

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: P937832

Luminaire Tested: SQ4-FB-125U-050D-92765-1D-UNV-STD-W-4-3000K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P937832  
REPORT IS A COMBINATION OF REPORTS P933597 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-125U-050D-92765-1D-UNV-STD-W-4-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

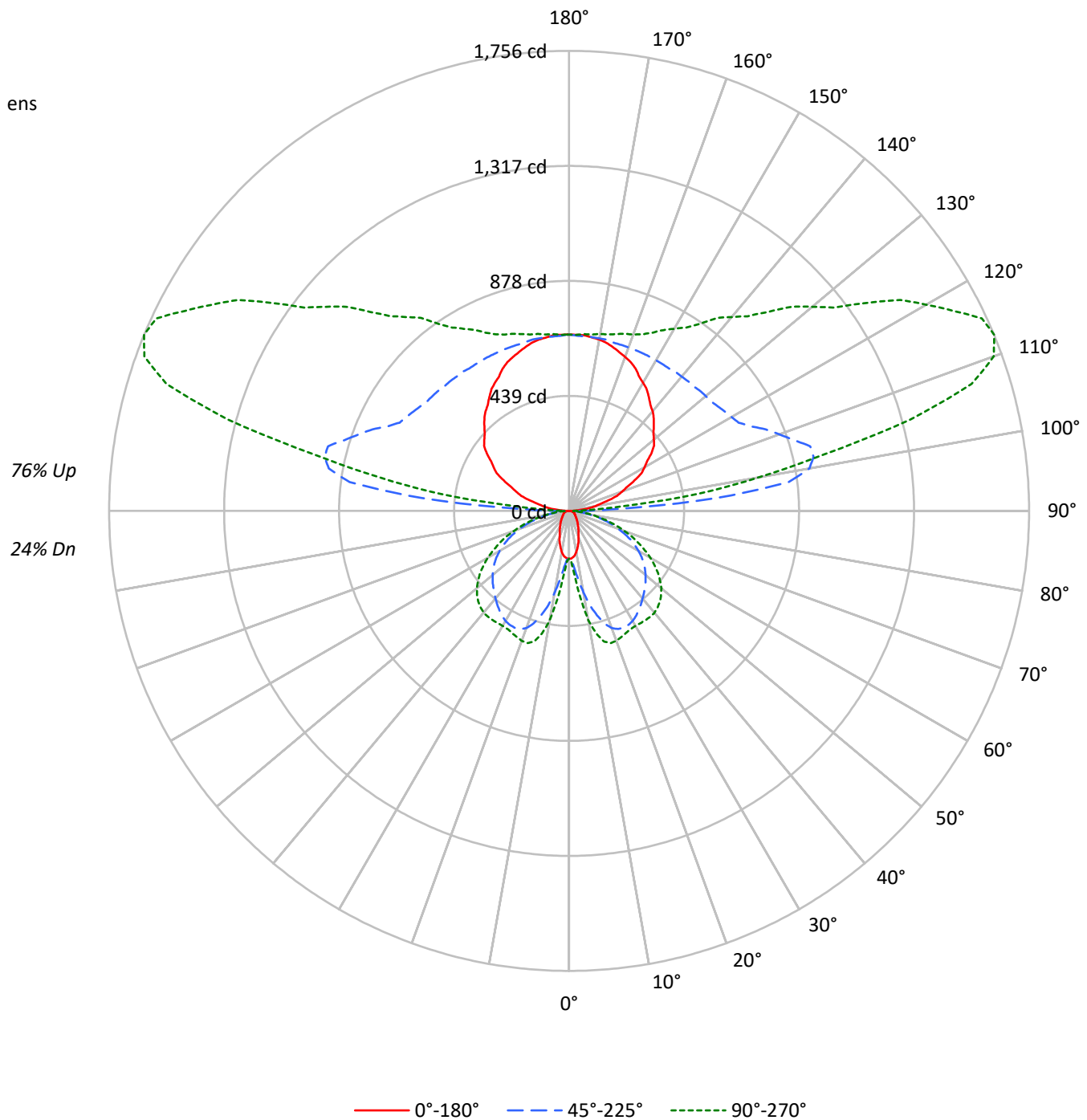
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5771.1 lumens  
Efficiency: N/A  
Efficacy: 121.2 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): 47.6  
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: P937832  
CATALOG NUMBER: SQ4-FB-125U-050D-92765-1D-UNV-STD-W-4-3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P937832

