

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: P938539

Luminaire Tested: SQ4-FB-150U-125D-92765-1D-UNV-STD-W-6-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P938539
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-6-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

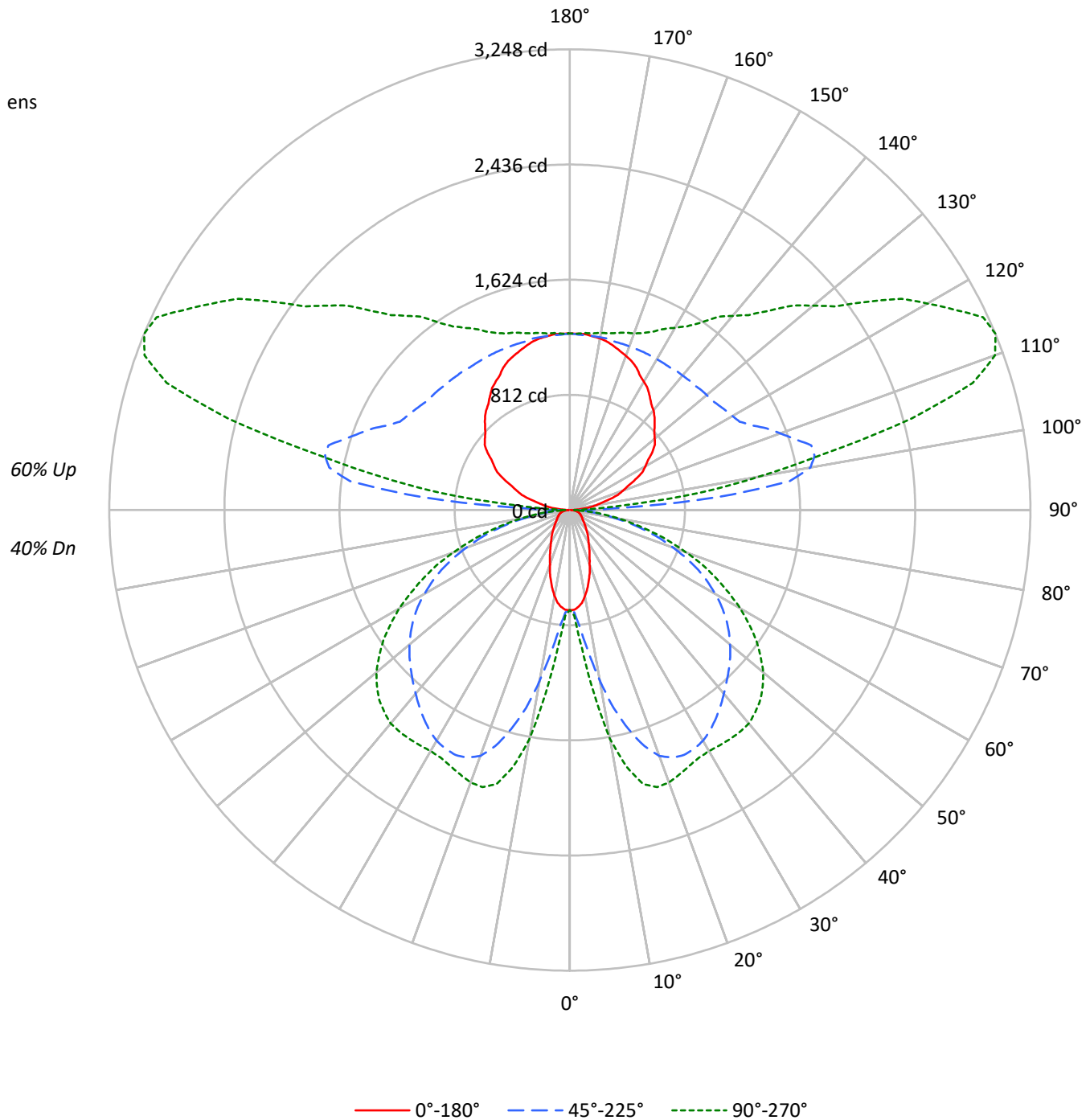
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13522.3 lumens
Efficiency: N/A
Efficacy: 108.4 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 (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: P938539
CATALOG NUMBER: SQ4-FB-150U-125D-92765-1D-UNV-STD-W-6-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P938539

