

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: P937551

Luminaire Tested: SQ4-FB-100U-075D-930-1D-UNV-STD-W-6

Issue Date: 12/17/2024

**Test Information**

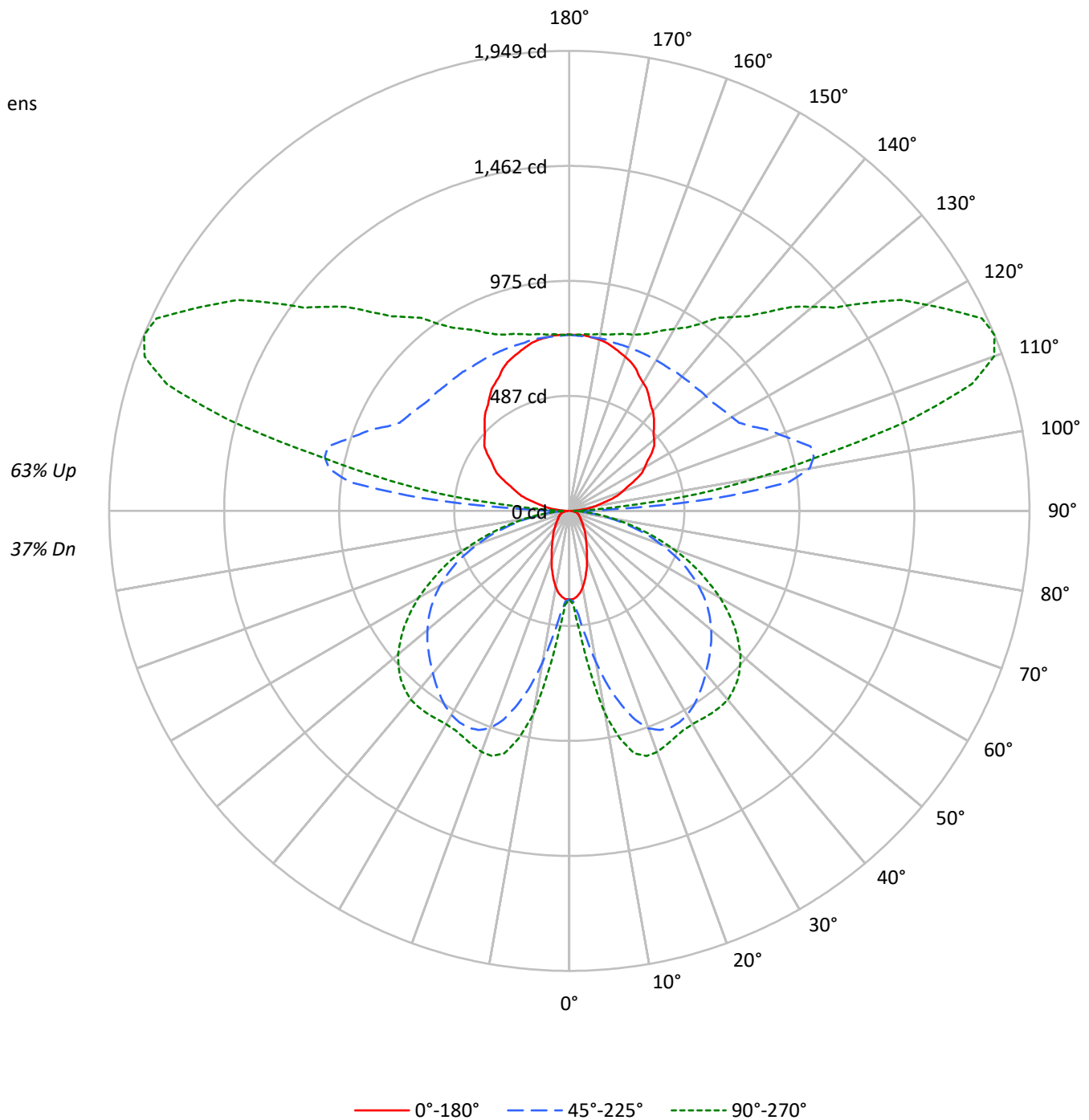
Test Method: LM-79-2019  
Report Number: P937551  
REPORT IS A COMBINATION OF REPORTS P933574 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-100U-075D-930-1D-UNV-STD-W-6  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7740.1 lumens  
Efficiency: N/A  
Efficacy: 104.9 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: Semi-Indirect  
  
