

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: P937054

Luminaire Tested: SQ4-FB-075U-050D-93050-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P937054
REPORT IS A COMBINATION OF REPORTS P933493 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-075U-050D-93050-1D-UNV-STD-W-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

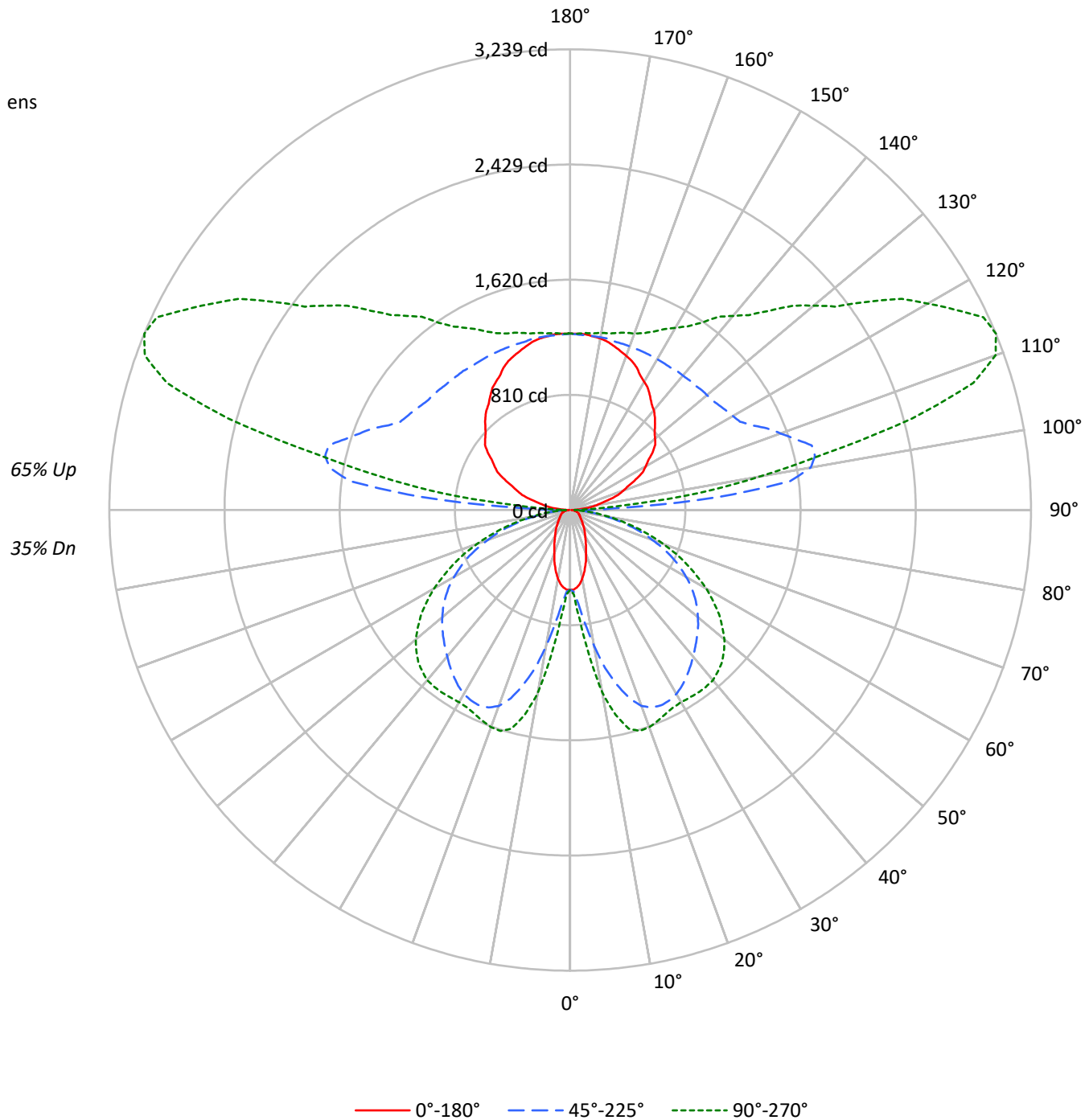
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12381.3 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 103.2
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: P937054
CATALOG NUMBER: SQ4-FB-075U-050D-93050-1D-UNV-STD-W-12-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P937054

