

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: P938333

Luminaire Tested: SQ4-FB-150U-075D-92765-1D-UNV-STD-W-4-3500K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P938333  
REPORT IS A COMBINATION OF REPORTS P933630 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-150U-075D-92765-1D-UNV-STD-W-4-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

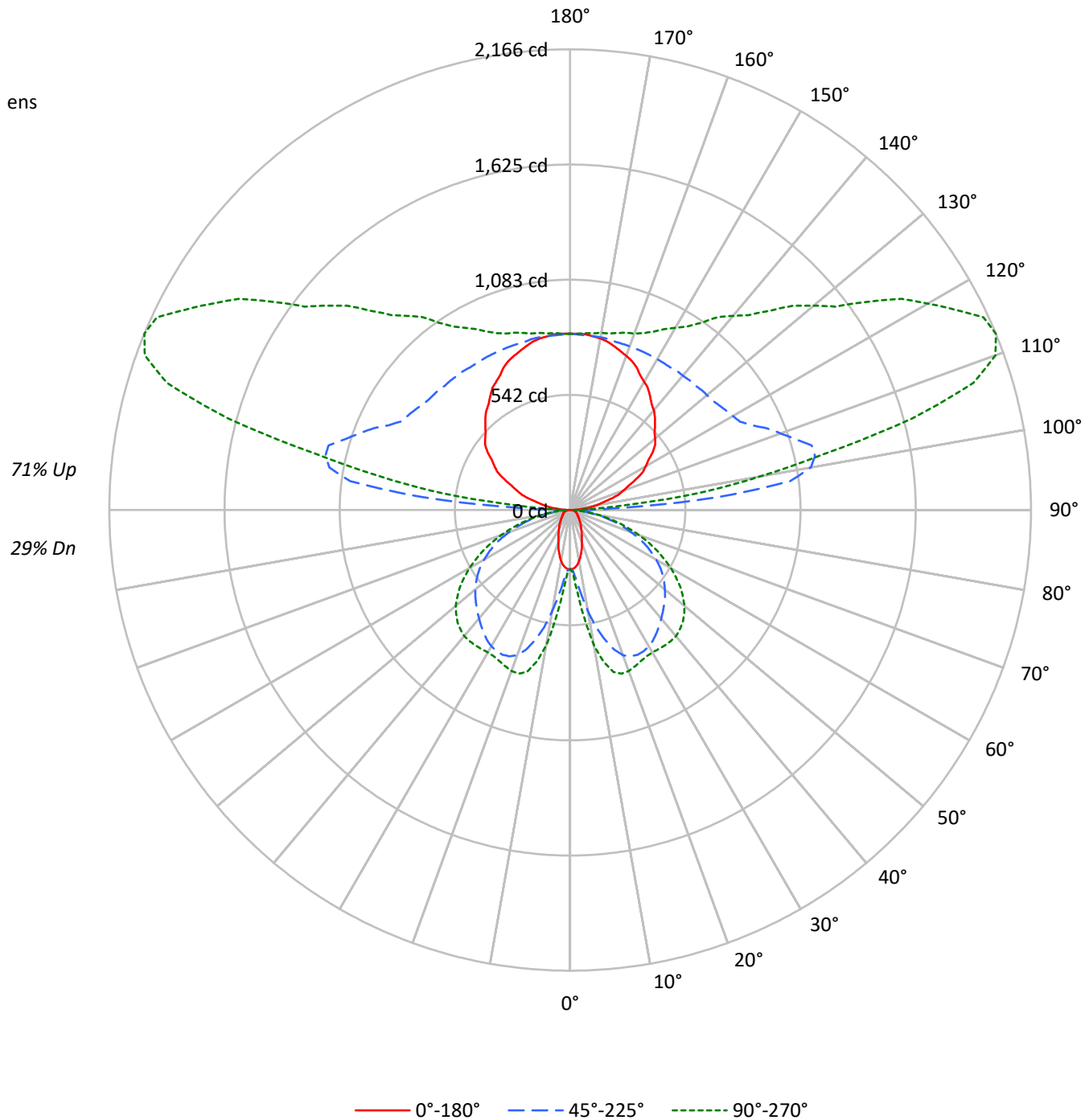
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7528.3 lumens  
Efficiency: N/A  
Efficacy: 118.4 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: Semi-Indirect

Input Watts (W): 63.6  
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: P938333  
CATALOG NUMBER: SQ4-FB-150U-075D-92765-1D-UNV-STD-W-4-3500K

### Luminous Intensity Polar Plot





TEST NUMBER: P938333

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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 | 50 | 30 | 10 | 0  |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 102 | 102 | 102 | 102 | 91 | 91 | 91 | 91 | 71 | 71 | 71 | 53 | 53 | 53 | 36 | 36 | 36 | 36 | 36 | 36 | 29 |
| 1   | 93  | 88  | 84  | 81  | 83 | 79 | 76 | 73 | 62 | 60 | 58 | 46 | 45 | 43 | 32 | 31 | 30 | 30 | 30 | 30 | 23 |
| 2   | 84  | 77  | 71  | 66  | 75 | 69 | 64 | 59 | 54 | 50 | 47 | 40 | 38 | 36 | 27 | 26 | 25 | 25 | 25 | 25 | 19 |
| 3   | 76  | 67  | 60  | 54  | 68 | 60 | 54 | 49 | 47 | 43 | 39 | 35 | 32 | 30 | 24 | 22 | 21 | 21 | 21 | 21 | 16 |
| 4   | 70  | 59  | 51  | 45  | 62 | 53 | 46 | 41 | 42 | 37 | 33 | 31 | 28 | 25 | 21 | 19 | 17 | 17 | 17 | 17 | 13 |
| 5   | 64  | 52  | 44  | 38  | 57 | 47 | 40 | 35 | 37 | 32 | 28 | 28 | 24 | 21 | 19 | 17 | 15 | 15 | 15 | 15 | 11 |
| 6   | 58  | 47  | 39  | 33  | 52 | 42 | 35 | 30 | 33 | 28 | 24 | 25 | 21 | 18 | 17 | 15 | 13 | 13 | 13 | 13 | 10 |
| 7   | 54  | 42  | 34  | 28  | 48 | 38 | 31 | 26 | 30 | 25 | 21 | 22 | 19 | 16 | 15 | 13 | 11 | 11 | 11 | 11 | 8  |
| 8   | 50  | 38  | 30  | 25  | 44 | 34 | 27 | 23 | 27 | 22 | 18 | 20 | 17 | 14 | 14 | 12 | 10 | 10 | 10 | 10 | 7  |
| 9   | 46  | 34  | 27  | 22  | 41 | 31 | 24 | 20 | 24 | 20 | 16 | 18 | 15 | 12 | 13 | 10 | 9  | 9  | 9  | 9  | 6  |
