

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: P937187

Luminaire Tested: SQ4-FB-075U-075D-B2750-1D-UNV-STD-W-6-2700K

Issue Date: 12/17/2024

**Test Information**

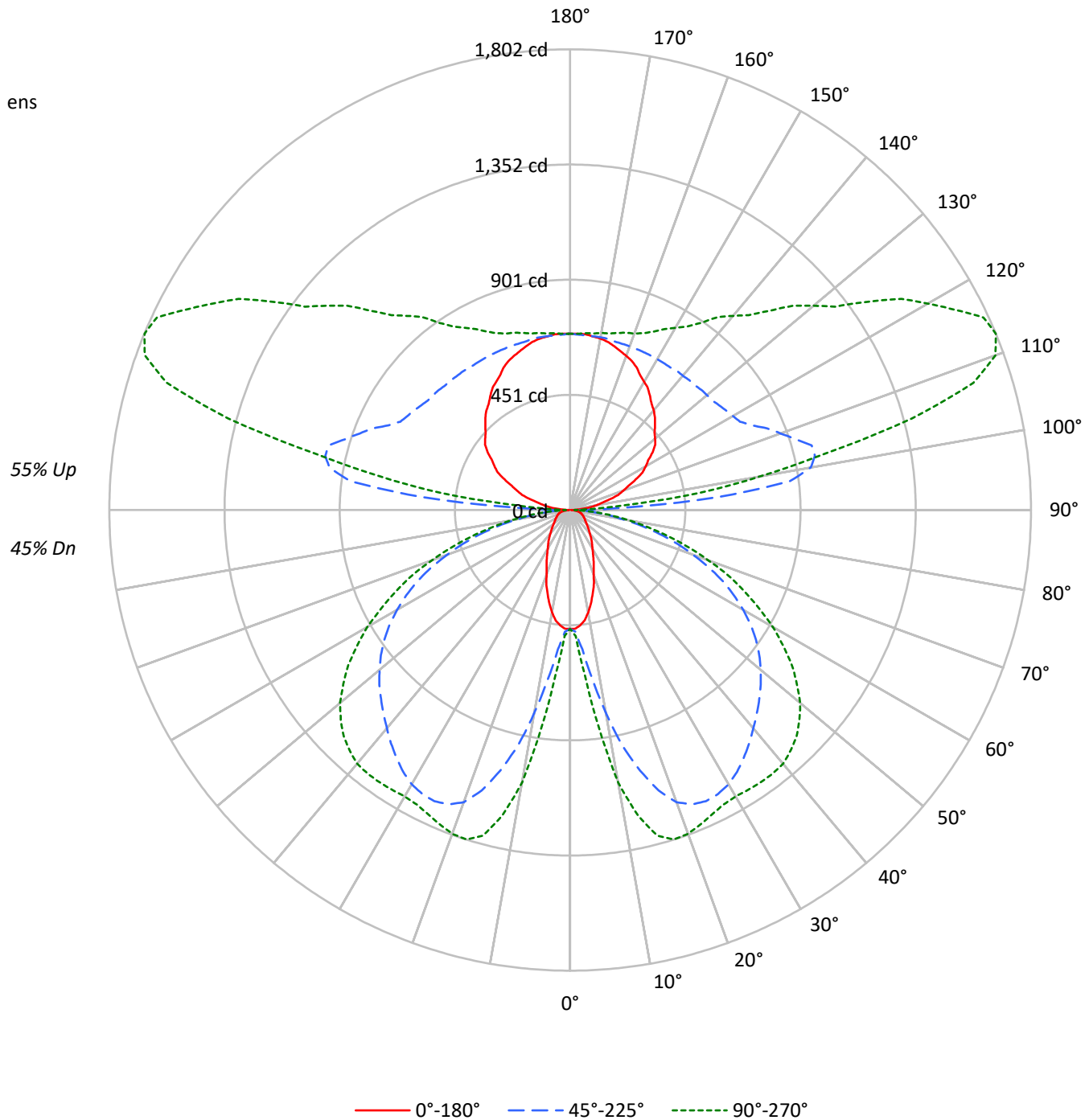
Test Method: LM-79-2019  
Report Number: P937187  
REPORT IS A COMBINATION OF REPORTS P933510 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-075U-075D-B2750-1D-UNV-STD-W-6-2700K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8070.5 lumens  
Efficiency: N/A  
Efficacy: 126.9 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: General Diffuse  
  
