

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: P937984

Luminaire Tested: SQ4-FB-125U-075D-B2750-1D-UNV-STD-W-4-3500K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P937984  
REPORT IS A COMBINATION OF REPORTS P933598 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-125U-075D-B2750-1D-UNV-STD-W-4-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

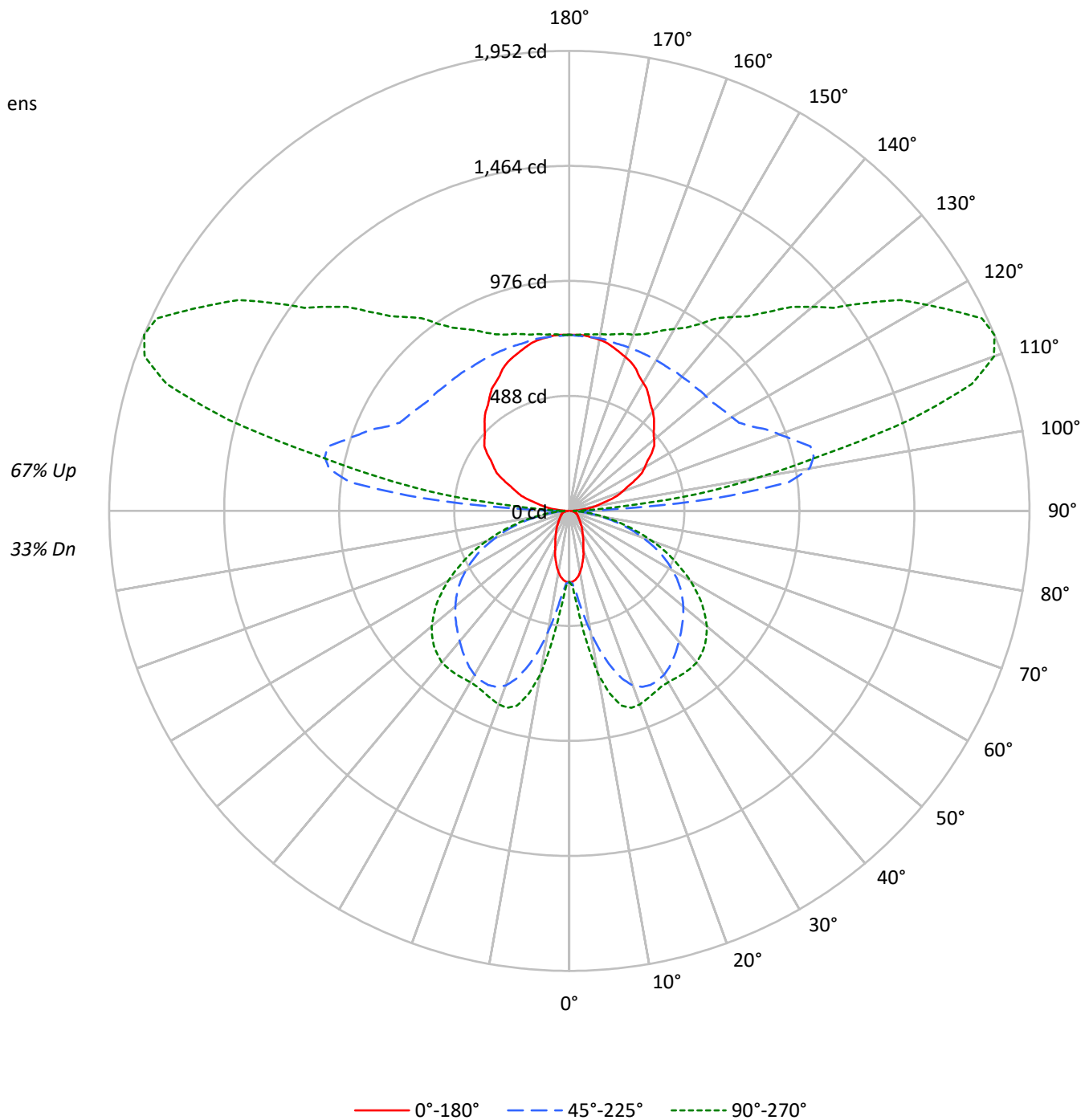
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7180.2 lumens  
Efficiency: N/A  
Efficacy: 129.1 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-Indirect

Input Watts (W): 55.6  
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: P937984  
CATALOG NUMBER: SQ4-FB-125U-075D-B2750-1D-UNV-STD-W-4-3500K

### Luminous Intensity Polar Plot





TEST NUMBER: P937984

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**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   | 103 | 103 | 103 | 103 | 93 | 93 | 93 | 93 | 74 | 74 | 74 | 56 | 56 | 56 | 40 | 40 | 40 | 33 |
| 1   | 94  | 89  | 85  | 82  | 84 | 80 | 77 | 74 | 64 | 62 | 60 | 49 | 47 | 46 | 35 | 34 | 33 | 27 |
| 2   | 85  | 77  | 71  | 66  | 76 | 70 | 65 | 60 | 55 | 52 | 49 | 42 | 40 | 38 | 30 | 29 | 27 | 22 |
| 3   | 77  | 68  | 60  | 54  | 69 | 61 | 55 | 50 | 49 | 44 | 40 | 37 | 34 | 31 | 26 | 24 | 23 | 18 |
| 4   | 70  | 59  | 52  | 46  | 63 | 54 | 47 | 42 | 43 | 38 | 34 | 33 | 29 | 26 | 23 | 21 | 19 | 15 |
| 5   | 64  | 53  | 45  | 39  | 57 | 48 | 41 | 35 | 38 | 33 | 29 | 29 | 25 | 23 | 21 | 18 | 16 | 13 |
| 6   | 59  | 47  | 39  | 33  | 53 | 42 | 35 | 30 | 34 | 29 | 25 | 26 | 22 | 19 | 19 | 16 | 14 | 11 |
| 7   | 54  | 42  | 34  | 29  | 49 | 38 | 31 | 26 | 31 | 25 | 22 | 23 | 20 | 17 | 17 | 14 | 12 | 10 |
| 8   | 50  | 38  | 30  | 25  | 45 | 34 | 28 | 23 | 28 | 23 | 19 | 21 | 18 | 15 | 15 | 13 | 11 | 8  |
| 9   | 47  | 34  | 27  | 22  | 42 | 31 | 25 | 20 | 25 | 20 | 17 | 19 | 16 | 13 | 14 | 12 | 10 | 7  |
| 10  | 43  | 31  | 24  | 19  | 39 | 28 | 22 | 18 | 23 | 18 | 15 | 18 | 14 | 12 | 13 | 10 | 9  | 7  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 2797 | 2797 | 2797 |
| 5°  | 2729 | 3230 | 3759 |
| 10° | 2473 | 4704 | 6232 |
| 15° | 2099 | 6142 | 7524 |