| 10  | 43  | 31  | 24  | 19  | 38 | 28 | 22 | 18 | 22 | 18 | 14 | 17 | 13 | 11 | 12 | 9  | 8  | 8  | 8  | 8  | 6  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 2576 | 2576 | 2576 |
| 5°  | 2514 | 2975 | 3462 |
| 10° | 2278 | 4333 | 5741 |
| 15° | 1933 | 5658 | 6931 |
| 20° | 1573 | 6551 | 7064 |
| 25° | 1310 | 6851 | 6920 |
| 30° | 1103 | 6889 | 6907 |
| 35° | 974  | 6769 | 7086 |
| 40° | 847  | 6615 | 7271 |
| 45° | 766  | 6499 | 7299 |
| 50° | 701  | 6396 | 7178 |
| 55° | 669  | 6245 | 6860 |
| 60° | 683  | 5962 | 6358 |
| 65° | 706  | 5537 | 5667 |
| 70° | 749  | 4820 | 4788 |
| 75° | 820  | 3919 | 3736 |
| 80° | 875  | 2709 | 2517 |
| 85° | 737  | 1431 | 1288 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 7299 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 35.9   | 0.5       |
| 10°-20°   | 159.2  | 2.1       |
| 20°-30°   | 278.4  | 3.7       |
| 30°-40°   | 358.4  | 4.8       |
| 40°-50°   | 400.3  | 5.3       |
| 50°-60°   | 383.4  | 5.1       |
| 60°-70°   | 303.8  | 4.0       |
| 70°-80°   | 178.7  | 2.4       |
| 80°-90°   | 52.8   | 0.7       |
| 90°-100°  | 404.4  | 5.4       |
| 100°-110° | 1063.1 | 14.1      |
| 110°-120° | 1102.3 | 14.6      |
| 120°-130° | 884.2  | 11.7      |
| 130°-140° | 693.8  | 9.2       |
| 140°-150° | 532.5  | 7.1       |
| 150°-160° | 383.5  | 5.1       |
| 160°-170° | 234.6  | 3.1       |
| 170°-180° | 79.3   | 1.1       |
| 0°-30°    | 473.4  | 6.3       |
| 0°-40°    | 831.8  | 11.0      |
| 0°-60°    | 1615.4 | 21.5      |
| 0°-90°    | 2150.7 | 28.6      |
| 90°-120°  | 2569.7 | 34.1      |
| 90°-150°  | 4680.2 | 62.2      |
| 90°-180°  | 5378.0 | 71.4      |
| 0°-180°   | 7528.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|-----|-------|------|-------|------|------|
| 0°   | 278 | 278   | 278  | 278   | 278  |      |
| 5°   | 270 | 290   | 327  | 370   | 383  | 25   |
| 15°  | 203 | 374   | 630  | 764   | 788  | 56   |
| 25°  | 129 | 424   | 751  | 784   | 785  | 60   |
| 35°  | 88  | 405   | 707  | 747   | 777  | 55   |
| 45°  | 60  | 323   | 625  | 716   | 748  | 46   |
| 55°  | 43  | 205   | 530  | 616   | 633  | 39   |
| 65°  | 34  | 109   | 394  | 443   | 449  | 34   |
| 75°  | 25  | 67    | 216  | 237   | 238  | 26   |
| 85°  | 9   | 20    | 54   | 59    | 60   | 9    |
