

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: P938540

Luminaire Tested: SQ4-FB-150U-125D-92765-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P938540
REPORT IS A COMBINATION OF REPORTS P933640 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-150U-125D-92765-1D-UNV-STD-W-6-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

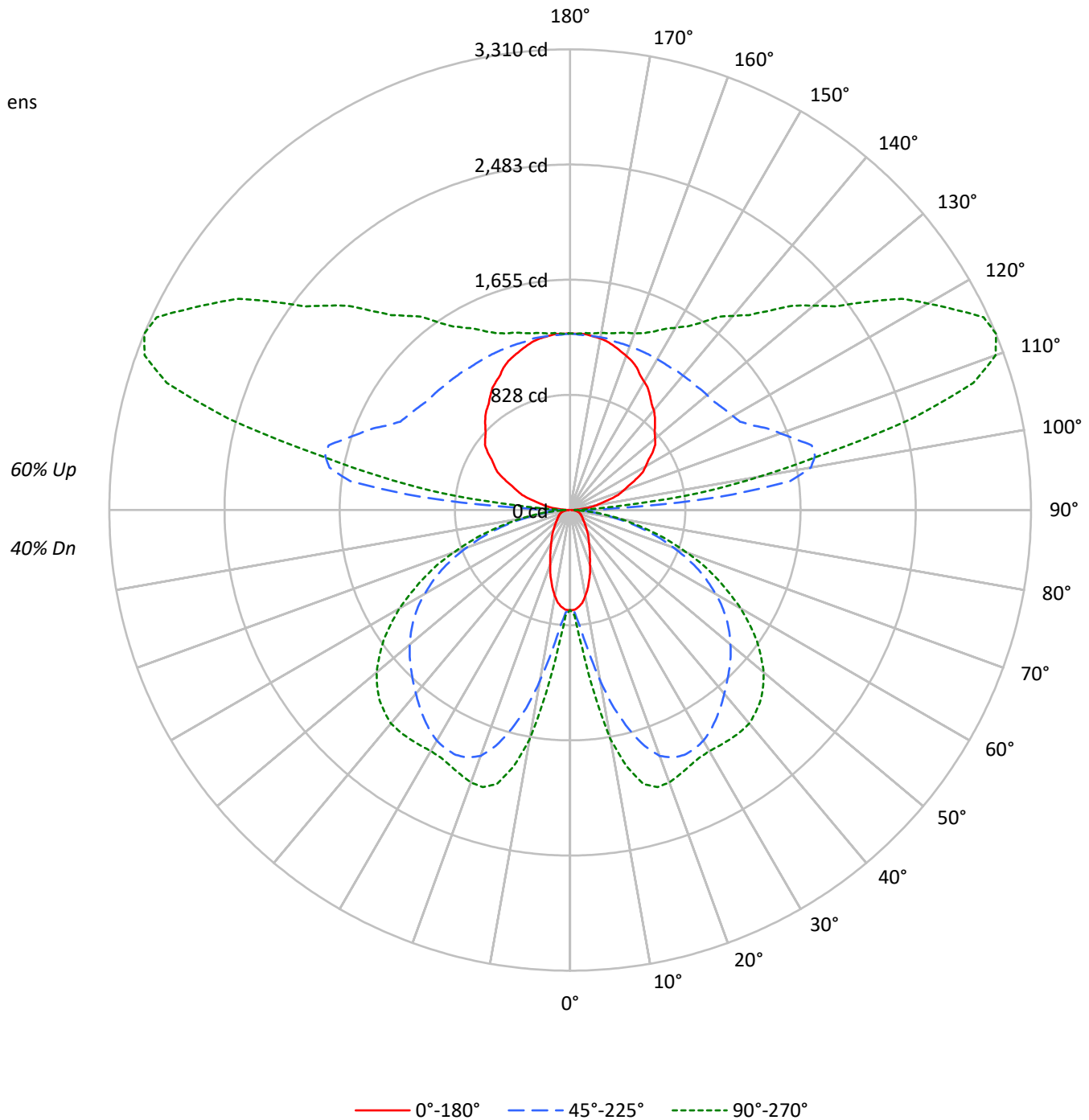
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13780.1 lumens
Efficiency: N/A
Efficacy: 110.4 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): 124.8
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: P938540
CATALOG NUMBER: SQ4-FB-150U-125D-92765-1D-UNV-STD-W-6-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P938540