| 20° | 1707 | 7112 | 7668 |
| 25° | 1422 | 7437 | 7513 |
| 30° | 1198 | 7478 | 7499 |
| 35° | 1058 | 7348 | 7692 |
| 40° | 919  | 7181 | 7893 |
| 45° | 831  | 7056 | 7923 |
| 50° | 761  | 6943 | 7792 |
| 55° | 726  | 6780 | 7447 |
| 60° | 742  | 6473 | 6902 |
| 65° | 767  | 6011 | 6152 |
| 70° | 812  | 5232 | 5198 |
| 75° | 889  | 4255 | 4056 |
| 80° | 950  | 2940 | 2734 |
| 85° | 803  | 1551 | 1398 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 7923 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 39.0   | 0.5       |
| 10°-20°   | 172.8  | 2.4       |
| 20°-30°   | 302.2  | 4.2       |
| 30°-40°   | 389.0  | 5.4       |
| 40°-50°   | 434.5  | 6.1       |
| 50°-60°   | 416.2  | 5.8       |
| 60°-70°   | 329.8  | 4.6       |
| 70°-80°   | 193.9  | 2.7       |
| 80°-90°   | 56.7   | 0.8       |
| 90°-100°  | 364.4  | 5.1       |
| 100°-110° | 958.0  | 13.3      |
| 110°-120° | 993.4  | 13.8      |
| 120°-130° | 796.8  | 11.1      |
| 130°-140° | 625.2  | 8.7       |
| 140°-150° | 479.9  | 6.7       |
| 150°-160° | 345.6  | 4.8       |
| 160°-170° | 211.4  | 2.9       |
| 170°-180° | 71.4   | 1.0       |
| 0°-30°    | 514.0  | 7.2       |
| 0°-40°    | 903.0  | 12.6      |
| 0°-60°    | 1753.7 | 24.4      |
| 0°-90°    | 2334.2 | 32.5      |
| 90°-120°  | 2315.8 | 32.3      |
| 90°-150°  | 4217.6 | 58.7      |
| 90°-180°  | 4846.0 | 67.5      |
| 0°-180°   | 7180.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|-----|-------|------|-------|------|------|
| 0°   | 301 | 301   | 301  | 301   | 301  |      |
| 5°   | 294 | 315   | 355  | 401   | 416  | 27   |
| 15°  | 220 | 406   | 684  | 830   | 856  | 61   |
| 25°  | 140 | 460   | 815  | 851   | 852  | 65   |
| 35°  | 95  | 440   | 767  | 811   | 843  | 59   |
| 45°  | 65  | 351   | 678  | 777   | 812  | 50   |
| 55°  | 46  | 223   | 576  | 669   | 687  | 42   |
| 65°  | 37  | 118   | 427  | 481   | 487  | 37   |
| 75°  | 27  | 73    | 234  | 258   | 259  | 28   |
| 85°  | 10  | 22    | 58   | 64    | 65   | 10   |
| 90°  | 5   | 14    | 38   | 19    | 19   | 5    |
| 95°  | 48  | 189   | 628  | 324   | 220  | 53   |
| 105° | 173 | 261   | 1059 | 1608  | 1500 | 183  |
