

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: P936696

Luminaire Tested: SQ4-FB-050U-050D-B2750-1D-UNV-W2A-W-8-5000K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P936696  
REPORT IS A COMBINATION OF REPORTS P933485 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-050U-050D-B2750-1D-UNV-W2A-W-8-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

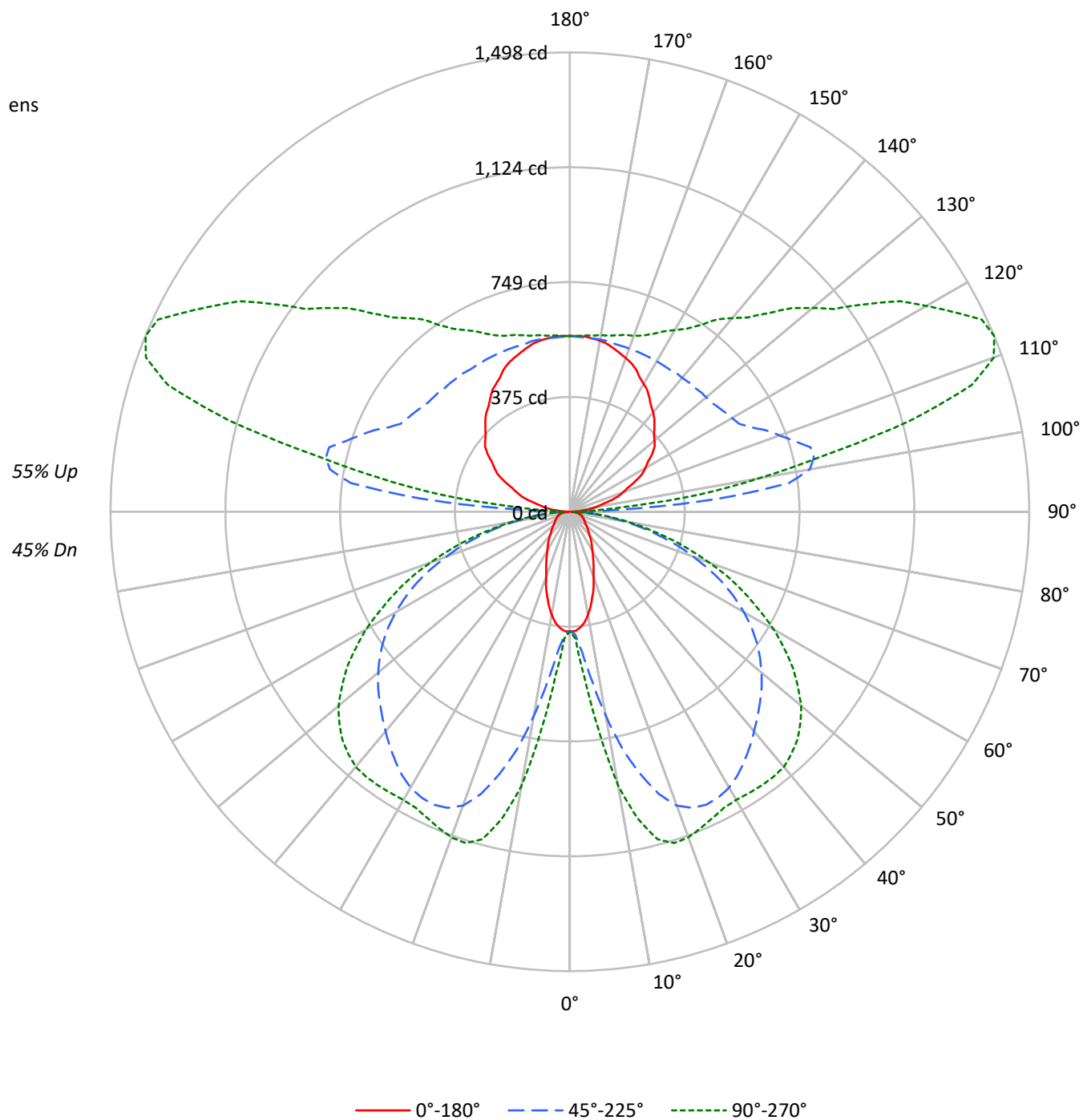
Lumens per Lamp: N/A  
Luminaire Lumens: 6735.1 lumens  
Efficiency: N/A  
Efficacy: 118.6 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 56.8  
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: P936696

