

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: P938586

Luminaire Tested: SQ4-FB-150U-125D-B2750-1D-UNV-W2A-W-4-5000K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P938586  
REPORT IS A COMBINATION OF REPORTS P933632 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-150U-125D-B2750-1D-UNV-W2A-W-4-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

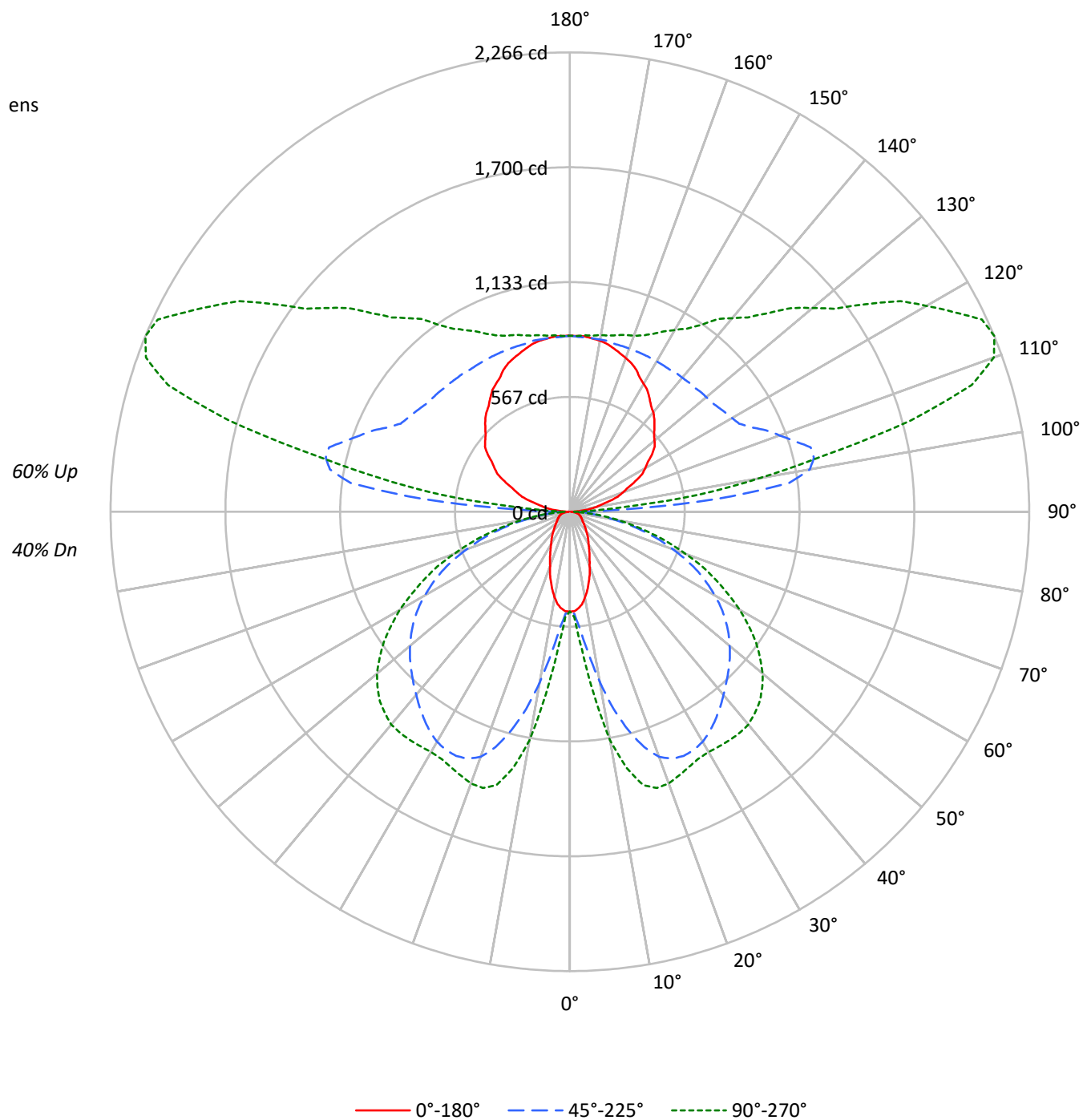
Lumens per Lamp: N/A  
Luminaire Lumens: 9432.5 lumens  
Efficiency: N/A  
Efficacy: 113.4 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 83.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P938586