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: P937187  
CATALOG NUMBER: SQ4-FB-075U-075D-B2750-1D-UNV-STD-W-6-2700K

### Luminous Intensity Polar Plot





TEST NUMBER: P937187

CATALOG NUMBER: SQ4-FB-075U-075D-B2750-1D-UNV-STD-W-6-2700K

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

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 2874 | 2874 | 2874 |
| 5°  | 2807 | 3321 | 3863 |
| 10° | 2545 | 4840 | 6405 |
| 15° | 2162 | 6322 | 7735 |
| 20° | 1760 | 7325 | 7883 |
| 25° | 1467 | 7664 | 7722 |
| 30° | 1237 | 7710 | 7708 |
| 35° | 1093 | 7580 | 7907 |
| 40° | 952  | 7411 | 8113 |
| 45° | 861  | 7287 | 8145 |
| 50° | 790  | 7175 | 8010 |
| 55° | 755  | 7011 | 7654 |
| 60° | 772  | 6701 | 7094 |
| 65° | 803  | 6230 | 6324 |
| 70° | 853  | 5428 | 5342 |
| 75° | 941  | 4422 | 4169 |
| 80° | 1022 | 3064 | 2810 |
| 85° | 888  | 1622 | 1438 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 8145 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 60.1   | 0.7       |
| 10°-20°   | 266.4  | 3.3       |
| 20°-30°   | 466.0  | 5.8       |
| 30°-40°   | 599.8  | 7.4       |
| 40°-50°   | 670.0  | 8.3       |
| 50°-60°   | 641.7  | 8.0       |
| 60°-70°   | 508.5  | 6.3       |
| 70°-80°   | 299.0  | 3.7       |
| 80°-90°   | 85.7   | 1.1       |
| 90°-100°  | 336.4  | 4.2       |
| 100°-110° | 884.4  | 11.0      |
| 110°-120° | 917.0  | 11.4      |
| 120°-130° | 735.5  | 9.1       |
| 130°-140° | 577.1  | 7.2       |
| 140°-150° | 443.0  | 5.5       |
| 150°-160° | 319.0  | 4.0       |
| 160°-170° | 195.2  | 2.4       |
| 170°-180° | 65.9   | 0.8       |
| 0°-30°    | 792.4  | 9.8       |
| 0°-40°    | 1392.3 | 17.3      |
| 0°-60°    | 2703.9 | 33.5      |
| 0°-90°    | 3597.1 | 44.6      |
| 90°-120°  | 2137.7 | 26.5      |
| 90°-150°  | 3893.3 | 48.2      |
| 90°-180°  | 4473.0 | 55.4      |
| 0°-180°   | 8070.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|-----|-------|------|-------|------|------|
| 0°   | 465 | 465   | 465  | 465   | 465  |      |
| 5°   | 453 | 486   | 547  | 618   | 641  | 42   |
| 15°  | 339 | 626   | 1055 | 1279  | 1319 | 94   |
| 25°  | 217 | 710   | 1257 | 1312  | 1313 | 100  |
| 35°  | 146 | 678   | 1183 | 1251  | 1300 | 91   |
| 45°  | 100 | 541   | 1046 | 1198  | 1252 | 77   |
| 55°  | 72  | 344   | 887  | 1031  | 1059 | 65   |
| 65°  | 57  | 182   | 659  | 741   | 752  | 56   |
| 75°  | 42  | 112   | 362  | 397   | 399  | 44   |
| 85°  | 15  | 34    | 90   | 99    | 100  | 16   |
| 90°  | 5   | 13    | 35   | 18    | 18   | 5    |
| 95°  | 44  | 174   | 579  | 299   | 203  | 49   |
| 105° | 159 | 241   | 978  | 1484  | 1385 | 169  |
| 115° | 283 | 344   | 783  | 1562  | 1783 | 279  |
| 125° | 394 | 441   | 712  | 1204  | 1420 | 349  |
| 135° | 469 | 516   | 690  | 972   | 1102 | 363  |
| 145° | 544 | 579   | 681  | 829   | 894  | 341  |
| 155° | 615 | 632   | 681  | 748   | 770  | 283  |
| 165° | 664 | 672   | 681  | 708   | 717  | 187  |
| 175° | 690 | 690   | 686  | 695   | 695  | 66   |
| 180° | 690 | 690   | 690  | 690   | 690  |      |