| 115° | 306 | 372   | 848  | 1692  | 1932 | 303  |
| 125° | 426 | 478   | 772  | 1304  | 1538 | 379  |
| 135° | 508 | 559   | 748  | 1053  | 1194 | 393  |
| 145° | 590 | 627   | 738  | 898   | 968  | 369  |
| 155° | 666 | 685   | 738  | 810   | 834  | 306  |
| 165° | 719 | 728   | 738  | 767   | 777  | 203  |
| 175° | 748 | 748   | 743  | 752   | 752  | 71   |
| 180° | 748 | 748   | 748  | 748   | 748  |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 0°     | 301.4 | 301.4 | 301.4 | 301.4 | 301.4 | 301.4 | 301.4  | 301.4  | 301.4  | 301.4  | 301.4  |
| 2.5°   | 301.4 | 301.4 | 303.3 | 304.3 | 306.2 | 307.2 | 309.1  | 311.0  | 316.9  | 317.8  | 319.8  |
| 5°     | 293.6 | 297.5 | 310.1 | 314.9 | 328.5 | 346.9 | 354.7  | 367.3  | 393.4  | 401.2  | 406.0  |
| 7.5°   | 282.0 | 290.7 | 321.7 | 329.5 | 363.4 | 411.8 | 432.2  | 459.3  | 501.0  | 521.3  | 537.8  |
| 10°    | 263.6 | 282.0 | 337.2 | 355.6 | 410.9 | 484.5 | 522.3  | 560.1  | 623.1  | 651.2  | 661.8  |
| 12.5°  | 243.2 | 273.3 | 353.7 | 378.9 | 458.3 | 565.9 | 611.4  | 653.1  | 724.8  | 762.6  | 768.4  |
| 15°    | 220.0 | 260.7 | 369.2 | 406.0 | 508.7 | 633.7 | 684.1  | 735.5  | 802.3  | 829.5  | 836.2  |
| 17.5°  | 199.6 | 251.0 | 383.7 | 422.5 | 547.5 | 694.8 | 746.1  | 788.8  | 843.0  | 861.4  | 866.3  |
| 20°    | 174.4 | 235.5 | 393.4 | 443.8 | 588.2 | 739.3 | 788.8  | 821.7  | 858.5  | 870.2  | 872.1  |
| 22.5°  | 156.0 | 219.0 | 399.2 | 451.6 | 615.3 | 766.5 | 808.1  | 834.3  | 859.5  | 863.4  | 864.3  |
| 25°    | 140.5 | 200.6 | 398.3 | 460.3 | 638.6 | 783.0 | 814.9  | 834.3  | 848.8  | 850.8  | 850.8  |
| 27.5°  | 126.0 | 180.2 | 394.4 | 462.2 | 656.0 | 786.8 | 812.0  | 825.6  | 832.4  | 836.2  | 836.2  |
| 30°    | 113.4 | 160.9 | 384.7 | 458.3 | 663.8 | 783.0 | 803.3  | 810.1  | 816.9  | 822.7  | 825.6  |
| 32.5°  | 103.7 | 142.4 | 370.2 | 450.6 | 664.7 | 773.3 | 787.8  | 791.7  | 801.4  | 814.9  | 819.8  |
| 35°    | 95.0  | 124.0 | 353.7 | 439.9 | 658.9 | 757.8 | 767.4  | 771.3  | 790.7  | 811.1  | 817.8  |
| 37.5°  | 86.2  | 110.5 | 332.4 | 421.5 | 650.2 | 739.3 | 746.1  | 752.9  | 783.0  | 807.2  | 814.9  |
