

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: P938024

Luminaire Tested: SQ4-FB-125U-100D-927-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P938024
REPORT IS A COMBINATION OF REPORTS P933615 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-125U-100D-927-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

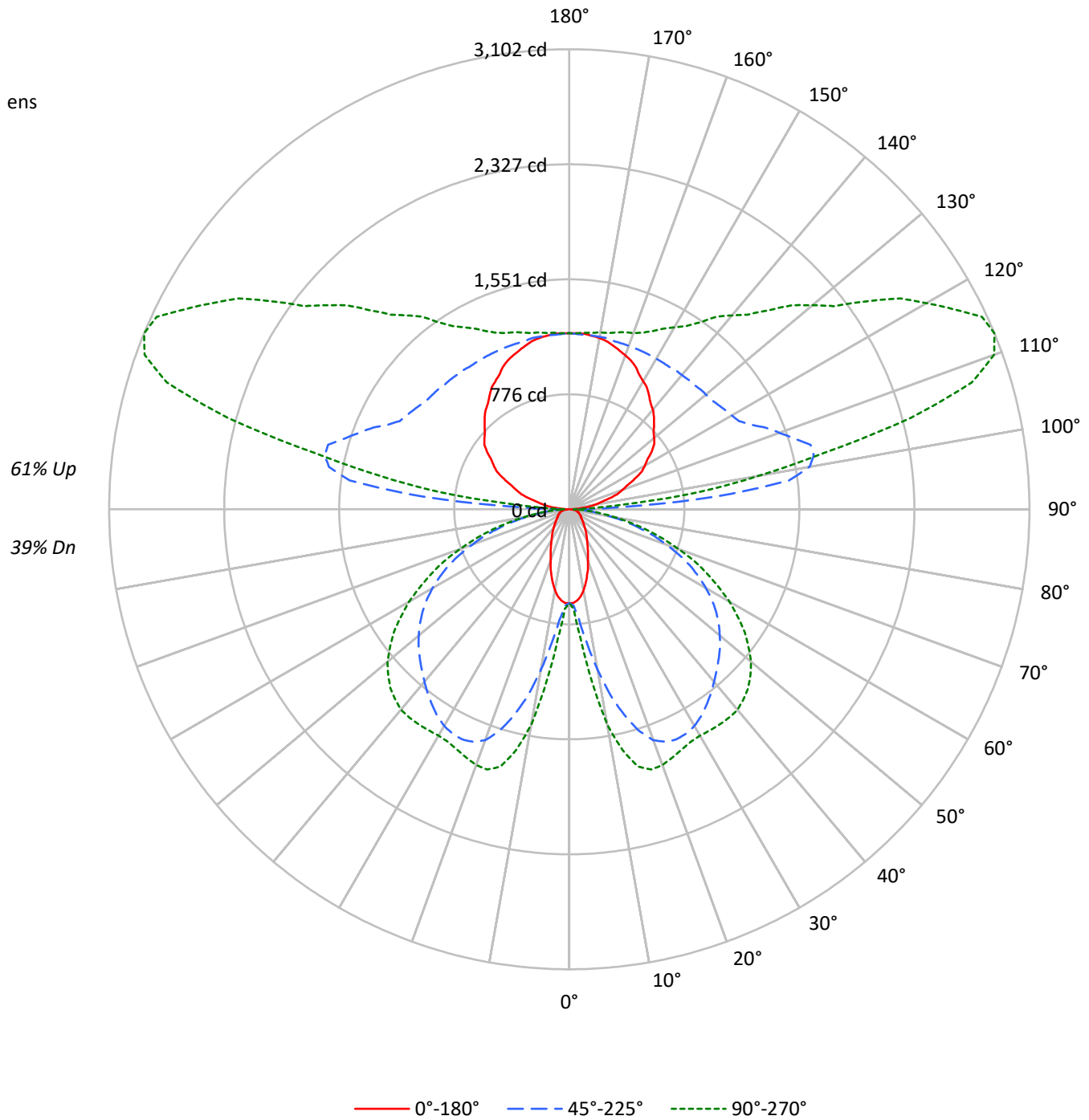
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12601.9 lumens
Efficiency: N/A
Efficacy: 97.8 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: Semi-Indirect

Input Watts (W): 128.8
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: P938024
CATALOG NUMBER: SQ4-FB-125U-100D-927-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P938024

CATALOG NUMBER: SQ4-FB-125U-100D-927-1D-UNV-STD-W-8

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 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 104 | 104 | 104 | 104 | 95 | 95 | 95 | 95 | 77 | 77 | 77 | 61 | 61 | 61 | 46 | 46 | 46 | 39 | | | 39 |
| 1 | 95 | 90 | 86 | 83 | 86 | 82 | 79 | 76 | 67 | 65 | 62 | 53 | 51 | 50 | 40 | 39 | 38 | 32 | | | 32 |
| 2 | 86 | 78 | 72 | 67 | 78 | 71 | 66 | 61 | 58 | 54 | 51 | 46 | 43 | 41 | 35 | 33 | 31 | 26 | | | 26 |
| 3 | 78 | 68 | 61 | 55 | 71 | 62 | 56 | 51 | 51 | 46 | 42 | 40 | 37 | 34 | 30 | 28 | 26 | 21 | | | 21 |
| 4 | 71 | 60 | 52 | 46 | 64 | 55 | 48 | 42 | 45 | 40 | 35 | 35 | 32 | 29 | 27 | 24 | 22 | 18 | | | 18 |
| 5 | 65 | 53 | 45 | 39 | 59 | 49 | 41 | 36 | 40 | 34 | 30 | 31 | 27 | 24 | 24 | 21 | 19 | 15 | | | 15 |
| 6 | 60 | 47 | 39 | 33 | 54 | 43 | 36 | 31 | 35 | 30 | 26 | 28 | 24 | 21 | 21 | 18 | 16 | 13 | | | 13 |
| 7 | 55 | 43 | 35 | 29 | 50 | 39 | 32 | 27 | 32 | 26 | 23 | 25 | 21 | 18 | 19 | 16 | 14 | 11 | | | 11 |
| 8 | 51 | 38 | 31 | 25 | 46 | 35 | 28 | 23 | 29 | 24 | 20 | 23 | 19 | 16 | 18 | 15 | 13 | 10 | | | 10 |
| 9 | 47 | 35 | 27 | 22 | 43 | 32 | 25 | 21 | 26 | 21 | 17 | 21 | 17 | 14 | 16 | 13 | 11 | 9 | | | 9 |
