

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: P936986

Luminaire Tested: SQ4-FB-050U-125D-B2750-1D-UNV-W2A-W-4-5000K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P936986  
REPORT IS A COMBINATION OF REPORTS P933472 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-050U-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**

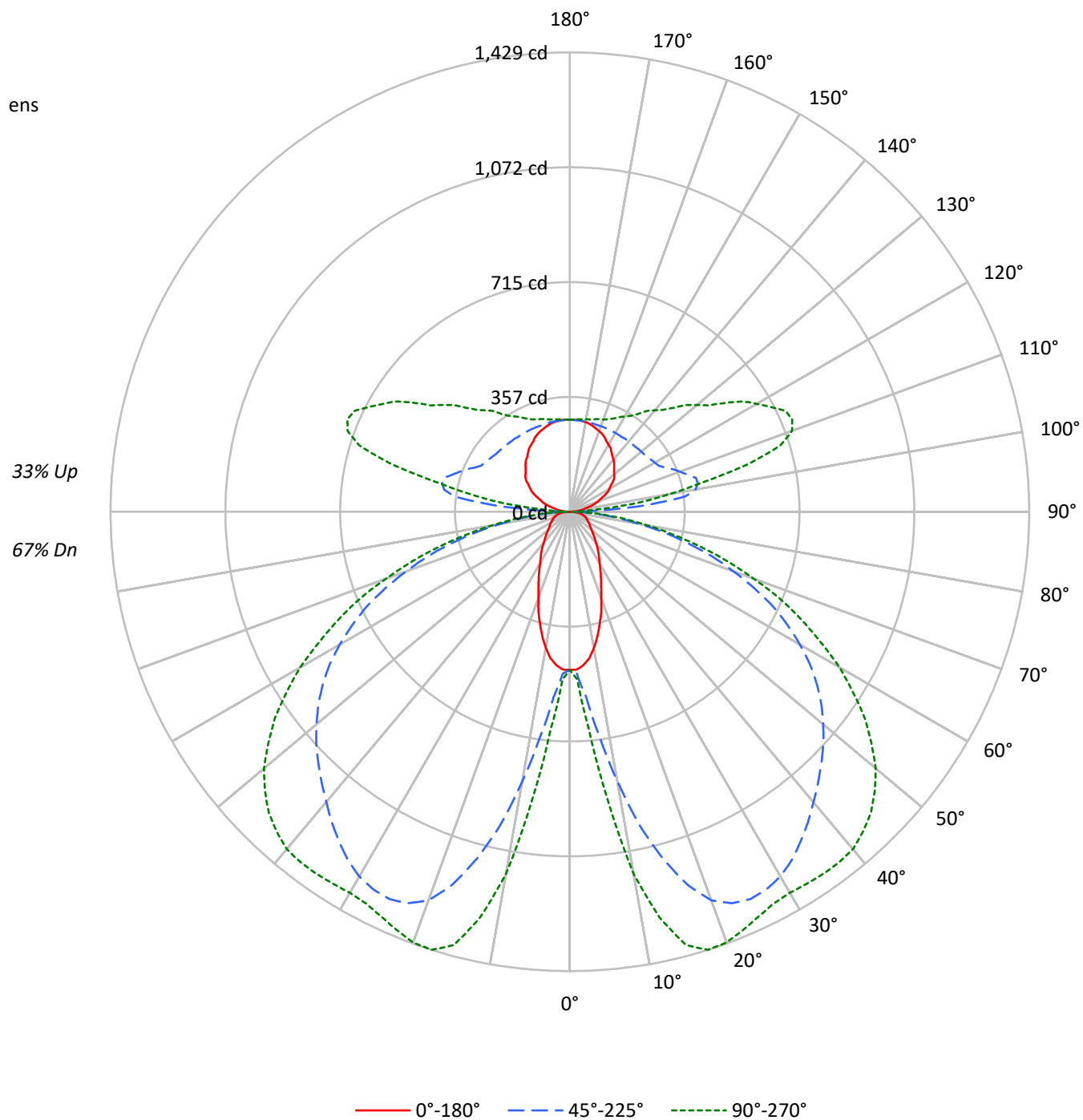
Lumens per Lamp: N/A  
Luminaire Lumens: 5662.8 lumens  
Efficiency: N/A  
Efficacy: 101.1 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 56  
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: P936986