CATALOG NUMBER: SQ4-FB-150U-125D-B2750-1D-UNV-W2A-W-4-5000K

### Luminous Intensity Polar Plot



TEST NUMBER: P938586

CATALOG NUMBER: SQ4-FB-150U-125D-B2750-1D-UNV-W2A-W-4-5000K

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    | 20 |
| RC  | 80  |     |     |     | 70 |    |    |    | 50 |    |    |    | 30 |    |    |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 105 | 105 | 105 | 105 | 95 | 95 | 95 | 95 | 78 | 78 | 78 | 62 | 62 | 62 | 47 | 47 | 47 |
| 1   | 95  | 91  | 87  | 83  | 86 | 83 | 79 | 76 | 68 | 65 | 63 | 54 | 52 | 51 | 41 | 40 | 39 |
| 2   | 86  | 79  | 72  | 67  | 78 | 72 | 66 | 62 | 59 | 55 | 51 | 47 | 44 | 42 | 36 | 34 | 32 |
| 3   | 78  | 69  | 61  | 55  | 71 | 63 | 56 | 51 | 51 | 47 | 43 | 41 | 37 | 35 | 31 | 29 | 27 |
| 4   | 71  | 60  | 52  | 46  | 65 | 55 | 48 | 43 | 45 | 40 | 36 | 36 | 32 | 29 | 27 | 25 | 23 |
| 5   | 65  | 53  | 45  | 39  | 59 | 49 | 42 | 36 | 40 | 35 | 30 | 32 | 28 | 25 | 24 | 22 | 19 |
| 6   | 60  | 48  | 39  | 34  | 54 | 44 | 36 | 31 | 36 | 30 | 26 | 29 | 25 | 21 | 22 | 19 | 17 |
| 7   | 55  | 43  | 35  | 29  | 50 | 39 | 32 | 27 | 32 | 27 | 23 | 26 | 22 | 19 | 20 | 17 | 15 |
| 8   | 51  | 39  | 31  | 25  | 46 | 35 | 28 | 24 | 29 | 24 | 20 | 23 | 19 | 16 | 18 | 15 | 13 |
| 9   | 47  | 35  | 27  | 22  | 43 | 32 | 25 | 21 | 27 | 21 | 18 | 21 | 17 | 15 | 17 | 14 | 11 |
| 10  | 44  | 32  | 25  | 20  | 40 | 29 | 23 | 18 | 24 | 19 | 16 | 20 | 16 | 13 | 15 | 12 | 10 |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   | 45°   | 90°   |
|-----|------|-------|-------|
| 0°  | 4561 | 4561  | 4561  |
| 5°  | 4451 | 5267  | 6130  |
| 10° | 4032 | 7672  | 10163 |
| 15° | 3423 | 10017 | 12272 |
| 20° | 2784 | 11600 | 12508 |
| 25° | 2320 | 12130 | 12253 |
| 30° | 1953 | 12196 | 12230 |
| 35° | 1724 | 11985 | 12546 |
| 40° | 1501 | 11712 | 12873 |
| 45° | 1356 | 11508 | 12923 |
| 50° | 1241 | 11324 | 12709 |
| 55° | 1184 | 11058 | 12146 |
| 60° | 1210 | 10558 | 11256 |
| 65° | 1252 | 9805  | 10034 |
| 70° | 1323 | 8533  | 8477  |
| 75° | 1453 | 6940  | 6616  |
| 80° | 1554 | 4797  | 4458  |
| 85° | 1308 | 2530  | 2282  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 12923 cd/sqm