| 40°    | 77.5  | 98.8  | 307.2 | 401.2 | 636.6 | 717.1 | 722.9  | 733.5  | 773.3  | 801.4  | 809.1  |
| 42.5°  | 70.7  | 89.1  | 280.0 | 379.8 | 619.2 | 691.9 | 700.6  | 716.1  | 761.6  | 791.7  | 800.4  |
| 45°    | 64.9  | 79.5  | 251.0 | 350.8 | 596.9 | 665.7 | 678.3  | 699.6  | 748.1  | 777.1  | 784.9  |
| 47.5°  | 59.1  | 72.7  | 220.9 | 320.7 | 572.7 | 639.5 | 656.0  | 680.2  | 729.7  | 757.8  | 764.5  |
| 50°    | 54.3  | 65.9  | 190.9 | 288.8 | 546.5 | 611.4 | 630.8  | 656.0  | 706.4  | 732.6  | 741.3  |
| 52.5°  | 50.4  | 60.1  | 162.8 | 256.8 | 516.5 | 582.4 | 604.7  | 630.8  | 678.3  | 703.5  | 709.3  |
| 55°    | 46.5  | 55.2  | 138.6 | 222.9 | 485.5 | 551.4 | 575.6  | 600.8  | 647.3  | 668.6  | 672.5  |
| 57.5°  | 44.6  | 51.4  | 118.2 | 190.9 | 452.5 | 516.5 | 543.6  | 566.9  | 610.5  | 626.9  | 630.8  |
| 60°    | 41.7  | 48.4  | 102.7 | 163.8 | 416.7 | 483.5 | 506.8  | 530.0  | 566.9  | 580.4  | 583.3  |
| 62.5°  | 38.8  | 46.5  | 91.1  | 137.6 | 379.8 | 444.8 | 468.0  | 489.3  | 520.4  | 530.0  | 533.9  |
| 65°    | 36.8  | 44.6  | 82.4  | 118.2 | 342.1 | 404.1 | 427.3  | 445.7  | 470.9  | 480.6  | 482.6  |
| 67.5°  | 34.9  | 42.6  | 75.6  | 101.7 | 304.3 | 363.4 | 380.8  | 398.3  | 417.6  | 427.3  | 428.3  |
| 70°    | 32.0  | 40.7  | 69.8  | 90.1  | 265.5 | 316.9 | 331.4  | 349.8  | 365.3  | 370.2  | 373.1  |
| 72.5°  | 30.0  | 37.8  | 65.9  | 81.4  | 225.8 | 272.3 | 285.9  | 296.5  | 310.1  | 314.9  | 314.9  |
| 75°    | 27.1  | 33.9  | 62.0  | 72.7  | 185.1 | 222.9 | 234.5  | 245.2  | 255.8  | 257.8  | 254.8  |
| 77.5°  | 24.2  | 30.0  | 53.3  | 61.0  | 144.4 | 176.4 | 186.0  | 191.9  | 200.6  | 202.5  | 203.5  |
| 80°    | 20.3  | 26.2  | 41.7  | 47.5  | 104.7 | 129.8 | 136.6  | 141.5  | 149.2  | 149.2  | 151.2  |
| 82.5°  | 15.5  | 20.3  | 30.0  | 33.9  | 70.7  | 89.1  | 95.0   | 97.9   | 102.7  | 102.7  | 102.7  |
| 85°    | 9.7   | 12.6  | 19.4  | 22.3  | 42.6  | 54.3  | 58.1   | 59.1   | 63.0   | 64.0   | 64.0   |
| 87.5°  | 4.8   | 6.8   | 12.6  | 13.6  | 22.3  | 28.1  | 28.1   | 30.0   | 30.0   | 29.1   | 28.1   |
| 90°    | 5.0   | 9.0   | 13.1  | 14.1  | 22.1  | 32.8  | 38.1   | 33.8   | 25.4   | 19.1   | 19.1   |
