

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: P937515

Luminaire Tested: SQ4-FB-100U-075D-835-1D-UNV-STD-W-6

Issue Date: 12/17/2024

**Test Information**

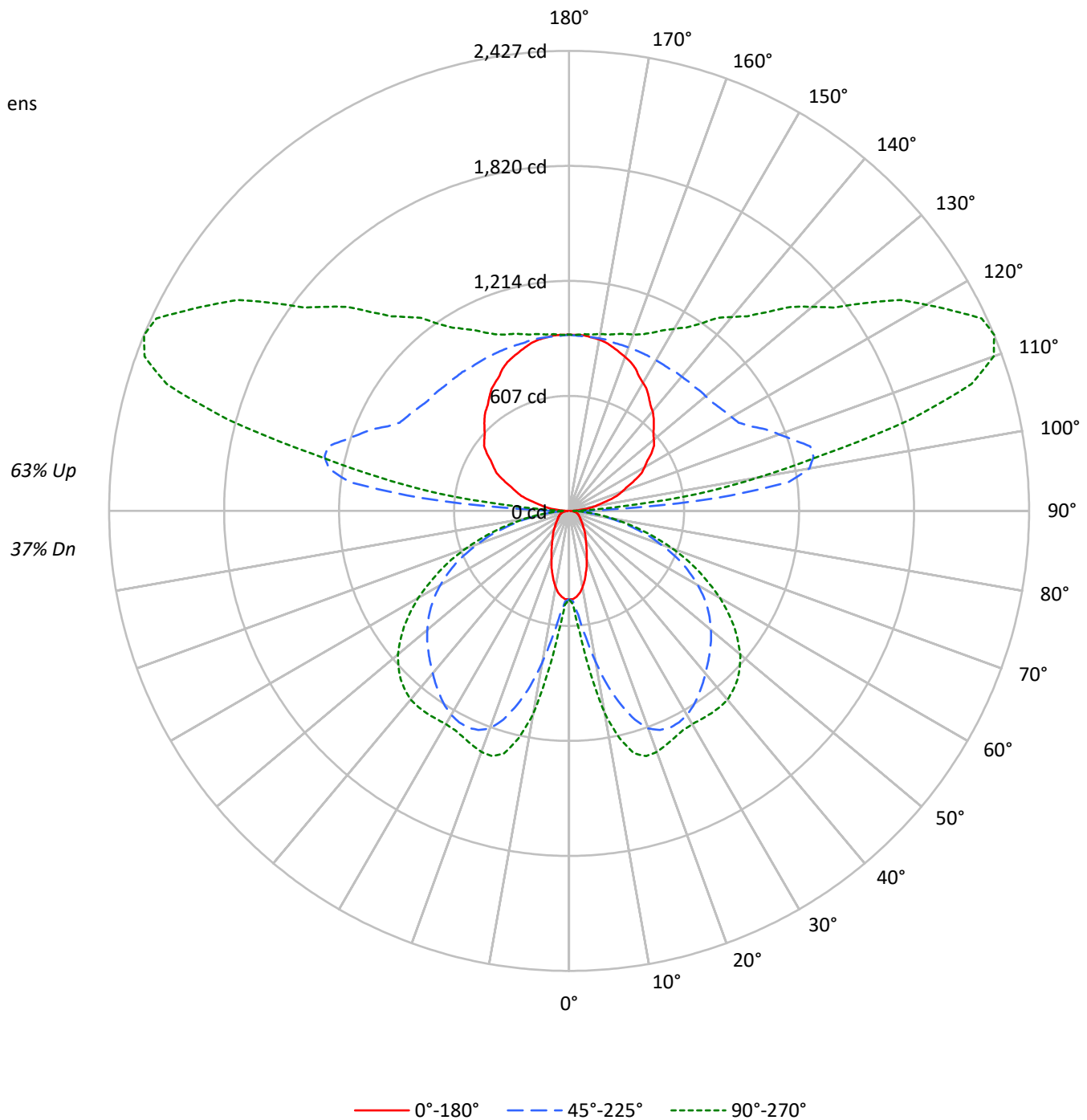
Test Method: LM-79-2019  
Report Number: P937515  
REPORT IS A COMBINATION OF REPORTS P933574 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-100U-075D-835-1D-UNV-STD-W-6  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9639.0 lumens  
Efficiency: N/A  
Efficacy: 130.6 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): 73.8  
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: P937515  
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### Luminous Intensity Polar Plot





TEST NUMBER: P937515

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 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   | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 94 | 76 | 76 | 76 | 60 | 60 | 60 | 45 | 45 | 45 | 37 |    |    |    | 37 |
| 1   | 95  | 90  | 86  | 83  | 86 | 82 | 78 | 75 | 66 | 64 | 62 | 52 | 50 | 49 | 39 | 38 | 37 | 31 |    |    |    | 31 |
| 2   | 86  | 78  | 72  | 67  | 77 | 71 | 66 | 61 | 58 | 54 | 50 | 45 | 42 | 40 | 34 | 32 | 30 | 25 |    |    |    | 25 |
| 3   | 78  | 68  | 61  | 55  | 70 | 62 | 56 | 50 | 50 | 46 | 42 | 39 | 36 | 33 | 29 | 27 | 25 | 21 |    |    |    | 21 |
| 4   | 71  | 60  | 52  | 46  | 64 | 55 | 48 | 42 | 44 | 39 | 35 | 35 | 31 | 28 | 26 | 23 | 21 | 17 |    |    |    | 17 |
| 5   | 65  | 53  | 45  | 39  | 58 | 48 | 41 | 36 | 39 | 34 | 30 | 31 | 27 | 24 | 23 | 20 | 18 | 15 |    |    |    | 15 |
| 6   | 60  | 47  | 39  | 33  | 54 | 43 | 36 | 31 | 35 | 30 | 26 | 28 | 24 | 21 | 21 | 18 | 16 | 13 |    |    |    | 13 |
| 7   | 55  | 42  | 34  | 29  | 49 | 39 | 32 | 27 | 32 | 26 | 22 | 25 | 21 | 18 | 19 | 16 | 14 | 11 |    |    |    | 11 |
| 8   | 51  | 38  | 31  | 25  | 46 | 35 | 28 | 23 | 29 | 23 | 20 | 23 | 19 | 16 | 17 | 14 | 12 | 10 |    |    |    | 10 |
| 9   | 47  | 35  | 27  | 22  | 42 | 32 | 25 | 21 | 26 | 21 | 17 | 21 | 17 | 14 | 16 | 13 | 11 | 9  |    |    |    | 9  |
| 10  | 44  | 32  | 24  | 20  | 40 | 29 | 23 | 18 | 24 | 19 | 15 | 19 | 15 | 12 | 14 | 12 | 10 | 8  |    |    |    | 8  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 2886 | 2886 | 2886 |