CATALOG NUMBER: SQ4-FB-050U-050D-B2750-1D-UNV-W2A-W-8-5000K

### Luminous Intensity Polar Plot



TEST NUMBER: P936696

CATALOG NUMBER: SQ4-FB-050U-050D-B2750-1D-UNV-W2A-W-8-5000K

**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   | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 51 | 51 | 51 |
| 1   | 96  | 92  | 88  | 84  | 88 | 84 | 81 | 77 | 70 | 67 | 65 | 57 | 55 | 53 | 45 | 43 | 42 |
| 2   | 87  | 79  | 73  | 68  | 79 | 73 | 67 | 63 | 60 | 56 | 53 | 49 | 46 | 44 | 39 | 37 | 35 |
| 3   | 79  | 69  | 62  | 56  | 72 | 64 | 57 | 52 | 53 | 48 | 44 | 43 | 39 | 36 | 34 | 31 | 29 |
| 4   | 72  | 61  | 53  | 47  | 66 | 56 | 49 | 43 | 47 | 41 | 37 | 38 | 34 | 31 | 30 | 27 | 24 |
| 5   | 66  | 54  | 46  | 39  | 60 | 50 | 42 | 37 | 41 | 36 | 31 | 34 | 29 | 26 | 26 | 23 | 21 |
| 6   | 60  | 48  | 40  | 34  | 55 | 44 | 37 | 31 | 37 | 31 | 27 | 30 | 26 | 22 | 24 | 21 | 18 |
| 7   | 56  | 43  | 35  | 29  | 51 | 40 | 32 | 27 | 33 | 28 | 23 | 27 | 23 | 20 | 21 | 18 | 16 |
| 8   | 51  | 39  | 31  | 26  | 47 | 36 | 29 | 24 | 30 | 25 | 21 | 25 | 20 | 17 | 20 | 16 | 14 |
| 9   | 48  | 35  | 28  | 23  | 44 | 33 | 26 | 21 | 27 | 22 | 18 | 23 | 18 | 15 | 18 | 15 | 12 |
| 10  | 45  | 32  | 25  | 20  | 41 | 30 | 23 | 19 | 25 | 20 | 16 | 21 | 17 | 14 | 17 | 13 | 11 |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 1808 | 1808 | 1808 |
| 5°  | 1766 | 2089 | 2430 |
| 10° | 1602 | 3046 | 4028 |
| 15° | 1361 | 3979 | 4864 |
| 20° | 1108 | 4611 | 4957 |
| 25° | 925  | 4825 | 4856 |
| 30° | 779  | 4855 | 4847 |
| 35° | 689  | 4775 | 4973 |
| 40° | 601  | 4670 | 5102 |
| 45° | 544  | 4593 | 5122 |
| 50° | 499  | 4525 | 5037 |
| 55° | 478  | 4423 | 4814 |
| 60° | 490  | 4229 | 4461 |
| 65° | 509  | 3934 | 3977 |
| 70° | 543  | 3430 | 3360 |
| 75° | 601  | 2797 | 2622 |
| 80° | 656  | 1939 | 1766 |
| 85° | 582  | 1030 | 905  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5122 cd/sqm

