

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: P937887

Luminaire Tested: SQ4-FB-125U-050D-B2750-1D-UNV-STD-W-6-2700K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P937887  
REPORT IS A COMBINATION OF REPORTS P933605 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-125U-050D-B2750-1D-UNV-STD-W-6-2700K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

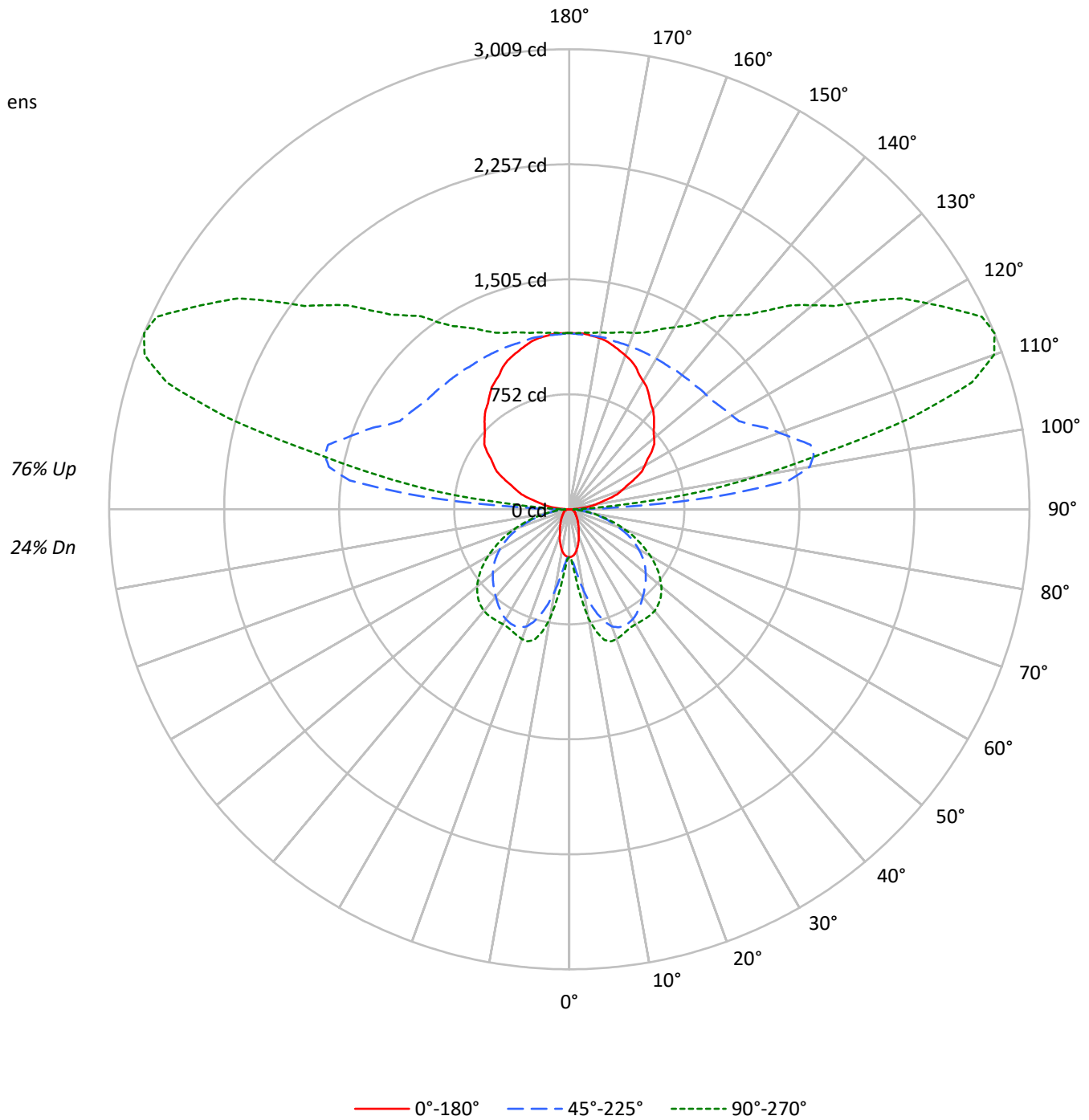
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9886.3 lumens  
Efficiency: N/A  
Efficacy: 138.5 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: Semi-Indirect