CATALOG NUMBER: SQ4-FB-150U-125D-92765-1D-UNV-STD-W-6-4000K

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 | 105 | 105 | 105 | 105 | 95 | 95 | 95 | 95 | 78 | 78 | 78 | 62 | 62 | 62 | 47 | 47 | 47 | 47 | 47 | 47 | 40 |
| 1 | 95 | 91 | 87 | 83 | 86 | 83 | 79 | 76 | 68 | 65 | 63 | 54 | 52 | 51 | 41 | 40 | 39 | 39 | 39 | 39 | 33 |
| 2 | 86 | 79 | 72 | 67 | 78 | 72 | 66 | 62 | 59 | 55 | 51 | 47 | 44 | 42 | 36 | 34 | 32 | 32 | 32 | 32 | 27 |
| 3 | 78 | 69 | 61 | 55 | 71 | 63 | 56 | 51 | 51 | 47 | 43 | 41 | 37 | 35 | 31 | 29 | 27 | 27 | 27 | 27 | 22 |
| 4 | 71 | 60 | 52 | 46 | 65 | 55 | 48 | 43 | 45 | 40 | 36 | 36 | 32 | 29 | 27 | 25 | 23 | 23 | 23 | 23 | 19 |
| 5 | 65 | 53 | 45 | 39 | 59 | 49 | 42 | 36 | 40 | 35 | 30 | 32 | 28 | 25 | 24 | 22 | 19 | 19 | 19 | 19 | 16 |
| 6 | 60 | 48 | 39 | 34 | 54 | 44 | 36 | 31 | 36 | 30 | 26 | 29 | 25 | 21 | 22 | 19 | 17 | 17 | 17 | 17 | 14 |
| 7 | 55 | 43 | 35 | 29 | 50 | 39 | 32 | 27 | 32 | 27 | 23 | 26 | 22 | 19 | 20 | 17 | 15 | 15 | 15 | 15 | 12 |
| 8 | 51 | 39 | 31 | 25 | 46 | 35 | 28 | 24 | 29 | 24 | 20 | 23 | 19 | 16 | 18 | 15 | 13 | 13 | 13 | 13 | 10 |
| 9 | 47 | 35 | 27 | 22 | 43 | 32 | 25 | 21 | 27 | 21 | 18 | 21 | 17 | 15 | 17 | 14 | 11 | 11 | 11 | 11 | 9 |
| 10 | 44 | 32 | 25 | 20 | 40 | 29 | 23 | 18 | 24 | 19 | 16 | 20 | 16 | 13 | 15 | 12 | 10 | 10 | 10 | 10 | 8 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|-------|-------|
| 0° | 4442 | 4442 | 4442 |
| 5° | 4338 | 5133 | 5971 |
| 10° | 3933 | 7481 | 9899 |
| 15° | 3342 | 9771 | 11953 |
| 20° | 2719 | 11320 | 12182 |
| 25° | 2268 | 11843 | 11934 |
| 30° | 1912 | 11914 | 11912 |
| 35° | 1689 | 11714 | 12220 |
| 40° | 1471 | 11453 | 12538 |
| 45° | 1331 | 11261 | 12587 |
| 50° | 1220 | 11089 | 12379 |
| 55° | 1167 | 10837 | 11830 |
| 60° | 1193 | 10356 | 10964 |
| 65° | 1241 | 9627 | 9773 |
| 70° | 1318 | 8391 | 8257 |
| 75° | 1456 | 6835 | 6443 |
| 80° | 1579 | 4735 | 4342 |
| 85° | 1377 | 2507 | 2222 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 12587 cd/sqm