| 92.5°  | 20.1  | 54.2  | 88.3  | 96.8  | 136.1 | 188.6 | 214.7  | 188.2  | 135.2  | 95.3   | 91.6   |
| 95°    | 48.2  | 110.6 | 173.1 | 188.7 | 335.0 | 530.0 | 627.6  | 560.1  | 425.0  | 323.6  | 312.1  |
| 97.5°  | 83.2  | 138.3 | 193.4 | 207.2 | 451.2 | 776.5 | 939.2  | 896.4  | 811.1  | 747.0  | 725.2  |
| 100°   | 110.4 | 160.4 | 210.3 | 222.8 | 493.5 | 854.5 | 1035.0 | 1038.1 | 1044.4 | 1049.0 | 1023.0 |
| 102.5° | 133.4 | 180.0 | 226.6 | 238.3 | 512.9 | 879.1 | 1062.1 | 1116.6 | 1225.4 | 1307.0 | 1284.7 |
| 105°   | 172.6 | 212.1 | 251.6 | 261.4 | 527.3 | 881.9 | 1059.1 | 1181.1 | 1425.0 | 1608.0 | 1595.9 |
| 107.5° | 212.7 | 249.5 | 286.3 | 295.5 | 530.0 | 842.6 | 998.9  | 1169.1 | 1509.3 | 1764.5 | 1767.4 |
| 110°   | 239.8 | 273.1 | 306.2 | 314.5 | 526.0 | 807.9 | 948.7  | 1139.0 | 1519.4 | 1804.7 | 1817.2 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 112.5° | 266.4 | 298.1 | 329.7 | 337.6 | 526.1 | 777.4 | 903.1 | 1097.8 | 1487.1 | 1779.1 | 1798.3 |
| 115°   | 306.5 | 335.8 | 365.0 | 372.3 | 531.0 | 742.5 | 848.4 | 1035.9 | 1411.0 | 1692.3 | 1718.8 |
| 117.5° | 346.2 | 372.8 | 399.3 | 405.9 | 540.9 | 720.8 | 810.8 | 979.9  | 1318.4 | 1572.3 | 1601.8 |
| 120°   | 369.3 | 394.3 | 419.3 | 425.5 | 548.9 | 713.5 | 795.7 | 950.4  | 1259.6 | 1491.6 | 1520.3 |
| 122.5° | 391.9 | 417.1 | 442.3 | 448.6 | 560.5 | 709.6 | 784.2 | 923.5  | 1201.9 | 1410.8 | 1439.1 |
| 125°   | 426.5 | 449.4 | 472.4 | 478.1 | 576.0 | 706.4 | 771.6 | 889.9  | 1126.5 | 1303.9 | 1330.0 |
| 127.5° | 454.6 | 477.7 | 500.9 | 506.7 | 591.5 | 704.6 | 761.1 | 862.6  | 1065.8 | 1218.1 | 1240.1 |
| 130°   | 469.6 | 494.6 | 519.6 | 525.8 | 602.9 | 705.7 | 757.1 | 847.5  | 1028.3 | 1164.0 | 1184.2 |
| 132.5° | 485.2 | 510.2 | 535.2 | 541.4 | 612.1 | 706.4 | 753.6 | 834.5  | 996.4  | 1117.8 | 1136.0 |
| 135°   | 508.2 | 531.0 | 553.7 | 559.4 | 622.1 | 705.7 | 747.6 | 815.4  | 951.0  | 1052.6 | 1068.3 |
| 137.5° | 531.8 | 554.3 | 576.8 | 582.5 | 637.1 | 710.1 | 746.5 | 803.8  | 918.4  | 1004.4 | 1017.2 |
| 140°   | 551.4 | 572.1 | 592.8 | 598.1 | 646.4 | 710.9 | 743.0 | 792.5  | 891.6  | 965.8  | 977.8  |
| 142.5° | 566.4 | 585.6 | 604.8 | 609.6 | 654.1 | 713.4 | 743.0 | 786.5  | 873.5  | 938.7  | 948.9  |