CATALOG NUMBER: SQ4-FB-125U-050D-92765-1D-UNV-STD-W-4-3000K

**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 | 50 | 30 | 10 | 0  |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 101 | 101 | 101 | 101 | 90 | 90 | 90 | 90 | 69 | 69 | 69 | 50 | 50 | 50 | 33 | 33 | 33 | 24 |    |    | 24 |
| 1   | 92  | 88  | 84  | 80  | 81 | 78 | 75 | 72 | 60 | 58 | 56 | 44 | 42 | 41 | 28 | 28 | 27 | 20 |    |    | 20 |
| 2   | 83  | 76  | 70  | 65  | 74 | 68 | 63 | 58 | 52 | 49 | 46 | 38 | 36 | 34 | 25 | 23 | 22 | 16 |    |    | 16 |
| 3   | 76  | 66  | 59  | 54  | 67 | 59 | 53 | 48 | 46 | 42 | 38 | 33 | 30 | 28 | 22 | 20 | 19 | 13 |    |    | 13 |
| 4   | 69  | 58  | 51  | 45  | 61 | 52 | 46 | 41 | 40 | 36 | 32 | 29 | 26 | 24 | 19 | 17 | 16 | 11 |    |    | 11 |
| 5   | 63  | 52  | 44  | 38  | 56 | 46 | 39 | 34 | 36 | 31 | 27 | 26 | 23 | 20 | 17 | 15 | 13 | 10 |    |    | 10 |
| 6   | 58  | 46  | 38  | 33  | 51 | 41 | 34 | 29 | 32 | 27 | 23 | 23 | 20 | 17 | 15 | 13 | 12 | 8  |    |    | 8  |
| 7   | 53  | 41  | 34  | 28  | 47 | 37 | 30 | 26 | 29 | 24 | 20 | 21 | 18 | 15 | 14 | 12 | 10 | 7  |    |    | 7  |
| 8   | 49  | 37  | 30  | 25  | 44 | 33 | 27 | 22 | 26 | 21 | 18 | 19 | 16 | 13 | 12 | 10 | 9  | 6  |    |    | 6  |
| 9   | 46  | 34  | 27  | 22  | 40 | 30 | 24 | 20 | 24 | 19 | 16 | 17 | 14 | 12 | 11 | 9  | 8  | 6  |    |    | 6  |
| 10  | 42  | 31  | 24  | 19  | 38 | 28 | 21 | 17 | 22 | 17 | 14 | 16 | 13 | 10 | 10 | 9  | 7  | 5  |    |    | 5  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 1688 | 1688 | 1688 |
| 5°  | 1648 | 1950 | 2270 |
| 10° | 1493 | 2840 | 3762 |
| 15° | 1267 | 3708 | 4543 |
| 20° | 1030 | 4294 | 4630 |
| 25° | 858  | 4490 | 4535 |
| 30° | 724  | 4514 | 4528 |
| 35° | 638  | 4436 | 4644 |
| 40° | 555  | 4336 | 4765 |
| 45° | 502  | 4260 | 4784 |
| 50° | 460  | 4191 | 4704 |
| 55° | 439  | 4093 | 4495 |
| 60° | 446  | 3909 | 4167 |
| 65° | 463  | 3628 | 3714 |
| 70° | 490  | 3158 | 3137 |
| 75° | 538  | 2567 | 2449 |
| 80° | 576  | 1775 | 1651 |
| 85° | 480  | 937  | 845  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 4784 cd/sqm