TEST NUMBER: P936696

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 50.4   | 0.7       |
| 10°-20°   | 223.4  | 3.3       |
| 20°-30°   | 390.7  | 5.8       |
| 30°-40°   | 502.9  | 7.5       |
| 40°-50°   | 561.8  | 8.3       |
| 50°-60°   | 538.1  | 8.0       |
| 60°-70°   | 426.4  | 6.3       |
| 70°-80°   | 250.7  | 3.7       |
| 80°-90°   | 71.9   | 1.1       |
| 90°-100°  | 279.6  | 4.2       |
| 100°-110° | 735.2  | 10.9      |
| 110°-120° | 762.3  | 11.3      |
| 120°-130° | 611.4  | 9.1       |
| 130°-140° | 479.8  | 7.1       |
| 140°-150° | 368.3  | 5.5       |
| 150°-160° | 265.2  | 3.9       |
| 160°-170° | 162.3  | 2.4       |
| 170°-180° | 54.8   | 0.8       |
| 0°-30°    | 664.5  | 9.9       |
| 0°-40°    | 1167.4 | 17.3      |
| 0°-60°    | 2267.2 | 33.7      |
| 0°-90°    | 3016.2 | 44.8      |
| 90°-120°  | 1777.1 | 26.4      |
| 90°-150°  | 3236.6 | 48.1      |
| 90°-180°  | 3719.0 | 55.2      |
| 0°-180°   | 6735.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|-----|-------|------|-------|------|------|
| 0°   | 390 | 390   | 390  | 390   | 390  |      |
| 5°   | 380 | 407   | 458  | 519   | 537  | 35   |
| 15°  | 284 | 525   | 884  | 1072  | 1106 | 79   |
| 25°  | 182 | 595   | 1054 | 1100  | 1101 | 84   |
| 35°  | 123 | 569   | 992  | 1049  | 1090 | 77   |
| 45°  | 84  | 454   | 877  | 1005  | 1050 | 65   |
| 55°  | 60  | 288   | 744  | 864   | 888  | 55   |
| 65°  | 48  | 153   | 552  | 621   | 630  | 47   |
| 75°  | 35  | 94    | 303  | 333   | 334  | 37   |
| 85°  | 12  | 29    | 75   | 83    | 84   | 13   |
| 90°  | 4   | 11    | 29   | 15    | 15   | 4    |
| 95°  | 37  | 145   | 482  | 248   | 169  | 41   |
| 105° | 132 | 201   | 813  | 1234  | 1151 | 140  |
| 115° | 235 | 286   | 651  | 1299  | 1482 | 232  |
| 125° | 327 | 367   | 592  | 1001  | 1180 | 291  |
| 135° | 390 | 429   | 574  | 808   | 916  | 302  |
| 145° | 452 | 481   | 566  | 689   | 743  | 283  |
| 155° | 511 | 526   | 566  | 622   | 640  | 235  |
| 165° | 552 | 559   | 566  | 589   | 596  | 156  |
| 175° | 574 | 574   | 570  | 578   | 578  | 54   |
| 180° | 574 | 574   | 574  | 574   | 574  |      |