| 90°  | 6   | 16    | 42   | 21    | 21   | 5    |
| 95°  | 54  | 209   | 696  | 359   | 244  | 59   |
| 105° | 192 | 290   | 1175 | 1784  | 1665 | 203  |
| 115° | 340 | 413   | 941  | 1878  | 2143 | 336  |
| 125° | 473 | 531   | 856  | 1447  | 1707 | 420  |
| 135° | 564 | 621   | 830  | 1168  | 1324 | 436  |
| 145° | 654 | 696   | 819  | 996   | 1074 | 410  |
| 155° | 739 | 760   | 819  | 899   | 925  | 340  |
| 165° | 798 | 808   | 819  | 851   | 862  | 225  |
| 175° | 830 | 830   | 824  | 835   | 835  | 79   |
| 180° | 830 | 830   | 830  | 830   | 830  |      |



TEST NUMBER: P938333

CATALOG NUMBER: SQ4-FB-150U-075D-92765-1D-UNV-STD-W-4-3500K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 0°     | 277.6 | 277.6 | 277.6 | 277.6 | 277.6 | 277.6 | 277.6  | 277.6  | 277.6  | 277.6  | 277.6  |
| 2.5°   | 277.6 | 277.6 | 279.4 | 280.3 | 282.1 | 283.0 | 284.7  | 286.5  | 291.9  | 292.8  | 294.6  |
| 5°     | 270.5 | 274.0 | 285.6 | 290.1 | 302.6 | 319.6 | 326.7  | 338.3  | 362.4  | 369.5  | 374.0  |
| 7.5°   | 259.8 | 267.8 | 296.3 | 303.5 | 334.7 | 379.4 | 398.1  | 423.1  | 461.5  | 480.2  | 495.4  |
| 10°    | 242.8 | 259.8 | 310.6 | 327.6 | 378.5 | 446.3 | 481.1  | 515.9  | 574.0  | 599.8  | 609.7  |
| 12.5°  | 224.0 | 251.7 | 325.8 | 349.0 | 422.2 | 521.3 | 563.2  | 601.6  | 667.7  | 702.5  | 707.8  |
| 15°    | 202.6 | 240.1 | 340.1 | 374.0 | 468.6 | 583.8 | 630.2  | 677.5  | 739.1  | 764.1  | 770.3  |
| 17.5°  | 183.9 | 231.2 | 353.5 | 389.2 | 504.3 | 640.0 | 687.3  | 726.6  | 776.6  | 793.5  | 798.0  |
| 20°    | 160.7 | 216.9 | 362.4 | 408.8 | 541.8 | 681.1 | 726.6  | 756.9  | 790.9  | 801.6  | 803.4  |
| 22.5°  | 143.7 | 201.7 | 367.8 | 416.0 | 566.8 | 706.1 | 744.4  | 768.5  | 791.8  | 795.3  | 796.2  |
| 25°    | 129.4 | 184.8 | 366.9 | 424.0 | 588.2 | 721.2 | 750.7  | 768.5  | 781.9  | 783.7  | 783.7  |
| 27.5°  | 116.0 | 166.0 | 363.3 | 425.8 | 604.3 | 724.8 | 748.0  | 760.5  | 766.8  | 770.3  | 770.3  |
| 30°    | 104.4 | 148.2 | 354.4 | 422.2 | 611.4 | 721.2 | 740.0  | 746.2  | 752.5  | 757.8  | 760.5  |
| 32.5°  | 95.5  | 131.2 | 341.0 | 415.1 | 612.3 | 712.3 | 725.7  | 729.3  | 738.2  | 750.7  | 755.2  |