TEST NUMBER: P937832

CATALOG NUMBER: SQ4-FB-125U-050D-92765-1D-UNV-STD-W-4-3000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 23.5   | 0.4       |
| 10°-20°   | 104.3  | 1.8       |
| 20°-30°   | 182.4  | 3.2       |
| 30°-40°   | 234.9  | 4.1       |
| 40°-50°   | 262.3  | 4.5       |
| 50°-60°   | 251.3  | 4.4       |
| 60°-70°   | 199.1  | 3.5       |
| 70°-80°   | 117.1  | 2.0       |
| 80°-90°   | 35.1   | 0.6       |
| 90°-100°  | 327.9  | 5.7       |
| 100°-110° | 862.1  | 14.9      |
| 110°-120° | 893.9  | 15.5      |
| 120°-130° | 717.0  | 12.4      |
| 130°-140° | 562.6  | 9.7       |
| 140°-150° | 431.8  | 7.5       |
| 150°-160° | 311.0  | 5.4       |
| 160°-170° | 190.3  | 3.3       |
| 170°-180° | 64.3   | 1.1       |
| 0°-30°    | 310.3  | 5.4       |
| 0°-40°    | 545.1  | 9.4       |
| 0°-60°    | 1058.7 | 18.3      |
| 0°-90°    | 1410.0 | 24.4      |
| 90°-120°  | 2084.0 | 36.1      |
| 90°-150°  | 3795.5 | 65.8      |
| 90°-180°  | 4361.0 | 75.6      |
| 0°-180°   | 5771.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45° | 67.5° | 90°  | Flux |
|------|-----|-------|-----|-------|------|------|
| 0°   | 182 | 182   | 182 | 182   | 182  |      |
| 5°   | 177 | 190   | 214 | 242   | 251  | 16   |
| 15°  | 133 | 245   | 413 | 501   | 517  | 37   |
| 25°  | 85  | 278   | 492 | 514   | 514  | 39   |
| 35°  | 57  | 266   | 463 | 490   | 509  | 36   |
| 45°  | 39  | 212   | 410 | 469   | 490  | 30   |
| 55°  | 28  | 135   | 348 | 404   | 415  | 26   |
| 65°  | 22  | 71    | 258 | 290   | 294  | 22   |
| 75°  | 16  | 44    | 142 | 156   | 156  | 17   |
| 85°  | 6   | 13    | 35  | 39    | 39   | 6    |
| 90°  | 4   | 13    | 34  | 17    | 17   | 4    |
| 95°  | 43  | 170   | 565 | 291   | 198  | 48   |
| 105° | 155 | 235   | 953 | 1447  | 1350 | 165  |
| 115° | 276 | 335   | 764 | 1523  | 1738 | 272  |
| 125° | 384 | 430   | 694 | 1173  | 1384 | 341  |
| 135° | 457 | 503   | 673 | 947   | 1074 | 354  |
| 145° | 530 | 564   | 664 | 808   | 871  | 332  |
| 155° | 600 | 616   | 664 | 729   | 750  | 276  |
| 165° | 647 | 656   | 664 | 690   | 699  | 183  |
| 175° | 673 | 673   | 669 | 677   | 677  | 64   |
| 180° | 673 | 673   | 673 | 673   | 673  |      |