CATALOG NUMBER: SQ4-FB-075U-050D-93050-1D-UNV-STD-W-12-3500K

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 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 94 | 75 | 75 | 75 | 58 | 58 | 58 | 42 | 42 | 42 | 35 | | | 35 |
| 1 | 94 | 90 | 86 | 82 | 85 | 81 | 78 | 75 | 65 | 63 | 61 | 50 | 49 | 47 | 37 | 36 | 35 | 29 | | | 29 |
| 2 | 85 | 78 | 72 | 66 | 77 | 70 | 65 | 61 | 57 | 53 | 50 | 44 | 41 | 39 | 32 | 30 | 29 | 23 | | | 23 |
| 3 | 77 | 68 | 61 | 55 | 70 | 62 | 55 | 50 | 49 | 45 | 41 | 38 | 35 | 32 | 28 | 26 | 24 | 19 | | | 19 |
| 4 | 71 | 60 | 52 | 46 | 63 | 54 | 47 | 42 | 44 | 39 | 35 | 34 | 30 | 27 | 25 | 22 | 20 | 16 | | | 16 |
| 5 | 65 | 53 | 45 | 39 | 58 | 48 | 41 | 36 | 39 | 33 | 29 | 30 | 26 | 23 | 22 | 19 | 17 | 14 | | | 14 |
| 6 | 59 | 47 | 39 | 33 | 53 | 43 | 36 | 31 | 35 | 29 | 25 | 27 | 23 | 20 | 20 | 17 | 15 | 12 | | | 12 |
| 7 | 55 | 42 | 34 | 29 | 49 | 38 | 31 | 26 | 31 | 26 | 22 | 24 | 20 | 17 | 18 | 15 | 13 | 10 | | | 10 |
| 8 | 50 | 38 | 30 | 25 | 45 | 35 | 28 | 23 | 28 | 23 | 19 | 22 | 18 | 15 | 16 | 14 | 12 | 9 | | | 9 |
| 9 | 47 | 35 | 27 | 22 | 42 | 32 | 25 | 20 | 26 | 21 | 17 | 20 | 16 | 14 | 15 | 12 | 10 | 8 | | | 8 |
| 10 | 44 | 32 | 24 | 20 | 39 | 29 | 22 | 18 | 23 | 18 | 15 | 18 | 15 | 12 | 14 | 11 | 9 | 7 | | | 7 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 1733 | 1733 | 1733 |
| 5° | 1694 | 2003 | 2329 |
| 10° | 1537 | 2921 | 3862 |
| 15° | 1307 | 3817 | 4663 |
| 20° | 1064 | 4425 | 4752 |
| 25° | 888 | 4631 | 4656 |
| 30° | 749 | 4662 | 4647 |
| 35° | 663 | 4586 | 4767 |
| 40° | 578 | 4487 | 4891 |
| 45° | 524 | 4414 | 4911 |
| 50° | 481 | 4349 | 4829 |
| 55° | 461 | 4254 | 4615 |
| 60° | 472 | 4069 | 4277 |
| 65° | 493 | 3787 | 3812 |
| 70° | 525 | 3305 | 3221 |
| 75° | 584 | 2696 | 2514 |
| 80° | 645 | 1872 | 1693 |
| 85° | 583 | 995 | 867 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 4911 cd/sqm



