

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: P937224

Luminaire Tested: SQ4-FB-075U-100D-927-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P937224
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-927-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

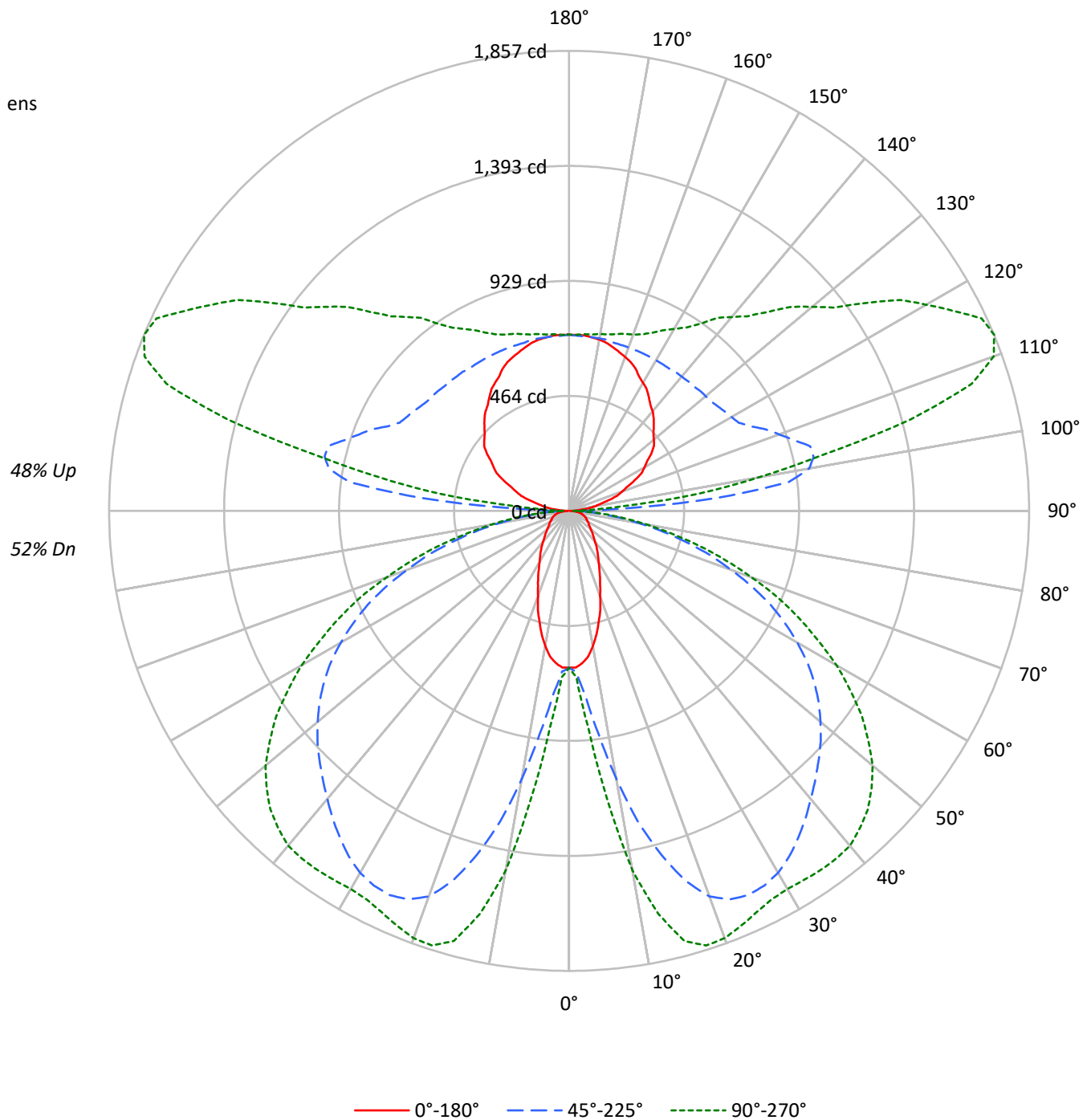
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9509.5 lumens
Efficiency: N/A
Efficacy: 92.9 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): 102.4
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: P937224
CATALOG NUMBER: SQ4-FB-075U-100D-927-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P937224