TEST NUMBER: P938586

CATALOG NUMBER: SQ4-FB-150U-125D-B2750-1D-UNV-W2A-W-4-5000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 63.6   | 0.7       |
| 10°-20°   | 281.8  | 3.0       |
| 20°-30°   | 492.9  | 5.2       |
| 30°-40°   | 634.5  | 6.7       |
| 40°-50°   | 708.7  | 7.5       |
| 50°-60°   | 678.8  | 7.2       |
| 60°-70°   | 537.9  | 5.7       |
| 70°-80°   | 316.3  | 3.4       |
| 80°-90°   | 91.2   | 1.0       |
| 90°-100°  | 423.1  | 4.5       |
| 100°-110° | 1112.4 | 11.8      |
| 110°-120° | 1153.4 | 12.2      |
| 120°-130° | 925.2  | 9.8       |
| 130°-140° | 725.9  | 7.7       |
| 140°-150° | 557.2  | 5.9       |
| 150°-160° | 401.3  | 4.3       |
| 160°-170° | 245.5  | 2.6       |
| 170°-180° | 82.9   | 0.9       |
| 0°-30°    | 838.2  | 8.9       |
| 0°-40°    | 1472.7 | 15.6      |
| 0°-60°    | 2860.2 | 30.3      |
| 0°-90°    | 3805.7 | 40.3      |
| 90°-120°  | 2688.9 | 28.5      |
| 90°-150°  | 4897.1 | 51.9      |
| 90°-180°  | 5627.0 | 59.7      |
| 0°-180°   | 9432.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|-----|-------|------|-------|------|------|
| 0°   | 492 | 492   | 492  | 492   | 492  |      |
| 5°   | 479 | 514   | 578  | 654   | 678  | 44   |
| 15°  | 359 | 662   | 1116 | 1353  | 1396 | 100  |
| 25°  | 229 | 751   | 1329 | 1388  | 1389 | 106  |
| 35°  | 155 | 718   | 1252 | 1323  | 1375 | 97   |
| 45°  | 106 | 572   | 1106 | 1268  | 1324 | 82   |
| 55°  | 76  | 364   | 939  | 1090  | 1120 | 69   |
| 65°  | 60  | 193   | 697  | 784   | 795  | 60   |
| 75°  | 44  | 118   | 382  | 420   | 422  | 46   |
| 85°  | 16  | 36    | 95   | 104   | 106  | 17   |
| 90°  | 6   | 16    | 44   | 22    | 22   | 6    |
| 95°  | 56  | 219   | 729  | 376   | 256  | 62   |
| 105° | 200 | 304   | 1230 | 1867  | 1742 | 212  |
| 115° | 356 | 432   | 985  | 1965  | 2243 | 352  |
| 125° | 495 | 555   | 896  | 1514  | 1786 | 440  |
| 135° | 590 | 650   | 868  | 1222  | 1386 | 457  |
| 145° | 684 | 728   | 857  | 1043  | 1124 | 429  |
| 155° | 774 | 795   | 857  | 941   | 968  | 355  |
| 165° | 835 | 846   | 857  | 891   | 902  | 236  |
| 175° | 868 | 868   | 863  | 874   | 874  | 82   |
| 180° | 868 | 868   | 868  | 868   | 868  |      |