| 35°    | 87.5  | 114.3 | 325.8 | 405.2 | 607.0 | 698.0 | 707.0  | 710.5  | 728.4  | 747.1  | 753.4  |
| 37.5°  | 79.4  | 101.8 | 306.2 | 388.3 | 598.9 | 681.1 | 687.3  | 693.6  | 721.2  | 743.6  | 750.7  |
| 40°    | 71.4  | 91.0  | 283.0 | 369.5 | 586.5 | 660.5 | 665.9  | 675.7  | 712.3  | 738.2  | 745.3  |
| 42.5°  | 65.2  | 82.1  | 258.0 | 349.9 | 570.4 | 637.3 | 645.4  | 659.6  | 701.6  | 729.3  | 737.3  |
| 45°    | 59.8  | 73.2  | 231.2 | 323.1 | 549.9 | 613.2 | 624.8  | 644.5  | 689.1  | 715.9  | 723.0  |
| 47.5°  | 54.4  | 66.9  | 203.5 | 295.5 | 527.5 | 589.1 | 604.3  | 626.6  | 672.1  | 698.0  | 704.3  |
| 50°    | 50.0  | 60.7  | 175.8 | 266.0 | 503.4 | 563.2 | 581.1  | 604.3  | 650.7  | 674.8  | 682.9  |
| 52.5°  | 46.4  | 55.3  | 150.0 | 236.5 | 475.8 | 536.5 | 557.0  | 581.1  | 624.8  | 648.0  | 653.4  |
| 55°    | 42.8  | 50.9  | 127.6 | 205.3 | 447.2 | 507.9 | 530.2  | 553.4  | 596.3  | 615.9  | 619.5  |
| 57.5°  | 41.1  | 47.3  | 108.9 | 175.8 | 416.9 | 475.8 | 500.8  | 522.2  | 562.4  | 577.5  | 581.1  |
| 60°    | 38.4  | 44.6  | 94.6  | 150.9 | 383.8 | 445.4 | 466.8  | 488.3  | 522.2  | 534.7  | 537.4  |
| 62.5°  | 35.7  | 42.8  | 83.9  | 126.8 | 349.9 | 409.7 | 431.1  | 450.8  | 479.3  | 488.3  | 491.8  |
| 65°    | 33.9  | 41.1  | 75.9  | 108.9 | 315.1 | 372.2 | 393.6  | 410.6  | 433.8  | 442.7  | 444.5  |
| 67.5°  | 32.1  | 39.3  | 69.6  | 93.7  | 280.3 | 334.7 | 350.8  | 366.9  | 384.7  | 393.6  | 394.5  |
| 70°    | 29.5  | 37.5  | 64.3  | 83.0  | 244.6 | 291.9 | 305.3  | 322.2  | 336.5  | 341.0  | 343.7  |
| 72.5°  | 27.7  | 34.8  | 60.7  | 75.0  | 208.0 | 250.8 | 263.3  | 273.1  | 285.6  | 290.1  | 290.1  |
| 75°    | 25.0  | 31.2  | 57.1  | 66.9  | 170.5 | 205.3 | 216.0  | 225.8  | 235.7  | 237.4  | 234.8  |
| 77.5°  | 22.3  | 27.7  | 49.1  | 56.2  | 133.0 | 162.5 | 171.4  | 176.7  | 184.8  | 186.6  | 187.5  |
| 80°    | 18.7  | 24.1  | 38.4  | 43.7  | 96.4  | 119.6 | 125.9  | 130.3  | 137.5  | 137.5  | 139.2  |
| 82.5°  | 14.3  | 18.7  | 27.7  | 31.2  | 65.2  | 82.1  | 87.5   | 90.2   | 94.6   | 94.6   | 94.6   |
| 85°    | 8.9   | 11.6  | 17.9  | 20.5  | 39.3  | 50.0  | 53.6   | 54.4   | 58.0   | 58.9   | 58.9   |
| 87.5°  | 4.5   | 6.2   | 11.6  | 12.5  | 20.5  | 25.9  | 25.9   | 27.7   | 27.7   | 26.8   | 25.9   |