Input Watts (W): 71.4  
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: P937887  
CATALOG NUMBER: SQ4-FB-125U-050D-B2750-1D-UNV-STD-W-6-2700K

### Luminous Intensity Polar Plot





TEST NUMBER: P937887

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

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 1927 | 1927 | 1927 |
| 5°  | 1883 | 2227 | 2591 |
| 10° | 1707 | 3246 | 4295 |
| 15° | 1450 | 4239 | 5186 |
| 20° | 1180 | 4912 | 5286 |
| 25° | 984  | 5138 | 5179 |
| 30° | 829  | 5170 | 5168 |
| 35° | 733  | 5082 | 5302 |
| 40° | 639  | 4970 | 5440 |
| 45° | 577  | 4886 | 5461 |
| 50° | 529  | 4811 | 5371 |
| 55° | 507  | 4702 | 5133 |
| 60° | 518  | 4494 | 4757 |
| 65° | 537  | 4177 | 4240 |
| 70° | 572  | 3640 | 3583 |
| 75° | 632  | 2965 | 2796 |
| 80° | 684  | 2053 | 1884 |
| 85° | 602  | 1090 | 964  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 5461 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 40.3   | 0.4       |
| 10°-20°   | 178.6  | 1.8       |
| 20°-30°   | 312.4  | 3.2       |
| 30°-40°   | 402.2  | 4.1       |
| 40°-50°   | 449.2  | 4.5       |
| 50°-60°   | 430.3  | 4.4       |
| 60°-70°   | 341.0  | 3.4       |
| 70°-80°   | 200.5  | 2.0       |
| 80°-90°   | 60.1   | 0.6       |
| 90°-100°  | 561.8  | 5.7       |
| 100°-110° | 1477.0 | 14.9      |
| 110°-120° | 1531.5 | 15.5      |
| 120°-130° | 1228.5 | 12.4      |
| 130°-140° | 963.9  | 9.7       |
| 140°-150° | 739.8  | 7.5       |
| 150°-160° | 532.8  | 5.4       |
| 160°-170° | 326.0  | 3.3       |
| 170°-180° | 110.1  | 1.1       |
| 0°-30°    | 531.4  | 5.4       |
| 0°-40°    | 933.6  | 9.4       |
| 0°-60°    | 1813.1 | 18.3      |
| 0°-90°    | 2414.7 | 24.4      |
| 90°-120°  | 3570.4 | 36.1      |
| 90°-150°  | 6502.6 | 65.8      |
| 90°-180°  | 7472.0 | 75.6      |
| 0°-180°   | 9886.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 312  | 312   | 312  | 312   | 312  |      |
| 5°   | 304  | 326   | 367  | 415   | 430  | 28   |
| 15°  | 227  | 420   | 707  | 858   | 885  | 63   |
| 25°  | 145  | 476   | 842  | 880   | 881  | 67   |
| 35°  | 98   | 455   | 793  | 838   | 872  | 61   |
| 45°  | 67   | 363   | 701  | 804   | 840  | 52   |
| 55°  | 48   | 230   | 595  | 691   | 710  | 44   |
| 65°  | 38   | 122   | 442  | 497   | 504  | 38   |
| 75°  | 28   | 75    | 242  | 266   | 268  | 29   |
| 85°  | 10   | 23    | 60   | 66    | 67   | 11   |
| 90°  | 8    | 22    | 59   | 29    | 29   | 7    |
| 95°  | 74   | 291   | 968  | 499   | 340  | 82   |
| 105° | 266  | 403   | 1633 | 2479  | 2313 | 282  |
| 115° | 473  | 574   | 1308 | 2609  | 2978 | 467  |
| 125° | 658  | 737   | 1190 | 2010  | 2372 | 584  |
| 135° | 784  | 862   | 1153 | 1623  | 1840 | 606  |