TEST NUMBER: P938586

CATALOG NUMBER: SQ4-FB-150U-125D-B2750-1D-UNV-W2A-W-4-5000K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 491.5 | 491.5 | 491.5 | 491.5 | 491.5  | 491.5  | 491.5  | 491.5  | 491.5  | 491.5  | 491.5  |
| 2.5°   | 491.5 | 491.5 | 494.6 | 496.2 | 499.4  | 501.0  | 504.2  | 507.3  | 516.8  | 518.4  | 521.5  |
| 5°     | 478.9 | 485.2 | 505.8 | 513.6 | 535.7  | 565.8  | 578.4  | 599.0  | 641.7  | 654.3  | 662.2  |
| 7.5°   | 459.9 | 474.1 | 524.7 | 537.3 | 592.6  | 671.6  | 704.9  | 749.2  | 817.1  | 850.2  | 877.1  |
| 10°    | 429.8 | 459.9 | 549.9 | 580.0 | 670.1  | 790.2  | 851.8  | 913.5  | 1016.2 | 1062.1 | 1079.4 |
| 12.5°  | 396.7 | 445.7 | 576.8 | 617.9 | 747.6  | 923.0  | 997.2  | 1065.2 | 1182.2 | 1243.8 | 1253.2 |
| 15°    | 358.7 | 425.2 | 602.1 | 662.2 | 829.7  | 1033.6 | 1115.8 | 1199.5 | 1308.6 | 1352.8 | 1363.9 |
| 17.5°  | 325.6 | 409.4 | 625.9 | 689.1 | 892.9  | 1133.1 | 1216.9 | 1286.5 | 1374.9 | 1405.0 | 1412.9 |
| 20°    | 284.5 | 384.1 | 641.7 | 723.8 | 959.3  | 1205.9 | 1286.5 | 1340.2 | 1400.3 | 1419.2 | 1422.4 |
| 22.5°  | 254.4 | 357.2 | 651.1 | 736.5 | 1003.6 | 1250.1 | 1318.1 | 1360.7 | 1401.8 | 1408.2 | 1409.7 |
| 25°    | 229.2 | 327.2 | 649.6 | 750.7 | 1041.5 | 1277.0 | 1329.2 | 1360.7 | 1384.5 | 1387.6 | 1387.6 |
| 27.5°  | 205.5 | 293.9 | 643.2 | 753.8 | 1069.9 | 1283.3 | 1324.4 | 1346.5 | 1357.6 | 1363.9 | 1363.9 |
| 30°    | 184.9 | 262.4 | 627.5 | 747.6 | 1082.6 | 1277.0 | 1310.1 | 1321.2 | 1332.3 | 1341.8 | 1346.5 |
| 32.5°  | 169.1 | 232.3 | 603.7 | 734.9 | 1084.2 | 1261.2 | 1284.9 | 1291.2 | 1307.0 | 1329.2 | 1337.0 |
| 35°    | 154.9 | 202.3 | 576.8 | 717.5 | 1074.7 | 1235.9 | 1251.7 | 1258.0 | 1289.6 | 1322.8 | 1333.8 |
| 37.5°  | 140.7 | 180.2 | 542.1 | 687.5 | 1060.5 | 1205.9 | 1216.9 | 1228.0 | 1277.0 | 1316.5 | 1329.2 |
| 40°    | 126.5 | 161.2 | 501.0 | 654.3 | 1038.3 | 1169.5 | 1179.0 | 1196.4 | 1261.2 | 1307.0 | 1319.6 |
| 42.5°  | 115.3 | 145.4 | 456.7 | 619.5 | 1009.8 | 1128.5 | 1142.7 | 1168.0 | 1242.2 | 1291.2 | 1305.5 |
| 45°    | 105.9 | 129.6 | 409.4 | 572.1 | 973.5  | 1085.8 | 1106.3 | 1141.1 | 1220.1 | 1267.5 | 1280.1 |
| 47.5°  | 96.4  | 118.5 | 360.3 | 523.1 | 934.0  | 1043.1 | 1069.9 | 1109.5 | 1190.0 | 1235.9 | 1247.0 |
| 50°    | 88.5  | 107.5 | 311.3 | 470.9 | 891.3  | 997.2  | 1028.9 | 1069.9 | 1152.1 | 1194.8 | 1209.1 |
| 52.5°  | 82.2  | 98.0  | 265.5 | 418.8 | 842.4  | 949.8  | 986.2  | 1028.9 | 1106.3 | 1147.4 | 1156.9 |
| 55°    | 75.8  | 90.0  | 226.0 | 363.5 | 791.8  | 899.3  | 938.8  | 979.9  | 1055.7 | 1090.4 | 1096.8 |
| 57.5°  | 72.7  | 83.8  | 192.8 | 311.3 | 738.0  | 842.4  | 886.6  | 924.6  | 995.6  | 1022.5 | 1028.9 |