| 10 | 44 | 32 | 25 | 20 | 40 | 29 | 23 | 18 | 24 | 19 | 16 | 19 | 15 | 13 | 15 | 12 | 10 | 8 | | | 8 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2936 | 2936 | 2936 |
| 5° | 2868 | 3393 | 3946 |
| 10° | 2602 | 4947 | 6543 |
| 15° | 2211 | 6463 | 7901 |
| 20° | 1800 | 7489 | 8052 |
| 25° | 1502 | 7837 | 7888 |
| 30° | 1266 | 7887 | 7873 |
| 35° | 1120 | 7756 | 8077 |
| 40° | 976 | 7586 | 8287 |
| 45° | 884 | 7461 | 8320 |
| 50° | 811 | 7349 | 8182 |
| 55° | 776 | 7185 | 7819 |
| 60° | 795 | 6869 | 7247 |
| 65° | 826 | 6390 | 6460 |
| 70° | 880 | 5572 | 5457 |
| 75° | 976 | 4543 | 4259 |
| 80° | 1065 | 3151 | 2870 |
| 85° | 946 | 1672 | 1469 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 8320 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 81.9 | 0.6 |
| 10°-20° | 362.8 | 2.9 |
| 20°-30° | 634.6 | 5.0 |
| 30°-40° | 816.9 | 6.5 |
| 40°-50° | 912.5 | 7.2 |
| 50°-60° | 873.9 | 6.9 |
| 60°-70° | 692.6 | 5.5 |
| 70°-80° | 407.3 | 3.2 |
| 80°-90° | 117.7 | 0.9 |
| 90°-100° | 579.1 | 4.6 |
| 100°-110° | 1522.5 | 12.1 |
| 110°-120° | 1578.7 | 12.5 |
| 120°-130° | 1266.3 | 10.0 |
| 130°-140° | 993.6 | 7.9 |
| 140°-150° | 762.6 | 6.1 |
| 150°-160° | 549.2 | 4.4 |
| 160°-170° | 336.0 | 2.7 |
| 170°-180° | 113.5 | 0.9 |
| 0°-30° | 1079.3 | 8.6 |
| 0°-40° | 1896.2 | 15.0 |
| 0°-60° | 3682.6 | 29.2 |
| 0°-90° | 4900.2 | 38.9 |
| 90°-120° | 3680.3 | 29.2 |
| 90°-150° | 6702.9 | 53.2 |
| 90°-180° | 7702.0 | 61.1 |
| 0°-180° | 12601.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 633 | 633 | 633 | 633 | 633 | |
| 5° | 616 | 661 | 745 | 842 | 873 | 57 |
| 15° | 462 | 853 | 1437 | 1742 | 1797 | 129 |
| 25° | 295 | 967 | 1711 | 1787 | 1789 | 136 |
| 35° | 199 | 924 | 1612 | 1703 | 1770 | 125 |
| 45° | 136 | 737 | 1424 | 1632 | 1705 | 105 |
| 55° | 98 | 468 | 1209 | 1404 | 1443 | 89 |
| 65° | 77 | 248 | 897 | 1009 | 1024 | 77 |
| 75° | 57 | 153 | 492 | 541 | 543 | 60 |
| 85° | 20 | 47 | 122 | 134 | 136 | 22 |
| 90° | 8 | 22 | 61 | 30 | 30 | 8 |
| 95° | 76 | 300 | 998 | 514 | 350 | 85 |
| 105° | 274 | 415 | 1683 | 2556 | 2384 | 291 |