TEST NUMBER: P936696

CATALOG NUMBER: SQ4-FB-050U-050D-B2750-1D-UNV-W2A-W-8-5000K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0°     | 389.6 | 389.6 | 389.6 | 389.6 | 389.6 | 389.6  | 389.6  | 389.6  | 389.6  | 389.6  | 389.6  |
| 2.5°   | 389.6 | 389.6 | 392.1 | 393.4 | 395.8 | 397.1  | 399.7  | 402.2  | 409.7  | 410.9  | 413.4  |
| 5°     | 379.6 | 384.6 | 400.9 | 407.1 | 424.7 | 448.5  | 458.5  | 474.8  | 508.7  | 518.7  | 524.9  |
| 7.5°   | 364.5 | 375.8 | 415.9 | 425.9 | 469.8 | 532.4  | 558.7  | 593.8  | 647.6  | 674.0  | 695.3  |
| 10°    | 340.7 | 364.5 | 436.0 | 459.8 | 531.2 | 626.3  | 675.3  | 724.1  | 805.5  | 841.8  | 855.6  |
| 12.5°  | 314.5 | 353.2 | 457.3 | 489.8 | 592.5 | 731.6  | 790.5  | 844.3  | 937.1  | 985.9  | 993.4  |
| 15°    | 284.4 | 337.0 | 477.3 | 524.9 | 657.7 | 819.3  | 884.5  | 950.8  | 1037.3 | 1072.3 | 1081.1 |
| 17.5°  | 258.1 | 324.5 | 496.1 | 546.2 | 707.8 | 898.2  | 964.6  | 1019.7 | 1089.9 | 1113.7 | 1120.0 |
| 20°    | 225.5 | 304.4 | 508.7 | 573.8 | 760.5 | 955.9  | 1019.7 | 1062.3 | 1110.0 | 1125.0 | 1127.5 |
| 22.5°  | 201.7 | 283.1 | 516.1 | 583.8 | 795.5 | 991.0  | 1044.8 | 1078.7 | 1111.2 | 1116.2 | 1117.4 |
| 25°    | 181.7 | 259.3 | 514.9 | 595.1 | 825.6 | 1012.3 | 1053.6 | 1078.7 | 1097.4 | 1100.0 | 1100.0 |
| 27.5°  | 162.9 | 233.0 | 509.9 | 597.6 | 848.2 | 1017.2 | 1049.8 | 1067.4 | 1076.2 | 1081.1 | 1081.1 |
| 30°    | 146.5 | 208.0 | 497.4 | 592.5 | 858.2 | 1012.3 | 1038.5 | 1047.3 | 1056.1 | 1063.6 | 1067.4 |
| 32.5°  | 134.0 | 184.2 | 478.6 | 582.5 | 859.4 | 999.7  | 1018.5 | 1023.5 | 1036.0 | 1053.6 | 1059.8 |
| 35°    | 122.7 | 160.4 | 457.3 | 568.7 | 851.9 | 979.7  | 992.2  | 997.2  | 1022.3 | 1048.6 | 1057.3 |
| 37.5°  | 111.5 | 142.8 | 429.7 | 545.0 | 840.6 | 955.9  | 964.6  | 973.4  | 1012.3 | 1043.6 | 1053.6 |
| 40°    | 100.2 | 127.8 | 397.1 | 518.7 | 823.0 | 927.1  | 934.6  | 948.4  | 999.7  | 1036.0 | 1046.1 |
| 42.5°  | 91.4  | 115.3 | 362.0 | 491.1 | 800.5 | 894.5  | 905.8  | 925.8  | 984.7  | 1023.5 | 1034.8 |
| 45°    | 84.0  | 102.7 | 324.5 | 453.5 | 771.7 | 860.7  | 876.9  | 904.5  | 967.2  | 1004.7 | 1014.7 |
| 47.5°  | 76.4  | 94.0  | 285.6 | 414.7 | 740.4 | 826.9  | 848.2  | 879.5  | 943.3  | 979.7  | 988.5  |
| 50°    | 70.1  | 85.2  | 246.8 | 373.3 | 706.6 | 790.5  | 815.6  | 848.2  | 913.3  | 947.1  | 958.4  |
| 52.5°  | 65.1  | 77.7  | 210.4 | 331.9 | 667.7 | 752.9  | 781.8  | 815.6  | 876.9  | 909.5  | 917.0  |
| 55°    | 60.1  | 71.5  | 179.1 | 288.1 | 627.6 | 712.8  | 744.1  | 776.7  | 836.9  | 864.4  | 869.5  |
| 57.5°  | 57.6  | 66.4  | 152.8 | 246.8 | 585.1 | 667.7  | 702.8  | 732.9  | 789.2  | 810.5  | 815.6  |
| 60°    | 53.9  | 62.7  | 132.8 | 211.7 | 538.7 | 625.1  | 655.2  | 685.3  | 732.9  | 750.4  | 754.2  |
| 62.5°  | 50.2  | 60.1  | 117.8 | 177.9 | 491.1 | 575.1  | 605.0  | 632.7  | 672.8  | 685.3  | 690.3  |
| 65°    | 47.6  | 57.6  | 106.5 | 152.8 | 442.2 | 522.4  | 552.5  | 576.3  | 608.9  | 621.4  | 623.9  |
| 67.5°  | 45.1  | 55.1  | 97.7  | 131.5 | 393.4 | 469.8  | 492.3  | 514.9  | 539.9  | 552.5  | 553.7  |
| 70°    | 41.4  | 52.6  | 90.2  | 116.5 | 343.2 | 409.7  | 428.4  | 452.2  | 472.3  | 478.6  | 482.3  |
| 72.5°  | 38.9  | 48.8  | 85.2  | 105.3 | 291.9 | 352.0  | 369.6  | 383.3  | 400.9  | 407.1  | 407.1  |
| 75°    | 35.1  | 43.8  | 80.1  | 94.0  | 239.3 | 288.1  | 303.2  | 316.9  | 330.7  | 333.3  | 329.5  |
| 77.5°  | 31.3  | 38.9  | 68.9  | 78.9  | 186.7 | 228.0  | 240.5  | 248.1  | 259.3  | 261.8  | 263.1  |
| 80°    | 26.3  | 33.8  | 53.9  | 61.4  | 135.3 | 167.8  | 176.6  | 182.9  | 193.0  | 193.0  | 195.4  |
| 82.5°  | 20.1  | 26.3  | 38.9  | 43.8  | 91.4  | 115.3  | 122.7  | 126.6  | 132.8  | 132.8  | 132.8  |
| 85°    | 12.5  | 16.3  | 25.0  | 28.8  | 55.1  | 70.1   | 75.2   | 76.4   | 81.4   | 82.7   | 82.7   |
| 87.5°  | 6.3   | 8.8   | 16.3  | 17.6  | 28.8  | 36.3   | 36.3   | 38.9   | 38.9   | 37.5   | 36.3   |
| 90°    | 3.8   | 6.9   | 10.0  | 10.7  | 16.9  | 25.1   | 29.2   | 26.0   | 19.5   | 14.7   | 14.7   |
| 92.5°  | 15.4  | 41.6  | 67.8  | 74.3  | 104.5 | 144.7  | 164.8  | 144.4  | 103.7  | 73.1   | 70.2   |
| 95°    | 37.0  | 84.9  | 132.8 | 144.8 | 257.0 | 406.8  | 481.7  | 429.8  | 326.2  | 248.4  | 239.6  |
| 97.5°  | 63.9  | 106.1 | 148.4 | 159.0 | 346.2 | 595.9  | 720.8  | 688.0  | 622.4  | 573.3  | 556.5  |
| 100°   | 84.7  | 123.0 | 161.3 | 170.9 | 378.7 | 655.8  | 794.3  | 796.7  | 801.5  | 805.0  | 785.0  |
| 102.5° | 102.5 | 138.2 | 173.9 | 182.9 | 393.6 | 674.6  | 815.1  | 856.9  | 940.4  | 1002.9 | 985.8  |
| 105°   | 132.4 | 162.7 | 193.1 | 200.6 | 404.7 | 676.8  | 812.8  | 906.4  | 1093.6 | 1234.0 | 1224.8 |
| 107.5° | 163.3 | 191.5 | 219.7 | 226.8 | 406.7 | 646.6  | 766.5  | 897.1  | 1158.3 | 1354.1 | 1356.4 |
| 110°   | 184.0 | 209.5 | 235.1 | 241.4 | 403.7 | 619.9  | 728.1  | 874.0  | 1165.9 | 1384.8 | 1394.5 |