CATALOG NUMBER: SQ4-FB-150U-125D-92765-1D-UNV-STD-W-6-3500K

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|-------|-------|
| 0° | 4359 | 4359 | 4359 |
| 5° | 4257 | 5037 | 5860 |
| 10° | 3860 | 7341 | 9714 |
| 15° | 3279 | 9588 | 11729 |
| 20° | 2668 | 11108 | 11954 |
| 25° | 2226 | 11622 | 11711 |
| 30° | 1876 | 11692 | 11689 |
| 35° | 1658 | 11495 | 11992 |
| 40° | 1444 | 11239 | 12303 |
| 45° | 1306 | 11051 | 12352 |
| 50° | 1197 | 10881 | 12147 |
| 55° | 1145 | 10634 | 11609 |
| 60° | 1171 | 10162 | 10758 |
| 65° | 1217 | 9447 | 9591 |
| 70° | 1294 | 8233 | 8103 |
| 75° | 1429 | 6707 | 6322 |
| 80° | 1549 | 4646 | 4261 |
| 85° | 1353 | 2460 | 2180 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 12352 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 91.2 | 0.7 |
| 10°-20° | 404.0 | 3.0 |
| 20°-30° | 706.6 | 5.2 |
| 30°-40° | 909.6 | 6.7 |
| 40°-50° | 1016.0 | 7.5 |
| 50°-60° | 973.1 | 7.2 |
| 60°-70° | 771.2 | 5.7 |
| 70°-80° | 453.5 | 3.4 |
| 80°-90° | 130.7 | 1.0 |
| 90°-100° | 606.5 | 4.5 |
| 100°-110° | 1594.6 | 11.8 |
| 110°-120° | 1653.4 | 12.2 |
| 120°-130° | 1326.3 | 9.8 |
| 130°-140° | 1040.6 | 7.7 |
| 140°-150° | 798.7 | 5.9 |
| 150°-160° | 575.2 | 4.3 |
| 160°-170° | 352.0 | 2.6 |
| 170°-180° | 118.9 | 0.9 |
| 0°-30° | 1201.8 | 8.9 |
| 0°-40° | 2111.4 | 15.6 |
| 0°-60° | 4100.6 | 30.3 |
| 0°-90° | 5456.0 | 40.3 |
| 90°-120° | 3854.6 | 28.5 |
| 90°-150° | 7020.2 | 51.9 |
| 90°-180° | 8066.0 | 59.6 |
| 0°-180° | 13522.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 705 | 705 | 705 | 705 | 705 | |
| 5° | 686 | 736 | 829 | 938 | 972 | 63 |
| 15° | 514 | 949 | 1600 | 1940 | 2001 | 143 |
| 25° | 329 | 1076 | 1906 | 1989 | 1992 | 151 |
| 35° | 222 | 1029 | 1794 | 1896 | 1971 | 139 |
| 45° | 152 | 820 | 1586 | 1817 | 1899 | 117 |
| 55° | 109 | 521 | 1346 | 1563 | 1606 | 99 |
| 65° | 86 | 276 | 999 | 1124 | 1140 | 85 |
| 75° | 64 | 170 | 548 | 603 | 605 | 66 |
| 85° | 23 | 52 | 136 | 150 | 152 | 24 |
| 90° | 8 | 23 | 64 | 32 | 32 | 8 |
| 95° | 80 | 314 | 1045 | 539 | 367 | 89 |
| 105° | 287 | 435 | 1763 | 2676 | 2497 | 305 |
| 115° | 510 | 620 | 1412 | 2817 | 3215 | 504 |
| 125° | 710 | 796 | 1284 | 2170 | 2560 | 630 |
| 135° | 846 | 931 | 1244 | 1752 | 1987 | 655 |
| 145° | 981 | 1044 | 1228 | 1495 | 1612 | 615 |
| 155° | 1109 | 1140 | 1228 | 1349 | 1388 | 510 |
| 165° | 1197 | 1212 | 1228 | 1277 | 1293 | 338 |
| 175° | 1244 | 1244 | 1237 | 1253 | 1253 | 118 |
| 180° | 1244 | 1244 | 1244 | 1244 | 1244 | |