TEST NUMBER: P937187

CATALOG NUMBER: SQ4-FB-075U-075D-B2750-1D-UNV-STD-W-6-2700K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 464.6 | 464.6 | 464.6 | 464.6 | 464.6  | 464.6  | 464.6  | 464.6  | 464.6  | 464.6  | 464.6  |
| 2.5°   | 464.6 | 464.6 | 467.6 | 469.1 | 472.1  | 473.6  | 476.6  | 479.6  | 488.5  | 490.0  | 493.0  |
| 5°     | 452.7 | 458.7 | 478.1 | 485.6 | 506.5  | 534.9  | 546.8  | 566.2  | 606.6  | 618.5  | 626.0  |
| 7.5°   | 434.8 | 448.2 | 496.0 | 508.0 | 560.2  | 635.0  | 666.3  | 708.2  | 772.4  | 803.8  | 829.2  |
| 10°    | 406.4 | 434.8 | 519.9 | 548.3 | 633.5  | 747.0  | 805.3  | 863.5  | 960.6  | 1004.0 | 1020.4 |
| 12.5°  | 375.0 | 421.3 | 545.3 | 584.2 | 706.7  | 872.5  | 942.7  | 1007.0 | 1117.5 | 1175.9 | 1184.8 |
| 15°    | 339.1 | 401.9 | 569.2 | 626.0 | 784.4  | 977.1  | 1054.8 | 1134.0 | 1237.1 | 1279.0 | 1289.4 |
| 17.5°  | 307.8 | 386.9 | 591.6 | 651.4 | 844.1  | 1071.2 | 1150.5 | 1216.2 | 1299.9 | 1328.3 | 1335.7 |
| 20°    | 268.9 | 363.0 | 606.6 | 684.3 | 906.9  | 1140.0 | 1216.2 | 1267.0 | 1323.8 | 1341.7 | 1344.7 |
| 22.5°  | 240.5 | 337.6 | 615.5 | 696.2 | 948.7  | 1181.9 | 1246.1 | 1286.4 | 1325.3 | 1331.3 | 1332.7 |
| 25°    | 216.6 | 309.3 | 614.0 | 709.6 | 984.5  | 1207.3 | 1256.6 | 1286.4 | 1308.8 | 1311.8 | 1311.8 |
| 27.5°  | 194.2 | 277.9 | 608.1 | 712.6 | 1011.4 | 1213.2 | 1252.1 | 1273.0 | 1283.4 | 1289.4 | 1289.4 |
| 30°    | 174.8 | 248.0 | 593.1 | 706.7 | 1023.4 | 1207.3 | 1238.6 | 1249.1 | 1259.5 | 1268.5 | 1273.0 |
| 32.5°  | 159.9 | 219.6 | 570.7 | 694.7 | 1024.9 | 1192.3 | 1214.7 | 1220.7 | 1235.6 | 1256.6 | 1264.0 |
| 35°    | 146.4 | 191.2 | 545.3 | 678.3 | 1015.9 | 1168.4 | 1183.3 | 1189.3 | 1219.2 | 1250.6 | 1261.0 |
| 37.5°  | 133.0 | 170.3 | 512.4 | 649.9 | 1002.5 | 1140.0 | 1150.5 | 1160.9 | 1207.3 | 1244.6 | 1256.6 |
| 40°    | 119.5 | 152.4 | 473.6 | 618.5 | 981.6  | 1105.6 | 1114.5 | 1131.0 | 1192.3 | 1235.6 | 1247.6 |
| 42.5°  | 109.1 | 137.4 | 431.8 | 585.6 | 954.7  | 1066.7 | 1080.2 | 1104.1 | 1174.4 | 1220.7 | 1234.1 |
| 45°    | 100.1 | 122.5 | 386.9 | 540.8 | 920.3  | 1026.4 | 1045.8 | 1078.7 | 1153.5 | 1198.3 | 1210.2 |
| 47.5°  | 91.1  | 112.0 | 340.6 | 494.5 | 883.0  | 986.0  | 1011.4 | 1048.8 | 1125.0 | 1168.4 | 1178.9 |
| 50°    | 83.7  | 101.6 | 294.3 | 445.2 | 842.6  | 942.7  | 972.6  | 1011.4 | 1089.1 | 1129.5 | 1143.0 |
| 52.5°  | 77.7  | 92.6  | 251.0 | 395.9 | 796.3  | 897.9  | 932.3  | 972.6  | 1045.8 | 1084.6 | 1093.6 |
| 55°    | 71.7  | 85.2  | 213.6 | 343.6 | 748.5  | 850.1  | 887.4  | 926.3  | 998.0  | 1030.9 | 1036.8 |