| 145°   | 589.5 | 606.2 | 623.0 | 627.1 | 664.1 | 713.4 | 738.0 | 773.6  | 844.7  | 898.1  | 905.9  |
| 147.5° | 612.6 | 628.9 | 645.2 | 649.2 | 678.8 | 718.2 | 738.0 | 766.0  | 822.0  | 864.0  | 870.5  |
| 150°   | 627.6 | 642.4 | 657.1 | 660.8 | 686.5 | 720.8 | 738.0 | 761.6  | 808.9  | 844.4  | 849.6  |
| 152.5° | 643.2 | 654.4 | 665.5 | 668.3 | 691.6 | 722.5 | 738.0 | 758.1  | 798.6  | 828.8  | 832.8  |
| 155°   | 666.3 | 674.5 | 682.8 | 684.8 | 702.5 | 726.2 | 738.0 | 754.1  | 786.1  | 810.3  | 812.9  |
| 157.5° | 683.3 | 691.4 | 699.3 | 701.4 | 713.6 | 729.9 | 738.0 | 750.5  | 775.5  | 794.2  | 796.0  |
| 160°   | 694.9 | 701.1 | 707.4 | 708.9 | 718.6 | 731.5 | 738.0 | 748.6  | 770.1  | 786.1  | 787.2  |
| 162.5° | 706.4 | 711.1 | 715.8 | 717.0 | 723.9 | 733.3 | 738.0 | 747.0  | 765.1  | 778.7  | 779.7  |
| 165°   | 718.9 | 723.2 | 727.4 | 728.5 | 731.7 | 735.9 | 738.0 | 744.5  | 757.4  | 767.1  | 768.1  |
| 167.5° | 730.5 | 732.5 | 734.5 | 735.0 | 737.7 | 741.3 | 743.0 | 747.3  | 755.7  | 762.1  | 762.6  |
| 170°   | 738.0 | 740.0 | 742.1 | 742.5 | 742.7 | 742.9 | 743.0 | 747.3  | 755.7  | 762.1  | 762.1  |
| 172.5° | 742.1 | 742.4 | 742.9 | 743.0 | 743.0 | 743.0 | 743.0 | 746.3  | 753.0  | 758.0  | 757.7  |
| 175°   | 747.6 | 747.6 | 747.6 | 747.6 | 746.0 | 744.0 | 743.0 | 745.2  | 749.3  | 752.5  | 752.5  |
| 177.5° | 747.6 | 747.6 | 747.6 | 747.6 | 746.4 | 744.8 | 744.0 | 745.6  | 749.0  | 751.6  | 751.1  |
| 180°   | 747.6 | 747.6 | 747.6 | 747.6 | 747.6 | 747.6 | 747.6 | 747.6  | 747.6  | 747.6  | 747.6  |



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CATALOG NUMBER: SQ4-FB-125U-075D-B2750-1D-UNV-STD-W-4-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 301.4  | 301.4  |
| 2.5°   | 321.7  | 319.8  |
| 5°     | 413.8  | 415.7  |
| 7.5°   | 557.2  | 556.2  |
| 10°    | 692.8  | 701.6  |
| 12.5°  | 791.7  | 793.6  |
| 15°    | 851.8  | 855.6  |
| 17.5°  | 875.0  | 876.0  |
| 20°    | 876.0  | 874.0  |
| 22.5°  | 865.3  | 863.4  |
| 25°    | 852.7  | 851.8  |
| 27.5°  | 841.1  | 842.1  |
| 30°    | 836.2  | 839.2  |
| 32.5°  | 836.2  | 841.1  |
| 35°    | 838.2  | 843.0  |