| 5°  | 2818 | 3335 | 3879 |
| 10° | 2555 | 4860 | 6431 |
| 15° | 2171 | 6347 | 7766 |
| 20° | 1767 | 7354 | 7914 |
| 25° | 1473 | 7694 | 7754 |
| 30° | 1242 | 7741 | 7739 |
| 35° | 1097 | 7610 | 7939 |
| 40° | 956  | 7441 | 8146 |
| 45° | 865  | 7316 | 8178 |
| 50° | 793  | 7203 | 8043 |
| 55° | 758  | 7040 | 7685 |
| 60° | 776  | 6728 | 7122 |
| 65° | 806  | 6254 | 6349 |
| 70° | 856  | 5451 | 5364 |
| 75° | 945  | 4440 | 4186 |
| 80° | 1025 | 3076 | 2820 |
| 85° | 894  | 1629 | 1444 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 8178 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 60.3   | 0.6       |
| 10°-20°   | 267.5  | 2.8       |
| 20°-30°   | 467.8  | 4.9       |
| 30°-40°   | 602.2  | 6.2       |
| 40°-50°   | 672.7  | 7.0       |
| 50°-60°   | 644.2  | 6.7       |
| 60°-70°   | 510.6  | 5.3       |
| 70°-80°   | 300.2  | 3.1       |
| 80°-90°   | 87.0   | 0.9       |
| 90°-100°  | 453.1  | 4.7       |
| 100°-110° | 1191.4 | 12.4      |
| 110°-120° | 1235.3 | 12.8      |
| 120°-130° | 990.9  | 10.3      |
| 130°-140° | 777.5  | 8.1       |
| 140°-150° | 596.7  | 6.2       |
| 150°-160° | 429.8  | 4.5       |
| 160°-170° | 263.0  | 2.7       |
| 170°-180° | 88.8   | 0.9       |
| 0°-30°    | 795.6  | 8.3       |
| 0°-40°    | 1397.9 | 14.5      |
| 0°-60°    | 2714.8 | 28.2      |
| 0°-90°    | 3612.5 | 37.5      |
| 90°-120°  | 2879.8 | 29.9      |
| 90°-150°  | 5244.9 | 54.4      |
| 90°-180°  | 6026.0 | 62.5      |
| 0°-180°   | 9639.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|-----|-------|------|-------|------|------|
| 0°   | 466 | 466   | 466  | 466   | 466  |      |
| 5°   | 454 | 488   | 549  | 621   | 644  | 42   |
| 15°  | 340 | 628   | 1059 | 1284  | 1325 | 95   |
| 25°  | 218 | 712   | 1262 | 1317  | 1319 | 100  |
| 35°  | 147 | 681   | 1188 | 1256  | 1305 | 92   |
| 45°  | 100 | 543   | 1050 | 1203  | 1257 | 78   |
| 55°  | 72  | 345   | 891  | 1035  | 1064 | 66   |
| 65°  | 57  | 183   | 662  | 744   | 754  | 56   |
| 75°  | 42  | 112   | 363  | 399   | 400  | 44   |
| 85°  | 15  | 34    | 90   | 99    | 100  | 16   |
| 90°  | 6   | 18    | 47   | 24    | 24   | 6    |