TEST NUMBER: P937832

CATALOG NUMBER: SQ4-FB-125U-050D-92765-1D-UNV-STD-W-4-3000K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0°     | 181.9 | 181.9 | 181.9 | 181.9 | 181.9 | 181.9 | 181.9 | 181.9  | 181.9  | 181.9  | 181.9  |
| 2.5°   | 181.9 | 181.9 | 183.1 | 183.7 | 184.9 | 185.5 | 186.6 | 187.7  | 191.3  | 191.8  | 193.1  |
| 5°     | 177.3 | 179.6 | 187.2 | 190.1 | 198.3 | 209.5 | 214.1 | 221.8  | 237.5  | 242.2  | 245.1  |
| 7.5°   | 170.2 | 175.5 | 194.2 | 198.9 | 219.4 | 248.6 | 260.9 | 277.3  | 302.4  | 314.7  | 324.7  |
| 10°    | 159.1 | 170.2 | 203.6 | 214.7 | 248.0 | 292.5 | 315.3 | 338.2  | 376.2  | 393.1  | 399.6  |
| 12.5°  | 146.9 | 165.0 | 213.6 | 228.7 | 276.7 | 341.7 | 369.1 | 394.3  | 437.6  | 460.4  | 463.9  |
| 15°    | 132.8 | 157.4 | 222.9 | 245.1 | 307.1 | 382.6 | 413.0 | 444.0  | 484.4  | 500.7  | 504.8  |
| 17.5°  | 120.5 | 151.6 | 231.7 | 255.1 | 330.5 | 419.4 | 450.5 | 476.2  | 508.9  | 520.1  | 523.0  |
| 20°    | 105.3 | 142.1 | 237.5 | 268.0 | 355.1 | 446.4 | 476.2 | 496.1  | 518.3  | 525.3  | 526.5  |
| 22.5°  | 94.2  | 132.2 | 241.0 | 272.6 | 371.5 | 462.7 | 487.9 | 503.7  | 518.9  | 521.2  | 521.8  |
| 25°    | 84.8  | 121.1 | 240.4 | 277.9 | 385.5 | 472.6 | 492.0 | 503.7  | 512.5  | 513.6  | 513.6  |
| 27.5°  | 76.0  | 108.8 | 238.1 | 279.1 | 396.1 | 475.0 | 490.3 | 498.5  | 502.6  | 504.8  | 504.8  |
| 30°    | 68.5  | 97.1  | 232.2 | 276.7 | 400.7 | 472.6 | 484.9 | 489.0  | 493.1  | 496.7  | 498.5  |
| 32.5°  | 62.6  | 86.0  | 223.5 | 272.0 | 401.3 | 466.8 | 475.6 | 478.0  | 483.8  | 492.0  | 494.9  |
| 35°    | 57.3  | 74.9  | 213.6 | 265.6 | 397.8 | 457.5 | 463.3 | 465.7  | 477.4  | 489.6  | 493.7  |
| 37.5°  | 52.1  | 66.7  | 200.7 | 254.5 | 392.5 | 446.4 | 450.5 | 454.6  | 472.6  | 487.3  | 492.0  |
| 40°    | 46.8  | 59.6  | 185.5 | 242.2 | 384.4 | 432.9 | 436.5 | 442.8  | 466.8  | 483.8  | 488.5  |
| 42.5°  | 42.7  | 53.8  | 169.1 | 229.3 | 373.8 | 417.7 | 422.9 | 432.4  | 459.8  | 478.0  | 483.2  |
| 45°    | 39.2  | 48.0  | 151.6 | 211.7 | 360.3 | 401.9 | 409.5 | 422.4  | 451.6  | 469.2  | 473.9  |
| 47.5°  | 35.7  | 43.9  | 133.4 | 193.7 | 345.8 | 386.1 | 396.1 | 410.6  | 440.6  | 457.5  | 461.6  |
| 50°    | 32.8  | 39.8  | 115.3 | 174.3 | 330.0 | 369.1 | 380.8 | 396.1  | 426.5  | 442.3  | 447.5  |
| 52.5°  | 30.4  | 36.3  | 98.3  | 155.0 | 311.8 | 351.6 | 365.0 | 380.8  | 409.5  | 424.7  | 428.3  |