TEST NUMBER: P937054

CATALOG NUMBER: SQ4-FB-075U-050D-93050-1D-UNV-STD-W-12-3500K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 72.5 | 0.6 |
| 10°-20° | 321.2 | 2.6 |
| 20°-30° | 561.8 | 4.5 |
| 30°-40° | 723.2 | 5.8 |
| 40°-50° | 807.8 | 6.5 |
| 50°-60° | 773.7 | 6.2 |
| 60°-70° | 613.2 | 5.0 |
| 70°-80° | 360.6 | 2.9 |
| 80°-90° | 104.9 | 0.8 |
| 90°-100° | 604.7 | 4.9 |
| 100°-110° | 1589.9 | 12.8 |
| 110°-120° | 1648.5 | 13.3 |
| 120°-130° | 1322.3 | 10.7 |
| 130°-140° | 1037.6 | 8.4 |
| 140°-150° | 796.4 | 6.4 |
| 150°-160° | 573.5 | 4.6 |
| 160°-170° | 350.9 | 2.8 |
| 170°-180° | 118.6 | 1.0 |
| 0°-30° | 955.5 | 7.7 |
| 0°-40° | 1678.7 | 13.6 |
| 0°-60° | 3260.3 | 26.3 |
| 0°-90° | 4339.0 | 35.0 |
| 90°-120° | 3843.1 | 31.0 |
| 90°-150° | 6999.4 | 56.5 |
| 90°-180° | 8042.0 | 65.0 |
| 0°-180° | 12381.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 560 | 560 | 560 | 560 | 560 | |
| 5° | 546 | 585 | 659 | 746 | 773 | 50 |
| 15° | 409 | 755 | 1272 | 1542 | 1591 | 114 |
| 25° | 261 | 856 | 1515 | 1582 | 1584 | 120 |
| 35° | 177 | 818 | 1427 | 1508 | 1567 | 110 |
| 45° | 121 | 652 | 1261 | 1445 | 1510 | 93 |
| 55° | 86 | 414 | 1070 | 1243 | 1277 | 79 |
| 65° | 68 | 220 | 794 | 894 | 906 | 68 |
| 75° | 50 | 135 | 436 | 479 | 481 | 53 |
| 85° | 18 | 42 | 108 | 119 | 121 | 19 |
| 90° | 8 | 23 | 63 | 32 | 32 | 8 |
| 95° | 80 | 313 | 1042 | 537 | 366 | 89 |
| 105° | 286 | 434 | 1758 | 2669 | 2490 | 304 |
| 115° | 509 | 618 | 1408 | 2808 | 3206 | 502 |
| 125° | 708 | 794 | 1281 | 2164 | 2553 | 628 |
| 135° | 844 | 928 | 1241 | 1747 | 1981 | 653 |
| 145° | 978 | 1041 | 1225 | 1490 | 1607 | 613 |
| 155° | 1106 | 1136 | 1225 | 1345 | 1384 | 508 |
| 165° | 1193 | 1209 | 1225 | 1273 | 1289 | 337 |
| 175° | 1241 | 1241 | 1233 | 1249 | 1249 | 118 |
| 180° | 1241 | 1241 | 1241 | 1241 | 1241 | |