| 115° | 487 | 592 | 1348 | 2690 | 3070 | 481 |
| 125° | 678 | 760 | 1226 | 2072 | 2445 | 602 |
| 135° | 808 | 889 | 1188 | 1673 | 1897 | 625 |
| 145° | 937 | 997 | 1173 | 1427 | 1539 | 587 |
| 155° | 1059 | 1088 | 1173 | 1288 | 1325 | 487 |
| 165° | 1143 | 1158 | 1173 | 1219 | 1234 | 322 |
| 175° | 1188 | 1188 | 1181 | 1196 | 1196 | 113 |
| 180° | 1188 | 1188 | 1188 | 1188 | 1188 | |



TEST NUMBER: P938024

CATALOG NUMBER: SQ4-FB-125U-100D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 632.9 | 632.9 | 632.9 | 632.9 | 632.9 | 632.9 | 632.9 | 632.9 | 632.9 | 632.9 | 632.9 |
| 2.5° | 632.9 | 632.9 | 636.9 | 638.9 | 643.0 | 645.0 | 649.1 | 653.2 | 665.4 | 667.4 | 671.5 |
| 5° | 616.5 | 624.7 | 651.2 | 661.4 | 689.8 | 728.5 | 744.7 | 771.2 | 826.1 | 842.5 | 852.6 |
| 7.5° | 592.1 | 610.5 | 675.6 | 691.8 | 763.1 | 864.8 | 907.5 | 964.5 | 1052.1 | 1094.8 | 1129.4 |
| 10° | 553.5 | 592.1 | 708.2 | 746.8 | 862.8 | 1017.4 | 1096.8 | 1176.2 | 1308.4 | 1367.4 | 1389.8 |
| 12.5° | 510.7 | 573.8 | 742.7 | 795.6 | 962.5 | 1188.3 | 1284.0 | 1371.5 | 1522.1 | 1601.4 | 1613.6 |
| 15° | 461.9 | 547.4 | 775.3 | 852.6 | 1068.3 | 1330.8 | 1436.6 | 1544.5 | 1684.8 | 1741.8 | 1756.1 |
| 17.5° | 419.2 | 527.1 | 805.8 | 887.2 | 1149.7 | 1459.0 | 1566.9 | 1656.3 | 1770.3 | 1809.0 | 1819.2 |
| 20° | 366.3 | 494.5 | 826.1 | 931.9 | 1235.2 | 1552.6 | 1656.3 | 1725.6 | 1802.9 | 1827.3 | 1831.4 |
| 22.5° | 327.6 | 459.8 | 838.4 | 948.3 | 1292.1 | 1609.6 | 1697.1 | 1752.0 | 1805.0 | 1813.0 | 1815.1 |
| 25° | 295.1 | 421.2 | 836.3 | 966.6 | 1341.0 | 1644.2 | 1711.3 | 1752.0 | 1782.6 | 1786.6 | 1786.6 |
| 27.5° | 264.5 | 378.5 | 828.2 | 970.7 | 1377.6 | 1652.3 | 1705.2 | 1733.7 | 1748.0 | 1756.1 | 1756.1 |
| 30° | 238.1 | 337.8 | 807.8 | 962.5 | 1393.9 | 1644.2 | 1686.9 | 1701.2 | 1715.4 | 1727.6 | 1733.7 |
| 32.5° | 217.8 | 299.1 | 777.3 | 946.2 | 1395.9 | 1623.9 | 1654.3 | 1662.5 | 1682.8 | 1711.3 | 1721.5 |
| 35° | 199.4 | 260.5 | 742.7 | 923.8 | 1383.7 | 1591.3 | 1611.6 | 1619.8 | 1660.4 | 1703.2 | 1717.4 |