| 55°    | 28.1  | 33.3  | 83.6  | 134.6 | 293.1 | 332.9 | 347.5 | 362.7  | 390.8  | 403.7  | 406.0  |
| 57.5°  | 26.9  | 31.0  | 71.3  | 115.3 | 273.2 | 311.8 | 328.1 | 342.2  | 368.5  | 378.5  | 380.8  |
| 60°    | 25.1  | 29.2  | 62.0  | 98.9  | 251.6 | 292.0 | 306.0 | 320.0  | 342.2  | 350.4  | 352.2  |
| 62.5°  | 23.4  | 28.1  | 55.0  | 83.1  | 229.3 | 268.5 | 282.5 | 295.4  | 314.1  | 320.0  | 322.3  |
| 65°    | 22.2  | 26.9  | 49.7  | 71.3  | 206.5 | 243.9 | 257.9 | 269.1  | 284.3  | 290.1  | 291.3  |
| 67.5°  | 21.1  | 25.7  | 45.6  | 61.4  | 183.7 | 219.4 | 229.9 | 240.4  | 252.1  | 257.9  | 258.6  |
| 70°    | 19.3  | 24.6  | 42.1  | 54.4  | 160.3 | 191.3 | 200.0 | 211.2  | 220.5  | 223.5  | 225.2  |
| 72.5°  | 18.1  | 22.8  | 39.8  | 49.2  | 136.3 | 164.4 | 172.6 | 179.0  | 187.2  | 190.1  | 190.1  |
| 75°    | 16.4  | 20.5  | 37.4  | 43.9  | 111.7 | 134.6 | 141.5 | 148.0  | 154.4  | 155.6  | 153.8  |
| 77.5°  | 14.7  | 18.1  | 32.2  | 36.9  | 87.2  | 106.5 | 112.3 | 115.8  | 121.1  | 122.3  | 122.9  |
| 80°    | 12.3  | 15.8  | 25.1  | 28.7  | 63.2  | 78.4  | 82.5  | 85.4   | 90.1   | 90.1   | 91.3   |
| 82.5°  | 9.3   | 12.3  | 18.1  | 20.5  | 42.7  | 53.8  | 57.3  | 59.1   | 62.0   | 62.0   | 62.0   |
| 85°    | 5.8   | 7.6   | 11.7  | 13.4  | 25.7  | 32.8  | 35.1  | 35.7   | 38.0   | 38.6   | 38.6   |
| 87.5°  | 3.0   | 4.1   | 7.6   | 8.2   | 13.4  | 17.0  | 17.0  | 18.1   | 18.1   | 17.5   | 17.0   |
| 90°    | 4.5   | 8.1   | 11.8  | 12.6  | 19.9  | 29.5  | 34.3  | 30.4   | 22.8   | 17.2   | 17.2   |
| 92.5°  | 18.1  | 48.7  | 79.4  | 87.1  | 122.5 | 169.7 | 193.2 | 169.3  | 121.6  | 85.8   | 82.4   |
| 95°    | 43.3  | 99.5  | 155.7 | 169.8 | 301.5 | 477.0 | 564.8 | 504.0  | 382.5  | 291.3  | 280.9  |
| 97.5°  | 74.9  | 124.4 | 174.1 | 186.4 | 406.0 | 698.8 | 845.2 | 806.7  | 729.9  | 672.3  | 652.6  |
| 100°   | 99.3  | 144.3 | 189.2 | 200.5 | 444.1 | 769.0 | 931.4 | 934.2  | 939.9  | 944.1  | 920.6  |
| 102.5° | 120.1 | 162.0 | 204.0 | 214.4 | 461.6 | 791.1 | 955.8 | 1004.8 | 1102.8 | 1176.2 | 1156.1 |
| 105°   | 155.3 | 190.9 | 226.4 | 235.3 | 474.6 | 793.6 | 953.1 | 1062.9 | 1282.4 | 1447.1 | 1436.2 |
| 107.5° | 191.4 | 224.5 | 257.7 | 266.0 | 477.0 | 758.3 | 899.0 | 1052.1 | 1358.3 | 1587.9 | 1590.5 |
| 110°   | 215.8 | 245.7 | 275.6 | 283.1 | 473.3 | 727.0 | 853.8 | 1025.0 | 1367.3 | 1624.1 | 1635.3 |