| 37.5°  | 837.2  | 843.0  |
| 40°    | 833.3  | 840.1  |
| 42.5°  | 822.7  | 827.5  |
| 45°    | 806.2  | 812.0  |
| 47.5°  | 784.9  | 788.8  |
| 50°    | 757.8  | 761.6  |
| 52.5°  | 723.8  | 724.8  |
| 55°    | 683.1  | 687.0  |
| 57.5°  | 639.5  | 640.5  |
| 60°    | 591.1  | 594.0  |
| 62.5°  | 539.7  | 539.7  |
| 65°    | 485.5  | 487.4  |
| 67.5°  | 429.3  | 434.1  |
| 70°    | 372.1  | 373.1  |
| 72.5°  | 315.9  | 315.9  |
| 75°    | 257.8  | 258.7  |
| 77.5°  | 202.5  | 202.5  |
| 80°    | 150.2  | 151.2  |
| 82.5°  | 103.7  | 105.6  |
| 85°    | 64.9   | 64.9   |
| 87.5°  | 30.0   | 27.1   |
| 90°    | 19.1   | 19.1   |
| 92.5°  | 76.4   | 61.2   |
| 95°    | 266.2  | 220.3  |
| 97.5°  | 637.8  | 550.4  |
| 100°   | 918.9  | 814.7  |
| 102.5° | 1195.5 | 1106.3 |
| 105°   | 1548.1 | 1500.1 |
| 107.5° | 1779.0 | 1790.6 |
| 110°   | 1867.1 | 1917.0 |





TEST NUMBER: P937984

CATALOG NUMBER: SQ4-FB-125U-075D-B2750-1D-UNV-STD-W-4-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 1874.9 | 1951.7 |
| 115°   | 1825.2 | 1931.6 |
| 117.5° | 1719.8 | 1837.7 |
| 120°   | 1634.8 | 1749.4 |
| 122.5° | 1552.0 | 1665.1 |
| 125°   | 1434.0 | 1538.2 |
| 127.5° | 1327.9 | 1415.8 |
| 130°   | 1265.4 | 1346.6 |
| 132.5° | 1208.6 | 1281.3 |
| 135°   | 1130.9 | 1193.5 |
| 137.5° | 1068.5 | 1119.8 |
| 140°   | 1025.7 | 1073.7 |
| 142.5° | 990.2  | 1031.5 |
| 145°   | 937.1  | 968.3  |
| 147.5° | 896.2  | 922.1  |
| 150°   | 870.6  | 891.6  |
| 152.5° | 848.6  | 864.4  |
| 155°   | 823.4  | 833.8  |
| 157.5° | 803.4  | 810.8  |
| 160°   | 791.5  | 795.7  |
| 162.5° | 783.7  | 787.7  |
| 165°   | 772.4  | 776.7  |
| 167.5° | 764.3  | 766.1  |
| 170°   | 762.1  | 762.1  |
| 172.5° | 756.1  | 754.6  |
| 175°   | 752.5  | 752.5  |
| 177.5° | 749.3  | 747.6  |
| 180°   | 747.6  | 747.6  |



TEST NUMBER: P937984

CATALOG NUMBER: SQ4-FB-125U-075D-B2750-1D-UNV-STD-W-4-3500K

**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 | 2.70             | 3.45  | 3.79  | 4.54  | 6.04  | 15.84          | 16.59 | 16.93 | 17.68 | 19.17 |
|                 | 3H   | 3.40             | 4.07  | 4.49  | 5.17  | 6.68  | 17.66          | 18.32 | 18.75 | 19.42 | 20.94 |