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CATALOG NUMBER: SQ4-FB-050U-050D-B2750-1D-UNV-W2A-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°   | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 112.5° | 204.5 | 228.7 | 253.0 | 259.1 | 403.8 | 596.6 | 693.0 | 842.4 | 1141.2 | 1365.2 | 1380.0 |
| 115°   | 235.3 | 257.7 | 280.1 | 285.7 | 407.5 | 569.9 | 651.1 | 795.0 | 1082.8 | 1298.6 | 1319.0 |
| 117.5° | 265.6 | 286.0 | 306.4 | 311.5 | 415.1 | 553.1 | 622.1 | 752.1 | 1011.8 | 1206.6 | 1229.2 |
| 120°   | 283.4 | 302.5 | 321.8 | 326.5 | 421.2 | 547.5 | 610.6 | 729.3 | 966.6  | 1144.6 | 1166.6 |
| 122.5° | 300.7 | 320.0 | 339.3 | 344.2 | 430.0 | 544.5 | 601.8 | 708.6 | 922.4  | 1082.7 | 1104.4 |
| 125°   | 327.3 | 344.8 | 362.5 | 366.9 | 442.0 | 542.1 | 592.2 | 682.9 | 864.5  | 1000.7 | 1020.7 |
| 127.5° | 348.8 | 366.6 | 384.3 | 388.8 | 453.9 | 540.7 | 584.0 | 662.0 | 817.9  | 934.8  | 951.7  |
| 130°   | 360.3 | 379.5 | 398.7 | 403.5 | 462.6 | 541.5 | 580.9 | 650.3 | 789.1  | 893.2  | 908.8  |
| 132.5° | 372.3 | 391.4 | 410.7 | 415.4 | 469.7 | 542.1 | 578.3 | 640.4 | 764.7  | 857.8  | 871.7  |
| 135°   | 390.0 | 407.5 | 424.9 | 429.3 | 477.4 | 541.5 | 573.7 | 625.7 | 729.7  | 807.7  | 819.8  |
| 137.5° | 408.2 | 425.4 | 442.7 | 447.0 | 488.9 | 544.9 | 572.9 | 616.9 | 704.9  | 770.8  | 780.6  |
| 140°   | 423.1 | 439.1 | 455.0 | 459.0 | 496.0 | 545.5 | 570.2 | 608.2 | 684.2  | 741.1  | 750.3  |
| 142.5° | 434.7 | 449.3 | 464.1 | 467.7 | 501.9 | 547.4 | 570.2 | 603.6 | 670.3  | 720.4  | 728.3  |
| 145°   | 452.4 | 465.2 | 478.1 | 481.3 | 509.7 | 547.5 | 566.4 | 593.7 | 648.3  | 689.2  | 695.2  |
| 147.5° | 470.1 | 482.6 | 495.1 | 498.2 | 520.9 | 551.2 | 566.4 | 587.9 | 630.7  | 663.0  | 667.9  |
| 150°   | 481.7 | 493.0 | 504.3 | 507.1 | 526.9 | 553.2 | 566.4 | 584.5 | 620.8  | 648.0  | 652.0  |
| 152.5° | 493.6 | 502.2 | 510.7 | 512.9 | 530.7 | 554.5 | 566.4 | 581.9 | 612.8  | 636.1  | 639.1  |
| 155°   | 511.3 | 517.6 | 524.0 | 525.6 | 539.2 | 557.3 | 566.4 | 578.7 | 603.3  | 621.8  | 623.8  |
| 157.5° | 524.3 | 530.5 | 536.7 | 538.3 | 547.6 | 560.1 | 566.4 | 575.9 | 595.1  | 609.4  | 610.8  |
| 160°   | 533.2 | 538.1 | 542.8 | 544.1 | 551.5 | 561.4 | 566.4 | 574.6 | 590.9  | 603.3  | 604.1  |
| 162.5° | 542.1 | 545.7 | 549.3 | 550.2 | 555.6 | 562.8 | 566.4 | 573.3 | 587.2  | 597.6  | 598.3  |
| 165°   | 551.7 | 555.0 | 558.2 | 559.0 | 561.4 | 564.7 | 566.4 | 571.3 | 581.2  | 588.7  | 589.5  |
| 167.5° | 560.6 | 562.1 | 563.7 | 564.0 | 566.1 | 568.8 | 570.2 | 573.5 | 580.0  | 584.9  | 585.2  |
| 170°   | 566.4 | 567.9 | 569.5 | 569.8 | 569.9 | 570.1 | 570.2 | 573.5 | 580.0  | 584.9  | 584.9  |
| 172.5° | 569.5 | 569.8 | 570.1 | 570.2 | 570.2 | 570.2 | 570.2 | 572.8 | 578.0  | 581.8  | 581.5  |
| 175°   | 573.7 | 573.7 | 573.7 | 573.7 | 572.5 | 571.0 | 570.2 | 571.8 | 575.1  | 577.5  | 577.5  |
| 177.5° | 573.7 | 573.7 | 573.7 | 573.7 | 572.7 | 571.5 | 571.0 | 572.3 | 574.8  | 576.7  | 576.4  |
| 180°   | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7  | 573.7  | 573.7  |