TEST NUMBER: P937054

CATALOG NUMBER: SQ4-FB-075U-050D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 560.3 | 560.3 | 560.3 | 560.3 | 560.3 | 560.3 | 560.3 | 560.3 | 560.3 | 560.3 | 560.3 |
| 2.5° | 560.3 | 560.3 | 563.9 | 565.7 | 569.2 | 571.0 | 574.7 | 578.3 | 589.1 | 590.9 | 594.5 |
| 5° | 545.9 | 553.0 | 576.5 | 585.4 | 610.7 | 644.9 | 659.3 | 682.8 | 731.4 | 745.8 | 754.8 |
| 7.5° | 524.2 | 540.4 | 598.1 | 612.5 | 675.6 | 765.7 | 803.5 | 853.9 | 931.4 | 969.2 | 999.8 |
| 10° | 490.0 | 524.2 | 626.9 | 661.2 | 763.8 | 900.8 | 971.0 | 1041.2 | 1158.4 | 1210.6 | 1230.4 |
| 12.5° | 452.1 | 508.0 | 657.5 | 704.3 | 852.1 | 1052.1 | 1136.8 | 1214.2 | 1347.5 | 1417.8 | 1428.6 |
| 15° | 409.0 | 484.6 | 686.3 | 754.8 | 945.8 | 1178.1 | 1271.9 | 1367.3 | 1491.7 | 1542.1 | 1554.7 |
| 17.5° | 371.1 | 466.5 | 713.4 | 785.5 | 1017.9 | 1291.7 | 1387.1 | 1466.4 | 1567.3 | 1601.5 | 1610.6 |
| 20° | 324.3 | 437.8 | 731.4 | 825.1 | 1093.5 | 1374.6 | 1466.4 | 1527.7 | 1596.2 | 1617.7 | 1621.3 |
| 22.5° | 290.1 | 407.1 | 742.2 | 839.5 | 1143.9 | 1425.0 | 1502.4 | 1551.1 | 1598.0 | 1605.1 | 1606.9 |
| 25° | 261.3 | 372.9 | 740.4 | 855.7 | 1187.2 | 1455.6 | 1515.0 | 1551.1 | 1578.1 | 1581.7 | 1581.7 |
| 27.5° | 234.2 | 335.1 | 733.2 | 859.3 | 1219.6 | 1462.9 | 1509.7 | 1534.8 | 1547.5 | 1554.7 | 1554.7 |
| 30° | 210.8 | 299.0 | 715.2 | 852.1 | 1234.0 | 1455.6 | 1493.5 | 1506.1 | 1518.6 | 1529.5 | 1534.8 |
| 32.5° | 192.8 | 264.8 | 688.1 | 837.7 | 1235.8 | 1437.6 | 1464.6 | 1471.8 | 1489.8 | 1515.0 | 1524.1 |
| 35° | 176.6 | 230.6 | 657.5 | 817.9 | 1225.1 | 1408.8 | 1426.8 | 1434.0 | 1470.0 | 1507.9 | 1520.4 |
| 37.5° | 160.4 | 205.4 | 617.9 | 783.7 | 1208.8 | 1374.6 | 1387.1 | 1399.7 | 1455.6 | 1500.6 | 1515.0 |
| 40° | 144.1 | 183.7 | 571.0 | 745.8 | 1183.6 | 1333.1 | 1344.0 | 1363.7 | 1437.6 | 1489.8 | 1504.2 |
| 42.5° | 131.5 | 165.7 | 520.6 | 706.2 | 1151.2 | 1286.3 | 1302.5 | 1331.3 | 1415.9 | 1471.8 | 1488.0 |
| 45° | 120.7 | 147.7 | 466.5 | 652.1 | 1109.7 | 1237.6 | 1261.0 | 1300.7 | 1390.8 | 1444.8 | 1459.2 |
| 47.5° | 109.9 | 135.1 | 410.8 | 596.3 | 1064.7 | 1189.0 | 1219.6 | 1264.6 | 1356.5 | 1408.8 | 1421.4 |
| 50° | 100.9 | 122.5 | 354.9 | 536.8 | 1016.0 | 1136.8 | 1172.8 | 1219.6 | 1313.3 | 1361.9 | 1378.2 |