TEST NUMBER: P938539

CATALOG NUMBER: SQ4-FB-150U-125D-92765-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 704.6 | 704.6 | 704.6 | 704.6 | 704.6 | 704.6 | 704.6 | 704.6 | 704.6 | 704.6 | 704.6 |
| 2.5° | 704.6 | 704.6 | 709.2 | 711.4 | 716.0 | 718.3 | 722.8 | 727.3 | 740.9 | 743.2 | 747.7 |
| 5° | 686.5 | 695.6 | 725.1 | 736.4 | 768.1 | 811.1 | 829.2 | 858.7 | 919.9 | 938.1 | 949.4 |
| 7.5° | 659.4 | 679.7 | 752.2 | 770.3 | 849.7 | 963.0 | 1010.5 | 1074.0 | 1171.4 | 1219.0 | 1257.5 |
| 10° | 616.3 | 659.4 | 788.5 | 831.6 | 960.7 | 1132.9 | 1221.3 | 1309.7 | 1456.9 | 1522.6 | 1547.5 |
| 12.5° | 568.7 | 638.9 | 827.0 | 885.9 | 1071.7 | 1323.2 | 1429.7 | 1527.1 | 1694.8 | 1783.2 | 1796.8 |
| 15° | 514.3 | 609.5 | 863.3 | 949.4 | 1189.5 | 1481.8 | 1599.7 | 1719.7 | 1876.1 | 1939.5 | 1955.4 |
| 17.5° | 466.8 | 586.8 | 897.3 | 987.9 | 1280.2 | 1624.6 | 1744.6 | 1844.3 | 1971.3 | 2014.3 | 2025.6 |
| 20° | 407.8 | 550.6 | 919.9 | 1037.8 | 1375.3 | 1728.8 | 1844.3 | 1921.4 | 2007.5 | 2034.6 | 2039.2 |
| 22.5° | 364.8 | 512.1 | 933.5 | 1055.9 | 1438.8 | 1792.2 | 1889.7 | 1950.8 | 2009.7 | 2018.8 | 2021.1 |
| 25° | 328.6 | 469.0 | 931.3 | 1076.2 | 1493.2 | 1830.8 | 1905.6 | 1950.8 | 1984.8 | 1989.4 | 1989.4 |
| 27.5° | 294.6 | 421.4 | 922.2 | 1080.8 | 1534.0 | 1839.8 | 1898.7 | 1930.5 | 1946.3 | 1955.4 | 1955.4 |
| 30° | 265.1 | 376.2 | 899.5 | 1071.7 | 1552.1 | 1830.8 | 1878.3 | 1894.2 | 1910.0 | 1923.7 | 1930.5 |
| 32.5° | 242.4 | 333.0 | 865.5 | 1053.6 | 1554.3 | 1808.1 | 1842.1 | 1851.1 | 1873.8 | 1905.6 | 1916.8 |
| 35° | 222.1 | 290.0 | 827.0 | 1028.7 | 1540.8 | 1771.9 | 1794.5 | 1803.5 | 1848.9 | 1896.5 | 1912.3 |
| 37.5° | 201.6 | 258.3 | 777.2 | 985.6 | 1520.3 | 1728.8 | 1744.6 | 1760.5 | 1830.8 | 1887.4 | 1905.6 |
| 40° | 181.3 | 231.1 | 718.3 | 938.1 | 1488.6 | 1676.7 | 1690.3 | 1715.2 | 1808.1 | 1873.8 | 1891.9 |
| 42.5° | 165.4 | 208.4 | 654.8 | 888.2 | 1447.8 | 1617.8 | 1638.1 | 1674.4 | 1780.9 | 1851.1 | 1871.6 |
| 45° | 151.8 | 185.8 | 586.8 | 820.2 | 1395.7 | 1556.6 | 1586.0 | 1635.9 | 1749.2 | 1817.2 | 1835.3 |
| 47.5° | 138.2 | 170.0 | 516.6 | 750.0 | 1339.1 | 1495.4 | 1534.0 | 1590.6 | 1706.2 | 1771.9 | 1787.7 |
| 50° | 126.8 | 154.1 | 446.4 | 675.2 | 1277.9 | 1429.7 | 1475.1 | 1534.0 | 1651.8 | 1712.9 | 1733.3 |