| 90°    | 5.5   | 10.0  | 14.5  | 15.6  | 24.5  | 36.4  | 42.3   | 37.6   | 28.2   | 21.2   | 21.2   |
| 92.5°  | 22.2  | 60.1  | 98.0  | 107.5 | 151.0 | 209.1 | 238.2  | 208.8  | 150.0  | 105.8  | 101.6  |
| 95°    | 53.5  | 122.7 | 192.0 | 209.3 | 371.7 | 588.2 | 696.5  | 621.5  | 471.6  | 359.1  | 346.3  |
| 97.5°  | 92.4  | 153.5 | 214.7 | 229.9 | 500.7 | 861.7 | 1042.2 | 994.8  | 900.0  | 829.0  | 804.7  |
| 100°   | 122.5 | 177.9 | 233.3 | 247.2 | 547.6 | 948.2 | 1148.5 | 1152.0 | 1159.0 | 1164.2 | 1135.2 |
| 102.5° | 148.1 | 199.9 | 251.5 | 264.5 | 569.2 | 975.5 | 1178.6 | 1239.0 | 1359.7 | 1450.3 | 1425.6 |
| 105°   | 191.6 | 235.4 | 279.1 | 290.1 | 585.1 | 978.5 | 1175.2 | 1310.5 | 1581.3 | 1784.3 | 1771.0 |
| 107.5° | 236.1 | 276.9 | 317.8 | 327.9 | 588.1 | 935.0 | 1108.5 | 1297.2 | 1674.8 | 1958.1 | 1961.3 |
| 110°   | 266.1 | 303.0 | 339.9 | 349.1 | 583.7 | 896.4 | 1052.8 | 1263.9 | 1686.0 | 2002.6 | 2016.4 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 112.5° | 295.6 | 330.8 | 366.0 | 374.7 | 583.9 | 862.7 | 1002.1 | 1218.2 | 1650.2 | 1974.2 | 1995.5 |
| 115°   | 340.2 | 372.6 | 405.0 | 413.1 | 589.2 | 824.1 | 941.4  | 1149.5 | 1565.7 | 1877.9 | 1907.4 |
| 117.5° | 384.2 | 413.6 | 443.1 | 450.4 | 600.2 | 799.9 | 899.7  | 1087.5 | 1463.1 | 1744.8 | 1777.6 |
| 120°   | 409.7 | 437.5 | 465.1 | 472.1 | 609.0 | 791.7 | 883.0  | 1054.5 | 1397.8 | 1655.2 | 1687.0 |
| 122.5° | 434.8 | 462.7 | 490.8 | 497.7 | 621.9 | 787.5 | 870.2  | 1024.7 | 1333.8 | 1565.6 | 1596.9 |
| 125°   | 473.3 | 498.7 | 524.2 | 530.6 | 639.1 | 783.9 | 856.3  | 987.5  | 1250.0 | 1446.9 | 1475.9 |
| 127.5° | 504.4 | 530.1 | 555.8 | 562.3 | 656.3 | 781.8 | 844.6  | 957.3  | 1182.7 | 1351.8 | 1376.2 |
| 130°   | 521.1 | 548.8 | 576.5 | 583.4 | 669.0 | 783.1 | 840.1  | 940.5  | 1141.1 | 1291.6 | 1314.1 |
| 132.5° | 538.3 | 566.1 | 593.8 | 600.7 | 679.2 | 783.9 | 836.2  | 926.0  | 1105.7 | 1240.4 | 1260.6 |
| 135°   | 564.0 | 589.2 | 614.4 | 620.7 | 690.4 | 783.1 | 829.5  | 904.8  | 1055.2 | 1168.0 | 1185.4 |
| 137.5° | 590.1 | 615.1 | 640.1 | 646.3 | 707.0 | 788.0 | 828.4  | 892.0  | 1019.2 | 1114.6 | 1128.8 |