CATALOG NUMBER: SQ4-FB-075U-100D-927-1D-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 | 108 | 108 | 108 | 108 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 70 | 70 | 70 | 58 | 58 | 58 | 58 | 58 | 58 | 52 |
| 1 | 98 | 93 | 89 | 85 | 90 | 86 | 82 | 79 | 73 | 70 | 68 | 61 | 59 | 57 | 50 | 49 | 47 | 47 | 47 | 47 | 42 |
| 2 | 88 | 80 | 74 | 69 | 81 | 74 | 69 | 64 | 63 | 59 | 55 | 53 | 50 | 47 | 43 | 41 | 39 | 39 | 39 | 39 | 34 |
| 3 | 80 | 70 | 62 | 56 | 74 | 65 | 58 | 53 | 55 | 50 | 46 | 46 | 42 | 39 | 38 | 35 | 32 | 32 | 32 | 32 | 28 |
| 4 | 73 | 62 | 53 | 47 | 67 | 57 | 50 | 44 | 49 | 43 | 38 | 41 | 36 | 33 | 33 | 30 | 27 | 27 | 27 | 27 | 24 |
| 5 | 67 | 55 | 46 | 40 | 61 | 51 | 43 | 37 | 43 | 37 | 33 | 36 | 32 | 28 | 30 | 26 | 23 | 23 | 23 | 23 | 20 |
| 6 | 61 | 49 | 40 | 34 | 56 | 45 | 38 | 32 | 39 | 33 | 28 | 32 | 28 | 24 | 27 | 23 | 20 | 20 | 20 | 20 | 17 |
| 7 | 56 | 44 | 35 | 30 | 52 | 41 | 33 | 28 | 35 | 29 | 24 | 29 | 25 | 21 | 24 | 20 | 18 | 18 | 18 | 18 | 15 |
| 8 | 52 | 39 | 31 | 26 | 48 | 37 | 29 | 24 | 31 | 26 | 21 | 27 | 22 | 19 | 22 | 18 | 16 | 16 | 16 | 16 | 13 |
| 9 | 49 | 36 | 28 | 23 | 45 | 33 | 26 | 22 | 29 | 23 | 19 | 24 | 20 | 16 | 20 | 17 | 14 | 14 | 14 | 14 | 12 |
| 10 | 45 | 33 | 25 | 20 | 42 | 31 | 24 | 19 | 26 | 21 | 17 | 22 | 18 | 15 | 19 | 15 | 12 | 12 | 12 | 12 | 10 |

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 | 0.9 |
| 10°-20° | 362.8 | 3.8 |
| 20°-30° | 634.6 | 6.7 |
| 30°-40° | 816.9 | 8.6 |
| 40°-50° | 912.5 | 9.6 |
| 50°-60° | 873.9 | 9.2 |
| 60°-70° | 692.6 | 7.3 |
| 70°-80° | 407.3 | 4.3 |
| 80°-90° | 115.9 | 1.2 |
| 90°-100° | 346.7 | 3.6 |
| 100°-110° | 911.6 | 9.6 |
| 110°-120° | 945.2 | 9.9 |
| 120°-130° | 758.2 | 8.0 |
| 130°-140° | 594.9 | 6.3 |
| 140°-150° | 456.6 | 4.8 |
| 150°-160° | 328.8 | 3.5 |
| 160°-170° | 201.2 | 2.1 |
| 170°-180° | 68.0 | 0.7 |
| 0°-30° | 1079.3 | 11.3 |
| 0°-40° | 1896.2 | 19.9 |
| 0°-60° | 3682.6 | 38.7 |
| 0°-90° | 4898.4 | 51.5 |
| 90°-120° | 2203.5 | 23.2 |
| 90°-150° | 4013.1 | 42.2 |
| 90°-180° | 4611.0 | 48.5 |
| 0°-180° | 9509.5 | 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° | 5 | 13 | 36 | 18 | 18 | 5 |
| 95° | 46 | 180 | 597 | 308 | 210 | 51 |
| 105° | 164 | 249 | 1008 | 1530 | 1427 | 174 |
| 115° | 292 | 354 | 807 | 1610 | 1838 | 288 |
| 125° | 406 | 455 | 734 | 1241 | 1464 | 360 |
| 135° | 484 | 532 | 711 | 1002 | 1136 | 374 |
| 145° | 561 | 597 | 702 | 854 | 921 | 351 |
| 155° | 634 | 652 | 702 | 771 | 793 | 291 |
| 165° | 684 | 693 | 702 | 730 | 739 | 193 |
| 175° | 711 | 711 | 707 | 716 | 716 | 68 |
| 180° | 711 | 711 | 711 | 711 | 711 | |