| 95°  | 60  | 235   | 780  | 402   | 274  | 67   |
| 105° | 215 | 325   | 1317 | 2000  | 1866 | 228  |
| 115° | 381 | 463   | 1055 | 2104  | 2402 | 377  |
| 125° | 530 | 595   | 960  | 1622  | 1913 | 471  |
| 135° | 632 | 696   | 930  | 1309  | 1484 | 489  |
| 145° | 733 | 780   | 918  | 1117  | 1204 | 459  |
| 155° | 829 | 852   | 918  | 1008  | 1037 | 381  |
| 165° | 894 | 906   | 918  | 954   | 966  | 252  |
| 175° | 930 | 930   | 924  | 936   | 936  | 88   |
| 180° | 930 | 930   | 930  | 930   | 930  |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 466.5 | 466.5 | 466.5 | 466.5 | 466.5  | 466.5  | 466.5  | 466.5  | 466.5  | 466.5  | 466.5  |
| 2.5°   | 466.5 | 466.5 | 469.5 | 471.0 | 474.0  | 475.5  | 478.5  | 481.5  | 490.5  | 492.0  | 495.0  |
| 5°     | 454.5 | 460.5 | 480.0 | 487.5 | 508.5  | 537.0  | 549.0  | 568.5  | 609.0  | 621.0  | 628.5  |
| 7.5°   | 436.5 | 450.0 | 498.0 | 510.0 | 562.5  | 637.5  | 669.0  | 711.0  | 775.5  | 807.0  | 832.5  |
| 10°    | 408.0 | 436.5 | 522.0 | 550.5 | 636.0  | 750.0  | 808.5  | 867.0  | 964.5  | 1008.0 | 1024.5 |
| 12.5°  | 376.5 | 423.0 | 547.5 | 586.5 | 709.5  | 876.0  | 946.5  | 1011.0 | 1122.0 | 1180.6 | 1189.6 |
| 15°    | 340.5 | 403.5 | 571.5 | 628.5 | 787.5  | 981.0  | 1059.0 | 1138.6 | 1242.1 | 1284.1 | 1294.6 |
| 17.5°  | 309.0 | 388.5 | 594.0 | 654.0 | 847.5  | 1075.5 | 1155.1 | 1221.1 | 1305.1 | 1333.6 | 1341.1 |
| 20°    | 270.0 | 364.5 | 609.0 | 687.0 | 910.5  | 1144.6 | 1221.1 | 1272.1 | 1329.1 | 1347.1 | 1350.1 |
| 22.5°  | 241.5 | 339.0 | 618.0 | 699.0 | 952.5  | 1186.6 | 1251.1 | 1291.6 | 1330.6 | 1336.6 | 1338.1 |
| 25°    | 217.5 | 310.5 | 616.5 | 712.5 | 988.5  | 1212.1 | 1261.6 | 1291.6 | 1314.1 | 1317.1 | 1317.1 |
| 27.5°  | 195.0 | 279.0 | 610.5 | 715.5 | 1015.5 | 1218.1 | 1257.1 | 1278.1 | 1288.6 | 1294.6 | 1294.6 |
| 30°    | 175.5 | 249.0 | 595.5 | 709.5 | 1027.5 | 1212.1 | 1243.6 | 1254.1 | 1264.6 | 1273.6 | 1278.1 |
| 32.5°  | 160.5 | 220.5 | 573.0 | 697.5 | 1029.0 | 1197.1 | 1219.6 | 1225.6 | 1240.6 | 1261.6 | 1269.1 |
| 35°    | 147.0 | 192.0 | 547.5 | 681.0 | 1020.0 | 1173.1 | 1188.1 | 1194.1 | 1224.1 | 1255.6 | 1266.1 |