| 60°    | 68.0  | 79.0  | 167.6 | 267.1 | 679.6  | 788.7  | 826.6  | 864.5  | 924.6  | 946.7  | 951.4  |
| 62.5°  | 63.2  | 75.8  | 148.6 | 224.4 | 619.5  | 725.4  | 763.4  | 798.1  | 848.7  | 864.5  | 870.8  |
| 65°    | 60.1  | 72.7  | 134.3 | 192.8 | 557.9  | 659.0  | 697.0  | 727.0  | 768.1  | 783.9  | 787.1  |
| 67.5°  | 56.9  | 69.6  | 123.3 | 166.0 | 496.2  | 592.6  | 621.1  | 649.6  | 681.2  | 697.0  | 698.5  |
| 70°    | 52.1  | 66.4  | 113.8 | 147.0 | 433.0  | 516.8  | 540.5  | 570.5  | 595.8  | 603.7  | 608.5  |
| 72.5°  | 49.0  | 61.6  | 107.5 | 132.7 | 368.3  | 444.1  | 466.3  | 483.6  | 505.8  | 513.6  | 513.6  |
| 75°    | 44.3  | 55.3  | 101.2 | 118.5 | 301.9  | 363.5  | 382.5  | 399.8  | 417.2  | 420.4  | 415.6  |
| 77.5°  | 39.5  | 49.0  | 87.0  | 99.6  | 235.5  | 287.7  | 303.5  | 312.9  | 327.2  | 330.3  | 331.9  |
| 80°    | 33.2  | 42.7  | 68.0  | 77.4  | 170.6  | 211.7  | 222.9  | 230.7  | 243.4  | 243.4  | 246.6  |
| 82.5°  | 25.3  | 33.2  | 49.0  | 55.3  | 115.3  | 145.4  | 154.9  | 159.6  | 167.6  | 167.6  | 167.6  |
| 85°    | 15.8  | 20.5  | 31.6  | 36.3  | 69.6   | 88.5   | 94.8   | 96.4   | 102.7  | 104.3  | 104.3  |
| 87.5°  | 7.9   | 11.0  | 20.5  | 22.1  | 36.3   | 45.9   | 45.9   | 49.0   | 49.0   | 47.4   | 45.9   |
| 90°    | 5.8   | 10.5  | 15.1  | 16.3  | 25.7   | 38.1   | 44.3   | 39.3   | 29.5   | 22.1   | 22.1   |
| 92.5°  | 23.3  | 62.9  | 102.6 | 112.5 | 158.0  | 218.8  | 249.3  | 218.5  | 156.9  | 110.7  | 106.3  |
| 95°    | 55.9  | 128.4 | 200.9 | 219.0 | 388.9  | 615.5  | 728.8  | 650.3  | 493.4  | 375.7  | 362.4  |
| 97.5°  | 96.7  | 160.6 | 224.6 | 240.6 | 523.9  | 901.7  | 1090.5 | 1040.9 | 941.8  | 867.4  | 842.0  |
| 100°   | 128.1 | 186.1 | 244.1 | 258.6 | 573.0  | 992.2  | 1201.8 | 1205.4 | 1212.7 | 1218.1 | 1187.9 |
| 102.5° | 155.0 | 209.1 | 263.2 | 276.7 | 595.6  | 1020.7 | 1233.3 | 1296.4 | 1422.8 | 1517.6 | 1491.7 |
| 105°   | 200.4 | 246.3 | 292.1 | 303.6 | 612.2  | 1023.9 | 1229.7 | 1371.3 | 1654.6 | 1867.1 | 1853.1 |
| 107.5° | 247.0 | 289.7 | 332.5 | 343.2 | 615.4  | 978.4  | 1159.8 | 1357.4 | 1752.5 | 2048.8 | 2052.2 |
| 110°   | 278.4 | 317.0 | 355.7 | 365.3 | 610.7  | 937.9  | 1101.6 | 1322.5 | 1764.1 | 2095.4 | 2109.9 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 112.5° | 309.3 | 346.1 | 382.9 | 392.1 | 610.9 | 902.7 | 1048.6 | 1274.6 | 1726.7 | 2065.7 | 2088.0 |
| 115°   | 355.9 | 389.9 | 423.8 | 432.3 | 616.5 | 862.3 | 985.1  | 1202.8 | 1638.3 | 1964.9 | 1995.9 |
| 117.5° | 402.0 | 432.8 | 463.6 | 471.3 | 628.0 | 837.0 | 941.4  | 1137.9 | 1530.9 | 1825.7 | 1860.0 |