| 145° | 909  | 967   | 1138 | 1385  | 1493 | 569  |
| 155° | 1027 | 1056  | 1138 | 1249  | 1286 | 472  |
| 165° | 1108 | 1123  | 1138 | 1183  | 1197 | 313  |
| 175° | 1153 | 1153  | 1146 | 1160  | 1160 | 109  |
| 180° | 1153 | 1153  | 1153 | 1153  | 1153 |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0°     | 311.5 | 311.5 | 311.5 | 311.5 | 311.5 | 311.5  | 311.5  | 311.5  | 311.5  | 311.5  | 311.5  |
| 2.5°   | 311.5 | 311.5 | 313.5 | 314.5 | 316.6 | 317.6  | 319.6  | 321.6  | 327.6  | 328.6  | 330.6  |
| 5°     | 303.6 | 307.6 | 320.6 | 325.6 | 339.6 | 358.7  | 366.6  | 379.7  | 406.8  | 414.7  | 419.8  |
| 7.5°   | 291.5 | 300.6 | 332.6 | 340.6 | 375.7 | 425.8  | 446.8  | 474.9  | 517.9  | 539.0  | 556.1  |
| 10°    | 272.5 | 291.5 | 348.6 | 367.7 | 424.8 | 500.9  | 540.0  | 579.1  | 644.2  | 673.2  | 684.3  |
| 12.5°  | 251.5 | 282.6 | 365.6 | 391.7 | 473.9 | 585.1  | 632.2  | 675.3  | 749.4  | 788.4  | 794.4  |
| 15°    | 227.4 | 269.5 | 381.7 | 419.8 | 526.0 | 655.2  | 707.3  | 760.4  | 829.6  | 857.6  | 864.6  |
| 17.5°  | 206.4 | 259.5 | 396.7 | 436.8 | 566.0 | 718.3  | 771.4  | 815.5  | 871.6  | 890.6  | 895.6  |
| 20°    | 180.4 | 243.4 | 406.8 | 458.9 | 608.2 | 764.4  | 815.5  | 849.6  | 887.6  | 899.7  | 901.7  |
| 22.5°  | 161.3 | 226.4 | 412.7 | 466.8 | 636.1 | 792.4  | 835.5  | 862.5  | 888.6  | 892.6  | 893.6  |
| 25°    | 145.3 | 207.4 | 411.7 | 475.9 | 660.2 | 809.4  | 842.5  | 862.5  | 877.6  | 879.6  | 879.6  |
| 27.5°  | 130.3 | 186.4 | 407.8 | 477.9 | 678.3 | 813.5  | 839.5  | 853.6  | 860.5  | 864.6  | 864.6  |
| 30°    | 117.2 | 166.3 | 397.7 | 473.9 | 686.2 | 809.4  | 830.6  | 837.5  | 844.5  | 850.6  | 853.6  |
| 32.5°  | 107.2 | 147.3 | 382.7 | 465.8 | 687.2 | 799.5  | 814.5  | 818.5  | 828.5  | 842.5  | 847.6  |
| 35°    | 98.2  | 128.3 | 365.6 | 454.9 | 681.3 | 783.5  | 793.4  | 797.5  | 817.5  | 838.5  | 845.5  |
| 37.5°  | 89.1  | 114.2 | 343.6 | 435.8 | 672.2 | 764.4  | 771.4  | 778.5  | 809.4  | 834.5  | 842.5  |
| 40°    | 80.2  | 102.2 | 317.6 | 414.7 | 658.3 | 741.3  | 747.4  | 758.4  | 799.5  | 828.5  | 836.5  |
| 42.5°  | 73.1  | 92.1  | 289.5 | 392.7 | 640.1 | 715.3  | 724.3  | 740.3  | 787.4  | 818.5  | 827.5  |
| 45°    | 67.1  | 82.2  | 259.5 | 362.6 | 617.1 | 688.2  | 701.3  | 723.3  | 773.4  | 803.5  | 811.4  |
| 47.5°  | 61.2  | 75.1  | 228.4 | 331.6 | 592.1 | 661.2  | 678.3  | 703.3  | 754.4  | 783.5  | 790.4  |
| 50°    | 56.1  | 68.1  | 197.4 | 298.5 | 565.0 | 632.2  | 652.2  | 678.3  | 730.4  | 757.4  | 766.4  |
| 52.5°  | 52.1  | 62.2  | 168.3 | 265.5 | 534.0 | 602.1  | 625.2  | 652.2  | 701.3  | 727.4  | 733.4  |
| 55°    | 48.1  | 57.1  | 143.2 | 230.4 | 501.9 | 570.0  | 595.1  | 621.1  | 669.2  | 691.2  | 695.3  |