| 37.5°  | 133.5 | 171.0 | 514.5 | 652.5 | 1006.5 | 1144.6 | 1155.1 | 1165.6 | 1212.1 | 1249.6 | 1261.6 |
| 40°    | 120.0 | 153.0 | 475.5 | 621.0 | 985.5  | 1110.0 | 1119.0 | 1135.5 | 1197.1 | 1240.6 | 1252.6 |
| 42.5°  | 109.5 | 138.0 | 433.5 | 588.0 | 958.5  | 1071.0 | 1084.5 | 1108.5 | 1179.1 | 1225.6 | 1239.1 |
| 45°    | 100.5 | 123.0 | 388.5 | 543.0 | 924.0  | 1030.5 | 1050.0 | 1083.0 | 1158.1 | 1203.1 | 1215.1 |
| 47.5°  | 91.5  | 112.5 | 342.0 | 496.5 | 886.5  | 990.0  | 1015.5 | 1053.0 | 1129.5 | 1173.1 | 1183.6 |
| 50°    | 84.0  | 102.0 | 295.5 | 447.0 | 846.0  | 946.5  | 976.5  | 1015.5 | 1093.5 | 1134.0 | 1147.6 |
| 52.5°  | 78.0  | 93.0  | 252.0 | 397.5 | 799.5  | 901.5  | 936.0  | 976.5  | 1050.0 | 1089.0 | 1098.0 |
| 55°    | 72.0  | 85.5  | 214.5 | 345.0 | 751.5  | 853.5  | 891.0  | 930.0  | 1002.0 | 1035.0 | 1041.0 |
| 57.5°  | 69.0  | 79.5  | 183.0 | 295.5 | 700.5  | 799.5  | 841.5  | 877.5  | 945.0  | 970.5  | 976.5  |
| 60°    | 64.5  | 75.0  | 159.0 | 253.5 | 645.0  | 748.5  | 784.5  | 820.5  | 877.5  | 898.5  | 903.0  |
| 62.5°  | 60.0  | 72.0  | 141.0 | 213.0 | 588.0  | 688.5  | 724.5  | 757.5  | 805.5  | 820.5  | 826.5  |
| 65°    | 57.0  | 69.0  | 127.5 | 183.0 | 529.5  | 625.5  | 661.5  | 690.0  | 729.0  | 744.0  | 747.0  |
| 67.5°  | 54.0  | 66.0  | 117.0 | 157.5 | 471.0  | 562.5  | 589.5  | 616.5  | 646.5  | 661.5  | 663.0  |
| 70°    | 49.5  | 63.0  | 108.0 | 139.5 | 411.0  | 490.5  | 513.0  | 541.5  | 565.5  | 573.0  | 577.5  |
| 72.5°  | 46.5  | 58.5  | 102.0 | 126.0 | 349.5  | 421.5  | 442.5  | 459.0  | 480.0  | 487.5  | 487.5  |
| 75°    | 42.0  | 52.5  | 96.0  | 112.5 | 286.5  | 345.0  | 363.0  | 379.5  | 396.0  | 399.0  | 394.5  |
| 77.5°  | 37.5  | 46.5  | 82.5  | 94.5  | 223.5  | 273.0  | 288.0  | 297.0  | 310.5  | 313.5  | 315.0  |
| 80°    | 31.5  | 40.5  | 64.5  | 73.5  | 162.0  | 201.0  | 211.5  | 219.0  | 231.0  | 231.0  | 234.0  |
| 82.5°  | 24.0  | 31.5  | 46.5  | 52.5  | 109.5  | 138.0  | 147.0  | 151.5  | 159.0  | 159.0  | 159.0  |
| 85°    | 15.0  | 19.5  | 30.0  | 34.5  | 66.0   | 84.0   | 90.0   | 91.5   | 97.5   | 99.0   | 99.0   |
| 87.5°  | 7.5   | 10.5  | 19.5  | 21.0  | 34.5   | 43.5   | 43.5   | 46.5   | 46.5   | 45.0   | 43.5   |