TEST NUMBER: P938540

CATALOG NUMBER: SQ4-FB-150U-125D-92765-1D-UNV-STD-W-6-4000K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 92.9 | 0.7 |
| 10°-20° | 411.7 | 3.0 |
| 20°-30° | 720.1 | 5.2 |
| 30°-40° | 927.0 | 6.7 |
| 40°-50° | 1035.4 | 7.5 |
| 50°-60° | 991.7 | 7.2 |
| 60°-70° | 785.9 | 5.7 |
| 70°-80° | 462.1 | 3.4 |
| 80°-90° | 133.2 | 1.0 |
| 90°-100° | 618.1 | 4.5 |
| 100°-110° | 1625.0 | 11.8 |
| 110°-120° | 1685.0 | 12.2 |
| 120°-130° | 1351.5 | 9.8 |
| 130°-140° | 1060.5 | 7.7 |
| 140°-150° | 814.0 | 5.9 |
| 150°-160° | 586.2 | 4.3 |
| 160°-170° | 358.7 | 2.6 |
| 170°-180° | 121.2 | 0.9 |
| 0°-30° | 1224.7 | 8.9 |
| 0°-40° | 2151.7 | 15.6 |
| 0°-60° | 4178.7 | 30.3 |
| 0°-90° | 5560.0 | 40.3 |
| 90°-120° | 3928.1 | 28.5 |
| 90°-150° | 7154.1 | 51.9 |
| 90°-180° | 8220.0 | 59.7 |
| 0°-180° | 13780.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 718 | 718 | 718 | 718 | 718 | |
| 5° | 700 | 750 | 845 | 956 | 991 | 65 |
| 15° | 524 | 968 | 1630 | 1976 | 2039 | 146 |
| 25° | 335 | 1097 | 1942 | 2027 | 2030 | 154 |
| 35° | 226 | 1048 | 1829 | 1933 | 2009 | 141 |
| 45° | 155 | 836 | 1616 | 1852 | 1935 | 120 |
| 55° | 111 | 531 | 1372 | 1593 | 1637 | 101 |
| 65° | 88 | 282 | 1018 | 1145 | 1161 | 87 |
| 75° | 65 | 173 | 559 | 614 | 616 | 68 |
| 85° | 23 | 53 | 138 | 152 | 155 | 24 |
| 90° | 9 | 24 | 65 | 32 | 32 | 9 |
| 95° | 82 | 320 | 1065 | 549 | 374 | 91 |
| 105° | 293 | 443 | 1796 | 2728 | 2544 | 310 |
| 115° | 520 | 632 | 1439 | 2870 | 3276 | 514 |
| 125° | 723 | 811 | 1309 | 2212 | 2609 | 642 |
| 135° | 862 | 949 | 1268 | 1785 | 2025 | 667 |
| 145° | 1000 | 1064 | 1252 | 1523 | 1642 | 626 |
| 155° | 1130 | 1162 | 1252 | 1374 | 1414 | 519 |
| 165° | 1220 | 1236 | 1252 | 1301 | 1317 | 344 |
| 175° | 1268 | 1268 | 1260 | 1276 | 1276 | 120 |
| 180° | 1268 | 1268 | 1268 | 1268 | 1268 | |