CATALOG NUMBER: SQ4-FB-050U-125D-B2750-1D-UNV-W2A-W-4-5000K

### Luminous Intensity Polar Plot



TEST NUMBER: P936986

CATALOG NUMBER: SQ4-FB-050U-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 |    |    | 0  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50 | 30 | 10 |  | 50 | 30 | 10 |  | 50 | 30 | 10 | 0  |
| RCR |     |     |     |     |     |     |     |     |    |    |    |  |    |    |    |  |    |    |    |    |
| 0   | 111 | 111 | 111 | 111 | 105 | 105 | 105 | 105 | 93 | 93 | 93 |  | 82 | 82 | 82 |  | 72 | 72 | 72 | 67 |
| 1   | 101 | 96  | 92  | 88  | 95  | 91  | 87  | 83  | 80 | 78 | 75 |  | 71 | 69 | 67 |  | 62 | 61 | 59 | 55 |
| 2   | 91  | 83  | 76  | 71  | 86  | 78  | 72  | 67  | 70 | 65 | 61 |  | 61 | 58 | 55 |  | 54 | 51 | 49 | 45 |
| 3   | 83  | 72  | 64  | 58  | 77  | 68  | 61  | 55  | 61 | 55 | 50 |  | 54 | 49 | 45 |  | 47 | 44 | 41 | 37 |
| 4   | 75  | 64  | 55  | 48  | 70  | 60  | 52  | 46  | 53 | 47 | 42 |  | 47 | 42 | 38 |  | 42 | 38 | 34 | 31 |
| 5   | 69  | 56  | 47  | 41  | 64  | 53  | 45  | 39  | 47 | 41 | 36 |  | 42 | 37 | 32 |  | 37 | 33 | 29 | 26 |
| 6   | 63  | 50  | 41  | 35  | 59  | 47  | 39  | 34  | 42 | 36 | 31 |  | 38 | 32 | 28 |  | 33 | 29 | 25 | 23 |
| 7   | 58  | 45  | 36  | 30  | 55  | 43  | 35  | 29  | 38 | 32 | 27 |  | 34 | 29 | 24 |  | 30 | 26 | 22 | 20 |
| 8   | 54  | 41  | 32  | 27  | 51  | 39  | 31  | 26  | 35 | 28 | 24 |  | 31 | 26 | 22 |  | 27 | 23 | 20 | 17 |
| 9   | 50  | 37  | 29  | 24  | 47  | 35  | 28  | 23  | 32 | 25 | 21 |  | 28 | 23 | 19 |  | 25 | 21 | 17 | 15 |
| 10  | 47  | 34  | 26  | 21  | 44  | 32  | 25  | 20  | 29 | 23 | 19 |  | 26 | 21 | 17 |  | 23 | 19 | 16 | 14 |

**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: P936986

CATALOG NUMBER: SQ4-FB-050U-125D-B2750-1D-UNV-W2A-W-4-5000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 63.6   | 1.1       |
| 10°-20°   | 281.8  | 5.0       |
| 20°-30°   | 492.9  | 8.7       |
| 30°-40°   | 634.5  | 11.2      |
| 40°-50°   | 708.7  | 12.5      |
| 50°-60°   | 678.8  | 12.0      |
| 60°-70°   | 537.9  | 9.5       |
| 70°-80°   | 316.3  | 5.6       |
| 80°-90°   | 89.0   | 1.6       |
| 90°-100°  | 139.8  | 2.5       |
| 100°-110° | 367.6  | 6.5       |
| 110°-120° | 381.1  | 6.7       |
| 120°-130° | 305.7  | 5.4       |
| 130°-140° | 239.9  | 4.2       |
| 140°-150° | 184.1  | 3.3       |
| 150°-160° | 132.6  | 2.3       |
| 160°-170° | 81.1   | 1.4       |
| 170°-180° | 27.4   | 0.5       |
| 0°-30°    | 838.2  | 14.8      |
| 0°-40°    | 1472.7 | 26.0      |
| 0°-60°    | 2860.2 | 50.5      |
| 0°-90°    | 3803.4 | 67.2      |
| 90°-120°  | 888.5  | 15.7      |
| 90°-150°  | 1618.3 | 28.6      |
| 90°-180°  | 1859.0 | 32.8      |
| 0°-180°   | 5662.8 | 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°  | 2   | 5     | 15   | 7     | 7    | 3    |
| 95°  | 18  | 72    | 241  | 124   | 84   | 21   |
| 105° | 66  | 100   | 406  | 617   | 576  | 70   |
| 115° | 118 | 143   | 326  | 649   | 741  | 116  |
| 125° | 164 | 183   | 296  | 500   | 590  | 145  |
| 135° | 195 | 215   | 287  | 404   | 458  | 151  |
| 145° | 226 | 241   | 283  | 345   | 372  | 142  |
| 155° | 256 | 263   | 283  | 311   | 320  | 117  |
| 165° | 276 | 280   | 283  | 294   | 298  | 78   |
| 175° | 287 | 287   | 285  | 289   | 289  | 27   |
| 180° | 287 | 287   | 287  | 287   | 287  |      |