| 52.5° | 117.8 | 140.5 | 380.6 | 600.5 | 1207.6 | 1361.7 | 1413.8 | 1475.1 | 1586.0 | 1644.9 | 1658.6 |
| 55° | 108.7 | 129.2 | 324.0 | 521.1 | 1135.1 | 1289.2 | 1345.9 | 1404.8 | 1513.5 | 1563.4 | 1572.4 |
| 57.5° | 104.3 | 120.1 | 276.4 | 446.4 | 1058.1 | 1207.6 | 1271.1 | 1325.5 | 1427.5 | 1465.9 | 1475.1 |
| 60° | 97.4 | 113.3 | 240.2 | 382.9 | 974.3 | 1130.6 | 1185.0 | 1239.4 | 1325.5 | 1357.2 | 1364.0 |
| 62.5° | 90.6 | 108.7 | 213.0 | 321.7 | 888.2 | 1040.0 | 1094.4 | 1144.2 | 1216.7 | 1239.4 | 1248.4 |
| 65° | 86.1 | 104.3 | 192.6 | 276.4 | 799.8 | 944.8 | 999.2 | 1042.2 | 1101.1 | 1123.8 | 1128.4 |
| 67.5° | 81.6 | 99.7 | 176.7 | 237.9 | 711.4 | 849.7 | 890.5 | 931.3 | 976.5 | 999.2 | 1001.5 |
| 70° | 74.8 | 95.2 | 163.2 | 210.7 | 620.8 | 740.9 | 774.9 | 817.9 | 854.2 | 865.5 | 872.4 |
| 72.5° | 70.2 | 88.4 | 154.1 | 190.3 | 527.9 | 636.7 | 668.4 | 693.3 | 725.1 | 736.4 | 736.4 |
| 75° | 63.5 | 79.3 | 145.1 | 170.0 | 432.7 | 521.1 | 548.3 | 573.2 | 598.1 | 602.7 | 595.9 |
| 77.5° | 56.7 | 70.2 | 124.6 | 142.7 | 337.6 | 412.4 | 435.1 | 448.6 | 469.0 | 473.5 | 475.9 |
| 80° | 47.6 | 61.1 | 97.4 | 111.0 | 244.7 | 303.6 | 319.5 | 330.8 | 348.9 | 348.9 | 353.5 |
| 82.5° | 36.2 | 47.6 | 70.2 | 79.3 | 165.4 | 208.4 | 222.1 | 228.9 | 240.2 | 240.2 | 240.2 |
| 85° | 22.7 | 29.5 | 45.3 | 52.1 | 99.7 | 126.8 | 135.9 | 138.2 | 147.3 | 149.5 | 149.5 |
| 87.5° | 11.3 | 15.9 | 29.5 | 31.7 | 52.1 | 65.7 | 65.7 | 70.2 | 70.2 | 68.0 | 65.7 |
| 90° | 8.4 | 15.1 | 21.7 | 23.4 | 36.8 | 54.5 | 63.5 | 56.4 | 42.3 | 31.8 | 31.8 |
| 92.5° | 33.4 | 90.2 | 147.0 | 161.2 | 226.6 | 313.8 | 357.4 | 313.2 | 224.9 | 158.7 | 152.4 |
| 95° | 80.2 | 184.1 | 288.0 | 314.0 | 557.6 | 882.4 | 1044.7 | 932.3 | 707.3 | 538.6 | 519.5 |
| 97.5° | 138.6 | 230.3 | 322.0 | 344.9 | 751.1 | 1292.6 | 1563.3 | 1492.3 | 1350.1 | 1243.5 | 1207.1 |
| 100° | 183.7 | 266.9 | 350.0 | 370.8 | 821.5 | 1422.4 | 1722.8 | 1728.0 | 1738.5 | 1746.2 | 1702.9 |
| 102.5° | 222.2 | 299.7 | 377.3 | 396.7 | 853.8 | 1463.2 | 1767.9 | 1858.4 | 2039.5 | 2175.4 | 2138.3 |
| 105° | 287.2 | 352.9 | 418.6 | 435.1 | 877.7 | 1467.8 | 1762.9 | 1965.9 | 2372.0 | 2676.5 | 2656.5 |
| 107.5° | 354.1 | 415.3 | 476.6 | 491.8 | 882.1 | 1402.5 | 1662.7 | 1945.9 | 2512.3 | 2937.1 | 2941.9 |
| 110° | 399.2 | 454.5 | 509.8 | 523.6 | 875.5 | 1344.6 | 1579.1 | 1895.7 | 2529.0 | 3003.8 | 3024.6 |