TEST NUMBER: P938540

CATALOG NUMBER: SQ4-FB-150U-125D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 718.1 | 718.1 | 718.1 | 718.1 | 718.1 | 718.1 | 718.1 | 718.1 | 718.1 | 718.1 | 718.1 |
| 2.5° | 718.1 | 718.1 | 722.7 | 725.0 | 729.6 | 732.0 | 736.5 | 741.2 | 755.0 | 757.4 | 762.0 |
| 5° | 699.6 | 708.9 | 738.9 | 750.5 | 782.7 | 826.6 | 845.1 | 875.1 | 937.5 | 955.9 | 967.5 |
| 7.5° | 671.9 | 692.7 | 766.6 | 785.0 | 865.9 | 981.3 | 1029.8 | 1094.5 | 1193.7 | 1242.2 | 1281.5 |
| 10° | 628.0 | 671.9 | 803.5 | 847.4 | 979.0 | 1154.5 | 1244.6 | 1334.6 | 1484.7 | 1551.7 | 1577.0 |
| 12.5° | 579.5 | 651.1 | 842.8 | 902.8 | 1092.1 | 1348.4 | 1457.0 | 1556.2 | 1727.1 | 1817.2 | 1831.0 |
| 15° | 524.1 | 621.1 | 879.7 | 967.5 | 1212.2 | 1510.1 | 1630.2 | 1752.5 | 1911.9 | 1976.5 | 1992.7 |
| 17.5° | 475.6 | 598.0 | 914.4 | 1006.7 | 1304.6 | 1655.5 | 1777.9 | 1879.5 | 2008.8 | 2052.7 | 2064.2 |
| 20° | 415.6 | 561.1 | 937.5 | 1057.5 | 1401.6 | 1761.8 | 1879.5 | 1958.0 | 2045.8 | 2073.4 | 2078.1 |
| 22.5° | 371.8 | 521.9 | 951.3 | 1076.0 | 1466.2 | 1826.4 | 1925.7 | 1988.0 | 2048.0 | 2057.3 | 2059.6 |
| 25° | 334.8 | 477.9 | 949.0 | 1096.7 | 1521.6 | 1865.7 | 1941.9 | 1988.0 | 2022.7 | 2027.3 | 2027.3 |
| 27.5° | 300.2 | 429.4 | 939.7 | 1101.4 | 1563.2 | 1874.9 | 1934.9 | 1967.3 | 1983.4 | 1992.7 | 1992.7 |
| 30° | 270.2 | 383.3 | 916.6 | 1092.1 | 1581.7 | 1865.7 | 1914.1 | 1930.3 | 1946.4 | 1960.4 | 1967.3 |
| 32.5° | 247.1 | 339.4 | 882.0 | 1073.6 | 1584.0 | 1842.6 | 1877.2 | 1886.4 | 1909.5 | 1941.9 | 1953.4 |
| 35° | 226.3 | 295.5 | 842.8 | 1048.3 | 1570.1 | 1805.6 | 1828.7 | 1837.9 | 1884.1 | 1932.6 | 1948.8 |
| 37.5° | 205.5 | 263.2 | 792.0 | 1004.4 | 1549.3 | 1761.8 | 1777.9 | 1794.1 | 1865.7 | 1923.3 | 1941.9 |
| 40° | 184.7 | 235.5 | 732.0 | 955.9 | 1517.0 | 1708.7 | 1722.5 | 1747.9 | 1842.6 | 1909.5 | 1928.0 |
| 42.5° | 168.6 | 212.4 | 667.3 | 905.1 | 1475.4 | 1648.6 | 1669.4 | 1706.3 | 1814.8 | 1886.4 | 1907.2 |
| 45° | 154.7 | 189.3 | 598.0 | 835.9 | 1422.3 | 1586.2 | 1616.2 | 1667.1 | 1782.5 | 1851.8 | 1870.3 |
| 47.5° | 140.8 | 173.2 | 526.4 | 764.3 | 1364.6 | 1523.9 | 1563.2 | 1620.9 | 1738.7 | 1805.6 | 1821.8 |
| 50° | 129.3 | 157.0 | 454.9 | 688.0 | 1302.2 | 1457.0 | 1503.2 | 1563.2 | 1683.3 | 1745.6 | 1766.3 |