| 140°   | 611.9 | 634.9 | 658.0 | 663.7 | 717.3 | 788.8 | 824.5  | 879.4  | 989.3  | 1071.7 | 1085.0 |
| 142.5° | 628.6 | 649.8 | 671.1 | 676.4 | 725.8 | 791.6 | 824.5  | 872.8  | 969.3  | 1041.7 | 1053.1 |
| 145°   | 654.2 | 672.8 | 691.2 | 695.9 | 736.9 | 791.7 | 819.0  | 858.4  | 937.3  | 996.5  | 1005.2 |
| 147.5° | 679.7 | 697.9 | 715.9 | 720.4 | 753.3 | 797.1 | 819.0  | 850.0  | 912.1  | 958.7  | 965.8  |
| 150°   | 696.5 | 712.8 | 729.1 | 733.2 | 761.8 | 799.9 | 819.0  | 845.2  | 897.6  | 937.0  | 942.8  |
| 152.5° | 713.7 | 726.1 | 738.5 | 741.6 | 767.4 | 801.8 | 819.0  | 841.4  | 886.2  | 919.8  | 924.1  |
| 155°   | 739.4 | 748.6 | 757.7 | 760.0 | 779.6 | 805.9 | 819.0  | 836.8  | 872.4  | 899.1  | 902.1  |
| 157.5° | 758.3 | 767.2 | 776.0 | 778.3 | 791.8 | 810.0 | 819.0  | 832.8  | 860.5  | 881.3  | 883.3  |
| 160°   | 771.0 | 778.0 | 785.0 | 786.7 | 797.5 | 811.8 | 819.0  | 830.9  | 854.6  | 872.4  | 873.5  |
| 162.5° | 783.9 | 789.1 | 794.3 | 795.6 | 803.4 | 813.8 | 819.0  | 829.0  | 849.1  | 864.1  | 865.1  |
| 165°   | 797.8 | 802.5 | 807.2 | 808.4 | 811.9 | 816.7 | 819.0  | 826.1  | 840.5  | 851.2  | 852.4  |
| 167.5° | 810.6 | 812.8 | 815.1 | 815.6 | 818.5 | 822.5 | 824.5  | 829.2  | 838.6  | 845.7  | 846.2  |
| 170°   | 819.0 | 821.2 | 823.4 | 824.0 | 824.2 | 824.4 | 824.5  | 829.2  | 838.6  | 845.7  | 845.7  |
| 172.5° | 823.4 | 823.9 | 824.4 | 824.5 | 824.5 | 824.5 | 824.5  | 828.3  | 835.7  | 841.2  | 840.8  |
| 175°   | 829.5 | 829.5 | 829.5 | 829.5 | 827.8 | 825.6 | 824.5  | 826.8  | 831.6  | 835.1  | 835.1  |
| 177.5° | 829.5 | 829.5 | 829.5 | 829.5 | 828.3 | 826.6 | 825.7  | 827.5  | 831.2  | 834.0  | 833.4  |
| 180°   | 829.5 | 829.5 | 829.5 | 829.5 | 829.5 | 829.5 | 829.5  | 829.5  | 829.5  | 829.5  | 829.5  |



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CATALOG NUMBER: SQ4-FB-150U-075D-92765-1D-UNV-STD-W-4-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 277.6  | 277.6  |
| 2.5°   | 296.3  | 294.6  |
| 5°     | 381.1  | 382.9  |
| 7.5°   | 513.3  | 512.4  |
| 10°    | 638.2  | 646.3  |
| 12.5°  | 729.3  | 731.1  |
| 15°    | 784.6  | 788.2  |
| 17.5°  | 806.0  | 806.9  |
| 20°    | 806.9  | 805.1  |
| 22.5°  | 797.1  | 795.3  |
| 25°    | 785.5  | 784.6  |