| 37.5° | 181.1 | 232.0 | 697.9 | 885.2 | 1365.4 | 1552.6 | 1566.9 | 1581.1 | 1644.2 | 1695.0 | 1711.3 |
| 40° | 162.8 | 207.6 | 645.0 | 842.5 | 1336.9 | 1505.8 | 1518.0 | 1540.4 | 1623.9 | 1682.8 | 1699.1 |
| 42.5° | 148.5 | 187.2 | 588.0 | 797.6 | 1300.3 | 1452.9 | 1471.2 | 1503.7 | 1599.4 | 1662.5 | 1680.8 |
| 45° | 136.4 | 166.9 | 527.1 | 736.6 | 1253.5 | 1397.9 | 1424.4 | 1469.2 | 1570.9 | 1631.9 | 1648.3 |
| 47.5° | 124.1 | 152.6 | 463.9 | 673.5 | 1202.6 | 1343.0 | 1377.6 | 1428.5 | 1532.2 | 1591.3 | 1605.5 |
| 50° | 114.0 | 138.4 | 400.9 | 606.4 | 1147.7 | 1284.0 | 1324.7 | 1377.6 | 1483.4 | 1538.4 | 1556.6 |
| 52.5° | 105.8 | 126.1 | 341.9 | 539.2 | 1084.5 | 1222.9 | 1269.7 | 1324.7 | 1424.4 | 1477.3 | 1489.5 |
| 55° | 97.6 | 116.0 | 291.0 | 468.0 | 1019.5 | 1157.8 | 1208.7 | 1261.6 | 1359.3 | 1404.0 | 1412.2 |
| 57.5° | 93.6 | 107.9 | 248.2 | 400.9 | 950.3 | 1084.5 | 1141.5 | 1190.4 | 1282.0 | 1316.5 | 1324.7 |
| 60° | 87.5 | 101.7 | 215.7 | 343.9 | 875.0 | 1015.4 | 1064.2 | 1113.0 | 1190.4 | 1218.9 | 1225.0 |
| 62.5° | 81.4 | 97.6 | 191.3 | 289.0 | 797.6 | 934.0 | 982.8 | 1027.6 | 1092.7 | 1113.0 | 1121.2 |
| 65° | 77.3 | 93.6 | 172.9 | 248.2 | 718.3 | 848.5 | 897.4 | 936.0 | 988.9 | 1009.3 | 1013.4 |
| 67.5° | 73.2 | 89.6 | 158.7 | 213.7 | 638.9 | 763.1 | 799.7 | 836.3 | 877.0 | 897.4 | 899.4 |
| 70° | 67.1 | 85.5 | 146.5 | 189.3 | 557.6 | 665.4 | 695.9 | 734.6 | 767.2 | 777.3 | 783.4 |
| 72.5° | 63.1 | 79.4 | 138.4 | 170.9 | 474.1 | 571.8 | 600.3 | 622.7 | 651.2 | 661.4 | 661.4 |
| 75° | 57.0 | 71.2 | 130.2 | 152.6 | 388.7 | 468.0 | 492.4 | 514.8 | 537.2 | 541.3 | 535.2 |
| 77.5° | 50.9 | 63.1 | 111.9 | 128.2 | 303.2 | 370.4 | 390.7 | 402.9 | 421.2 | 425.3 | 427.4 |
| 80° | 42.7 | 55.0 | 87.5 | 99.7 | 219.8 | 272.7 | 286.9 | 297.1 | 313.4 | 313.4 | 317.5 |
| 82.5° | 32.6 | 42.7 | 63.1 | 71.2 | 148.5 | 187.2 | 199.4 | 205.5 | 215.7 | 215.7 | 215.7 |
| 85° | 20.3 | 26.5 | 40.7 | 46.8 | 89.6 | 114.0 | 122.1 | 124.1 | 132.3 | 134.3 | 134.3 |