| 52.5° | 120.1 | 143.2 | 387.9 | 611.9 | 1230.6 | 1387.7 | 1440.8 | 1503.2 | 1616.2 | 1676.3 | 1690.2 |
| 55° | 110.8 | 131.6 | 330.2 | 531.0 | 1156.8 | 1313.8 | 1371.6 | 1431.6 | 1542.4 | 1593.2 | 1602.4 |
| 57.5° | 106.2 | 122.3 | 281.7 | 454.9 | 1078.3 | 1230.6 | 1295.3 | 1350.7 | 1454.7 | 1493.9 | 1503.2 |
| 60° | 99.2 | 115.4 | 244.8 | 390.2 | 992.9 | 1152.1 | 1207.6 | 1263.0 | 1350.7 | 1383.1 | 1390.0 |
| 62.5° | 92.3 | 110.8 | 217.0 | 327.8 | 905.1 | 1059.8 | 1115.2 | 1166.1 | 1239.9 | 1263.0 | 1272.2 |
| 65° | 87.8 | 106.2 | 196.3 | 281.7 | 815.0 | 962.9 | 1018.2 | 1062.1 | 1122.1 | 1145.2 | 1149.9 |
| 67.5° | 83.1 | 101.6 | 180.1 | 242.4 | 725.0 | 865.9 | 907.5 | 949.0 | 995.1 | 1018.2 | 1020.6 |
| 70° | 76.2 | 97.0 | 166.3 | 214.8 | 632.7 | 755.0 | 789.7 | 833.5 | 870.5 | 882.0 | 889.0 |
| 72.5° | 71.6 | 90.1 | 157.0 | 193.9 | 538.0 | 648.8 | 681.1 | 706.5 | 738.9 | 750.5 | 750.5 |
| 75° | 64.7 | 80.8 | 147.8 | 173.2 | 441.0 | 531.0 | 558.8 | 584.2 | 609.5 | 614.2 | 607.3 |
| 77.5° | 57.8 | 71.6 | 127.0 | 145.5 | 344.0 | 420.3 | 443.4 | 457.2 | 477.9 | 482.6 | 484.9 |
| 80° | 48.5 | 62.3 | 99.2 | 113.2 | 249.3 | 309.4 | 325.6 | 337.1 | 355.6 | 355.6 | 360.2 |
| 82.5° | 36.9 | 48.5 | 71.6 | 80.8 | 168.6 | 212.4 | 226.3 | 233.2 | 244.8 | 244.8 | 244.8 |
| 85° | 23.1 | 30.0 | 46.2 | 53.1 | 101.6 | 129.3 | 138.5 | 140.8 | 150.1 | 152.4 | 152.4 |
| 87.5° | 11.6 | 16.2 | 30.0 | 32.3 | 53.1 | 66.9 | 66.9 | 71.6 | 71.6 | 69.3 | 66.9 |
| 90° | 8.6 | 15.4 | 22.1 | 23.8 | 37.5 | 55.6 | 64.7 | 57.5 | 43.1 | 32.4 | 32.4 |
| 92.5° | 34.0 | 91.9 | 149.8 | 164.3 | 231.0 | 319.8 | 364.2 | 319.2 | 229.2 | 161.7 | 155.3 |
| 95° | 81.7 | 187.6 | 293.5 | 320.0 | 568.3 | 899.2 | 1064.6 | 950.0 | 720.8 | 548.9 | 529.4 |
| 97.5° | 141.3 | 234.7 | 328.1 | 351.5 | 765.4 | 1317.2 | 1593.1 | 1520.7 | 1375.8 | 1267.2 | 1230.1 |
| 100° | 187.2 | 272.0 | 356.7 | 377.9 | 837.1 | 1449.5 | 1755.7 | 1761.0 | 1771.6 | 1779.5 | 1735.4 |
| 102.5° | 226.4 | 305.5 | 384.5 | 404.2 | 870.1 | 1491.1 | 1801.6 | 1893.9 | 2078.4 | 2216.9 | 2179.0 |
| 105° | 292.7 | 359.7 | 426.6 | 443.4 | 894.4 | 1495.8 | 1796.5 | 2003.4 | 2417.2 | 2727.5 | 2707.2 |
| 107.5° | 360.9 | 423.3 | 485.7 | 501.2 | 898.9 | 1429.2 | 1694.4 | 1983.0 | 2560.2 | 2993.1 | 2998.0 |
| 110° | 406.8 | 463.2 | 519.5 | 533.6 | 892.2 | 1370.2 | 1609.2 | 1931.9 | 2577.2 | 3061.1 | 3082.3 |