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CATALOG NUMBER: SQ4-FB-150U-125D-92765-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 443.5 | 496.1 | 548.8 | 562.0 | 875.7 | 1294.0 | 1503.2 | 1827.2 | 2475.2 | 2961.3 | 2993.2 |
| 115° | 510.2 | 558.9 | 607.5 | 619.7 | 883.8 | 1236.0 | 1412.1 | 1724.3 | 2348.6 | 2816.8 | 2861.0 |
| 117.5° | 576.2 | 620.4 | 664.6 | 675.6 | 900.3 | 1199.8 | 1349.6 | 1631.3 | 2194.6 | 2617.2 | 2666.3 |
| 120° | 614.7 | 656.3 | 697.9 | 708.2 | 913.6 | 1187.5 | 1324.5 | 1581.9 | 2096.7 | 2482.7 | 2530.4 |
| 122.5° | 652.2 | 694.2 | 736.1 | 746.6 | 932.8 | 1181.1 | 1305.3 | 1537.1 | 2000.6 | 2348.3 | 2395.3 |
| 125° | 709.8 | 748.0 | 786.3 | 795.9 | 958.7 | 1175.8 | 1284.4 | 1481.3 | 1875.0 | 2170.4 | 2213.7 |
| 127.5° | 756.6 | 795.1 | 833.8 | 843.4 | 984.6 | 1172.7 | 1266.8 | 1435.9 | 1774.0 | 2027.6 | 2064.2 |
| 130° | 781.7 | 823.3 | 864.9 | 875.2 | 1003.6 | 1174.7 | 1260.2 | 1410.7 | 1711.7 | 1937.4 | 1971.2 |
| 132.5° | 807.6 | 849.1 | 890.7 | 901.1 | 1018.8 | 1175.8 | 1254.3 | 1389.0 | 1658.5 | 1860.6 | 1890.8 |
| 135° | 845.9 | 883.8 | 921.7 | 931.2 | 1035.5 | 1174.7 | 1244.3 | 1357.1 | 1582.8 | 1752.0 | 1778.1 |
| 137.5° | 885.2 | 922.7 | 960.2 | 969.6 | 1060.6 | 1181.9 | 1242.6 | 1338.0 | 1528.8 | 1671.9 | 1693.2 |
| 140° | 917.8 | 952.3 | 986.8 | 995.4 | 1075.9 | 1183.2 | 1236.8 | 1319.2 | 1484.0 | 1607.6 | 1627.5 |
| 142.5° | 942.8 | 974.7 | 1006.7 | 1014.6 | 1088.7 | 1187.5 | 1236.8 | 1309.2 | 1453.9 | 1562.4 | 1579.6 |
| 145° | 981.3 | 1009.1 | 1037.0 | 1043.9 | 1105.4 | 1187.5 | 1228.4 | 1287.6 | 1406.1 | 1494.9 | 1507.8 |
| 147.5° | 1019.6 | 1046.8 | 1073.8 | 1080.6 | 1129.9 | 1195.6 | 1228.4 | 1275.0 | 1368.1 | 1438.0 | 1448.8 |
| 150° | 1044.7 | 1069.2 | 1093.6 | 1099.8 | 1142.6 | 1199.9 | 1228.4 | 1267.8 | 1346.4 | 1405.4 | 1414.2 |
| 152.5° | 1070.6 | 1089.2 | 1107.7 | 1112.4 | 1151.0 | 1202.6 | 1228.4 | 1262.0 | 1329.2 | 1379.5 | 1386.1 |
| 155° | 1109.0 | 1122.7 | 1136.5 | 1139.9 | 1169.4 | 1208.8 | 1228.4 | 1255.1 | 1308.6 | 1348.7 | 1353.0 |
| 157.5° | 1137.4 | 1150.8 | 1164.2 | 1167.5 | 1187.8 | 1214.9 | 1228.4 | 1249.2 | 1290.8 | 1322.0 | 1325.0 |
| 160° | 1156.7 | 1167.0 | 1177.4 | 1180.0 | 1196.1 | 1217.6 | 1228.4 | 1246.3 | 1281.9 | 1308.6 | 1310.4 |
| 162.5° | 1175.8 | 1183.6 | 1191.4 | 1193.3 | 1205.0 | 1220.7 | 1228.4 | 1243.4 | 1273.5 | 1296.1 | 1297.8 |
| 165° | 1196.7 | 1203.8 | 1210.7 | 1212.5 | 1217.8 | 1224.9 | 1228.4 | 1239.2 | 1260.7 | 1276.9 | 1278.7 |
| 167.5° | 1215.9 | 1219.2 | 1222.6 | 1223.4 | 1227.9 | 1233.9 | 1236.8 | 1243.9 | 1258.0 | 1268.5 | 1269.2 |
| 170° | 1228.4 | 1231.7 | 1235.1 | 1235.9 | 1236.2 | 1236.6 | 1236.8 | 1243.9 | 1258.0 | 1268.5 | 1268.5 |
| 172.5° | 1235.1 | 1235.8 | 1236.6 | 1236.8 | 1236.8 | 1236.8 | 1236.8 | 1242.3 | 1253.5 | 1261.8 | 1261.2 |
| 175° | 1244.3 | 1244.3 | 1244.3 | 1244.3 | 1241.8 | 1238.5 | 1236.8 | 1240.3 | 1247.3 | 1252.6 | 1252.6 |
| 177.5° | 1244.3 | 1244.3 | 1244.3 | 1244.3 | 1242.3 | 1239.8 | 1238.4 | 1241.2 | 1246.8 | 1251.0 | 1250.3 |
| 180° | 1244.3 | 1244.3 | 1244.3 | 1244.3 | 1244.3 | 1244.3 | 1244.3 | 1244.3 | 1244.3 | 1244.3 | 1244.3 |