TEST NUMBER: P937832

CATALOG NUMBER: SQ4-FB-125U-050D-92765-1D-UNV-STD-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°   | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 112.5° | 239.7 | 268.2 | 296.7 | 303.8 | 473.4 | 699.6 | 812.7 | 987.9 | 1338.3 | 1601.1 | 1618.3 |
| 115°   | 275.8 | 302.2 | 328.5 | 335.0 | 477.9 | 668.2 | 763.5 | 932.2 | 1269.8 | 1522.9 | 1546.8 |
| 117.5° | 311.6 | 335.5 | 359.4 | 365.3 | 486.8 | 648.7 | 729.6 | 881.9 | 1186.5 | 1415.0 | 1441.5 |
| 120°   | 332.3 | 354.8 | 377.3 | 382.9 | 494.0 | 642.1 | 716.1 | 855.3 | 1133.6 | 1342.3 | 1368.1 |
| 122.5° | 352.7 | 375.3 | 398.0 | 403.7 | 504.4 | 638.6 | 705.7 | 831.0 | 1081.7 | 1269.6 | 1295.1 |
| 125°   | 383.8 | 404.4 | 425.1 | 430.3 | 518.3 | 635.7 | 694.4 | 800.9 | 1013.7 | 1173.4 | 1196.9 |
| 127.5° | 409.1 | 429.9 | 450.8 | 456.0 | 532.3 | 634.1 | 684.9 | 776.3 | 959.2  | 1096.2 | 1116.0 |
| 130°   | 422.6 | 445.1 | 467.6 | 473.2 | 542.6 | 635.1 | 681.3 | 762.7 | 925.4  | 1047.5 | 1065.7 |
| 132.5° | 436.6 | 459.1 | 481.6 | 487.2 | 550.9 | 635.7 | 678.2 | 751.0 | 896.7  | 1006.0 | 1022.3 |
| 135°   | 457.4 | 477.9 | 498.3 | 503.4 | 559.8 | 635.1 | 672.8 | 733.8 | 855.8  | 947.3  | 961.4  |
| 137.5° | 478.6 | 498.8 | 519.1 | 524.2 | 573.4 | 639.0 | 671.8 | 723.4 | 826.5  | 903.9  | 915.4  |
| 140°   | 496.2 | 514.8 | 533.5 | 538.2 | 581.7 | 639.7 | 668.7 | 713.2 | 802.4  | 869.2  | 880.0  |
| 142.5° | 509.7 | 527.0 | 544.2 | 548.6 | 588.6 | 642.0 | 668.7 | 707.8 | 786.1  | 844.7  | 854.0  |
| 145°   | 530.5 | 545.5 | 560.6 | 564.4 | 597.6 | 642.0 | 664.1 | 696.1 | 760.2  | 808.2  | 815.3  |
| 147.5° | 551.3 | 566.0 | 580.6 | 584.3 | 610.9 | 646.4 | 664.1 | 689.3 | 739.7  | 777.5  | 783.3  |
| 150°   | 564.8 | 578.1 | 591.3 | 594.6 | 617.8 | 648.7 | 664.1 | 685.4 | 728.0  | 759.9  | 764.6  |
| 152.5° | 578.9 | 588.9 | 598.9 | 601.4 | 622.4 | 650.2 | 664.1 | 682.3 | 718.6  | 745.9  | 749.4  |
| 155°   | 599.6 | 607.0 | 614.4 | 616.3 | 632.2 | 653.5 | 664.1 | 678.6 | 707.5  | 729.2  | 731.5  |
| 157.5° | 615.0 | 622.2 | 629.3 | 631.2 | 642.2 | 656.8 | 664.1 | 675.4 | 697.9  | 714.7  | 716.4  |
| 160°   | 625.3 | 630.9 | 636.6 | 638.0 | 646.7 | 658.3 | 664.1 | 673.7 | 693.0  | 707.5  | 708.4  |
| 162.5° | 635.7 | 639.9 | 644.2 | 645.2 | 651.5 | 660.0 | 664.1 | 672.3 | 688.6  | 700.8  | 701.6  |
| 165°   | 647.0 | 650.8 | 654.6 | 655.6 | 658.5 | 662.2 | 664.1 | 670.0 | 681.6  | 690.3  | 691.3  |
| 167.5° | 657.4 | 659.2 | 661.0 | 661.4 | 663.9 | 667.1 | 668.7 | 672.5 | 680.1  | 685.9  | 686.3  |
| 170°   | 664.1 | 666.0 | 667.8 | 668.2 | 668.4 | 668.6 | 668.7 | 672.5 | 680.1  | 685.9  | 685.9  |
| 172.5° | 667.8 | 668.2 | 668.6 | 668.7 | 668.7 | 668.7 | 668.7 | 671.6 | 677.7  | 682.2  | 681.8  |
| 175°   | 672.8 | 672.8 | 672.8 | 672.8 | 671.4 | 669.5 | 668.7 | 670.6 | 674.3  | 677.2  | 677.2  |
| 177.5° | 672.8 | 672.8 | 672.8 | 672.8 | 671.7 | 670.2 | 669.5 | 671.0 | 674.1  | 676.3  | 675.9  |
| 180°   | 672.8 | 672.8 | 672.8 | 672.8 | 672.8 | 672.8 | 672.8 | 672.8 | 672.8  | 672.8  | 672.8  |