| 57.5°  | 46.1  | 53.1  | 122.2 | 197.4 | 467.8 | 534.0  | 562.0  | 586.0  | 631.2  | 648.2  | 652.2  |
| 60°    | 43.1  | 50.1  | 106.2 | 169.3 | 430.8 | 499.9  | 524.0  | 548.0  | 586.0  | 600.1  | 603.1  |
| 62.5°  | 40.0  | 48.1  | 94.2  | 142.2 | 392.7 | 459.9  | 483.9  | 506.0  | 537.9  | 548.0  | 552.0  |
| 65°    | 38.0  | 46.1  | 85.2  | 122.2 | 353.7 | 417.7  | 441.8  | 460.8  | 486.8  | 496.9  | 498.9  |
| 67.5°  | 36.1  | 44.1  | 78.2  | 105.2 | 314.5 | 375.7  | 393.7  | 411.7  | 431.8  | 441.8  | 442.8  |
| 70°    | 33.1  | 42.0  | 72.1  | 93.1  | 274.5 | 327.6  | 342.6  | 361.6  | 377.7  | 382.7  | 385.8  |
| 72.5°  | 31.1  | 39.0  | 68.1  | 84.2  | 233.5 | 281.5  | 295.5  | 306.6  | 320.6  | 325.6  | 325.6  |
| 75°    | 28.1  | 35.1  | 64.1  | 75.1  | 191.3 | 230.4  | 242.4  | 253.5  | 264.4  | 266.5  | 263.4  |
| 77.5°  | 25.0  | 31.1  | 55.1  | 63.1  | 149.3 | 182.4  | 192.3  | 198.4  | 207.4  | 209.4  | 210.4  |
| 80°    | 21.0  | 27.1  | 43.1  | 49.1  | 108.2 | 134.3  | 141.2  | 146.3  | 154.3  | 154.3  | 156.3  |
| 82.5°  | 16.0  | 21.0  | 31.1  | 35.1  | 73.1  | 92.1   | 98.2   | 101.2  | 106.2  | 106.2  | 106.2  |
| 85°    | 10.1  | 13.0  | 20.0  | 23.0  | 44.1  | 56.1   | 60.2   | 61.2   | 65.1   | 66.1   | 66.1   |
| 87.5°  | 5.0   | 7.0   | 13.0  | 14.0  | 23.0  | 29.1   | 29.1   | 31.1   | 31.1   | 30.1   | 29.1   |
| 90°    | 7.8   | 13.9  | 20.1  | 21.6  | 34.0  | 50.5   | 58.8   | 52.2   | 39.1   | 29.4   | 29.4   |
| 92.5°  | 31.0  | 83.6  | 136.2 | 149.3 | 209.9 | 290.6  | 331.1  | 290.1  | 208.4  | 147.0  | 141.1  |
| 95°    | 74.3  | 170.5 | 266.7 | 290.8 | 516.4 | 817.3  | 967.7  | 863.5  | 655.2  | 498.9  | 481.2  |
| 97.5°  | 128.4 | 213.2 | 298.2 | 319.4 | 695.6 | 1197.3 | 1448.1 | 1382.2 | 1250.6 | 1151.8 | 1118.1 |
| 100°   | 170.2 | 247.2 | 324.2 | 343.4 | 760.8 | 1317.5 | 1595.8 | 1600.6 | 1610.2 | 1617.4 | 1577.3 |
| 102.5° | 205.8 | 277.6 | 349.5 | 367.4 | 790.8 | 1355.3 | 1637.5 | 1721.4 | 1889.2 | 2015.0 | 1980.6 |
| 105°   | 266.1 | 327.0 | 387.7 | 403.0 | 812.9 | 1359.6 | 1632.9 | 1821.0 | 2197.1 | 2479.1 | 2460.6 |
| 107.5° | 328.0 | 384.7 | 441.4 | 455.6 | 817.1 | 1299.1 | 1540.1 | 1802.5 | 2327.1 | 2720.5 | 2725.0 |
| 110°   | 369.7 | 420.9 | 472.1 | 485.0 | 810.8 | 1245.4 | 1462.7 | 1755.9 | 2342.5 | 2782.4 | 2801.6 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 410.8  | 459.6  | 508.4  | 520.6  | 811.1  | 1198.6 | 1392.3 | 1692.4 | 2292.7 | 2742.9 | 2772.5 |
| 115°   | 472.6  | 517.6  | 562.7  | 574.0  | 818.7  | 1144.9 | 1308.0 | 1597.2 | 2175.5 | 2609.1 | 2650.2 |
| 117.5° | 533.8  | 574.7  | 615.5  | 625.8  | 833.9  | 1111.2 | 1250.0 | 1510.9 | 2032.8 | 2424.3 | 2469.7 |