TEST NUMBER: P938539

CATALOG NUMBER: SQ4-FB-150U-125D-92765-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 704.6 | 704.6 |
| 2.5° | 752.2 | 747.7 |
| 5° | 967.5 | 972.1 |
| 7.5° | 1302.9 | 1300.5 |
| 10° | 1620.0 | 1640.5 |
| 12.5° | 1851.1 | 1855.7 |
| 15° | 1991.6 | 2000.7 |
| 17.5° | 2046.0 | 2048.3 |
| 20° | 2048.3 | 2043.7 |
| 22.5° | 2023.3 | 2018.8 |
| 25° | 1993.8 | 1991.6 |
| 27.5° | 1966.7 | 1968.9 |
| 30° | 1955.4 | 1962.2 |
| 32.5° | 1955.4 | 1966.7 |
| 35° | 1959.9 | 1971.3 |
| 37.5° | 1957.6 | 1971.3 |
| 40° | 1948.6 | 1964.4 |
| 42.5° | 1923.7 | 1935.0 |
| 45° | 1885.1 | 1898.7 |
| 47.5° | 1835.3 | 1844.3 |
| 50° | 1771.9 | 1780.9 |
| 52.5° | 1692.5 | 1694.8 |
| 55° | 1597.3 | 1606.4 |
| 57.5° | 1495.4 | 1497.6 |
| 60° | 1382.1 | 1388.9 |
| 62.5° | 1262.1 | 1262.1 |
| 65° | 1135.1 | 1139.7 |
| 67.5° | 1003.8 | 1015.1 |
| 70° | 870.0 | 872.4 |
| 72.5° | 738.6 | 738.6 |
| 75° | 602.7 | 604.9 |
| 77.5° | 473.5 | 473.5 |
| 80° | 351.2 | 353.5 |
| 82.5° | 242.4 | 247.0 |
| 85° | 151.8 | 151.8 |
| 87.5° | 70.2 | 63.5 |
| 90° | 31.8 | 31.8 |
| 92.5° | 127.1 | 101.8 |
| 95° | 443.0 | 366.6 |
| 97.5° | 1061.6 | 916.1 |
| 100° | 1529.6 | 1356.2 |
| 102.5° | 1989.8 | 1841.4 |
| 105° | 2576.7 | 2496.9 |
| 107.5° | 2961.2 | 2980.5 |
| 110° | 3107.7 | 3190.9 |