TEST NUMBER: P936986

CATALOG NUMBER: SQ4-FB-050U-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°    | 2.0   | 3.5   | 5.0   | 5.4   | 8.5    | 12.6   | 14.7   | 13.0   | 9.7    | 7.3    | 7.3    |
| 92.5°  | 7.7   | 20.7  | 33.9  | 37.2  | 52.2   | 72.3   | 82.4   | 72.2   | 51.8   | 36.6   | 35.1   |
| 95°    | 18.5  | 42.4  | 66.4  | 72.4  | 128.5  | 203.3  | 240.8  | 214.8  | 163.0  | 124.1  | 119.7  |
| 97.5°  | 31.9  | 53.1  | 74.2  | 79.5  | 173.1  | 297.9  | 360.3  | 344.0  | 311.2  | 286.6  | 278.2  |
| 100°   | 42.3  | 61.5  | 80.7  | 85.5  | 189.3  | 327.8  | 397.1  | 398.4  | 400.8  | 402.6  | 392.6  |
| 102.5° | 51.2  | 69.1  | 87.0  | 91.4  | 196.8  | 337.3  | 407.5  | 428.4  | 470.2  | 501.5  | 492.9  |
| 105°   | 66.2  | 81.4  | 96.5  | 100.3 | 202.3  | 338.4  | 406.4  | 453.2  | 546.8  | 617.0  | 612.4  |
| 107.5° | 81.6  | 95.7  | 109.8 | 113.4 | 203.3  | 323.4  | 383.3  | 448.6  | 579.2  | 677.1  | 678.2  |
| 110°   | 92.0  | 104.7 | 117.5 | 120.7 | 201.8  | 310.0  | 364.1  | 437.0  | 583.0  | 692.5  | 697.2  |