| 120°   | 428.7 | 457.8 | 486.7 | 494.0 | 637.3 | 828.4 | 923.9  | 1103.4 | 1462.6 | 1731.9 | 1765.2 |
| 122.5° | 455.0 | 484.2 | 513.5 | 520.8 | 650.7 | 824.0 | 910.6  | 1072.2 | 1395.6 | 1638.1 | 1670.9 |
| 125°   | 495.2 | 521.8 | 548.5 | 555.2 | 668.7 | 820.2 | 896.0  | 1033.3 | 1308.0 | 1514.0 | 1544.3 |
| 127.5° | 527.8 | 554.7 | 581.6 | 588.3 | 686.8 | 818.1 | 883.8  | 1001.7 | 1237.6 | 1414.4 | 1439.9 |
| 130°   | 545.3 | 574.2 | 603.2 | 610.5 | 700.0 | 819.4 | 879.1  | 984.1  | 1194.0 | 1351.5 | 1375.0 |
| 132.5° | 563.3 | 592.3 | 621.3 | 628.6 | 710.7 | 820.2 | 875.0  | 968.9  | 1156.9 | 1297.9 | 1319.0 |
| 135°   | 590.1 | 616.5 | 642.9 | 649.5 | 722.4 | 819.4 | 868.0  | 946.7  | 1104.1 | 1222.1 | 1240.4 |
| 137.5° | 617.5 | 643.6 | 669.8 | 676.3 | 739.8 | 824.5 | 866.8  | 933.3  | 1066.4 | 1166.3 | 1181.1 |
| 140°   | 640.3 | 664.4 | 688.5 | 694.4 | 750.6 | 825.4 | 862.7  | 920.2  | 1035.2 | 1121.4 | 1135.3 |
| 142.5° | 657.7 | 680.0 | 702.2 | 707.8 | 759.4 | 828.3 | 862.7  | 913.3  | 1014.2 | 1090.0 | 1101.9 |
| 145°   | 684.5 | 704.0 | 723.3 | 728.1 | 771.1 | 828.4 | 856.9  | 898.2  | 980.8  | 1042.7 | 1051.8 |
| 147.5° | 711.2 | 730.2 | 749.1 | 753.8 | 788.2 | 834.1 | 856.9  | 889.4  | 954.4  | 1003.1 | 1010.6 |
| 150°   | 728.8 | 745.9 | 762.9 | 767.2 | 797.1 | 837.0 | 856.9  | 884.4  | 939.2  | 980.4  | 986.5  |
| 152.5° | 746.8 | 759.8 | 772.7 | 776.0 | 803.0 | 838.9 | 856.9  | 880.4  | 927.3  | 962.4  | 967.0  |
| 155°   | 773.6 | 783.3 | 792.8 | 795.2 | 815.8 | 843.2 | 856.9  | 875.6  | 912.9  | 940.8  | 943.9  |
| 157.5° | 793.4 | 802.8 | 812.0 | 814.4 | 828.6 | 847.5 | 856.9  | 871.4  | 900.4  | 922.1  | 924.3  |
| 160°   | 806.8 | 814.1 | 821.4 | 823.1 | 834.4 | 849.5 | 856.9  | 869.4  | 894.2  | 912.8  | 914.0  |
| 162.5° | 820.2 | 825.7 | 831.1 | 832.5 | 840.6 | 851.5 | 856.9  | 867.4  | 888.4  | 904.1  | 905.2  |
| 165°   | 834.8 | 839.7 | 844.6 | 845.8 | 849.6 | 854.5 | 856.9  | 864.4  | 879.5  | 890.7  | 891.9  |
| 167.5° | 848.2 | 850.5 | 852.8 | 853.4 | 856.5 | 860.7 | 862.7  | 867.7  | 877.5  | 884.9  | 885.4  |
| 170°   | 856.9 | 859.3 | 861.6 | 862.2 | 862.4 | 862.6 | 862.7  | 867.7  | 877.5  | 884.9  | 884.9  |
| 172.5° | 861.6 | 862.1 | 862.6 | 862.7 | 862.7 | 862.7 | 862.7  | 866.7  | 874.4  | 880.2  | 879.7  |
| 175°   | 868.0 | 868.0 | 868.0 | 868.0 | 866.2 | 863.9 | 862.7  | 865.2  | 870.1  | 873.9  | 873.9  |
| 177.5° | 868.0 | 868.0 | 868.0 | 868.0 | 866.7 | 864.9 | 864.0  | 865.9  | 869.7  | 872.6  | 872.1  |
| 180°   | 868.0 | 868.0 | 868.0 | 868.0 | 868.0 | 868.0 | 868.0  | 868.0  | 868.0  | 868.0  | 868.0  |