| 87.5° | 10.2 | 14.2 | 26.5 | 28.5 | 46.8 | 59.0 | 59.0 | 63.1 | 63.1 | 61.1 | 59.0 |
| 90° | 8.0 | 14.4 | 20.7 | 22.3 | 35.1 | 52.1 | 60.6 | 53.8 | 40.3 | 30.3 | 30.3 |
| 92.5° | 31.9 | 86.1 | 140.4 | 153.9 | 216.4 | 299.6 | 341.3 | 299.1 | 214.8 | 151.5 | 145.5 |
| 95° | 76.5 | 175.8 | 275.0 | 299.8 | 532.4 | 842.5 | 997.5 | 890.1 | 675.4 | 514.3 | 496.0 |
| 97.5° | 132.4 | 219.9 | 307.5 | 329.3 | 717.1 | 1234.2 | 1492.6 | 1424.8 | 1289.1 | 1187.3 | 1152.5 |
| 100° | 175.4 | 254.8 | 334.2 | 354.0 | 784.3 | 1358.0 | 1645.0 | 1649.9 | 1659.8 | 1667.3 | 1625.9 |
| 102.5° | 212.1 | 286.1 | 360.2 | 378.8 | 815.2 | 1397.1 | 1688.0 | 1774.5 | 1947.4 | 2077.1 | 2041.7 |
| 105° | 274.3 | 337.0 | 399.7 | 415.4 | 838.0 | 1401.5 | 1683.2 | 1877.0 | 2264.7 | 2555.5 | 2536.5 |
| 107.5° | 338.1 | 396.6 | 455.0 | 469.6 | 842.2 | 1339.1 | 1587.5 | 1857.9 | 2398.7 | 2804.3 | 2808.9 |
| 110° | 381.2 | 434.0 | 486.8 | 500.0 | 835.9 | 1283.8 | 1507.8 | 1810.1 | 2414.6 | 2868.0 | 2887.9 |



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CATALOG NUMBER: SQ4-FB-125U-100D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 423.4 | 473.7 | 524.1 | 536.6 | 836.1 | 1235.5 | 1435.2 | 1744.6 | 2363.3 | 2827.4 | 2857.9 |
| 115° | 487.2 | 533.6 | 580.0 | 591.6 | 843.8 | 1180.2 | 1348.3 | 1646.3 | 2242.4 | 2689.5 | 2731.7 |
| 117.5° | 550.2 | 592.4 | 634.5 | 645.0 | 859.6 | 1145.5 | 1288.5 | 1557.5 | 2095.4 | 2498.9 | 2545.8 |
| 120° | 586.8 | 626.5 | 666.2 | 676.1 | 872.3 | 1133.8 | 1264.6 | 1510.4 | 2001.8 | 2370.5 | 2416.0 |
| 122.5° | 622.7 | 662.7 | 702.8 | 712.8 | 890.6 | 1127.7 | 1246.2 | 1467.5 | 1910.2 | 2242.2 | 2287.1 |
| 125° | 677.8 | 714.3 | 750.8 | 759.8 | 915.3 | 1122.7 | 1226.3 | 1414.3 | 1790.3 | 2072.3 | 2113.6 |
| 127.5° | 722.4 | 759.3 | 796.1 | 805.3 | 940.1 | 1119.7 | 1209.6 | 1371.0 | 1693.8 | 1935.9 | 1970.8 |
| 130° | 746.3 | 786.0 | 825.7 | 835.6 | 958.1 | 1121.5 | 1203.2 | 1346.9 | 1634.3 | 1849.8 | 1882.1 |
| 132.5° | 771.0 | 810.7 | 850.4 | 860.3 | 972.7 | 1122.7 | 1197.6 | 1326.2 | 1583.5 | 1776.5 | 1805.3 |