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CATALOG NUMBER: SQ4-FB-050U-125D-B2750-1D-UNV-W2A-W-4-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°   | 60°   | 67.5° | 70°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 102.2 | 114.3 | 126.5 | 129.5 | 201.8 | 298.3 | 346.5 | 421.2 | 570.6 | 682.7 | 690.0 |
| 115°   | 117.6 | 128.8 | 140.0 | 142.8 | 203.7 | 284.9 | 325.5 | 397.4 | 541.3 | 649.3 | 659.5 |
| 117.5° | 132.8 | 143.0 | 153.2 | 155.7 | 207.5 | 276.6 | 311.1 | 376.0 | 505.9 | 603.3 | 614.6 |
| 120°   | 141.7 | 151.3 | 160.8 | 163.3 | 210.6 | 273.8 | 305.3 | 364.6 | 483.3 | 572.4 | 583.4 |
| 122.5° | 150.4 | 160.1 | 169.7 | 172.1 | 215.0 | 272.3 | 300.8 | 354.3 | 461.2 | 541.3 | 552.2 |
| 125°   | 163.6 | 172.4 | 181.2 | 183.4 | 221.0 | 271.0 | 296.1 | 341.5 | 432.3 | 500.3 | 510.3 |
| 127.5° | 174.4 | 183.3 | 192.2 | 194.5 | 227.0 | 270.4 | 292.1 | 331.0 | 408.9 | 467.4 | 475.8 |
| 130°   | 180.2 | 189.8 | 199.3 | 201.7 | 231.4 | 270.8 | 290.5 | 325.2 | 394.6 | 446.6 | 454.4 |
| 132.5° | 186.1 | 195.8 | 205.3 | 207.7 | 234.9 | 271.0 | 289.2 | 320.2 | 382.3 | 428.9 | 435.9 |
| 135°   | 195.0 | 203.7 | 212.5 | 214.6 | 238.7 | 270.8 | 286.8 | 312.8 | 364.8 | 403.9 | 409.8 |
| 137.5° | 204.1 | 212.7 | 221.4 | 223.5 | 244.5 | 272.4 | 286.5 | 308.4 | 352.4 | 385.4 | 390.3 |
| 140°   | 211.6 | 219.5 | 227.5 | 229.5 | 248.0 | 272.7 | 285.1 | 304.1 | 342.1 | 370.6 | 375.2 |
| 142.5° | 217.3 | 224.7 | 232.0 | 233.9 | 251.0 | 273.7 | 285.1 | 301.8 | 335.1 | 360.2 | 364.1 |
| 145°   | 226.2 | 232.6 | 239.0 | 240.6 | 254.8 | 273.8 | 283.2 | 296.8 | 324.1 | 344.6 | 347.5 |
| 147.5° | 235.1 | 241.3 | 247.5 | 249.1 | 260.5 | 275.6 | 283.2 | 293.9 | 315.4 | 331.5 | 334.0 |
| 150°   | 240.8 | 246.4 | 252.1 | 253.5 | 263.4 | 276.6 | 283.2 | 292.2 | 310.4 | 324.0 | 326.1 |
| 152.5° | 246.8 | 251.1 | 255.4 | 256.4 | 265.3 | 277.2 | 283.2 | 290.9 | 306.4 | 318.0 | 319.5 |
| 155°   | 255.6 | 258.8 | 262.0 | 262.7 | 269.6 | 278.6 | 283.2 | 289.4 | 301.7 | 310.9 | 312.0 |
| 157.5° | 262.2 | 265.3 | 268.3 | 269.1 | 273.8 | 280.0 | 283.2 | 288.0 | 297.6 | 304.8 | 305.5 |
| 160°   | 266.7 | 269.0 | 271.4 | 272.0 | 275.7 | 280.7 | 283.2 | 287.3 | 295.5 | 301.7 | 302.1 |
| 162.5° | 271.0 | 272.8 | 274.6 | 275.1 | 277.8 | 281.4 | 283.2 | 286.6 | 293.6 | 298.8 | 299.2 |
| 165°   | 275.9 | 277.5 | 279.2 | 279.5 | 280.8 | 282.3 | 283.2 | 285.6 | 290.6 | 294.3 | 294.7 |
| 167.5° | 280.3 | 281.0 | 281.8 | 282.0 | 283.0 | 284.4 | 285.1 | 286.7 | 290.0 | 292.4 | 292.6 |
| 170°   | 283.2 | 283.9 | 284.7 | 284.9 | 285.0 | 285.1 | 285.1 | 286.7 | 290.0 | 292.4 | 292.4 |
| 172.5° | 284.7 | 284.9 | 285.1 | 285.1 | 285.1 | 285.1 | 285.1 | 286.4 | 288.9 | 290.8 | 290.7 |
| 175°   | 286.8 | 286.8 | 286.8 | 286.8 | 286.3 | 285.4 | 285.1 | 285.9 | 287.6 | 288.8 | 288.8 |
| 177.5° | 286.8 | 286.8 | 286.8 | 286.8 | 286.4 | 285.8 | 285.5 | 286.2 | 287.5 | 288.4 | 288.2 |
| 180°   | 286.8 | 286.8 | 286.8 | 286.8 | 286.8 | 286.8 | 286.8 | 286.8 | 286.8 | 286.8 | 286.8 |

TEST NUMBER: P936986

CATALOG NUMBER: SQ4-FB-050U-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°    | 7.3    | 7.3    |
| 92.5°  | 29.3   | 23.4   |
| 95°    | 102.1  | 84.5   |
| 97.5°  | 244.7  | 211.2  |
| 100°   | 352.6  | 312.6  |
| 102.5° | 458.7  | 424.5  |
| 105°   | 594.0  | 575.6  |
| 107.5° | 682.6  | 687.1  |
| 110°   | 716.4  | 735.5  |