| 52.5° | 93.6 | 111.7 | 302.6 | 477.4 | 960.2 | 1082.7 | 1124.2 | 1172.8 | 1261.0 | 1307.9 | 1318.7 |
| 55° | 86.5 | 102.7 | 257.6 | 414.4 | 902.6 | 1025.0 | 1070.1 | 1116.9 | 1203.4 | 1243.1 | 1250.2 |
| 57.5° | 82.9 | 95.4 | 219.8 | 354.9 | 841.3 | 960.2 | 1010.6 | 1053.9 | 1134.9 | 1165.6 | 1172.8 |
| 60° | 77.4 | 90.1 | 191.0 | 304.5 | 774.6 | 899.0 | 942.2 | 985.4 | 1053.9 | 1079.1 | 1084.5 |
| 62.5° | 72.1 | 86.5 | 169.3 | 255.8 | 706.2 | 826.9 | 870.2 | 909.7 | 967.4 | 985.4 | 992.6 |
| 65° | 68.5 | 82.9 | 153.1 | 219.8 | 635.9 | 751.3 | 794.5 | 828.7 | 875.5 | 893.5 | 897.1 |
| 67.5° | 64.8 | 79.2 | 140.5 | 189.2 | 565.7 | 675.6 | 708.0 | 740.4 | 776.4 | 794.5 | 796.3 |
| 70° | 59.4 | 75.7 | 129.7 | 167.5 | 493.6 | 589.1 | 616.2 | 650.4 | 679.2 | 688.1 | 693.6 |
| 72.5° | 55.9 | 70.3 | 122.5 | 151.3 | 419.7 | 506.2 | 531.5 | 551.2 | 576.5 | 585.4 | 585.4 |
| 75° | 50.4 | 63.0 | 115.3 | 135.1 | 344.1 | 414.4 | 435.9 | 455.8 | 475.6 | 479.2 | 473.8 |
| 77.5° | 45.0 | 55.9 | 99.1 | 113.5 | 268.4 | 327.9 | 345.9 | 356.7 | 372.9 | 376.5 | 378.3 |
| 80° | 37.9 | 48.6 | 77.4 | 88.3 | 194.6 | 241.4 | 254.0 | 263.0 | 277.5 | 277.5 | 281.0 |
| 82.5° | 28.8 | 37.9 | 55.9 | 63.0 | 131.5 | 165.7 | 176.6 | 181.9 | 191.0 | 191.0 | 191.0 |
| 85° | 18.0 | 23.5 | 36.0 | 41.5 | 79.2 | 100.9 | 108.1 | 109.9 | 117.1 | 118.9 | 118.9 |
| 87.5° | 9.0 | 12.6 | 23.5 | 25.2 | 41.5 | 52.3 | 52.3 | 55.9 | 55.9 | 54.1 | 52.3 |
| 90° | 8.3 | 15.0 | 21.6 | 23.3 | 36.6 | 54.4 | 63.3 | 56.2 | 42.2 | 31.6 | 31.6 |
| 92.5° | 33.3 | 89.9 | 146.6 | 160.7 | 225.9 | 312.8 | 356.3 | 312.3 | 224.3 | 158.2 | 151.9 |
| 95° | 80.0 | 183.5 | 287.2 | 313.1 | 555.9 | 879.7 | 1041.6 | 929.5 | 705.2 | 537.0 | 517.9 |
| 97.5° | 138.2 | 229.6 | 321.1 | 343.9 | 748.8 | 1288.7 | 1558.6 | 1487.7 | 1346.0 | 1239.7 | 1203.5 |
| 100° | 183.2 | 266.1 | 349.0 | 369.7 | 819.0 | 1418.1 | 1717.7 | 1722.8 | 1733.2 | 1741.0 | 1697.8 |
| 102.5° | 221.5 | 298.9 | 376.1 | 395.5 | 851.2 | 1458.8 | 1762.7 | 1852.9 | 2033.5 | 2169.0 | 2132.0 |
| 105° | 286.4 | 351.9 | 417.4 | 433.8 | 875.1 | 1463.5 | 1757.7 | 1960.1 | 2365.0 | 2668.6 | 2648.7 |
| 107.5° | 353.0 | 414.1 | 475.1 | 490.5 | 879.6 | 1398.4 | 1657.8 | 1940.1 | 2504.8 | 2928.3 | 2933.1 |
| 110° | 398.0 | 453.1 | 508.3 | 522.1 | 872.8 | 1340.6 | 1574.5 | 1890.2 | 2521.5 | 2994.9 | 3015.6 |