TEST NUMBER: P937832

CATALOG NUMBER: SQ4-FB-125U-050D-92765-1D-UNV-STD-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 181.9  | 181.9  |
| 2.5°   | 194.2  | 193.1  |
| 5°     | 249.8  | 251.0  |
| 7.5°   | 336.3  | 335.8  |
| 10°    | 418.3  | 423.5  |
| 12.5°  | 478.0  | 479.1  |
| 15°    | 514.2  | 516.6  |
| 17.5°  | 528.3  | 528.9  |
| 20°    | 528.9  | 527.7  |
| 22.5°  | 522.4  | 521.2  |
| 25°    | 514.8  | 514.2  |
| 27.5°  | 507.8  | 508.4  |
| 30°    | 504.8  | 506.7  |
| 32.5°  | 504.8  | 507.8  |
| 35°    | 506.0  | 508.9  |
| 37.5°  | 505.4  | 508.9  |
| 40°    | 503.1  | 507.2  |
| 42.5°  | 496.7  | 499.6  |
| 45°    | 486.7  | 490.3  |
| 47.5°  | 473.9  | 476.2  |
| 50°    | 457.5  | 459.8  |
| 52.5°  | 437.0  | 437.6  |
| 55°    | 412.5  | 414.7  |
| 57.5°  | 386.1  | 386.7  |
| 60°    | 356.8  | 358.6  |
| 62.5°  | 325.9  | 325.9  |
| 65°    | 293.1  | 294.2  |
| 67.5°  | 259.2  | 262.0  |
| 70°    | 224.6  | 225.2  |
| 72.5°  | 190.7  | 190.7  |
| 75°    | 155.6  | 156.2  |
| 77.5°  | 122.3  | 122.3  |
| 80°    | 90.7   | 91.3   |
| 82.5°  | 62.6   | 63.7   |
| 85°    | 39.2   | 39.2   |
| 87.5°  | 18.1   | 16.4   |
| 90°    | 17.2   | 17.2   |
| 92.5°  | 68.7   | 55.1   |
| 95°    | 239.5  | 198.2  |
| 97.5°  | 574.0  | 495.3  |
| 100°   | 826.9  | 733.2  |
| 102.5° | 1075.8 | 995.6  |
| 105°   | 1393.2 | 1350.0 |
| 107.5° | 1601.0 | 1611.4 |
| 110°   | 1680.2 | 1725.1 |





TEST NUMBER: P937832

CATALOG NUMBER: SQ4-FB-125U-050D-92765-1D-UNV-STD-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 1687.3 | 1756.4 |
| 115°   | 1642.6 | 1738.3 |
| 117.5° | 1547.7 | 1653.8 |
| 120°   | 1471.2 | 1574.4 |
| 122.5° | 1396.7 | 1498.5 |
| 125°   | 1290.5 | 1384.3 |
| 127.5° | 1195.0 | 1274.1 |
| 130°   | 1138.8 | 1211.9 |
| 132.5° | 1087.7 | 1153.1 |
| 135°   | 1017.8 | 1074.1 |
| 137.5° | 961.6  | 1007.7 |
| 140°   | 923.0  | 966.2  |
| 142.5° | 891.1  | 928.3  |
| 145°   | 843.3  | 871.4  |
| 147.5° | 806.5  | 829.8  |
| 150°   | 783.5  | 802.4  |
| 152.5° | 763.6  | 777.9  |
| 155°   | 741.0  | 750.4  |
| 157.5° | 723.0  | 729.6  |
| 160°   | 712.3  | 716.1  |
| 162.5° | 705.3  | 708.9  |
| 165°   | 695.1  | 698.9  |
| 167.5° | 687.9  | 689.4  |
| 170°   | 685.9  | 685.9  |
| 172.5° | 680.4  | 679.1  |
| 175°   | 677.2  | 677.2  |
| 177.5° | 674.3  | 672.8  |
| 180°   | 672.8  | 672.8  |