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CATALOG NUMBER: SQ4-FB-050U-050D-B2750-1D-UNV-W2A-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 389.6  | 389.6  |
| 2.5°   | 415.9  | 413.4  |
| 5°     | 534.9  | 537.4  |
| 7.5°   | 720.3  | 719.1  |
| 10°    | 895.7  | 907.0  |
| 12.5°  | 1023.5 | 1026.0 |
| 15°    | 1101.2 | 1106.2 |
| 17.5°  | 1131.3 | 1132.5 |
| 20°    | 1132.5 | 1130.0 |
| 22.5°  | 1118.7 | 1116.2 |
| 25°    | 1102.4 | 1101.2 |
| 27.5°  | 1087.4 | 1088.7 |
| 30°    | 1081.1 | 1084.9 |
| 32.5°  | 1081.1 | 1087.4 |
| 35°    | 1083.6 | 1089.9 |
| 37.5°  | 1082.4 | 1089.9 |
| 40°    | 1077.4 | 1086.1 |
| 42.5°  | 1063.6 | 1069.9 |
| 45°    | 1042.3 | 1049.8 |
| 47.5°  | 1014.7 | 1019.7 |
| 50°    | 979.7  | 984.7  |
| 52.5°  | 935.8  | 937.1  |
| 55°    | 883.2  | 888.2  |
| 57.5°  | 826.9  | 828.1  |
| 60°    | 764.2  | 767.9  |
| 62.5°  | 697.8  | 697.8  |
| 65°    | 627.6  | 630.2  |
| 67.5°  | 555.0  | 561.2  |
| 70°    | 481.1  | 482.3  |
| 72.5°  | 408.4  | 408.4  |
| 75°    | 333.3  | 334.5  |
| 77.5°  | 261.8  | 261.8  |
| 80°    | 194.2  | 195.4  |
| 82.5°  | 134.0  | 136.6  |
| 85°    | 84.0   | 84.0   |
| 87.5°  | 38.9   | 35.1   |
| 90°    | 14.7   | 14.7   |
| 92.5°  | 58.6   | 47.0   |
| 95°    | 204.3  | 169.1  |
| 97.5°  | 489.4  | 422.4  |
| 100°   | 705.2  | 625.2  |
| 102.5° | 917.4  | 848.9  |
| 105°   | 1188.0 | 1151.2 |
| 107.5° | 1365.2 | 1374.1 |
| 110°   | 1432.8 | 1471.1 |