| 120°   | 569.3  | 607.9  | 646.3  | 656.0  | 846.2  | 1099.9 | 1226.8 | 1465.2 | 1942.0 | 2299.7 | 2343.9 |
| 122.5° | 604.2  | 643.0  | 681.9  | 691.5  | 864.0  | 1094.0 | 1209.0 | 1423.8 | 1853.2 | 2175.2 | 2218.7 |
| 125°   | 657.5  | 692.9  | 728.3  | 737.1  | 888.0  | 1089.1 | 1189.7 | 1372.1 | 1736.8 | 2010.4 | 2050.6 |
| 127.5° | 700.8  | 736.5  | 772.3  | 781.3  | 912.0  | 1086.3 | 1173.5 | 1330.1 | 1643.3 | 1878.2 | 1912.0 |
| 130°   | 724.0  | 762.5  | 801.0  | 810.6  | 929.5  | 1087.9 | 1167.2 | 1306.7 | 1585.4 | 1794.6 | 1825.9 |
| 132.5° | 748.0  | 786.5  | 825.0  | 834.6  | 943.7  | 1089.1 | 1161.8 | 1286.6 | 1536.2 | 1723.4 | 1751.4 |
| 135°   | 783.6  | 818.6  | 853.7  | 862.4  | 959.1  | 1088.1 | 1152.6 | 1257.1 | 1466.1 | 1622.9 | 1647.0 |
| 137.5° | 819.9  | 854.7  | 889.4  | 898.1  | 982.4  | 1094.8 | 1151.0 | 1239.3 | 1416.0 | 1548.6 | 1568.3 |
| 140°   | 850.1  | 882.1  | 914.0  | 922.0  | 996.5  | 1095.9 | 1145.6 | 1221.9 | 1374.6 | 1489.0 | 1507.5 |
| 142.5° | 873.3  | 902.9  | 932.5  | 939.8  | 1008.4 | 1099.9 | 1145.6 | 1212.6 | 1346.7 | 1447.3 | 1463.2 |
| 145°   | 908.8  | 934.6  | 960.4  | 966.9  | 1023.9 | 1099.9 | 1137.8 | 1192.7 | 1302.4 | 1384.6 | 1396.7 |
| 147.5° | 944.5  | 969.6  | 994.7  | 1001.0 | 1046.6 | 1107.5 | 1137.8 | 1181.0 | 1267.3 | 1332.1 | 1342.0 |
| 150°   | 967.7  | 990.4  | 1013.0 | 1018.7 | 1058.4 | 1111.3 | 1137.8 | 1174.3 | 1247.2 | 1301.9 | 1309.9 |
| 152.5° | 991.6  | 1008.8 | 1026.1 | 1030.4 | 1066.2 | 1113.9 | 1137.8 | 1168.9 | 1231.2 | 1277.9 | 1283.9 |
| 155°   | 1027.3 | 1040.0 | 1052.7 | 1055.9 | 1083.2 | 1119.6 | 1137.8 | 1162.6 | 1212.1 | 1249.3 | 1253.4 |
| 157.5° | 1053.6 | 1065.9 | 1078.3 | 1081.4 | 1100.2 | 1125.3 | 1137.8 | 1157.1 | 1195.6 | 1224.5 | 1227.3 |
| 160°   | 1071.3 | 1081.0 | 1090.6 | 1093.0 | 1108.0 | 1127.9 | 1137.8 | 1154.4 | 1187.3 | 1212.1 | 1213.7 |
| 162.5° | 1089.1 | 1096.3 | 1103.6 | 1105.4 | 1116.2 | 1130.7 | 1137.8 | 1151.8 | 1179.6 | 1200.5 | 1202.1 |
| 165°   | 1108.4 | 1115.0 | 1121.6 | 1123.2 | 1128.1 | 1134.5 | 1137.8 | 1147.8 | 1167.8 | 1182.8 | 1184.3 |
| 167.5° | 1126.3 | 1129.4 | 1132.5 | 1133.2 | 1137.3 | 1142.8 | 1145.6 | 1152.2 | 1165.2 | 1175.0 | 1175.7 |
| 170°   | 1137.8 | 1140.9 | 1144.0 | 1144.8 | 1145.1 | 1145.4 | 1145.6 | 1152.2 | 1165.2 | 1175.0 | 1175.0 |
| 172.5° | 1144.0 | 1144.7 | 1145.4 | 1145.6 | 1145.6 | 1145.6 | 1145.6 | 1150.8 | 1161.0 | 1168.8 | 1168.2 |
| 175°   | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1150.3 | 1147.2 | 1145.6 | 1148.9 | 1155.5 | 1160.3 | 1160.3 |
| 177.5° | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1150.8 | 1148.3 | 1147.1 | 1149.7 | 1154.9 | 1158.7 | 1158.0 |
| 180°   | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 | 1152.6 |