| 57.5°  | 68.7  | 79.2  | 182.3 | 294.3 | 697.7  | 796.3  | 838.1  | 874.0  | 941.2  | 966.6  | 972.6  |
| 60°    | 64.2  | 74.7  | 158.4 | 252.5 | 642.4  | 745.5  | 781.4  | 817.2  | 874.0  | 894.9  | 899.4  |
| 62.5°  | 59.8  | 71.7  | 140.4 | 212.1 | 585.6  | 685.7  | 721.6  | 754.5  | 802.3  | 817.2  | 823.2  |
| 65°    | 56.8  | 68.7  | 127.0 | 182.3 | 527.4  | 623.0  | 658.9  | 687.2  | 726.1  | 741.0  | 744.0  |
| 67.5°  | 53.8  | 65.7  | 116.5 | 156.9 | 469.1  | 560.2  | 587.1  | 614.0  | 643.9  | 658.9  | 660.3  |
| 70°    | 49.3  | 62.7  | 107.6 | 138.9 | 409.4  | 488.5  | 510.9  | 539.3  | 563.2  | 570.7  | 575.2  |
| 72.5°  | 46.3  | 58.3  | 101.6 | 125.5 | 348.1  | 419.8  | 440.7  | 457.2  | 478.1  | 485.6  | 485.6  |
| 75°    | 41.8  | 52.3  | 95.6  | 112.0 | 285.4  | 343.6  | 361.5  | 378.0  | 394.4  | 397.4  | 392.9  |
| 77.5°  | 37.4  | 46.3  | 82.2  | 94.1  | 222.6  | 271.9  | 286.8  | 295.8  | 309.3  | 312.2  | 313.7  |
| 80°    | 31.4  | 40.3  | 64.2  | 73.2  | 161.4  | 200.2  | 210.7  | 218.1  | 230.1  | 230.1  | 233.1  |
| 82.5°  | 23.9  | 31.4  | 46.3  | 52.3  | 109.1  | 137.4  | 146.4  | 150.9  | 158.4  | 158.4  | 158.4  |
| 85°    | 14.9  | 19.4  | 29.9  | 34.4  | 65.7   | 83.7   | 89.6   | 91.1   | 97.1   | 98.6   | 98.6   |
| 87.5°  | 7.5   | 10.5  | 19.4  | 20.9  | 34.4   | 43.3   | 43.3   | 46.3   | 46.3   | 44.8   | 43.3   |
| 90°    | 4.6   | 8.3   | 12.1  | 12.9  | 20.3   | 30.2   | 35.2   | 31.3   | 23.5   | 17.6   | 17.6   |
| 92.5°  | 18.5  | 50.0  | 81.5  | 89.3  | 125.6  | 174.0  | 198.2  | 173.7  | 124.7  | 87.9   | 84.5   |
| 95°    | 44.4  | 102.1 | 159.7 | 174.1 | 309.2  | 489.3  | 579.4  | 517.0  | 392.2  | 298.7  | 288.1  |
| 97.5°  | 76.9  | 127.7 | 178.5 | 191.2 | 416.5  | 716.8  | 867.0  | 827.6  | 748.8  | 689.6  | 669.4  |
| 100°   | 101.9 | 148.0 | 194.1 | 205.7 | 455.6  | 788.8  | 955.5  | 958.4  | 964.1  | 968.4  | 944.4  |
| 102.5° | 123.2 | 166.2 | 209.3 | 220.0 | 473.5  | 811.4  | 980.5  | 1030.7 | 1131.2 | 1206.5 | 1185.8 |
| 105°   | 159.4 | 195.8 | 232.3 | 241.3 | 486.7  | 814.0  | 977.7  | 1090.2 | 1315.4 | 1484.3 | 1473.3 |
| 107.5° | 196.4 | 230.4 | 264.3 | 272.8 | 489.2  | 777.8  | 922.1  | 1079.2 | 1393.3 | 1628.9 | 1631.5 |
| 110°   | 221.4 | 252.1 | 282.7 | 290.3 | 485.5  | 745.7  | 875.8  | 1051.4 | 1402.6 | 1665.9 | 1677.5 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 112.5° | 245.9 | 275.1 | 304.4 | 311.6 | 485.6 | 717.6 | 833.7 | 1013.3 | 1372.7 | 1642.2 | 1659.9 |
| 115°   | 283.0 | 310.0 | 336.8 | 343.6 | 490.1 | 685.4 | 783.2 | 956.3  | 1302.5 | 1562.1 | 1586.6 |
| 117.5° | 319.5 | 344.0 | 368.5 | 374.7 | 499.3 | 665.3 | 748.4 | 904.7  | 1217.1 | 1451.5 | 1478.7 |