TEST NUMBER: P938586

CATALOG NUMBER: SQ4-FB-150U-125D-B2750-1D-UNV-W2A-W-4-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 491.5  | 491.5  |
| 2.5°   | 524.7  | 521.5  |
| 5°     | 674.8  | 678.0  |
| 7.5°   | 908.8  | 907.2  |
| 10°    | 1130.0 | 1144.2 |
| 12.5°  | 1291.2 | 1294.3 |
| 15°    | 1389.2 | 1395.5 |
| 17.5°  | 1427.2 | 1428.7 |
| 20°    | 1428.7 | 1425.6 |
| 22.5°  | 1411.3 | 1408.2 |
| 25°    | 1390.7 | 1389.2 |
| 27.5°  | 1371.8 | 1373.4 |
| 30°    | 1363.9 | 1368.7 |
| 32.5°  | 1363.9 | 1371.8 |
| 35°    | 1367.1 | 1374.9 |
| 37.5°  | 1365.5 | 1374.9 |
| 40°    | 1359.2 | 1370.2 |
| 42.5°  | 1341.8 | 1349.6 |
| 45°    | 1314.9 | 1324.4 |
| 47.5°  | 1280.1 | 1286.5 |
| 50°    | 1235.9 | 1242.2 |
| 52.5°  | 1180.6 | 1182.2 |
| 55°    | 1114.2 | 1120.5 |
| 57.5°  | 1043.1 | 1044.7 |
| 60°    | 964.1  | 968.8  |
| 62.5°  | 880.3  | 880.3  |
| 65°    | 791.8  | 794.9  |
| 67.5°  | 700.1  | 708.1  |
| 70°    | 606.9  | 608.5  |
| 72.5°  | 515.2  | 515.2  |
| 75°    | 420.4  | 422.0  |
| 77.5°  | 330.3  | 330.3  |
| 80°    | 245.0  | 246.6  |
| 82.5°  | 169.1  | 172.2  |
| 85°    | 105.9  | 105.9  |
| 87.5°  | 49.0   | 44.3   |
| 90°    | 22.1   | 22.1   |
| 92.5°  | 88.6   | 71.1   |
| 95°    | 309.1  | 255.7  |
| 97.5°  | 740.6  | 639.0  |
| 100°   | 1067.0 | 946.0  |
| 102.5° | 1388.1 | 1284.5 |
| 105°   | 1797.5 | 1741.8 |
| 107.5° | 2065.6 | 2079.1 |
| 110°   | 2167.9 | 2225.9 |





TEST NUMBER: P938586

CATALOG NUMBER: SQ4-FB-150U-125D-B2750-1D-UNV-W2A-W-4-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 2177.1 | 2266.1 |
| 115°   | 2119.3 | 2242.8 |
| 117.5° | 1996.9 | 2133.8 |
| 120°   | 1898.3 | 2031.4 |
| 122.5° | 1802.2 | 1933.5 |
| 125°   | 1665.1 | 1786.1 |
| 127.5° | 1541.9 | 1643.9 |
| 130°   | 1469.3 | 1563.5 |
| 132.5° | 1403.3 | 1487.8 |
| 135°   | 1313.1 | 1385.9 |
| 137.5° | 1240.7 | 1300.2 |
| 140°   | 1190.9 | 1246.6 |
| 142.5° | 1149.8 | 1197.7 |
| 145°   | 1088.1 | 1124.3 |
| 147.5° | 1040.7 | 1070.7 |
| 150°   | 1010.9 | 1035.2 |
| 152.5° | 985.4  | 1003.7 |
| 155°   | 956.0  | 968.2  |
| 157.5° | 932.8  | 941.4  |
| 160°   | 919.0  | 923.9  |
| 162.5° | 909.9  | 914.6  |
| 165°   | 896.8  | 901.8  |
| 167.5° | 887.5  | 889.5  |
| 170°   | 884.9  | 884.9  |
| 172.5° | 878.0  | 876.2  |
| 175°   | 873.9  | 873.9  |
| 177.5° | 870.0  | 868.0  |
| 180°   | 868.0  | 868.0  |