TEST NUMBER: P936986

CATALOG NUMBER: SQ4-FB-050U-125D-B2750-1D-UNV-W2A-W-4-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°   | 90°   |
|--------|-------|-------|
| 112.5° | 719.5 | 748.9 |
| 115°   | 700.3 | 741.1 |
| 117.5° | 659.9 | 705.2 |
| 120°   | 627.3 | 671.3 |
| 122.5° | 595.6 | 638.9 |
| 125°   | 550.2 | 590.2 |
| 127.5° | 509.5 | 543.2 |
| 130°   | 485.6 | 516.7 |
| 132.5° | 463.7 | 491.7 |
| 135°   | 433.9 | 457.9 |
| 137.5° | 409.9 | 429.6 |
| 140°   | 393.6 | 412.0 |
| 142.5° | 380.0 | 395.8 |
| 145°   | 359.6 | 371.5 |
| 147.5° | 343.9 | 353.8 |
| 150°   | 334.1 | 342.1 |
| 152.5° | 325.6 | 331.7 |
| 155°   | 316.0 | 320.0 |
| 157.5° | 308.3 | 311.1 |
| 160°   | 303.7 | 305.3 |
| 162.5° | 300.7 | 302.2 |
| 165°   | 296.4 | 298.0 |
| 167.5° | 293.3 | 293.9 |
| 170°   | 292.4 | 292.4 |
| 172.5° | 290.1 | 289.5 |
| 175°   | 288.8 | 288.8 |
| 177.5° | 287.6 | 286.8 |
| 180°   | 286.8 | 286.8 |

TEST NUMBER: P936986

CATALOG NUMBER: SQ4-FB-050U-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 | 7.69             | 8.79  | 8.48  | 9.60  | 10.60 | 20.83          | 21.93 | 21.61 | 22.74 | 23.74 |
|                 | 3H   | 8.41             | 9.40  | 9.21  | 10.23 | 11.26 | 22.67          | 23.66 | 23.47 | 24.48 | 25.51 |
|                 | 4H   | 8.72             | 9.66  | 9.54  | 10.49 | 11.53 | 23.32          | 24.25 | 24.13 | 25.08 | 26.12 |
|                 | 6H   | 8.99             | 9.85  | 9.82  | 10.69 | 11.75 | 23.75          | 24.61 | 24.58 | 25.45 | 26.50 |
|                 | 8H   | 9.06             | 9.89  | 9.90  | 10.75 | 11.80 | 23.87          | 24.69 | 24.71 | 25.55 | 26.61 |
|                 | 12H  | 9.09             | 9.88  | 9.93  | 10.73 | 11.81 | 23.94          | 24.72 | 24.78 | 25.58 | 26.66 |
| 4H              | 2H   | 14.91            | 15.84 | 15.73 | 16.68 | 17.72 | 21.13          | 22.07 | 21.95 | 22.90 | 23.94 |
|                 | 3H   | 16.50            | 17.29 | 17.33 | 18.15 | 19.21 | 23.18          | 23.97 | 24.02 | 24.84 | 25.89 |
|                 | 4H   | 16.61            | 17.32 | 17.45 | 18.19 | 19.27 | 23.95          | 24.67 | 24.80 | 25.53 | 26.61 |
|                 | 6H   | 16.63            | 17.25 | 17.49 | 18.14 | 19.23 | 24.49          | 25.11 | 25.35 | 26.00 | 27.09 |
|                 | 8H   | 16.61            | 17.20 | 17.48 | 18.08 | 19.18 | 24.65          | 25.24 | 25.52 | 26.12 | 27.22 |
|                 | 12H  | 16.58            | 17.11 | 17.47 | 18.01 | 19.12 | 24.75          | 25.28 | 25.64 | 26.18 | 27.28 |
| 8H              | 4H   | 18.06            | 18.64 | 18.93 | 19.52 | 20.62 | 24.03          | 24.61 | 24.90 | 25.50 | 26.60 |
|                 | 6H   | 18.31            | 18.80 | 19.21 | 19.72 | 20.82 | 24.66          | 25.14 | 25.56 | 26.07 | 27.17 |
|                 | 8H   | 18.34            | 18.77 | 19.24 | 19.68 | 20.80 | 24.88          | 25.31 | 25.78 | 26.22 | 27.34 |
|                 | 12H  | 18.32            | 18.69 | 19.22 | 19.60 | 20.77 | 25.02          | 25.40 | 25.93 | 26.31 | 27.48 |
| 12H             | 4H   | 18.21            | 18.74 | 19.10 | 19.64 | 20.75 | 24.00          | 24.52 | 24.88 | 25.43 | 26.53 |
|                 | 6H   | 18.57            | 19.00 | 19.48 | 19.92 | 21.04 | 24.65          | 25.08 | 25.55 | 25.99 | 27.11 |
|                 | 8H   | 18.65            | 19.03 | 19.56 | 19.94 | 21.11 | 24.88          | 25.26 | 25.79 | 26.17 | 27.34 |