TEST NUMBER: P937224

CATALOG NUMBER: SQ4-FB-075U-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° | 4.8 | 8.6 | 12.5 | 13.4 | 21.0 | 31.2 | 36.3 | 32.3 | 24.2 | 18.2 | 18.2 |
| 92.5° | 19.1 | 51.6 | 84.1 | 92.2 | 129.6 | 179.4 | 204.4 | 179.1 | 128.6 | 90.7 | 87.1 |
| 95° | 45.8 | 105.3 | 164.6 | 179.5 | 318.7 | 504.4 | 597.2 | 532.9 | 404.3 | 307.9 | 297.0 |
| 97.5° | 79.2 | 131.7 | 184.1 | 197.2 | 429.4 | 738.9 | 893.7 | 853.0 | 771.8 | 710.9 | 690.1 |
| 100° | 105.0 | 152.5 | 200.1 | 212.0 | 469.6 | 813.1 | 984.8 | 987.8 | 993.8 | 998.2 | 973.4 |
| 102.5° | 127.0 | 171.3 | 215.7 | 226.8 | 488.0 | 836.5 | 1010.6 | 1062.4 | 1165.9 | 1243.6 | 1222.4 |
| 105° | 164.2 | 201.8 | 239.3 | 248.7 | 501.7 | 839.1 | 1007.8 | 1123.8 | 1355.9 | 1530.0 | 1518.6 |
| 107.5° | 202.4 | 237.5 | 272.4 | 281.2 | 504.3 | 801.7 | 950.5 | 1112.3 | 1436.1 | 1679.0 | 1681.8 |
| 110° | 228.2 | 259.8 | 291.4 | 299.3 | 500.4 | 768.6 | 902.7 | 1083.7 | 1445.7 | 1717.2 | 1729.0 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 112.5° | 253.5 | 283.6 | 313.7 | 321.2 | 500.6 | 739.7 | 859.3 | 1044.6 | 1415.0 | 1692.8 | 1711.1 |
| 115° | 291.7 | 319.5 | 347.3 | 354.2 | 505.2 | 706.6 | 807.3 | 985.7 | 1342.6 | 1610.2 | 1635.6 |
| 117.5° | 329.4 | 354.7 | 379.9 | 386.2 | 514.7 | 685.8 | 771.5 | 932.5 | 1254.6 | 1496.1 | 1524.1 |
| 120° | 351.4 | 375.1 | 398.9 | 404.8 | 522.2 | 678.8 | 757.1 | 904.3 | 1198.6 | 1419.3 | 1446.5 |
| 122.5° | 372.8 | 396.9 | 420.8 | 426.8 | 533.2 | 675.1 | 746.1 | 878.6 | 1143.7 | 1342.4 | 1369.3 |
| 125° | 405.8 | 427.7 | 449.4 | 454.9 | 548.0 | 672.1 | 734.2 | 846.8 | 1071.8 | 1240.7 | 1265.5 |
| 127.5° | 432.5 | 454.6 | 476.6 | 482.2 | 562.9 | 670.4 | 724.2 | 820.8 | 1014.1 | 1159.1 | 1179.9 |
| 130° | 446.8 | 470.5 | 494.3 | 500.3 | 573.6 | 671.5 | 720.4 | 806.4 | 978.5 | 1107.6 | 1126.9 |
| 132.5° | 461.6 | 485.4 | 509.2 | 515.1 | 582.4 | 672.1 | 717.0 | 794.0 | 948.1 | 1063.6 | 1080.9 |