| 27.5°  | 774.8  | 775.7  |
| 30°    | 770.3  | 773.0  |
| 32.5°  | 770.3  | 774.8  |
| 35°    | 772.1  | 776.6  |
| 37.5°  | 771.2  | 776.6  |
| 40°    | 767.7  | 773.9  |
| 42.5°  | 757.8  | 762.3  |
| 45°    | 742.7  | 748.0  |
| 47.5°  | 723.0  | 726.6  |
| 50°    | 698.0  | 701.6  |
| 52.5°  | 666.8  | 667.7  |
| 55°    | 629.3  | 632.9  |
| 57.5°  | 589.1  | 590.0  |
| 60°    | 544.5  | 547.2  |
| 62.5°  | 497.2  | 497.2  |
| 65°    | 447.2  | 449.0  |
| 67.5°  | 395.4  | 399.9  |
| 70°    | 342.8  | 343.7  |
| 72.5°  | 291.0  | 291.0  |
| 75°    | 237.4  | 238.3  |
| 77.5°  | 186.6  | 186.6  |
| 80°    | 138.4  | 139.2  |
| 82.5°  | 95.5   | 97.3   |
| 85°    | 59.8   | 59.8   |
| 87.5°  | 27.7   | 25.0   |
| 90°    | 21.2   | 21.2   |
| 92.5°  | 84.7   | 67.9   |
| 95°    | 295.4  | 244.4  |
| 97.5°  | 707.8  | 610.7  |
| 100°   | 1019.7 | 904.1  |
| 102.5° | 1326.6 | 1227.6 |
| 105°   | 1717.8 | 1664.6 |
| 107.5° | 1974.1 | 1987.0 |
| 110°   | 2071.9 | 2127.3 |





TEST NUMBER: P938333

CATALOG NUMBER: SQ4-FB-150U-075D-92765-1D-UNV-STD-W-4-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 2080.6 | 2165.7 |
| 115°   | 2025.4 | 2143.4 |
| 117.5° | 1908.4 | 2039.3 |
| 120°   | 1814.2 | 1941.4 |
| 122.5° | 1722.4 | 1847.8 |
| 125°   | 1591.4 | 1707.0 |
| 127.5° | 1473.6 | 1571.1 |
| 130°   | 1404.2 | 1494.2 |
| 132.5° | 1341.2 | 1421.9 |
| 135°   | 1254.9 | 1324.5 |
| 137.5° | 1185.8 | 1242.6 |
| 140°   | 1138.2 | 1191.4 |
| 142.5° | 1098.9 | 1144.6 |
| 145°   | 1039.9 | 1074.5 |
| 147.5° | 994.6  | 1023.3 |
| 150°   | 966.1  | 989.3  |
| 152.5° | 941.7  | 959.2  |
| 155°   | 913.7  | 925.3  |
| 157.5° | 891.5  | 899.7  |
| 160°   | 878.2  | 883.0  |
| 162.5° | 869.6  | 874.1  |
| 165°   | 857.1  | 861.8  |
| 167.5° | 848.2  | 850.1  |
| 170°   | 845.7  | 845.7  |
| 172.5° | 839.1  | 837.4  |
| 175°   | 835.1  | 835.1  |
| 177.5° | 831.5  | 829.5  |
| 180°   | 829.5  | 829.5  |



TEST NUMBER: P938333

CATALOG NUMBER: SQ4-FB-150U-075D-92765-1D-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 | 1.89             | 2.61  | 3.01  | 3.72  | 5.26  | 15.03          | 15.74 | 16.14 | 16.86 | 18.40 |
|                 | 3H   | 2.58             | 3.23  | 3.71  | 4.35  | 5.91  | 16.84          | 17.48 | 17.97 | 18.61 | 20.17 |