| 90°    | 6.2   | 11.2  | 16.2  | 17.5  | 27.5   | 40.8   | 47.4   | 42.1   | 31.6   | 23.7   | 23.7   |
| 92.5°  | 25.0  | 67.4  | 109.8 | 120.4 | 169.3  | 234.4  | 267.0  | 234.0  | 168.0  | 118.5  | 113.8  |
| 95°    | 59.9  | 137.5 | 215.2 | 234.6 | 416.6  | 659.2  | 780.5  | 696.5  | 528.4  | 402.4  | 388.1  |
| 97.5°  | 103.6 | 172.1 | 240.6 | 257.7 | 561.1  | 965.7  | 1168.0 | 1114.9 | 1008.7 | 929.0  | 901.8  |
| 100°   | 137.3 | 199.4 | 261.5 | 277.0 | 613.7  | 1062.6 | 1287.1 | 1291.0 | 1298.8 | 1304.6 | 1272.2 |
| 102.5° | 166.0 | 224.0 | 281.9 | 296.4 | 637.9  | 1093.2 | 1320.8 | 1388.5 | 1523.8 | 1625.3 | 1597.6 |
| 105°   | 214.6 | 263.7 | 312.8 | 325.1 | 655.8  | 1096.7 | 1317.1 | 1468.8 | 1772.1 | 1999.6 | 1984.7 |
| 107.5° | 264.5 | 310.3 | 356.1 | 367.5 | 659.1  | 1047.8 | 1242.2 | 1453.8 | 1876.9 | 2194.3 | 2197.9 |
| 110°   | 298.2 | 339.5 | 380.9 | 391.2 | 654.1  | 1004.6 | 1179.8 | 1416.3 | 1889.4 | 2244.2 | 2259.7 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 112.5° | 331.3 | 370.7 | 410.1 | 419.9 | 654.3 | 966.8 | 1123.0 | 1365.1 | 1849.3 | 2212.4 | 2236.2 |
| 115°   | 381.2 | 417.5 | 453.8 | 462.9 | 660.3 | 923.4 | 1055.0 | 1288.2 | 1754.7 | 2104.5 | 2137.6 |
| 117.5° | 430.5 | 463.5 | 496.5 | 504.7 | 672.5 | 896.3 | 1008.2 | 1218.7 | 1639.6 | 1955.3 | 1992.0 |
| 120°   | 459.2 | 490.3 | 521.3 | 529.1 | 682.6 | 887.2 | 989.5  | 1181.8 | 1566.4 | 1854.9 | 1890.5 |
| 122.5° | 487.3 | 518.6 | 550.0 | 557.8 | 696.9 | 882.4 | 975.2  | 1148.4 | 1494.7 | 1754.4 | 1789.6 |
| 125°   | 530.3 | 558.9 | 587.5 | 594.6 | 716.3 | 878.5 | 959.6  | 1106.7 | 1400.9 | 1621.6 | 1654.0 |
| 127.5° | 565.3 | 594.1 | 623.0 | 630.2 | 735.6 | 876.2 | 946.5  | 1072.8 | 1325.4 | 1514.9 | 1542.2 |
| 130°   | 584.0 | 615.1 | 646.1 | 653.9 | 749.8 | 877.6 | 941.5  | 1053.9 | 1278.8 | 1447.5 | 1472.7 |
| 132.5° | 603.3 | 634.4 | 665.4 | 673.2 | 761.2 | 878.5 | 937.1  | 1037.8 | 1239.1 | 1390.1 | 1412.7 |
| 135°   | 632.0 | 660.3 | 688.6 | 695.7 | 773.7 | 877.6 | 929.6  | 1013.9 | 1182.5 | 1309.0 | 1328.5 |
| 137.5° | 661.3 | 689.3 | 717.4 | 724.4 | 792.4 | 883.1 | 928.4  | 999.7  | 1142.2 | 1249.1 | 1265.0 |
| 140°   | 685.7 | 711.5 | 737.3 | 743.7 | 803.8 | 883.9 | 924.0  | 985.6  | 1108.7 | 1201.0 | 1215.9 |