TEST NUMBER: P937054

CATALOG NUMBER: SQ4-FB-075U-050D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 442.1 | 494.7 | 547.2 | 560.4 | 873.2 | 1290.2 | 1498.8 | 1821.8 | 2467.9 | 2952.5 | 2984.3 |
| 115° | 508.7 | 557.2 | 605.7 | 617.8 | 881.2 | 1232.4 | 1408.0 | 1719.2 | 2341.6 | 2808.4 | 2852.6 |
| 117.5° | 574.5 | 618.6 | 662.5 | 673.5 | 897.6 | 1196.1 | 1345.5 | 1626.3 | 2188.1 | 2609.4 | 2658.4 |
| 120° | 612.8 | 654.3 | 695.7 | 706.0 | 910.9 | 1184.0 | 1320.5 | 1577.1 | 2090.4 | 2475.4 | 2522.9 |
| 122.5° | 650.3 | 692.1 | 733.9 | 744.4 | 930.1 | 1177.6 | 1301.3 | 1532.4 | 1994.7 | 2341.3 | 2388.2 |
| 125° | 707.7 | 745.9 | 784.0 | 793.5 | 955.8 | 1172.3 | 1280.6 | 1476.9 | 1869.5 | 2164.0 | 2207.2 |
| 127.5° | 754.4 | 792.9 | 831.4 | 841.0 | 981.7 | 1169.3 | 1263.1 | 1431.7 | 1768.8 | 2021.6 | 2058.1 |
| 130° | 779.4 | 820.8 | 862.2 | 872.6 | 1000.5 | 1171.1 | 1256.4 | 1406.4 | 1706.6 | 1931.6 | 1965.3 |
| 132.5° | 805.2 | 846.6 | 888.0 | 898.4 | 1015.7 | 1172.3 | 1250.6 | 1384.9 | 1653.6 | 1855.1 | 1885.3 |
| 135° | 843.5 | 881.2 | 918.9 | 928.3 | 1032.5 | 1171.2 | 1240.6 | 1353.1 | 1578.1 | 1746.8 | 1772.8 |
| 137.5° | 882.6 | 919.9 | 957.4 | 966.7 | 1057.5 | 1178.4 | 1238.9 | 1334.0 | 1524.3 | 1666.9 | 1688.2 |
| 140° | 915.0 | 949.4 | 983.9 | 992.5 | 1072.7 | 1179.7 | 1233.1 | 1315.3 | 1479.6 | 1602.8 | 1622.7 |
| 142.5° | 940.0 | 971.9 | 1003.6 | 1011.6 | 1085.5 | 1183.9 | 1233.1 | 1305.3 | 1449.6 | 1557.8 | 1574.9 |
| 145° | 978.3 | 1006.1 | 1033.8 | 1040.8 | 1102.1 | 1183.9 | 1224.8 | 1283.8 | 1401.9 | 1490.4 | 1503.4 |
| 147.5° | 1016.6 | 1043.7 | 1070.7 | 1077.4 | 1126.6 | 1192.0 | 1224.8 | 1271.3 | 1364.1 | 1433.8 | 1444.5 |
| 150° | 1041.6 | 1066.0 | 1090.5 | 1096.6 | 1139.3 | 1196.3 | 1224.8 | 1264.0 | 1342.4 | 1401.3 | 1409.9 |
| 152.5° | 1067.4 | 1085.9 | 1104.4 | 1109.0 | 1147.6 | 1199.1 | 1224.8 | 1258.3 | 1325.2 | 1375.5 | 1382.0 |
| 155° | 1105.7 | 1119.4 | 1133.1 | 1136.5 | 1166.0 | 1205.2 | 1224.8 | 1251.5 | 1304.7 | 1344.7 | 1349.1 |
| 157.5° | 1134.0 | 1147.3 | 1160.7 | 1164.0 | 1184.2 | 1211.3 | 1224.8 | 1245.5 | 1286.9 | 1318.0 | 1321.0 |
| 160° | 1153.2 | 1163.5 | 1173.9 | 1176.5 | 1192.6 | 1214.0 | 1224.8 | 1242.5 | 1278.1 | 1304.7 | 1306.5 |
| 162.5° | 1172.3 | 1180.1 | 1187.8 | 1189.8 | 1201.4 | 1217.0 | 1224.8 | 1239.7 | 1269.7 | 1292.2 | 1293.9 |
| 165° | 1193.2 | 1200.2 | 1207.1 | 1208.9 | 1214.2 | 1221.3 | 1224.8 | 1235.5 | 1256.9 | 1273.0 | 1274.8 |
| 167.5° | 1212.3 | 1215.6 | 1219.0 | 1219.8 | 1224.2 | 1230.2 | 1233.1 | 1240.1 | 1254.2 | 1264.7 | 1265.4 |
| 170° | 1224.8 | 1228.1 | 1231.5 | 1232.3 | 1232.6 | 1232.9 | 1233.1 | 1240.1 | 1254.2 | 1264.7 | 1264.7 |
| 172.5° | 1231.4 | 1232.1 | 1232.9 | 1233.1 | 1233.1 | 1233.1 | 1233.1 | 1238.7 | 1249.8 | 1258.1 | 1257.5 |
| 175° | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1238.1 | 1234.8 | 1233.1 | 1236.6 | 1243.7 | 1249.0 | 1249.0 |
| 177.5° | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1238.7 | 1236.1 | 1234.8 | 1237.6 | 1243.1 | 1247.3 | 1246.5 |
| 180° | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 |