| 120°   | 340.8 | 363.9 | 386.9 | 392.7 | 506.7 | 658.6 | 734.6 | 877.3  | 1162.7 | 1376.9 | 1403.4 |
| 122.5° | 361.7 | 385.0 | 408.3 | 414.0 | 517.3 | 655.1 | 723.9 | 852.4  | 1109.4 | 1302.3 | 1328.4 |
| 125°   | 393.6 | 414.8 | 436.0 | 441.3 | 531.7 | 652.1 | 712.3 | 821.5  | 1039.9 | 1203.7 | 1227.7 |
| 127.5° | 419.6 | 441.0 | 462.3 | 467.7 | 546.0 | 650.4 | 702.6 | 796.3  | 983.8  | 1124.5 | 1144.8 |
| 130°   | 433.5 | 456.6 | 479.6 | 485.4 | 556.6 | 651.5 | 698.9 | 782.4  | 949.3  | 1074.5 | 1093.2 |
| 132.5° | 447.8 | 470.9 | 493.9 | 499.7 | 565.0 | 652.1 | 695.6 | 770.3  | 919.8  | 1031.9 | 1048.6 |
| 135°   | 469.1 | 490.1 | 511.1 | 516.4 | 574.3 | 651.5 | 690.0 | 752.6  | 877.8  | 971.6  | 986.0  |
| 137.5° | 490.9 | 511.6 | 532.5 | 537.6 | 588.1 | 655.5 | 689.1 | 742.0  | 847.8  | 927.2  | 939.0  |
| 140°   | 509.0 | 528.1 | 547.3 | 552.1 | 596.7 | 656.2 | 685.8 | 731.6  | 823.0  | 891.5  | 902.6  |
| 142.5° | 522.9 | 540.6 | 558.4 | 562.7 | 603.8 | 658.5 | 685.8 | 726.0  | 806.3  | 866.5  | 876.1  |
| 145°   | 544.2 | 559.7 | 575.0 | 578.9 | 613.0 | 658.6 | 681.3 | 714.1  | 779.8  | 829.0  | 836.1  |
| 147.5° | 565.4 | 580.5 | 595.5 | 599.3 | 626.6 | 663.0 | 681.3 | 707.1  | 758.8  | 797.5  | 803.5  |
| 150°   | 579.4 | 592.9 | 606.6 | 610.0 | 633.8 | 665.4 | 681.3 | 703.1  | 746.7  | 779.5  | 784.4  |
| 152.5° | 593.7 | 604.1 | 614.3 | 616.9 | 638.3 | 666.9 | 681.3 | 699.9  | 737.1  | 765.1  | 768.8  |
| 155°   | 615.0 | 622.6 | 630.3 | 632.2 | 648.5 | 670.3 | 681.3 | 696.1  | 725.8  | 748.0  | 750.4  |
| 157.5° | 630.8 | 638.2 | 645.6 | 647.5 | 658.8 | 673.8 | 681.3 | 692.8  | 715.8  | 733.2  | 734.8  |
| 160°   | 641.4 | 647.2 | 653.0 | 654.4 | 663.3 | 675.3 | 681.3 | 691.1  | 710.8  | 725.7  | 726.7  |
| 162.5° | 652.1 | 656.5 | 660.7 | 661.8 | 668.3 | 677.0 | 681.3 | 689.6  | 706.3  | 718.8  | 719.7  |
| 165°   | 663.6 | 667.6 | 671.5 | 672.5 | 675.4 | 679.3 | 681.3 | 687.2  | 699.2  | 708.2  | 709.2  |
| 167.5° | 674.3 | 676.2 | 678.0 | 678.5 | 681.0 | 684.3 | 685.8 | 689.7  | 697.6  | 703.5  | 703.9  |
| 170°   | 681.3 | 683.2 | 684.9 | 685.4 | 685.5 | 685.7 | 685.8 | 689.7  | 697.6  | 703.5  | 703.5  |
| 172.5° | 684.9 | 685.3 | 685.7 | 685.8 | 685.8 | 685.8 | 685.8 | 688.9  | 695.1  | 699.8  | 699.4  |
| 175°   | 690.0 | 690.0 | 690.0 | 690.0 | 688.6 | 686.7 | 685.8 | 687.8  | 691.7  | 694.7  | 694.7  |
| 177.5° | 690.0 | 690.0 | 690.0 | 690.0 | 688.9 | 687.5 | 686.8 | 688.4  | 691.5  | 693.8  | 693.4  |
| 180°   | 690.0 | 690.0 | 690.0 | 690.0 | 690.0 | 690.0 | 690.0 | 690.0  | 690.0  | 690.0  | 690.0  |