Input Watts (W): 73.8  
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: P937551  
CATALOG NUMBER: SQ4-FB-100U-075D-930-1D-UNV-STD-W-6

### Luminous Intensity Polar Plot





TEST NUMBER: P937551

CATALOG NUMBER: SQ4-FB-100U-075D-930-1D-UNV-STD-W-6

**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°  | 2317 | 2317 | 2317 |
| 5°  | 2263 | 2677 | 3115 |
| 10° | 2052 | 3902 | 5164 |
| 15° | 1743 | 5097 | 6236 |
| 20° | 1419 | 5905 | 6355 |
| 25° | 1183 | 6179 | 6226 |
| 30° | 997  | 6216 | 6215 |
| 35° | 881  | 6111 | 6375 |
| 40° | 768  | 5975 | 6541 |
| 45° | 694  | 5875 | 6567 |
| 50° | 637  | 5784 | 6458 |
| 55° | 609  | 5653 | 6171 |
| 60° | 623  | 5403 | 5720 |
| 65° | 647  | 5022 | 5099 |
| 70° | 687  | 4376 | 4307 |
| 75° | 758  | 3566 | 3361 |
| 80° | 823  | 2469 | 2265 |
| 85° | 715  | 1309 | 1159 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 6567 cd/sqm



TEST NUMBER: P937551

CATALOG NUMBER: SQ4-FB-100U-075D-930-1D-UNV-STD-W-6

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 48.5   | 0.6       |
| 10°-20°   | 214.8  | 2.8       |
| 20°-30°   | 375.7  | 4.9       |
| 30°-40°   | 483.6  | 6.2       |
| 40°-50°   | 540.1  | 7.0       |
| 50°-60°   | 517.3  | 6.7       |
| 60°-70°   | 410.0  | 5.3       |
| 70°-80°   | 241.1  | 3.1       |
| 80°-90°   | 69.8   | 0.9       |
| 90°-100°  | 363.9  | 4.7       |
| 100°-110° | 956.7  | 12.4      |
| 110°-120° | 991.9  | 12.8      |
| 120°-130° | 795.7  | 10.3      |
| 130°-140° | 624.3  | 8.1       |
| 140°-150° | 479.2  | 6.2       |
| 150°-160° | 345.1  | 4.5       |
| 160°-170° | 211.1  | 2.7       |
| 170°-180° | 71.3   | 0.9       |
| 0°-30°    | 638.9  | 8.3       |
| 0°-40°    | 1122.5 | 14.5      |
| 0°-60°    | 2180.0 | 28.2      |
| 0°-90°    | 2900.8 | 37.5      |
| 90°-120°  | 2312.5 | 29.9      |
| 90°-150°  | 4211.7 | 54.4      |
| 90°-180°  | 4839.0 | 62.5      |
| 0°-180°   | 7740.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|-----|-------|------|-------|------|------|
| 0°   | 375 | 375   | 375  | 375   | 375  |      |
| 5°   | 365 | 392   | 441  | 499   | 517  | 34   |
| 15°  | 273 | 505   | 850  | 1031  | 1064 | 76   |
| 25°  | 175 | 572   | 1013 | 1058  | 1059 | 80   |
| 35°  | 118 | 547   | 954  | 1008  | 1048 | 74   |
| 45°  | 81  | 436   | 843  | 966   | 1010 | 62   |
| 55°  | 58  | 277   | 716  | 831   | 854  | 53   |
| 65°  | 46  | 147   | 531  | 597   | 606  | 45   |
| 75°  | 34  | 90    | 292  | 320   | 322  | 35   |
| 85°  | 12  | 28    | 72   | 80    | 81   | 13   |
| 90°  | 5   | 14    | 38   | 19    | 19   | 5    |
| 95°  | 48  | 188   | 627  | 323   | 220  | 53   |
| 105° | 172 | 261   | 1058 | 1606  | 1498 | 183  |
| 115° | 306 | 372   | 847  | 1690  | 1929 | 302  |
| 125° | 426 | 478   | 771  | 1302  | 1536 | 378  |
| 135° | 508 | 559   | 746  | 1051  | 1192 | 393  |
| 145° | 589 | 626   | 737  | 897   | 967  | 369  |
| 155° | 665 | 684   | 737  | 809   | 833  | 306  |
| 165° | 718 | 727   | 737  | 766   | 776  | 203  |
| 175° | 746 | 746   | 742  | 752   | 752  | 71   |
| 180° | 746 | 746   | 746  | 746   | 746  |      |