TEST NUMBER: P937054

CATALOG NUMBER: SQ4-FB-075U-050D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 560.3 | 560.3 |
| 2.5° | 598.1 | 594.5 |
| 5° | 769.3 | 772.8 |
| 7.5° | 1035.9 | 1034.1 |
| 10° | 1288.1 | 1304.3 |
| 12.5° | 1471.8 | 1475.4 |
| 15° | 1583.5 | 1590.7 |
| 17.5° | 1626.8 | 1628.6 |
| 20° | 1628.6 | 1625.0 |
| 22.5° | 1608.7 | 1605.1 |
| 25° | 1585.3 | 1583.5 |
| 27.5° | 1563.7 | 1565.5 |
| 30° | 1554.7 | 1560.1 |
| 32.5° | 1554.7 | 1563.7 |
| 35° | 1558.3 | 1567.3 |
| 37.5° | 1556.5 | 1567.3 |
| 40° | 1549.2 | 1561.9 |
| 42.5° | 1529.5 | 1538.5 |
| 45° | 1498.8 | 1509.7 |
| 47.5° | 1459.2 | 1466.4 |
| 50° | 1408.8 | 1415.9 |
| 52.5° | 1345.7 | 1347.5 |
| 55° | 1270.1 | 1277.3 |
| 57.5° | 1189.0 | 1190.8 |
| 60° | 1098.9 | 1104.3 |
| 62.5° | 1003.5 | 1003.5 |
| 65° | 902.6 | 906.1 |
| 67.5° | 798.1 | 807.0 |
| 70° | 691.8 | 693.6 |
| 72.5° | 587.3 | 587.3 |
| 75° | 479.2 | 481.0 |
| 77.5° | 376.5 | 376.5 |
| 80° | 279.2 | 281.0 |
| 82.5° | 192.8 | 196.3 |
| 85° | 120.7 | 120.7 |
| 87.5° | 55.9 | 50.4 |
| 90° | 31.6 | 31.6 |
| 92.5° | 126.8 | 101.6 |
| 95° | 441.7 | 365.6 |
| 97.5° | 1058.4 | 913.4 |
| 100° | 1525.0 | 1352.2 |
| 102.5° | 1983.9 | 1835.9 |
| 105° | 2569.1 | 2489.5 |
| 107.5° | 2952.4 | 2971.6 |
| 110° | 3098.5 | 3181.4 |



TEST NUMBER: P937054

CATALOG NUMBER: SQ4-FB-075U-050D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 3111.6 | 3238.9 |
| 115° | 3029.0 | 3205.6 |
| 117.5° | 2854.1 | 3049.9 |
| 120° | 2713.2 | 2903.3 |
| 122.5° | 2575.8 | 2763.5 |
| 125° | 2380.0 | 2552.8 |
| 127.5° | 2203.9 | 2349.7 |
| 130° | 2100.0 | 2234.8 |
| 132.5° | 2005.9 | 2126.5 |
| 135° | 1876.8 | 1980.8 |
| 137.5° | 1773.3 | 1858.4 |
| 140° | 1702.3 | 1781.8 |
| 142.5° | 1643.4 | 1711.8 |
| 145° | 1555.2 | 1606.9 |
| 147.5° | 1487.4 | 1530.4 |
| 150° | 1444.8 | 1479.6 |
| 152.5° | 1408.3 | 1434.6 |
| 155° | 1366.4 | 1383.8 |
| 157.5° | 1333.3 | 1345.5 |
| 160° | 1313.5 | 1320.5 |
| 162.5° | 1300.5 | 1307.2 |
| 165° | 1281.8 | 1288.9 |
| 167.5° | 1268.5 | 1271.4 |
| 170° | 1264.7 | 1264.7 |
| 172.5° | 1254.9 | 1252.3 |
| 175° | 1249.0 | 1249.0 |
| 177.5° | 1243.6 | 1240.6 |
| 180° | 1240.6 | 1240.6 |