| 135° | 483.6 | 505.2 | 526.9 | 532.3 | 592.0 | 671.5 | 711.3 | 775.9 | 904.8 | 1001.5 | 1016.5 |
| 137.5° | 506.0 | 527.4 | 548.9 | 554.2 | 606.3 | 675.7 | 710.3 | 764.8 | 874.0 | 955.7 | 967.9 |
| 140° | 524.7 | 544.4 | 564.1 | 569.0 | 615.0 | 676.4 | 707.0 | 754.1 | 848.3 | 919.0 | 930.4 |
| 142.5° | 539.0 | 557.2 | 575.5 | 580.0 | 622.4 | 678.8 | 707.0 | 748.4 | 831.1 | 893.2 | 903.0 |
| 145° | 560.9 | 576.9 | 592.7 | 596.8 | 631.9 | 678.8 | 702.2 | 736.1 | 803.8 | 854.5 | 861.9 |
| 147.5° | 582.9 | 598.4 | 613.9 | 617.8 | 646.0 | 683.5 | 702.2 | 728.9 | 782.1 | 822.1 | 828.2 |
| 150° | 597.2 | 611.2 | 625.2 | 628.7 | 653.2 | 685.9 | 702.2 | 724.7 | 769.7 | 803.4 | 808.4 |
| 152.5° | 612.0 | 622.6 | 633.2 | 635.9 | 658.0 | 687.5 | 702.2 | 721.4 | 759.8 | 788.6 | 792.4 |
| 155° | 633.9 | 641.8 | 649.6 | 651.7 | 668.5 | 691.0 | 702.2 | 717.5 | 748.1 | 771.0 | 773.5 |
| 157.5° | 650.2 | 657.8 | 665.4 | 667.4 | 679.0 | 694.5 | 702.2 | 714.1 | 737.9 | 755.7 | 757.4 |
| 160° | 661.2 | 667.1 | 673.1 | 674.5 | 683.8 | 696.1 | 702.2 | 712.4 | 732.8 | 748.1 | 749.1 |
| 162.5° | 672.1 | 676.6 | 681.1 | 682.2 | 688.9 | 697.8 | 702.2 | 710.9 | 728.0 | 740.9 | 741.8 |
| 165° | 684.1 | 688.1 | 692.2 | 693.2 | 696.2 | 700.2 | 702.2 | 708.4 | 720.7 | 730.0 | 731.0 |
| 167.5° | 695.1 | 697.0 | 698.9 | 699.4 | 701.9 | 705.3 | 707.0 | 711.0 | 719.1 | 725.2 | 725.6 |
| 170° | 702.2 | 704.2 | 706.1 | 706.6 | 706.7 | 706.9 | 707.0 | 711.0 | 719.1 | 725.2 | 725.2 |
| 172.5° | 706.1 | 706.5 | 706.9 | 707.0 | 707.0 | 707.0 | 707.0 | 710.2 | 716.6 | 721.3 | 721.0 |
| 175° | 711.3 | 711.3 | 711.3 | 711.3 | 709.9 | 707.9 | 707.0 | 709.0 | 713.1 | 716.1 | 716.1 |
| 177.5° | 711.3 | 711.3 | 711.3 | 711.3 | 710.2 | 708.7 | 707.9 | 709.6 | 712.7 | 715.1 | 714.7 |
| 180° | 711.3 | 711.3 | 711.3 | 711.3 | 711.3 | 711.3 | 711.3 | 711.3 | 711.3 | 711.3 | 711.3 |