TEST NUMBER: P938540

CATALOG NUMBER: SQ4-FB-150U-125D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 451.9 | 505.6 | 559.2 | 572.7 | 892.4 | 1318.7 | 1531.8 | 1862.0 | 2522.4 | 3017.7 | 3050.3 |
| 115° | 519.9 | 569.5 | 619.1 | 631.5 | 900.6 | 1259.6 | 1439.0 | 1757.1 | 2393.3 | 2870.5 | 2915.6 |
| 117.5° | 587.2 | 632.2 | 677.2 | 688.5 | 917.5 | 1222.6 | 1375.3 | 1662.4 | 2236.4 | 2667.1 | 2717.1 |
| 120° | 626.4 | 668.8 | 711.2 | 721.7 | 931.0 | 1210.2 | 1349.7 | 1612.1 | 2136.6 | 2530.1 | 2578.6 |
| 122.5° | 664.7 | 707.4 | 750.2 | 760.8 | 950.6 | 1203.6 | 1330.2 | 1566.4 | 2038.8 | 2393.1 | 2441.0 |
| 125° | 723.3 | 762.3 | 801.3 | 811.0 | 977.0 | 1198.3 | 1308.9 | 1509.5 | 1910.8 | 2211.8 | 2255.9 |
| 127.5° | 771.0 | 810.3 | 849.7 | 859.5 | 1003.3 | 1195.1 | 1291.0 | 1463.2 | 1807.8 | 2066.2 | 2103.5 |
| 130° | 796.6 | 839.0 | 881.3 | 891.9 | 1022.7 | 1197.1 | 1284.2 | 1437.6 | 1744.3 | 1974.4 | 2008.8 |
| 132.5° | 822.9 | 865.3 | 907.7 | 918.3 | 1038.3 | 1198.3 | 1278.2 | 1415.5 | 1690.1 | 1896.0 | 1926.9 |
| 135° | 862.1 | 900.6 | 939.3 | 948.9 | 1055.3 | 1197.1 | 1268.0 | 1383.0 | 1613.0 | 1785.4 | 1812.0 |
| 137.5° | 902.1 | 940.3 | 978.5 | 988.0 | 1080.8 | 1204.5 | 1266.3 | 1363.5 | 1557.9 | 1703.8 | 1725.5 |
| 140° | 935.3 | 970.5 | 1005.6 | 1014.4 | 1096.4 | 1205.7 | 1260.4 | 1344.4 | 1512.3 | 1638.3 | 1658.5 |
| 142.5° | 960.8 | 993.3 | 1025.9 | 1034.0 | 1109.5 | 1210.1 | 1260.4 | 1334.2 | 1481.6 | 1592.2 | 1609.7 |
| 145° | 1000.0 | 1028.3 | 1056.7 | 1063.8 | 1126.5 | 1210.1 | 1251.8 | 1312.2 | 1432.9 | 1523.4 | 1536.6 |
| 147.5° | 1039.1 | 1066.7 | 1094.3 | 1101.2 | 1151.4 | 1218.4 | 1251.8 | 1299.3 | 1394.2 | 1465.4 | 1476.4 |
| 150° | 1064.6 | 1089.6 | 1114.5 | 1120.8 | 1164.4 | 1222.7 | 1251.8 | 1292.0 | 1372.1 | 1432.2 | 1441.1 |
| 152.5° | 1091.0 | 1109.9 | 1128.9 | 1133.6 | 1173.0 | 1225.6 | 1251.8 | 1286.0 | 1354.5 | 1405.8 | 1412.6 |
| 155° | 1130.1 | 1144.1 | 1158.1 | 1161.6 | 1191.7 | 1231.8 | 1251.8 | 1279.0 | 1333.5 | 1374.4 | 1378.8 |
| 157.5° | 1159.1 | 1172.7 | 1186.3 | 1189.7 | 1210.5 | 1238.0 | 1251.8 | 1273.0 | 1315.4 | 1347.2 | 1350.3 |
| 160° | 1178.7 | 1189.3 | 1199.8 | 1202.4 | 1218.9 | 1240.8 | 1251.8 | 1270.0 | 1306.3 | 1333.5 | 1335.3 |
| 162.5° | 1198.3 | 1206.2 | 1214.1 | 1216.1 | 1228.0 | 1243.9 | 1251.8 | 1267.1 | 1297.8 | 1320.8 | 1322.5 |
| 165° | 1219.6 | 1226.7 | 1233.8 | 1235.7 | 1241.0 | 1248.2 | 1251.8 | 1262.8 | 1284.8 | 1301.2 | 1303.1 |
| 167.5° | 1239.1 | 1242.5 | 1245.9 | 1246.7 | 1251.3 | 1257.4 | 1260.4 | 1267.6 | 1282.0 | 1292.7 | 1293.4 |
| 170° | 1251.8 | 1255.2 | 1258.7 | 1259.5 | 1259.8 | 1260.2 | 1260.4 | 1267.6 | 1282.0 | 1292.7 | 1292.7 |
| 172.5° | 1258.7 | 1259.4 | 1260.2 | 1260.4 | 1260.4 | 1260.4 | 1260.4 | 1266.0 | 1277.4 | 1285.9 | 1285.2 |
| 175° | 1268.0 | 1268.0 | 1268.0 | 1268.0 | 1265.5 | 1262.1 | 1260.4 | 1263.9 | 1271.1 | 1276.5 | 1276.5 |
| 177.5° | 1268.0 | 1268.0 | 1268.0 | 1268.0 | 1266.0 | 1263.4 | 1262.0 | 1264.9 | 1270.6 | 1274.9 | 1274.1 |
| 180° | 1268.0 | 1268.0 | 1268.0 | 1268.0 | 1268.0 | 1268.0 | 1268.0 | 1268.0 | 1268.0 | 1268.0 | 1268.0 |