| 142.5° | 704.4 | 728.3 | 752.1 | 758.1 | 813.4 | 887.1 | 924.0  | 978.1  | 1086.2 | 1167.3 | 1180.1 |
| 145°   | 733.1 | 753.9 | 774.7 | 779.9 | 825.9 | 887.2 | 917.8  | 962.0  | 1050.5 | 1116.8 | 1126.5 |
| 147.5° | 761.8 | 782.0 | 802.2 | 807.3 | 844.1 | 893.2 | 917.8  | 952.6  | 1022.2 | 1074.4 | 1082.4 |
| 150°   | 780.5 | 798.8 | 817.1 | 821.7 | 853.7 | 896.4 | 917.8  | 947.2  | 1005.9 | 1050.0 | 1056.5 |
| 152.5° | 799.9 | 813.8 | 827.6 | 831.1 | 860.0 | 898.5 | 917.8  | 942.9  | 993.1  | 1030.7 | 1035.6 |
| 155°   | 828.6 | 838.8 | 849.0 | 851.6 | 873.7 | 903.1 | 917.8  | 937.8  | 977.7  | 1007.6 | 1010.9 |
| 157.5° | 849.8 | 859.8 | 869.7 | 872.2 | 887.4 | 907.7 | 917.8  | 933.3  | 964.4  | 987.7  | 990.0  |
| 160°   | 864.1 | 871.9 | 879.7 | 881.6 | 893.7 | 909.8 | 917.8  | 931.1  | 957.7  | 977.7  | 979.0  |
| 162.5° | 878.5 | 884.3 | 890.1 | 891.6 | 900.3 | 912.0 | 917.8  | 929.0  | 951.5  | 968.3  | 969.5  |
| 165°   | 894.1 | 899.3 | 904.6 | 905.9 | 909.9 | 915.2 | 917.8  | 925.8  | 941.9  | 954.0  | 955.3  |
| 167.5° | 908.4 | 910.9 | 913.4 | 914.0 | 917.3 | 921.8 | 924.0  | 929.3  | 939.8  | 947.7  | 948.3  |
| 170°   | 917.8 | 920.3 | 922.8 | 923.4 | 923.6 | 923.9 | 924.0  | 929.3  | 939.8  | 947.7  | 947.7  |
| 172.5° | 922.8 | 923.3 | 923.9 | 924.0 | 924.0 | 924.0 | 924.0  | 928.2  | 936.5  | 942.7  | 942.2  |
| 175°   | 929.6 | 929.6 | 929.6 | 929.6 | 927.7 | 925.2 | 924.0  | 926.6  | 931.9  | 935.9  | 935.9  |
| 177.5° | 929.6 | 929.6 | 929.6 | 929.6 | 928.2 | 926.3 | 925.3  | 927.4  | 931.5  | 934.6  | 934.0  |
| 180°   | 929.6 | 929.6 | 929.6 | 929.6 | 929.6 | 929.6 | 929.6  | 929.6  | 929.6  | 929.6  | 929.6  |



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CATALOG NUMBER: SQ4-FB-100U-075D-835-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 466.5  | 466.5  |
| 2.5°   | 498.0  | 495.0  |
| 5°     | 640.5  | 643.5  |
| 7.5°   | 862.5  | 861.0  |
| 10°    | 1072.5 | 1086.0 |
| 12.5°  | 1225.6 | 1228.6 |
| 15°    | 1318.6 | 1324.6 |
| 17.5°  | 1354.6 | 1356.1 |
| 20°    | 1356.1 | 1353.1 |
| 22.5°  | 1339.6 | 1336.6 |
| 25°    | 1320.1 | 1318.6 |
| 27.5°  | 1302.1 | 1303.6 |