TEST NUMBER: P936696

CATALOG NUMBER: SQ4-FB-050U-050D-B2750-1D-UNV-W2A-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 1438.8 | 1497.7 |
| 115°   | 1400.6 | 1482.3 |
| 117.5° | 1319.8 | 1410.3 |
| 120°   | 1254.5 | 1342.5 |
| 122.5° | 1191.1 | 1277.9 |
| 125°   | 1100.5 | 1180.5 |
| 127.5° | 1019.1 | 1086.5 |
| 130°   | 971.1  | 1033.4 |
| 132.5° | 927.6  | 983.3  |
| 135°   | 867.9  | 916.0  |
| 137.5° | 820.1  | 859.4  |
| 140°   | 787.1  | 823.9  |
| 142.5° | 759.9  | 791.6  |
| 145°   | 719.2  | 743.1  |
| 147.5° | 687.8  | 707.7  |
| 150°   | 668.1  | 684.2  |
| 152.5° | 651.3  | 663.4  |
| 155°   | 631.9  | 639.9  |
| 157.5° | 616.5  | 622.1  |
| 160°   | 607.4  | 610.6  |
| 162.5° | 601.4  | 604.5  |
| 165°   | 592.7  | 596.0  |
| 167.5° | 586.6  | 588.0  |
| 170°   | 584.9  | 584.9  |
| 172.5° | 580.3  | 579.1  |
| 175°   | 577.5  | 577.5  |
| 177.5° | 575.1  | 573.7  |
| 180°   | 573.7  | 573.7  |