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CATALOG NUMBER: SQ4-FB-125U-050D-B2750-1D-UNV-STD-W-6-2700K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 311.5  | 311.5  |
| 2.5°   | 332.6  | 330.6  |
| 5°     | 427.8  | 429.8  |
| 7.5°   | 576.1  | 575.1  |
| 10°    | 716.3  | 725.3  |
| 12.5°  | 818.5  | 820.5  |
| 15°    | 880.7  | 884.6  |
| 17.5°  | 904.7  | 905.7  |
| 20°    | 905.7  | 903.7  |
| 22.5°  | 894.6  | 892.6  |
| 25°    | 881.7  | 880.7  |
| 27.5°  | 869.6  | 870.6  |
| 30°    | 864.6  | 867.6  |
| 32.5°  | 864.6  | 869.6  |
| 35°    | 866.6  | 871.6  |
| 37.5°  | 865.6  | 871.6  |
| 40°    | 861.5  | 868.6  |
| 42.5°  | 850.6  | 855.6  |
| 45°    | 833.6  | 839.5  |
| 47.5°  | 811.4  | 815.5  |
| 50°    | 783.5  | 787.4  |
| 52.5°  | 748.4  | 749.4  |
| 55°    | 706.3  | 710.3  |
| 57.5°  | 661.2  | 662.2  |
| 60°    | 611.1  | 614.1  |
| 62.5°  | 558.1  | 558.1  |
| 65°    | 501.9  | 503.9  |
| 67.5°  | 443.8  | 448.8  |
| 70°    | 384.8  | 385.8  |
| 72.5°  | 326.6  | 326.6  |
| 75°    | 266.5  | 267.5  |
| 77.5°  | 209.4  | 209.4  |
| 80°    | 155.3  | 156.3  |
| 82.5°  | 107.2  | 109.2  |
| 85°    | 67.1   | 67.1   |
| 87.5°  | 31.1   | 28.1   |
| 90°    | 29.4   | 29.4   |
| 92.5°  | 117.7  | 94.3   |
| 95°    | 410.4  | 339.5  |
| 97.5°  | 983.4  | 848.6  |
| 100°   | 1416.8 | 1256.3 |
| 102.5° | 1843.1 | 1705.6 |
| 105°   | 2386.7 | 2312.8 |
| 107.5° | 2742.8 | 2760.7 |
| 110°   | 2878.6 | 2955.6 |