TEST NUMBER: P937187

CATALOG NUMBER: SQ4-FB-075U-075D-B2750-1D-UNV-STD-W-6-2700K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 464.6  | 464.6  |
| 2.5°   | 496.0  | 493.0  |
| 5°     | 637.9  | 640.9  |
| 7.5°   | 859.0  | 857.6  |
| 10°    | 1068.2 | 1081.7 |
| 12.5°  | 1220.7 | 1223.7 |
| 15°    | 1313.3 | 1319.3 |
| 17.5°  | 1349.2 | 1350.7 |
| 20°    | 1350.7 | 1347.7 |
| 22.5°  | 1334.2 | 1331.3 |
| 25°    | 1314.8 | 1313.3 |
| 27.5°  | 1296.9 | 1298.4 |
| 30°    | 1289.4 | 1293.9 |
| 32.5°  | 1289.4 | 1296.9 |
| 35°    | 1292.4 | 1299.9 |
| 37.5°  | 1290.9 | 1299.9 |
| 40°    | 1284.9 | 1295.4 |
| 42.5°  | 1268.5 | 1276.0 |
| 45°    | 1243.1 | 1252.1 |
| 47.5°  | 1210.2 | 1216.2 |
| 50°    | 1168.4 | 1174.4 |
| 52.5°  | 1116.0 | 1117.5 |
| 55°    | 1053.3 | 1059.2 |
| 57.5°  | 986.0  | 987.5  |
| 60°    | 911.3  | 915.8  |
| 62.5°  | 832.2  | 832.2  |
| 65°    | 748.5  | 751.5  |
| 67.5°  | 661.8  | 669.3  |
| 70°    | 573.7  | 575.2  |
| 72.5°  | 487.0  | 487.0  |
| 75°    | 397.4  | 398.9  |
| 77.5°  | 312.2  | 312.2  |
| 80°    | 231.6  | 233.1  |
| 82.5°  | 159.9  | 162.8  |
| 85°    | 100.1  | 100.1  |
| 87.5°  | 46.3   | 41.8   |
| 90°    | 17.6   | 17.6   |
| 92.5°  | 70.4   | 56.5   |
| 95°    | 245.7  | 203.3  |
| 97.5°  | 588.7  | 508.1  |
| 100°   | 848.2  | 752.1  |
| 102.5° | 1103.6 | 1021.2 |
| 105°   | 1429.0 | 1384.7 |
| 107.5° | 1642.2 | 1652.9 |
| 110°   | 1723.5 | 1769.6 |