| 135° | 807.7 | 843.8 | 880.0 | 889.0 | 988.7 | 1121.6 | 1188.0 | 1295.8 | 1511.2 | 1672.8 | 1697.7 |
| 137.5° | 845.2 | 881.0 | 916.8 | 925.7 | 1012.6 | 1128.5 | 1186.4 | 1277.5 | 1459.7 | 1596.3 | 1616.7 |
| 140° | 876.3 | 909.2 | 942.2 | 950.4 | 1027.3 | 1129.7 | 1180.9 | 1259.6 | 1416.9 | 1534.9 | 1553.9 |
| 142.5° | 900.2 | 930.7 | 961.1 | 968.7 | 1039.4 | 1133.7 | 1180.9 | 1249.9 | 1388.2 | 1491.8 | 1508.2 |
| 145° | 936.9 | 963.4 | 990.1 | 996.7 | 1055.4 | 1133.7 | 1172.9 | 1229.4 | 1342.5 | 1427.3 | 1439.7 |
| 147.5° | 973.6 | 999.5 | 1025.3 | 1031.8 | 1078.8 | 1141.5 | 1172.9 | 1217.4 | 1306.3 | 1373.1 | 1383.3 |
| 150° | 997.5 | 1020.9 | 1044.3 | 1050.1 | 1091.0 | 1145.6 | 1172.9 | 1210.4 | 1285.6 | 1342.0 | 1350.3 |
| 152.5° | 1022.2 | 1039.9 | 1057.6 | 1062.1 | 1099.0 | 1148.2 | 1172.9 | 1205.0 | 1269.1 | 1317.2 | 1323.6 |
| 155° | 1058.9 | 1072.0 | 1085.1 | 1088.4 | 1116.6 | 1154.1 | 1172.9 | 1198.4 | 1249.5 | 1287.7 | 1291.9 |
| 157.5° | 1086.0 | 1098.7 | 1111.5 | 1114.7 | 1134.1 | 1159.9 | 1172.9 | 1192.7 | 1232.4 | 1262.2 | 1265.1 |
| 160° | 1104.3 | 1114.3 | 1124.2 | 1126.7 | 1142.1 | 1162.6 | 1172.9 | 1189.9 | 1223.9 | 1249.4 | 1251.1 |
| 162.5° | 1122.7 | 1130.1 | 1137.5 | 1139.4 | 1150.5 | 1165.4 | 1172.9 | 1187.2 | 1215.9 | 1237.5 | 1239.1 |
| 165° | 1142.6 | 1149.4 | 1156.1 | 1157.8 | 1162.8 | 1169.5 | 1172.9 | 1183.2 | 1203.7 | 1219.1 | 1220.8 |
| 167.5° | 1160.9 | 1164.1 | 1167.3 | 1168.1 | 1172.3 | 1178.0 | 1180.9 | 1187.6 | 1201.0 | 1211.1 | 1211.8 |
| 170° | 1172.9 | 1176.1 | 1179.3 | 1180.1 | 1180.3 | 1180.7 | 1180.9 | 1187.6 | 1201.0 | 1211.1 | 1211.1 |
| 172.5° | 1179.3 | 1179.9 | 1180.7 | 1180.9 | 1180.9 | 1180.9 | 1180.9 | 1186.2 | 1196.8 | 1204.8 | 1204.2 |
| 175° | 1188.0 | 1188.0 | 1188.0 | 1188.0 | 1185.6 | 1182.5 | 1180.9 | 1184.3 | 1191.0 | 1196.0 | 1196.0 |
| 177.5° | 1188.0 | 1188.0 | 1188.0 | 1188.0 | 1186.2 | 1183.7 | 1182.5 | 1185.1 | 1190.4 | 1194.4 | 1193.7 |