TEST NUMBER: P938539

CATALOG NUMBER: SQ4-FB-150U-125D-92765-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 3120.9 | 3248.5 |
| 115° | 3038.0 | 3215.1 |
| 117.5° | 2862.6 | 3059.0 |
| 120° | 2721.2 | 2912.0 |
| 122.5° | 2583.5 | 2771.7 |
| 125° | 2387.0 | 2560.4 |
| 127.5° | 2210.4 | 2356.7 |
| 130° | 2106.3 | 2241.4 |
| 132.5° | 2011.8 | 2132.8 |
| 135° | 1882.4 | 1986.7 |
| 137.5° | 1778.6 | 1864.0 |
| 140° | 1707.3 | 1787.1 |
| 142.5° | 1648.3 | 1717.0 |
| 145° | 1559.8 | 1611.7 |
| 147.5° | 1491.8 | 1534.9 |
| 150° | 1449.1 | 1484.0 |
| 152.5° | 1412.5 | 1438.9 |
| 155° | 1370.4 | 1387.9 |
| 157.5° | 1337.3 | 1349.6 |
| 160° | 1317.4 | 1324.5 |
| 162.5° | 1304.4 | 1311.1 |
| 165° | 1285.6 | 1292.7 |
| 167.5° | 1272.3 | 1275.2 |
| 170° | 1268.5 | 1268.5 |
| 172.5° | 1258.6 | 1256.0 |
| 175° | 1252.6 | 1252.6 |
| 177.5° | 1247.3 | 1244.3 |
| 180° | 1244.3 | 1244.3 |



TEST NUMBER: P938539
 CATALOG NUMBER: SQ4-FB-150U-125D-92765-1D-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 | 5.16 | 5.97 | 6.19 | 7.01 | 8.41 | 18.33 | 19.14 | 19.36 | 20.18 | 21.58 |
| | 3H | 5.87 | 6.59 | 6.90 | 7.64 | 9.06 | 20.16 | 20.89 | 21.20 | 21.94 | 23.36 |
| | 4H | 6.16 | 6.85 | 7.21 | 7.90 | 9.33 | 20.80 | 21.49 | 21.85 | 22.54 | 23.97 |
| | 6H | 6.41 | 7.05 | 7.47 | 8.10 | 9.54 | 21.22 | 21.86 | 22.28 | 22.91 | 24.35 |
| | 8H | 6.48 | 7.08 | 7.54 | 8.15 | 9.59 | 21.34 | 21.95 | 22.40 | 23.02 | 24.45 |
| | 12H | 6.49 | 7.07 | 7.56 | 8.13 | 9.59 | 21.40 | 21.98 | 22.47 | 23.05 | 24.50 |
| 4H | 2H | 12.36 | 13.05 | 13.42 | 14.11 | 15.53 | 18.60 | 19.29 | 19.65 | 20.34 | 21.77 |
| | 3H | 13.93 | 14.51 | 14.99 | 15.58 | 17.02 | 20.63 | 21.21 | 21.70 | 22.29 | 23.73 |
| | 4H | 14.02 | 14.55 | 15.09 | 15.62 | 17.08 | 21.39 | 21.92 | 22.47 | 22.99 | 24.46 |
| | 6H | 14.03 | 14.48 | 15.11 | 15.58 | 17.03 | 21.93 | 22.38 | 23.01 | 23.48 | 24.93 |
| | 8H | 14.00 | 14.43 | 15.09 | 15.52 | 16.99 | 22.08 | 22.51 | 23.17 | 23.60 | 25.07 |
| | 12H | 13.96 | 14.34 | 15.06 | 15.44 | 16.92 | 22.17 | 22.56 | 23.27 | 23.66 | 25.14 |
| 8H | 4H | 15.46 | 15.88 | 16.54 | 16.97 | 18.44 | 21.45 | 21.88 | 22.53 | 22.96 | 24.43 |
| | 6H | 15.70 | 16.05 | 16.80 | 17.18 | 18.65 | 22.07 | 22.43 | 23.18 | 23.55 | 25.02 |
| | 8H | 15.71 | 16.02 | 16.83 | 17.13 | 18.62 | 22.29 | 22.60 | 23.40 | 23.71 | 25.20 |
| | 12H | 15.68 | 15.95 | 16.80 | 17.06 | 18.58 | 22.43 | 22.70 | 23.54 | 23.81 | 25.33 |
| 12H | 4H | 15.60 | 15.98 | 16.70 | 17.08 | 18.56 | 21.40 | 21.79 | 22.50 | 22.89 | 24.36 |
| | 6H | 15.95 | 16.26 | 17.07 | 17.37 | 18.86 | 22.06 | 22.37 | 23.17 | 23.48 | 24.96 |
| | 8H | 16.02 | 16.29 | 17.14 | 17.40 | 18.93 | 22.28 | 22.55 | 23.40 | 23.66 | 25.18 |