TEST NUMBER: P937224

CATALOG NUMBER: SQ4-FB-075U-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° | 18.2 | 18.2 |
| 92.5° | 72.7 | 58.2 |
| 95° | 253.3 | 209.6 |
| 97.5° | 606.8 | 523.7 |
| 100° | 874.4 | 775.3 |
| 102.5° | 1137.5 | 1052.7 |
| 105° | 1472.9 | 1427.3 |
| 107.5° | 1692.8 | 1703.8 |
| 110° | 1776.6 | 1824.1 |



TEST NUMBER: P937224

CATALOG NUMBER: SQ4-FB-075U-100D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 1784.0 | 1857.0 |
| 115° | 1736.7 | 1837.9 |
| 117.5° | 1636.4 | 1748.7 |
| 120° | 1555.6 | 1664.7 |
| 122.5° | 1476.9 | 1584.4 |
| 125° | 1364.6 | 1463.7 |
| 127.5° | 1263.6 | 1347.2 |
| 130° | 1204.0 | 1281.3 |
| 132.5° | 1150.1 | 1219.2 |
| 135° | 1076.1 | 1135.7 |
| 137.5° | 1016.7 | 1065.5 |
| 140° | 976.1 | 1021.6 |
| 142.5° | 942.2 | 981.5 |
| 145° | 891.7 | 921.4 |
| 147.5° | 852.8 | 877.4 |
| 150° | 828.4 | 848.3 |
| 152.5° | 807.4 | 822.5 |
| 155° | 783.5 | 793.4 |
| 157.5° | 764.5 | 771.5 |
| 160° | 753.1 | 757.1 |
| 162.5° | 745.7 | 749.5 |
| 165° | 735.0 | 739.0 |
| 167.5° | 727.3 | 729.0 |
| 170° | 725.2 | 725.2 |
| 172.5° | 719.5 | 718.0 |
| 175° | 716.1 | 716.1 |
| 177.5° | 713.0 | 711.3 |
| 180° | 711.3 | 711.3 |



TEST NUMBER: P937224
 CATALOG NUMBER: SQ4-FB-075U-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 | 4.88 | 5.80 | 5.82 | 6.76 | 8.00 | 18.06 | 18.98 | 19.00 | 19.94 | 21.18 |
| | 3H | 5.59 | 6.42 | 6.54 | 7.38 | 8.65 | 19.91 | 20.73 | 20.85 | 21.70 | 22.97 |
| | 4H | 5.90 | 6.67 | 6.86 | 7.65 | 8.92 | 20.55 | 21.33 | 21.52 | 22.31 | 23.58 |
| | 6H | 6.15 | 6.87 | 7.12 | 7.85 | 9.14 | 20.99 | 21.71 | 21.96 | 22.68 | 23.98 |
| | 8H | 6.22 | 6.90 | 7.20 | 7.90 | 9.19 | 21.11 | 21.80 | 22.09 | 22.79 | 24.08 |
| | 12H | 6.24 | 6.89 | 7.22 | 7.88 | 9.19 | 21.18 | 21.83 | 22.17 | 22.82 | 24.14 |
| 4H | 2H | 12.11 | 12.89 | 13.07 | 13.86 | 15.14 | 18.34 | 19.12 | 19.31 | 20.10 | 21.37 |
| | 3H | 13.68 | 14.33 | 14.66 | 15.33 | 16.63 | 20.39 | 21.05 | 21.37 | 22.05 | 23.34 |
| | 4H | 13.78 | 14.37 | 14.76 | 15.37 | 16.68 | 21.16 | 21.76 | 22.15 | 22.76 | 24.07 |
| | 6H | 13.79 | 14.31 | 14.79 | 15.33 | 16.64 | 21.71 | 22.22 | 22.71 | 23.24 | 24.55 |
| | 8H | 13.77 | 14.25 | 14.77 | 15.26 | 16.59 | 21.87 | 22.35 | 22.87 | 23.36 | 24.69 |
| | 12H | 13.73 | 14.16 | 14.75 | 15.19 | 16.53 | 21.97 | 22.40 | 22.99 | 23.43 | 24.77 |
| 8H | 4H | 15.23 | 15.71 | 16.23 | 16.72 | 18.05 | 21.23 | 21.71 | 22.23 | 22.72 | 24.05 |
| | 6H | 15.47 | 15.87 | 16.50 | 16.92 | 18.25 | 21.86 | 22.26 | 22.89 | 23.31 | 24.64 |
| | 8H | 15.49 | 15.84 | 16.52 | 16.88 | 18.23 | 22.08 | 22.44 | 23.12 | 23.47 | 24.82 |
| | 12H | 15.46 | 15.77 | 16.50 | 16.81 | 18.19 | 22.23 | 22.54 | 23.27 | 23.57 | 24.96 |
| 12H | 4H | 15.37 | 15.81 | 16.39 | 16.84 | 18.17 | 21.18 | 21.62 | 22.20 | 22.65 | 23.98 |
| | 6H | 15.73 | 16.08 | 16.76 | 17.12 | 18.47 | 21.84 | 22.20 | 22.88 | 23.24 | 24.58 |
| | 8H | 15.80 | 16.11 | 16.84 | 17.15 | 18.54 | 22.08 | 22.39 | 23.12 | 23.42 | 24.81 |