TEST NUMBER: P937054
 CATALOG NUMBER: SQ4-FB-075U-050D-93050-1D-UNV-STD-W-12-3500K

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 | 1.37 | 2.14 | 2.44 | 3.21 | 4.68 | 14.56 | 15.33 | 15.63 | 16.40 | 17.87 |
| | 3H | 2.07 | 2.75 | 3.15 | 3.84 | 5.32 | 16.40 | 17.09 | 17.48 | 18.17 | 19.66 |
| | 4H | 2.36 | 3.01 | 3.45 | 4.10 | 5.59 | 17.04 | 17.70 | 18.13 | 18.78 | 20.27 |
| | 6H | 2.61 | 3.21 | 3.71 | 4.30 | 5.80 | 17.47 | 18.07 | 18.57 | 19.16 | 20.67 |
| | 8H | 2.67 | 3.24 | 3.77 | 4.35 | 5.85 | 17.59 | 18.17 | 18.70 | 19.27 | 20.77 |
| | 12H | 2.69 | 3.23 | 3.79 | 4.33 | 5.85 | 17.66 | 18.20 | 18.77 | 19.30 | 20.83 |
| 4H | 2H | 8.58 | 9.23 | 9.68 | 10.32 | 11.81 | 14.82 | 15.48 | 15.92 | 16.56 | 18.05 |
| | 3H | 10.14 | 10.69 | 11.24 | 11.80 | 13.30 | 16.87 | 17.41 | 17.97 | 18.52 | 20.03 |
| | 4H | 10.23 | 10.73 | 11.34 | 11.83 | 13.36 | 17.63 | 18.13 | 18.74 | 19.24 | 20.76 |
| | 6H | 10.23 | 10.67 | 11.35 | 11.79 | 13.31 | 18.17 | 18.60 | 19.29 | 19.73 | 21.24 |
| | 8H | 10.21 | 10.61 | 11.33 | 11.73 | 13.26 | 18.33 | 18.73 | 19.45 | 19.85 | 21.39 |
| | 12H | 10.16 | 10.53 | 11.29 | 11.66 | 13.19 | 18.42 | 18.79 | 19.56 | 19.92 | 21.46 |
| 8H | 4H | 11.67 | 12.07 | 12.79 | 13.19 | 14.72 | 17.68 | 18.09 | 18.80 | 19.20 | 20.74 |
| | 6H | 11.91 | 12.24 | 13.05 | 13.40 | 14.93 | 18.31 | 18.65 | 19.45 | 19.81 | 21.34 |
| | 8H | 11.92 | 12.22 | 13.07 | 13.35 | 14.91 | 18.53 | 18.83 | 19.68 | 19.97 | 21.52 |
| | 12H | 11.89 | 12.14 | 13.04 | 13.28 | 14.87 | 18.68 | 18.93 | 19.83 | 20.07 | 21.66 |
| 12H | 4H | 11.81 | 12.17 | 12.94 | 13.30 | 14.84 | 17.63 | 18.00 | 18.77 | 19.13 | 20.67 |
| | 6H | 12.17 | 12.46 | 13.31 | 13.60 | 15.15 | 18.29 | 18.59 | 19.44 | 19.73 | 21.28 |
| | 8H | 12.23 | 12.49 | 13.38 | 13.62 | 15.21 | 18.52 | 18.78 | 19.67 | 19.92 | 21.50 |