TEST NUMBER: P938540

CATALOG NUMBER: SQ4-FB-150U-125D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 718.1 | 718.1 |
| 2.5° | 766.6 | 762.0 |
| 5° | 986.0 | 990.6 |
| 7.5° | 1327.7 | 1325.3 |
| 10° | 1650.9 | 1671.7 |
| 12.5° | 1886.4 | 1891.0 |
| 15° | 2029.6 | 2038.9 |
| 17.5° | 2085.0 | 2087.3 |
| 20° | 2087.3 | 2082.7 |
| 22.5° | 2061.9 | 2057.3 |
| 25° | 2031.9 | 2029.6 |
| 27.5° | 2004.2 | 2006.5 |
| 30° | 1992.7 | 1999.6 |
| 32.5° | 1992.7 | 2004.2 |
| 35° | 1997.3 | 2008.8 |
| 37.5° | 1994.9 | 2008.8 |
| 40° | 1985.7 | 2001.8 |
| 42.5° | 1960.4 | 1971.9 |
| 45° | 1921.1 | 1934.9 |
| 47.5° | 1870.3 | 1879.5 |
| 50° | 1805.6 | 1814.8 |
| 52.5° | 1724.8 | 1727.1 |
| 55° | 1627.8 | 1637.1 |
| 57.5° | 1523.9 | 1526.2 |
| 60° | 1408.5 | 1415.4 |
| 62.5° | 1286.1 | 1286.1 |
| 65° | 1156.8 | 1161.4 |
| 67.5° | 1022.9 | 1034.4 |
| 70° | 886.6 | 889.0 |
| 72.5° | 752.7 | 752.7 |
| 75° | 614.2 | 616.5 |
| 77.5° | 482.6 | 482.6 |
| 80° | 357.9 | 360.2 |
| 82.5° | 247.1 | 251.7 |
| 85° | 154.7 | 154.7 |
| 87.5° | 71.6 | 64.7 |
| 90° | 32.4 | 32.4 |
| 92.5° | 129.5 | 103.8 |
| 95° | 451.5 | 373.6 |
| 97.5° | 1081.8 | 933.6 |
| 100° | 1558.8 | 1382.1 |
| 102.5° | 2027.8 | 1876.5 |
| 105° | 2625.8 | 2544.5 |
| 107.5° | 3017.6 | 3037.3 |
| 110° | 3167.0 | 3251.8 |