| 30°    | 1294.6 | 1299.1 |
| 32.5°  | 1294.6 | 1302.1 |
| 35°    | 1297.6 | 1305.1 |
| 37.5°  | 1296.1 | 1305.1 |
| 40°    | 1290.1 | 1300.6 |
| 42.5°  | 1273.6 | 1281.1 |
| 45°    | 1248.1 | 1257.1 |
| 47.5°  | 1215.1 | 1221.1 |
| 50°    | 1173.1 | 1179.1 |
| 52.5°  | 1120.5 | 1122.0 |
| 55°    | 1057.5 | 1063.5 |
| 57.5°  | 990.0  | 991.5  |
| 60°    | 915.0  | 919.5  |
| 62.5°  | 835.5  | 835.5  |
| 65°    | 751.5  | 754.5  |
| 67.5°  | 664.5  | 672.0  |
| 70°    | 576.0  | 577.5  |
| 72.5°  | 489.0  | 489.0  |
| 75°    | 399.0  | 400.5  |
| 77.5°  | 313.5  | 313.5  |
| 80°    | 232.5  | 234.0  |
| 82.5°  | 160.5  | 163.5  |
| 85°    | 100.5  | 100.5  |
| 87.5°  | 46.5   | 42.0   |
| 90°    | 23.7   | 23.7   |
| 92.5°  | 94.9   | 76.1   |
| 95°    | 331.0  | 273.9  |
| 97.5°  | 793.1  | 684.4  |
| 100°   | 1142.7 | 1013.2 |
| 102.5° | 1486.6 | 1375.7 |
| 105°   | 1925.1 | 1865.5 |
| 107.5° | 2212.4 | 2226.8 |
| 110°   | 2321.9 | 2384.0 |





TEST NUMBER: P937515

CATALOG NUMBER: SQ4-FB-100U-075D-835-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 2331.6 | 2427.0 |
| 115°   | 2269.8 | 2402.1 |
| 117.5° | 2138.7 | 2285.4 |
| 120°   | 2033.1 | 2175.6 |
| 122.5° | 1930.2 | 2070.8 |
| 125°   | 1783.4 | 1912.9 |
| 127.5° | 1651.5 | 1760.7 |
| 130°   | 1573.7 | 1674.6 |
| 132.5° | 1503.1 | 1593.5 |
| 135°   | 1406.4 | 1484.3 |
| 137.5° | 1328.8 | 1392.6 |
| 140°   | 1275.6 | 1335.2 |
| 142.5° | 1231.5 | 1282.8 |
| 145°   | 1165.4 | 1204.2 |
| 147.5° | 1114.6 | 1146.8 |
| 150°   | 1082.6 | 1108.7 |
| 152.5° | 1055.3 | 1075.0 |
| 155°   | 1023.9 | 1036.9 |
| 157.5° | 999.1  | 1008.2 |
| 160°   | 984.3  | 989.5  |
| 162.5° | 974.5  | 979.5  |
| 165°   | 960.6  | 965.8  |
| 167.5° | 950.5  | 952.7  |
| 170°   | 947.7  | 947.7  |
| 172.5° | 940.3  | 938.4  |
| 175°   | 935.9  | 935.9  |
| 177.5° | 931.8  | 929.6  |
| 180°   | 929.6  | 929.6  |



TEST NUMBER: P937515  
 CATALOG NUMBER: SQ4-FB-100U-075D-835-1D-UNV-STD-W-6

**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 | 3.42             | 4.20  | 4.47  | 5.26  | 6.70  | 16.58          | 17.37 | 17.63 | 18.43 | 19.86 |
|                 | 3H   | 4.12             | 4.82  | 5.18  | 5.89  | 7.34  | 18.41          | 19.11 | 19.47 | 20.18 | 21.64 |
