8 |
| 2.5° | 754.5 | 750.0 |
| 5° | 970.4 | 975.0 |
| 7.5° | 1306.8 | 1304.5 |
| 10° | 1624.9 | 1645.4 |
| 12.5° | 1856.7 | 1861.3 |
| 15° | 1997.6 | 2006.8 |
| 17.5° | 2052.1 | 2054.5 |
| 20° | 2054.5 | 2049.9 |
| 22.5° | 2029.4 | 2024.9 |
| 25° | 1999.9 | 1997.6 |
| 27.5° | 1972.6 | 1974.9 |
| 30° | 1961.3 | 1968.1 |
| 32.5° | 1961.3 | 1972.6 |
| 35° | 1965.8 | 1977.2 |
| 37.5° | 1963.5 | 1977.2 |
| 40° | 1954.5 | 1970.3 |
| 42.5° | 1929.5 | 1940.9 |
| 45° | 1890.8 | 1904.4 |
| 47.5° | 1840.9 | 1849.9 |
| 50° | 1777.2 | 1786.2 |
| 52.5° | 1697.6 | 1699.9 |
| 55° | 1602.2 | 1611.3 |
| 57.5° | 1499.9 | 1502.2 |
| 60° | 1386.3 | 1393.1 |
| 62.5° | 1265.9 | 1265.9 |
| 65° | 1138.6 | 1143.1 |
| 67.5° | 1006.8 | 1018.1 |
| 70° | 872.7 | 875.0 |
| 72.5° | 740.9 | 740.9 |
| 75° | 604.5 | 606.8 |
| 77.5° | 475.0 | 475.0 |
| 80° | 352.2 | 354.5 |
| 82.5° | 243.2 | 247.7 |
| 85° | 152.3 | 152.3 |
| 87.5° | 70.5 | 63.7 |
| 90° | 26.4 | 26.4 |
| 92.5° | 105.8 | 84.8 |
| 95° | 368.9 | 305.2 |
| 97.5° | 883.9 | 762.8 |
| 100° | 1273.6 | 1129.3 |
| 102.5° | 1656.8 | 1533.2 |
| 105° | 2145.4 | 2079.0 |
| 107.5° | 2465.5 | 2481.6 |
| 110° | 2587.6 | 2656.8 |



TEST NUMBER: P938162

CATALOG NUMBER: SQ4-FB-125U-125D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 2598.5 | 2704.8 |
| 115° | 2529.6 | 2677.0 |
| 117.5° | 2383.5 | 2547.0 |
| 120° | 2265.8 | 2424.6 |
| 122.5° | 2151.1 | 2307.8 |
| 125° | 1987.6 | 2131.9 |
| 127.5° | 1840.5 | 1962.3 |
| 130° | 1753.8 | 1866.3 |
| 132.5° | 1675.1 | 1775.9 |
| 135° | 1567.3 | 1654.2 |
| 137.5° | 1480.8 | 1551.9 |
| 140° | 1421.6 | 1488.0 |
| 142.5° | 1372.4 | 1429.6 |
| 145° | 1298.7 | 1342.0 |
| 147.5° | 1242.2 | 1278.1 |
| 150° | 1206.6 | 1235.6 |
| 152.5° | 1176.1 | 1198.0 |
| 155° | 1141.2 | 1155.7 |
| 157.5° | 1113.4 | 1123.6 |
| 160° | 1096.9 | 1102.8 |
| 162.5° | 1086.1 | 1091.7 |
| 165° | 1070.5 | 1076.3 |
| 167.5° | 1059.2 | 1061.8 |
| 170° | 1056.2 | 1056.2 |
| 172.5° | 1048.0 | 1045.8 |
| 175° | 1043.0 | 1043.0 |
| 177.5° | 1038.6 | 1036.1 |
| 180° | 1036.1 | 1036.1 |



TEST NUMBER: P938162

CATALOG NUMBER: SQ4-FB-125U-125D-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 | 5.64 | 6.49 | 6.63 | 7.50 | 8.84 | 18.81 | 19.66 | 19.80 | 20.67 | 22.01 |
| | 3H | 6.35 | 7.11 | 7.35 | 8.13 | 9.49 | 20.64 | 21.40 | 21.64 | 22.42 | 23.78 |
| | 4H | 6.64 | 7.37 | 7.66 | 8.39 | 9.76 | 21.28 | 22.01 | 22.30 | 23.03 | 24.39 |
| | 6H | 6.89 | 7.56 | 7.92 | 8.59 | 9.97 | 21.71 | 22.38 | 22.73 | 23.40 | 24.78 |
| | 8H | 6.96 | 7.60 | 7.99 | 8.64 | 10.02 | 21.83 | 22.46 | 22.86 | 23.50 | 24.88 |
| | 12H | 6.98 | 7.58 | 8.02 | 8.62 | 10.02 | 21.89 | 22.50 | 22.93 | 23.53 | 24.93 |
| 4H | 2H | 12.85 | 13.57 | 13.87 | 14.59 | 15.96 | 19.08 | 19.80 | 20.10 | 20.83 | 22.19 |
| | 3H | 14.41 | 15.02 | 15.45 | 16.07 | 17.45 | 21.12 | 21.73 | 22.15 | 22.78 | 24.16 |
| | 4H | 14.51 | 15.07 | 15.55 | 16.11 | 17.51 | 21.88 | 22.44 | 22.92 | 23.48 | 24.88 |
| | 6H | 14.52 | 15.00 | 15.57 | 16.06 | 17.46 | 22.42 | 22.90 | 23.47 | 23.96 | 25.36 |
| | 8H | 14.50 | 14.94 | 15.55 | 16.00 | 17.42 | 22.58 | 23.02 | 23.63 | 24.08 | 25.50 |
| | 12H | 14.45 | 14.86 | 15.52 | 15.93 | 17.35 | 22.67 | 23.07 | 23.74 | 24.14 | 25.56 |
| 8H | 4H | 15.95 | 16.40 | 17.00 | 17.45 | 18.87 | 21.94 | 22.39 | 22.99 | 23.45 | 24.86 |
| | 6H | 16.19 | 16.56 | 17.26 | 17.66 | 19.07 | 22.57 | 22.94 | 23.64 | 24.04 | 25.45 |
| | 8H | 16.21 | 16.54 | 17.29 | 17.62 | 19.05 | 22.78 | 23.11 | 23.86 | 24.19 | 25.62 |
| | 12H | 16.18 | 16.46 | 17.26 | 17.54 | 19.01 | 22.92 | 23.21 | 24.01 | 24.29 | 25.76 |
| 12H | 4H | 16.09 | 16.50 | 17.16 | 17.57 | 18.99 | 21.89 | 22.30 | 22.96 | 23.37 | 24.79 |
| | 6H | 16.45 | 16.78 | 17.53 | 17.86 | 19.29 | 22.55 | 22.88 | 23.63 | 23.96 | 25.39 |
| | 8H | 16.52 | 16.80 | 17.60 | 17.88 | 19.35 | 22.78 | 23.06 | 23.86 | 24.14 | 25.61 |