TEST NUMBER: P936696

CATALOG NUMBER: SQ4-FB-050U-050D-B2750-1D-UNV-W2A-W-8-5000K

**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 | 2.57             | 3.41  | 3.56  | 4.42  | 5.77  | 15.75          | 16.59 | 16.74 | 17.60 | 18.95 |
|                 | 3H   | 3.27             | 4.03  | 4.27  | 5.05  | 6.41  | 17.58          | 18.35 | 18.59 | 19.37 | 20.73 |
|                 | 4H   | 3.57             | 4.29  | 4.58  | 5.31  | 6.68  | 18.23          | 18.95 | 19.24 | 19.97 | 21.34 |
|                 | 6H   | 3.82             | 4.48  | 4.84  | 5.51  | 6.89  | 18.66          | 19.33 | 19.69 | 20.35 | 21.73 |
|                 | 8H   | 3.88             | 4.52  | 4.92  | 5.56  | 6.94  | 18.78          | 19.42 | 19.81 | 20.46 | 21.84 |
|                 | 12H  | 3.90             | 4.51  | 4.94  | 5.54  | 6.95  | 18.85          | 19.45 | 19.88 | 20.49 | 21.89 |
| 4H              | 2H   | 9.78             | 10.50 | 10.80 | 11.53 | 12.89 | 16.02          | 16.74 | 17.04 | 17.76 | 19.13 |
|                 | 3H   | 11.35            | 11.95 | 12.38 | 13.00 | 14.39 | 18.06          | 18.67 | 19.09 | 19.72 | 21.10 |
|                 | 4H   | 11.44            | 12.00 | 12.48 | 13.04 | 14.44 | 18.83          | 19.38 | 19.87 | 20.43 | 21.83 |
|                 | 6H   | 11.45            | 11.93 | 12.50 | 13.00 | 14.40 | 19.37          | 19.85 | 20.42 | 20.91 | 22.31 |
|                 | 8H   | 11.43            | 11.87 | 12.48 | 12.93 | 14.35 | 19.53          | 19.98 | 20.58 | 21.04 | 22.45 |
|                 | 12H  | 11.38            | 11.79 | 12.45 | 12.86 | 14.28 | 19.62          | 20.03 | 20.69 | 21.10 | 22.52 |
| 8H              | 4H   | 12.88            | 13.33 | 13.94 | 14.39 | 15.81 | 18.89          | 19.34 | 19.94 | 20.39 | 21.81 |
|                 | 6H   | 13.13            | 13.50 | 14.20 | 14.60 | 16.01 | 19.52          | 19.89 | 20.59 | 20.99 | 22.40 |
|                 | 8H   | 13.14            | 13.47 | 14.23 | 14.55 | 15.99 | 19.74          | 20.06 | 20.82 | 21.15 | 22.58 |
|                 | 12H  | 13.11            | 13.40 | 14.20 | 14.48 | 15.95 | 19.88          | 20.17 | 20.97 | 21.25 | 22.72 |
| 12H             | 4H   | 13.03            | 13.43 | 14.10 | 14.51 | 15.93 | 18.84          | 19.25 | 19.91 | 20.32 | 21.74 |
|                 | 6H   | 13.38            | 13.71 | 14.47 | 14.79 | 16.23 | 19.50          | 19.83 | 20.58 | 20.91 | 22.34 |
|                 | 8H   | 13.45            | 13.74 | 14.54 | 14.82 | 16.29 | 19.73          | 20.02 | 20.82 | 21.10 | 22.57 |