TEST NUMBER: P937887

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**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 2890.7 | 3009.0 |
| 115°   | 2814.1 | 2978.0 |
| 117.5° | 2651.6 | 2833.4 |
| 120°   | 2520.6 | 2697.3 |
| 122.5° | 2393.0 | 2567.3 |
| 125°   | 2211.1 | 2371.7 |
| 127.5° | 2047.5 | 2182.9 |
| 130°   | 1951.1 | 2076.2 |
| 132.5° | 1863.5 | 1975.6 |
| 135°   | 1743.6 | 1840.2 |
| 137.5° | 1647.4 | 1726.5 |
| 140°   | 1581.4 | 1655.4 |
| 142.5° | 1526.8 | 1590.4 |
| 145°   | 1444.8 | 1492.9 |
| 147.5° | 1382.0 | 1421.8 |
| 150°   | 1342.3 | 1374.6 |
| 152.5° | 1308.3 | 1332.7 |
| 155°   | 1269.5 | 1285.6 |
| 157.5° | 1238.6 | 1250.0 |
| 160°   | 1220.3 | 1226.8 |
| 162.5° | 1208.2 | 1214.4 |
| 165°   | 1190.9 | 1197.4 |
| 167.5° | 1178.4 | 1181.2 |
| 170°   | 1175.0 | 1175.0 |
| 172.5° | 1165.8 | 1163.4 |
| 175°   | 1160.3 | 1160.3 |
| 177.5° | 1155.4 | 1152.6 |
| 180°   | 1152.6 | 1152.6 |



TEST NUMBER: P937887

CATALOG NUMBER: SQ4-FB-125U-050D-B2750-1D-UNV-STD-W-6-2700K

**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 | 0.26             | 0.95  | 1.41  | 2.09  | 3.68  | 13.43          | 14.12 | 14.58 | 15.25 | 16.85 |
|                 | 3H   | 0.96             | 1.57  | 2.11  | 2.72  | 4.33  | 15.25          | 15.87 | 16.40 | 17.01 | 18.62 |
|                 | 4H   | 1.25             | 1.83  | 2.41  | 2.98  | 4.59  | 15.89          | 16.47 | 17.05 | 17.62 | 19.23 |
|                 | 6H   | 1.49             | 2.03  | 2.66  | 3.17  | 4.80  | 16.30          | 16.84 | 17.47 | 17.99 | 19.61 |
|                 | 8H   | 1.55             | 2.06  | 2.72  | 3.23  | 4.84  | 16.42          | 16.93 | 17.59 | 18.09 | 19.71 |
|                 | 12H  | 1.56             | 2.05  | 2.74  | 3.21  | 4.85  | 16.47          | 16.96 | 17.65 | 18.12 | 19.76 |
| 4H              | 2H   | 7.45             | 8.04  | 8.62  | 9.18  | 10.79 | 13.68          | 14.27 | 14.85 | 15.41 | 17.03 |
|                 | 3H   | 9.00             | 9.49  | 10.18 | 10.66 | 12.29 | 15.71          | 16.20 | 16.88 | 17.37 | 18.99 |
|                 | 4H   | 9.09             | 9.54  | 10.27 | 10.70 | 12.34 | 16.46          | 16.91 | 17.64 | 18.07 | 19.72 |
|                 | 6H   | 9.09             | 9.48  | 10.27 | 10.66 | 12.29 | 16.99          | 17.37 | 18.17 | 18.56 | 20.19 |
|                 | 8H   | 9.06             | 9.42  | 10.24 | 10.60 | 12.25 | 17.14          | 17.50 | 18.32 | 18.68 | 20.33 |
|                 | 12H  | 9.01             | 9.34  | 10.21 | 10.52 | 12.18 | 17.22          | 17.55 | 18.42 | 18.74 | 20.39 |
| 8H              | 4H   | 10.52            | 10.88 | 11.70 | 12.05 | 13.70 | 16.51          | 16.87 | 17.69 | 18.04 | 19.69 |
|                 | 6H   | 10.75            | 11.05 | 11.95 | 12.26 | 13.91 | 17.13          | 17.42 | 18.33 | 18.64 | 20.29 |
|                 | 8H   | 10.77            | 11.02 | 11.97 | 12.22 | 13.89 | 17.34          | 17.60 | 18.55 | 18.79 | 20.46 |
|                 | 12H  | 10.73            | 10.95 | 11.93 | 12.14 | 13.84 | 17.47          | 17.70 | 18.68 | 18.89 | 20.59 |
| 12H             | 4H   | 10.65            | 10.98 | 11.85 | 12.16 | 13.82 | 16.45          | 16.78 | 17.65 | 17.96 | 19.62 |
|                 | 6H   | 11.01            | 11.26 | 12.21 | 12.46 | 14.12 | 17.11          | 17.37 | 18.31 | 18.56 | 20.23 |
|                 | 8H   | 11.07            | 11.29 | 12.27 | 12.48 | 14.18 | 17.33          | 17.55 | 18.53 | 18.74 | 20.44 |