| 180° | 1188.0 | 1188.0 | 1188.0 | 1188.0 | 1188.0 | 1188.0 | 1188.0 | 1188.0 | 1188.0 | 1188.0 | 1188.0 |



TEST NUMBER: P938024

CATALOG NUMBER: SQ4-FB-125U-100D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 632.9 | 632.9 |
| 2.5° | 675.6 | 671.5 |
| 5° | 868.9 | 872.9 |
| 7.5° | 1170.0 | 1168.0 |
| 10° | 1454.9 | 1473.2 |
| 12.5° | 1662.5 | 1666.6 |
| 15° | 1788.6 | 1796.8 |
| 17.5° | 1837.5 | 1839.5 |
| 20° | 1839.5 | 1835.4 |
| 22.5° | 1817.1 | 1813.0 |
| 25° | 1790.7 | 1788.6 |
| 27.5° | 1766.2 | 1768.3 |
| 30° | 1756.1 | 1762.2 |
| 32.5° | 1756.1 | 1766.2 |
| 35° | 1760.1 | 1770.3 |
| 37.5° | 1758.1 | 1770.3 |
| 40° | 1750.0 | 1764.2 |
| 42.5° | 1727.6 | 1737.7 |
| 45° | 1693.0 | 1705.2 |
| 47.5° | 1648.3 | 1656.3 |
| 50° | 1591.3 | 1599.4 |
| 52.5° | 1520.1 | 1522.1 |
| 55° | 1434.6 | 1442.7 |
| 57.5° | 1343.0 | 1345.0 |
| 60° | 1241.2 | 1247.4 |
| 62.5° | 1133.4 | 1133.4 |
| 65° | 1019.5 | 1023.6 |
| 67.5° | 901.4 | 911.6 |
| 70° | 781.4 | 783.4 |
| 72.5° | 663.4 | 663.4 |
| 75° | 541.3 | 543.3 |
| 77.5° | 425.3 | 425.3 |
| 80° | 315.4 | 317.5 |
| 82.5° | 217.8 | 221.8 |
| 85° | 136.4 | 136.4 |
| 87.5° | 63.1 | 57.0 |
| 90° | 30.3 | 30.3 |
| 92.5° | 121.4 | 97.3 |
| 95° | 423.0 | 350.0 |
| 97.5° | 1013.6 | 874.7 |
| 100° | 1460.4 | 1294.9 |
| 102.5° | 1899.9 | 1758.1 |
| 105° | 2460.2 | 2384.1 |
| 107.5° | 2827.3 | 2845.7 |
| 110° | 2967.3 | 3046.7 |



TEST NUMBER: P938024

CATALOG NUMBER: SQ4-FB-125U-100D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 2979.7 | 3101.6 |
| 115° | 2900.7 | 3069.8 |
| 117.5° | 2733.2 | 2920.7 |
| 120° | 2598.2 | 2780.3 |
| 122.5° | 2466.8 | 2646.4 |
| 125° | 2279.2 | 2444.7 |
| 127.5° | 2110.5 | 2250.1 |
| 130° | 2011.1 | 2140.1 |
| 132.5° | 1920.9 | 2036.4 |
| 135° | 1797.3 | 1896.9 |
| 137.5° | 1698.2 | 1779.7 |
| 140° | 1630.2 | 1706.3 |
| 142.5° | 1573.7 | 1639.3 |
| 145° | 1489.3 | 1538.8 |
| 147.5° | 1424.4 | 1465.5 |
| 150° | 1383.6 | 1416.9 |
| 152.5° | 1348.7 | 1373.8 |
| 155° | 1308.5 | 1325.2 |
| 157.5° | 1276.8 | 1288.5 |
| 160° | 1257.8 | 1264.6 |