|                 | 4H   | 2.88             | 3.49  | 4.01  | 4.61  | 6.18  | 17.47          | 18.08 | 18.60 | 19.20 | 20.77 |
|                 | 6H   | 3.12             | 3.68  | 4.26  | 4.81  | 6.38  | 17.88          | 18.44 | 19.02 | 19.57 | 21.15 |
|                 | 8H   | 3.18             | 3.72  | 4.33  | 4.86  | 6.43  | 17.99          | 18.52 | 19.13 | 19.67 | 21.24 |
|                 | 12H  | 3.19             | 3.70  | 4.35  | 4.84  | 6.43  | 18.04          | 18.55 | 19.20 | 19.69 | 21.28 |
| 4H              | 2H   | 9.06             | 9.67  | 10.20 | 10.79 | 12.36 | 15.29          | 15.90 | 16.43 | 17.02 | 18.59 |
|                 | 3H   | 10.62            | 11.13 | 11.77 | 12.28 | 13.86 | 17.30          | 17.81 | 18.45 | 18.96 | 20.54 |
|                 | 4H   | 10.71            | 11.18 | 11.86 | 12.31 | 13.91 | 18.05          | 18.52 | 19.20 | 19.66 | 21.26 |
|                 | 6H   | 10.71            | 11.11 | 11.87 | 12.27 | 13.86 | 18.57          | 18.97 | 19.73 | 20.13 | 21.72 |
|                 | 8H   | 10.68            | 11.06 | 11.84 | 12.21 | 13.82 | 18.72          | 19.10 | 19.88 | 20.25 | 21.86 |
|                 | 12H  | 10.63            | 10.97 | 11.80 | 12.14 | 13.75 | 18.80          | 19.14 | 19.97 | 20.30 | 21.92 |
| 8H              | 4H   | 12.13            | 12.50 | 13.28 | 13.66 | 15.26 | 18.10          | 18.48 | 19.26 | 19.63 | 21.24 |
|                 | 6H   | 12.36            | 12.67 | 13.54 | 13.87 | 15.47 | 18.71          | 19.02 | 19.89 | 20.22 | 21.82 |
|                 | 8H   | 12.38            | 12.65 | 13.56 | 13.82 | 15.45 | 18.92          | 19.19 | 20.10 | 20.37 | 21.99 |
|                 | 12H  | 12.34            | 12.58 | 13.53 | 13.75 | 15.41 | 19.05          | 19.29 | 20.24 | 20.46 | 22.11 |
| 12H             | 4H   | 12.26            | 12.60 | 13.43 | 13.77 | 15.38 | 18.05          | 18.39 | 19.22 | 19.55 | 21.16 |
|                 | 6H   | 12.62            | 12.89 | 13.80 | 14.06 | 15.68 | 18.69          | 18.96 | 19.87 | 20.14 | 21.76 |
|                 | 8H   | 12.68            | 12.92 | 13.87 | 14.09 | 15.74 | 18.91          | 19.15 | 20.09 | 20.32 | 21.97 |