TEST NUMBER: P937187

CATALOG NUMBER: SQ4-FB-075U-075D-B2750-1D-UNV-STD-W-6-2700K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 1730.7 | 1801.6 |
| 115°   | 1684.8 | 1783.0 |
| 117.5° | 1587.5 | 1696.4 |
| 120°   | 1509.1 | 1614.9 |
| 122.5° | 1432.7 | 1537.1 |
| 125°   | 1323.9 | 1420.0 |
| 127.5° | 1225.9 | 1307.0 |
| 130°   | 1168.1 | 1243.0 |
| 132.5° | 1115.7 | 1182.8 |
| 135°   | 1043.9 | 1101.8 |
| 137.5° | 986.3  | 1033.7 |
| 140°   | 946.9  | 991.1  |
| 142.5° | 914.1  | 952.2  |
| 145°   | 865.0  | 893.8  |
| 147.5° | 827.3  | 851.2  |
| 150°   | 803.7  | 823.0  |
| 152.5° | 783.4  | 798.0  |
| 155°   | 760.0  | 769.7  |
| 157.5° | 741.6  | 748.4  |
| 160°   | 730.6  | 734.6  |
| 162.5° | 723.4  | 727.1  |
| 165°   | 713.0  | 716.9  |
| 167.5° | 705.6  | 707.2  |
| 170°   | 703.5  | 703.5  |
| 172.5° | 698.0  | 696.5  |
| 175°   | 694.7  | 694.7  |
| 177.5° | 691.7  | 690.0  |
| 180°   | 690.0  | 690.0  |



TEST NUMBER: P937187

CATALOG NUMBER: SQ4-FB-075U-075D-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 | 4.15             | 5.00  | 5.15  | 6.01  | 7.36  | 17.32          | 18.16 | 18.31 | 19.18 | 20.52 |
|                 | 3H   | 4.86             | 5.62  | 5.86  | 6.64  | 8.00  | 19.15          | 19.91 | 20.16 | 20.93 | 22.30 |
|                 | 4H   | 5.15             | 5.88  | 6.17  | 6.90  | 8.27  | 19.79          | 20.51 | 20.81 | 21.54 | 22.91 |
|                 | 6H   | 5.40             | 6.07  | 6.43  | 7.10  | 8.48  | 20.22          | 20.88 | 21.25 | 21.91 | 23.30 |
|                 | 8H   | 5.47             | 6.11  | 6.51  | 7.15  | 8.53  | 20.33          | 20.97 | 21.37 | 22.01 | 23.39 |
|                 | 12H  | 5.49             | 6.09  | 6.53  | 7.13  | 8.54  | 20.40          | 21.00 | 21.44 | 22.04 | 23.45 |
| 4H              | 2H   | 11.36            | 12.08 | 12.38 | 13.10 | 14.47 | 17.59          | 18.31 | 18.61 | 19.34 | 20.71 |
|                 | 3H   | 12.92            | 13.53 | 13.96 | 14.58 | 15.97 | 19.63          | 20.23 | 20.66 | 21.29 | 22.67 |
|                 | 4H   | 13.02            | 13.57 | 14.06 | 14.62 | 16.02 | 20.39          | 20.95 | 21.43 | 21.99 | 23.40 |
|                 | 6H   | 13.03            | 13.51 | 14.08 | 14.57 | 15.98 | 20.93          | 21.40 | 21.98 | 22.47 | 23.87 |
|                 | 8H   | 13.01            | 13.45 | 14.06 | 14.51 | 15.93 | 21.09          | 21.53 | 22.14 | 22.59 | 24.01 |
|                 | 12H  | 12.96            | 13.37 | 14.03 | 14.44 | 15.86 | 21.18          | 21.58 | 22.25 | 22.65 | 24.08 |
| 8H              | 4H   | 14.46            | 14.91 | 15.51 | 15.96 | 17.38 | 20.45          | 20.90 | 21.50 | 21.96 | 23.38 |
|                 | 6H   | 14.70            | 15.07 | 15.78 | 16.17 | 17.59 | 21.08          | 21.45 | 22.15 | 22.55 | 23.96 |
|                 | 8H   | 14.72            | 15.04 | 15.80 | 16.13 | 17.56 | 21.29          | 21.62 | 22.38 | 22.70 | 24.14 |
|                 | 12H  | 14.69            | 14.97 | 15.77 | 16.05 | 17.53 | 21.43          | 21.72 | 22.52 | 22.80 | 24.28 |
| 12H             | 4H   | 14.60            | 15.00 | 15.67 | 16.08 | 17.50 | 20.40          | 20.81 | 21.47 | 21.88 | 23.31 |
|                 | 6H   | 14.96            | 15.28 | 16.04 | 16.37 | 17.80 | 21.06          | 21.38 | 22.14 | 22.47 | 23.90 |
|                 | 8H   | 15.03            | 15.31 | 16.11 | 16.39 | 17.87 | 21.29          | 21.57 | 22.37 | 22.65 | 24.13 |