TEST NUMBER: P938540

CATALOG NUMBER: SQ4-FB-150U-125D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 3180.4 | 3310.4 |
| 115° | 3095.9 | 3276.4 |
| 117.5° | 2917.2 | 3117.3 |
| 120° | 2773.1 | 2967.5 |
| 122.5° | 2632.8 | 2824.5 |
| 125° | 2432.6 | 2609.2 |
| 127.5° | 2252.5 | 2401.6 |
| 130° | 2146.5 | 2284.1 |
| 132.5° | 2050.1 | 2173.5 |
| 135° | 1918.3 | 2024.6 |
| 137.5° | 1812.5 | 1899.5 |
| 140° | 1739.9 | 1821.2 |
| 142.5° | 1679.7 | 1749.7 |
| 145° | 1589.5 | 1642.4 |
| 147.5° | 1520.3 | 1564.2 |
| 150° | 1476.7 | 1512.3 |
| 152.5° | 1439.4 | 1466.3 |
| 155° | 1396.6 | 1414.4 |
| 157.5° | 1362.8 | 1375.3 |
| 160° | 1342.5 | 1349.7 |
| 162.5° | 1329.3 | 1336.1 |
| 165° | 1310.2 | 1317.3 |
| 167.5° | 1296.5 | 1299.5 |
| 170° | 1292.7 | 1292.7 |
| 172.5° | 1282.6 | 1280.0 |
| 175° | 1276.5 | 1276.5 |
| 177.5° | 1271.0 | 1268.0 |
| 180° | 1268.0 | 1268.0 |



TEST NUMBER: P938540
 CATALOG NUMBER: SQ4-FB-150U-125D-92765-1D-UNV-STD-W-6-4000K

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 | 5.23 | 6.04 | 6.26 | 7.08 | 8.48 | 18.40 | 19.20 | 19.42 | 20.25 | 21.65 |
| | 3H | 5.93 | 6.66 | 6.97 | 7.71 | 9.13 | 20.23 | 20.95 | 21.26 | 22.00 | 23.42 |
| | 4H | 6.23 | 6.92 | 7.28 | 7.97 | 9.40 | 20.86 | 21.55 | 21.91 | 22.61 | 24.03 |
| | 6H | 6.48 | 7.11 | 7.54 | 8.17 | 9.61 | 21.29 | 21.92 | 22.35 | 22.98 | 24.42 |
| | 8H | 6.54 | 7.15 | 7.61 | 8.22 | 9.65 | 21.41 | 22.01 | 22.47 | 23.08 | 24.52 |
| | 12H | 6.56 | 7.13 | 7.63 | 8.20 | 9.66 | 21.47 | 22.05 | 22.54 | 23.11 | 24.57 |
| 4H | 2H | 12.43 | 13.12 | 13.49 | 14.17 | 15.60 | 18.66 | 19.35 | 19.72 | 20.41 | 21.83 |
| | 3H | 13.99 | 14.57 | 15.06 | 15.65 | 17.09 | 20.70 | 21.28 | 21.76 | 22.36 | 23.80 |
| | 4H | 14.09 | 14.62 | 15.16 | 15.69 | 17.15 | 21.46 | 21.99 | 22.53 | 23.06 | 24.52 |
| | 6H | 14.09 | 14.55 | 15.17 | 15.64 | 17.10 | 21.99 | 22.45 | 23.07 | 23.54 | 25.00 |
| | 8H | 14.07 | 14.50 | 15.15 | 15.58 | 17.05 | 22.15 | 22.58 | 23.23 | 23.66 | 25.13 |
| | 12H | 14.02 | 14.41 | 15.12 | 15.51 | 16.99 | 22.24 | 22.62 | 23.34 | 23.72 | 25.20 |
| 8H | 4H | 15.52 | 15.95 | 16.60 | 17.04 | 18.51 | 21.52 | 21.94 | 22.60 | 23.03 | 24.50 |
| | 6H | 15.76 | 16.12 | 16.87 | 17.24 | 18.71 | 22.14 | 22.49 | 23.24 | 23.62 | 25.09 |
| | 8H | 15.78 | 16.09 | 16.89 | 17.20 | 18.69 | 22.36 | 22.67 | 23.47 | 23.77 | 25.26 |
| | 12H | 15.75 | 16.02 | 16.86 | 17.12 | 18.65 | 22.49 | 22.77 | 23.61 | 23.87 | 25.40 |
| 12H | 4H | 15.66 | 16.05 | 16.76 | 17.15 | 18.63 | 21.47 | 21.85 | 22.57 | 22.95 | 24.43 |
| | 6H | 16.02 | 16.33 | 17.13 | 17.44 | 18.93 | 22.12 | 22.43 | 23.23 | 23.54 | 25.03 |
| | 8H | 16.09 | 16.36 | 17.20 | 17.47 | 18.99 | 22.35 | 22.62 | 23.46 | 23.73 | 25.25 |