TEST NUMBER: P937832  
 CATALOG NUMBER: SQ4-FB-125U-050D-92765-1D-UNV-STD-W-4-3000K

**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 | 0.00             | 0.48  | 0.94  | 1.61  | 3.21  | 12.94          | 13.62 | 14.08 | 14.76 | 16.35 |
|                 | 3H   | 0.48             | 1.10  | 1.64  | 2.25  | 3.85  | 14.75          | 15.36 | 15.90 | 16.51 | 18.11 |
|                 | 4H   | 0.78             | 1.36  | 1.94  | 2.51  | 4.12  | 15.37          | 15.96 | 16.53 | 17.10 | 18.72 |
|                 | 6H   | 1.02             | 1.56  | 2.19  | 2.70  | 4.33  | 15.78          | 16.32 | 16.95 | 17.47 | 19.09 |
|                 | 8H   | 1.08             | 1.59  | 2.25  | 2.76  | 4.37  | 15.89          | 16.40 | 17.06 | 17.57 | 19.18 |
|                 | 12H  | 1.09             | 1.58  | 2.27  | 2.73  | 4.37  | 15.95          | 16.43 | 17.12 | 17.59 | 19.23 |
| 4H              | 2H   | 6.96             | 7.55  | 8.13  | 8.69  | 10.31 | 13.19          | 13.77 | 14.36 | 14.92 | 16.53 |
|                 | 3H   | 8.52             | 9.01  | 9.69  | 10.18 | 11.80 | 15.20          | 15.69 | 16.38 | 16.86 | 18.49 |
|                 | 4H   | 8.61             | 9.06  | 9.78  | 10.21 | 11.86 | 15.95          | 16.40 | 17.13 | 17.56 | 19.21 |
|                 | 6H   | 8.61             | 8.99  | 9.79  | 10.17 | 11.81 | 16.47          | 16.86 | 17.65 | 18.04 | 19.67 |
|                 | 8H   | 8.58             | 8.94  | 9.76  | 10.11 | 11.76 | 16.62          | 16.98 | 17.80 | 18.15 | 19.80 |
|                 | 12H  | 8.53             | 8.85  | 9.72  | 10.04 | 11.69 | 16.70          | 17.02 | 17.89 | 18.21 | 19.86 |
| 8H              | 4H   | 10.02            | 10.39 | 11.20 | 11.56 | 13.21 | 16.00          | 16.36 | 17.18 | 17.53 | 19.18 |
|                 | 6H   | 10.26            | 10.56 | 11.46 | 11.77 | 13.42 | 16.61          | 16.90 | 17.81 | 18.12 | 19.77 |
|                 | 8H   | 10.27            | 10.53 | 11.48 | 11.73 | 13.39 | 16.82          | 17.08 | 18.02 | 18.27 | 19.94 |
|                 | 12H  | 10.23            | 10.46 | 11.44 | 11.65 | 13.35 | 16.94          | 17.17 | 18.15 | 18.36 | 20.06 |
| 12H             | 4H   | 10.16            | 10.48 | 11.35 | 11.67 | 13.32 | 15.94          | 16.27 | 17.14 | 17.45 | 19.11 |
|                 | 6H   | 10.51            | 10.77 | 11.72 | 11.96 | 13.63 | 16.59          | 16.85 | 17.79 | 18.04 | 19.71 |
|                 | 8H   | 10.57            | 10.80 | 11.78 | 11.99 | 13.69 | 16.80          | 17.03 | 18.01 | 18.22 | 19.92 |