|                 | 4H   | 3.69             | 4.33  | 4.80  | 5.43  | 6.95  | 18.28          | 18.92 | 19.39 | 20.02 | 21.54 |
|                 | 6H   | 3.93             | 4.52  | 5.05  | 5.62  | 7.16  | 18.70          | 19.28 | 19.81 | 20.39 | 21.92 |
|                 | 8H   | 4.00             | 4.56  | 5.12  | 5.68  | 7.20  | 18.81          | 19.37 | 19.93 | 20.48 | 22.01 |
|                 | 12H  | 4.01             | 4.54  | 5.14  | 5.66  | 7.21  | 18.86          | 19.39 | 19.99 | 20.51 | 22.06 |
| 4H              | 2H   | 9.88             | 10.51 | 10.99 | 11.61 | 13.13 | 16.10          | 16.74 | 17.22 | 17.84 | 19.36 |
|                 | 3H   | 11.44            | 11.97 | 12.56 | 13.09 | 14.63 | 18.12          | 18.65 | 19.24 | 19.78 | 21.31 |
|                 | 4H   | 11.53            | 12.02 | 12.65 | 13.13 | 14.69 | 18.87          | 19.36 | 20.00 | 20.48 | 22.03 |
|                 | 6H   | 11.53            | 11.95 | 12.66 | 13.09 | 14.64 | 19.39          | 19.81 | 20.53 | 20.95 | 22.50 |
|                 | 8H   | 11.50            | 11.90 | 12.64 | 13.03 | 14.59 | 19.54          | 19.94 | 20.68 | 21.07 | 22.63 |
|                 | 12H  | 11.46            | 11.81 | 12.60 | 12.95 | 14.52 | 19.62          | 19.98 | 20.77 | 21.12 | 22.69 |
| 8H              | 4H   | 12.95            | 13.34 | 14.08 | 14.47 | 16.04 | 18.92          | 19.32 | 20.06 | 20.45 | 22.01 |
|                 | 6H   | 13.19            | 13.51 | 14.34 | 14.69 | 16.24 | 19.54          | 19.86 | 20.69 | 21.03 | 22.59 |
|                 | 8H   | 13.20            | 13.49 | 14.36 | 14.64 | 16.22 | 19.75          | 20.03 | 20.91 | 21.18 | 22.76 |
|                 | 12H  | 13.17            | 13.42 | 14.33 | 14.57 | 16.18 | 19.88          | 20.13 | 21.04 | 21.28 | 22.89 |
| 12H             | 4H   | 13.09            | 13.44 | 14.23 | 14.58 | 16.15 | 18.87          | 19.23 | 20.02 | 20.37 | 21.94 |
|                 | 6H   | 13.44            | 13.73 | 14.60 | 14.88 | 16.46 | 19.52          | 19.80 | 20.68 | 20.95 | 22.53 |
|                 | 8H   | 13.50            | 13.75 | 14.67 | 14.90 | 16.52 | 19.73          | 19.98 | 20.90 | 21.13 | 22.75 |