|                 | 4H   | 4.41             | 5.08  | 5.48  | 6.15  | 7.61  | 19.05          | 19.72 | 20.12 | 20.79 | 22.25 |
|                 | 6H   | 4.66             | 5.27  | 5.74  | 6.35  | 7.82  | 19.47          | 20.09 | 20.55 | 21.16 | 22.63 |
|                 | 8H   | 4.72             | 5.31  | 5.81  | 6.40  | 7.87  | 19.59          | 20.17 | 20.67 | 21.26 | 22.73 |
|                 | 12H  | 4.74             | 5.30  | 5.83  | 6.38  | 7.87  | 19.65          | 20.21 | 20.74 | 21.29 | 22.78 |
| 4H              | 2H   | 10.61            | 11.28 | 11.69 | 12.35 | 13.81 | 16.85          | 17.52 | 17.92 | 18.59 | 20.05 |
|                 | 3H   | 12.17            | 12.73 | 13.26 | 13.83 | 15.31 | 18.88          | 19.44 | 19.97 | 20.54 | 22.01 |
|                 | 4H   | 12.27            | 12.78 | 13.36 | 13.87 | 15.36 | 19.64          | 20.15 | 20.73 | 21.24 | 22.74 |
|                 | 6H   | 12.27            | 12.71 | 13.37 | 13.83 | 15.31 | 20.17          | 20.61 | 21.27 | 21.72 | 23.21 |
|                 | 8H   | 12.25            | 12.66 | 13.35 | 13.76 | 15.27 | 20.33          | 20.74 | 21.43 | 21.84 | 23.35 |
|                 | 12H  | 12.20            | 12.57 | 13.32 | 13.69 | 15.20 | 20.41          | 20.79 | 21.53 | 21.90 | 23.42 |
| 8H              | 4H   | 13.70            | 14.11 | 14.80 | 15.22 | 16.72 | 19.69          | 20.11 | 20.79 | 21.21 | 22.72 |
|                 | 6H   | 13.94            | 14.28 | 15.06 | 15.43 | 16.93 | 20.31          | 20.66 | 21.44 | 21.80 | 23.30 |
|                 | 8H   | 13.96            | 14.26 | 15.09 | 15.38 | 16.90 | 20.53          | 20.83 | 21.66 | 21.96 | 23.48 |
|                 | 12H  | 13.92            | 14.18 | 15.05 | 15.31 | 16.87 | 20.67          | 20.93 | 21.80 | 22.06 | 23.61 |
| 12H             | 4H   | 13.84            | 14.21 | 14.96 | 15.33 | 16.84 | 19.64          | 20.02 | 20.76 | 21.13 | 22.64 |
|                 | 6H   | 14.20            | 14.50 | 15.32 | 15.62 | 17.14 | 20.30          | 20.60 | 21.43 | 21.72 | 23.25 |
|                 | 8H   | 14.26            | 14.52 | 15.39 | 15.65 | 17.21 | 20.52          | 20.78 | 21.65 | 21.91 | 23.47 |