| 162.5° | 1245.5 | 1251.9 |
| 165° | 1227.5 | 1234.3 |
| 167.5° | 1214.7 | 1217.5 |
| 170° | 1211.1 | 1211.1 |
| 172.5° | 1201.7 | 1199.2 |
| 175° | 1196.0 | 1196.0 |
| 177.5° | 1190.9 | 1188.0 |
| 180° | 1188.0 | 1188.0 |



TEST NUMBER: P938024
 CATALOG NUMBER: SQ4-FB-125U-100D-927-1D-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 | 3.64 | 4.43 | 4.68 | 5.48 | 6.90 | 16.82 | 17.61 | 17.86 | 18.66 | 20.08 |
| | 3H | 4.34 | 5.05 | 5.39 | 6.11 | 7.55 | 18.65 | 19.37 | 19.70 | 20.43 | 21.86 |
| | 4H | 4.63 | 5.31 | 5.69 | 6.37 | 7.82 | 19.29 | 19.97 | 20.35 | 21.03 | 22.48 |
| | 6H | 4.88 | 5.51 | 5.95 | 6.57 | 8.03 | 19.72 | 20.35 | 20.79 | 21.41 | 22.87 |
| | 8H | 4.95 | 5.54 | 6.02 | 6.62 | 8.08 | 19.84 | 20.44 | 20.91 | 21.52 | 22.97 |
| | 12H | 4.96 | 5.53 | 6.04 | 6.60 | 8.08 | 19.90 | 20.47 | 20.99 | 21.55 | 23.02 |
| 4H | 2H | 10.84 | 11.52 | 11.91 | 12.59 | 14.03 | 17.08 | 17.76 | 18.15 | 18.82 | 20.27 |
| | 3H | 12.41 | 12.97 | 13.48 | 14.06 | 15.52 | 19.12 | 19.69 | 20.20 | 20.78 | 22.24 |
| | 4H | 12.50 | 13.02 | 13.58 | 14.10 | 15.58 | 19.89 | 20.41 | 20.97 | 21.49 | 22.97 |
| | 6H | 12.50 | 12.95 | 13.60 | 14.06 | 15.53 | 20.42 | 20.87 | 21.51 | 21.97 | 23.44 |
| | 8H | 12.48 | 12.90 | 13.57 | 13.99 | 15.48 | 20.58 | 21.00 | 21.67 | 22.10 | 23.59 |
| | 12H | 12.43 | 12.81 | 13.54 | 13.92 | 15.42 | 20.67 | 21.05 | 21.78 | 22.16 | 23.65 |
| 8H | 4H | 13.94 | 14.36 | 15.03 | 15.45 | 16.94 | 19.94 | 20.36 | 21.03 | 21.45 | 22.94 |
| | 6H | 14.18 | 14.52 | 15.29 | 15.66 | 17.15 | 20.57 | 20.91 | 21.68 | 22.05 | 23.54 |
| | 8H | 14.19 | 14.50 | 15.31 | 15.62 | 17.12 | 20.79 | 21.09 | 21.91 | 22.21 | 23.71 |
| | 12H | 14.16 | 14.43 | 15.28 | 15.54 | 17.08 | 20.93 | 21.20 | 22.05 | 22.31 | 23.85 |
| 12H | 4H | 14.08 | 14.46 | 15.19 | 15.57 | 17.06 | 19.89 | 20.27 | 21.00 | 21.38 | 22.87 |
| | 6H | 14.43 | 14.74 | 15.55 | 15.86 | 17.36 | 20.55 | 20.85 | 21.67 | 21.97 | 23.48 |
| | 8H | 14.50 | 14.77 | 15.63 | 15.88 | 17.43 | 20.78 | 21.04 | 21.90 | 22.16 | 23.70 |