TEST NUMBER: P938586

CATALOG NUMBER: SQ4-FB-150U-125D-B2750-1D-UNV-W2A-W-4-5000K

**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 | 5.31             | 6.12  | 6.34  | 7.16  | 8.56  | 18.45          | 19.26 | 19.48 | 20.30 | 21.70 |
|                 | 3H   | 6.01             | 6.74  | 7.05  | 7.79  | 9.21  | 20.27          | 21.00 | 21.31 | 22.05 | 23.47 |
|                 | 4H   | 6.31             | 7.00  | 7.36  | 8.05  | 9.48  | 20.90          | 21.59 | 21.95 | 22.64 | 24.07 |
|                 | 6H   | 6.56             | 7.19  | 7.62  | 8.25  | 9.69  | 21.32          | 21.95 | 22.38 | 23.01 | 24.45 |
|                 | 8H   | 6.63             | 7.23  | 7.69  | 8.30  | 9.74  | 21.43          | 22.04 | 22.50 | 23.11 | 24.54 |
|                 | 12H  | 6.64             | 7.22  | 7.71  | 8.28  | 9.74  | 21.49          | 22.07 | 22.56 | 23.13 | 24.59 |
| 4H              | 2H   | 12.50            | 13.19 | 13.55 | 14.24 | 15.66 | 18.72          | 19.41 | 19.78 | 20.46 | 21.89 |
|                 | 3H   | 14.06            | 14.64 | 15.13 | 15.72 | 17.16 | 20.75          | 21.32 | 21.81 | 22.40 | 23.84 |
|                 | 4H   | 14.15            | 14.68 | 15.23 | 15.75 | 17.22 | 21.50          | 22.03 | 22.57 | 23.10 | 24.56 |
|                 | 6H   | 14.16            | 14.62 | 15.24 | 15.71 | 17.17 | 22.02          | 22.48 | 23.10 | 23.57 | 25.03 |
|                 | 8H   | 14.14            | 14.56 | 15.22 | 15.65 | 17.12 | 22.18          | 22.60 | 23.26 | 23.69 | 25.16 |
|                 | 12H  | 14.09            | 14.48 | 15.19 | 15.58 | 17.05 | 22.26          | 22.65 | 23.36 | 23.75 | 25.22 |
| 8H              | 4H   | 15.58            | 16.01 | 16.67 | 17.10 | 18.57 | 21.56          | 21.98 | 22.64 | 23.07 | 24.54 |
|                 | 6H   | 15.82            | 16.18 | 16.93 | 17.30 | 18.77 | 22.17          | 22.52 | 23.28 | 23.65 | 25.12 |
|                 | 8H   | 15.84            | 16.15 | 16.95 | 17.26 | 18.75 | 22.38          | 22.69 | 23.49 | 23.80 | 25.29 |
|                 | 12H  | 15.81            | 16.08 | 16.92 | 17.19 | 18.71 | 22.52          | 22.79 | 23.63 | 23.89 | 25.42 |
| 12H             | 4H   | 15.72            | 16.11 | 16.82 | 17.21 | 18.68 | 21.51          | 21.89 | 22.61 | 22.99 | 24.47 |
|                 | 6H   | 16.08            | 16.39 | 17.19 | 17.50 | 18.99 | 22.15          | 22.46 | 23.26 | 23.57 | 25.06 |
|                 | 8H   | 16.14            | 16.42 | 17.26 | 17.52 | 19.05 | 22.37          | 22.65 | 23.49 | 23.75 | 25.28 |