TEST NUMBER: P937551

CATALOG NUMBER: SQ4-FB-100U-075D-930-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 0°     | 374.6 | 374.6 | 374.6 | 374.6 | 374.6 | 374.6 | 374.6  | 374.6  | 374.6  | 374.6  | 374.6  |
| 2.5°   | 374.6 | 374.6 | 377.0 | 378.2 | 380.6 | 381.8 | 384.2  | 386.6  | 393.9  | 395.1  | 397.5  |
| 5°     | 365.0 | 369.8 | 385.4 | 391.5 | 408.3 | 431.2 | 440.8  | 456.5  | 489.0  | 498.7  | 504.7  |
| 7.5°   | 350.5 | 361.4 | 399.9 | 409.5 | 451.7 | 511.9 | 537.2  | 570.9  | 622.7  | 648.0  | 668.5  |
| 10°    | 327.6 | 350.5 | 419.2 | 442.1 | 510.7 | 602.2 | 649.2  | 696.2  | 774.5  | 809.4  | 822.7  |
| 12.5°  | 302.3 | 339.7 | 439.6 | 471.0 | 569.7 | 703.4 | 760.0  | 811.8  | 901.0  | 948.0  | 955.2  |
| 15°    | 273.4 | 324.0 | 458.9 | 504.7 | 632.4 | 787.7 | 850.4  | 914.3  | 997.4  | 1031.1 | 1039.6 |
| 17.5°  | 248.1 | 312.0 | 477.0 | 525.2 | 680.5 | 863.6 | 927.5  | 980.5  | 1048.0 | 1070.9 | 1076.9 |
| 20°    | 216.8 | 292.7 | 489.0 | 551.7 | 731.1 | 919.1 | 980.5  | 1021.5 | 1067.3 | 1081.7 | 1084.1 |
| 22.5°  | 193.9 | 272.2 | 496.3 | 561.3 | 764.9 | 952.8 | 1004.6 | 1037.2 | 1068.5 | 1073.3 | 1074.5 |
| 25°    | 174.7 | 249.3 | 495.0 | 572.1 | 793.8 | 973.3 | 1013.1 | 1037.2 | 1055.2 | 1057.6 | 1057.6 |
| 27.5°  | 156.6 | 224.0 | 490.2 | 574.5 | 815.4 | 978.1 | 1009.5 | 1026.3 | 1034.7 | 1039.6 | 1039.6 |
| 30°    | 140.9 | 199.9 | 478.2 | 569.7 | 825.1 | 973.3 | 998.6  | 1007.0 | 1015.5 | 1022.7 | 1026.3 |
| 32.5°  | 128.9 | 177.1 | 460.1 | 560.1 | 826.3 | 961.3 | 979.3  | 984.2  | 996.2  | 1013.1 | 1019.1 |
| 35°    | 118.0 | 154.2 | 439.6 | 546.8 | 819.1 | 942.0 | 954.0  | 958.9  | 983.0  | 1008.2 | 1016.7 |
| 37.5°  | 107.2 | 137.3 | 413.1 | 524.0 | 808.2 | 919.1 | 927.5  | 936.0  | 973.3  | 1003.4 | 1013.1 |
| 40°    | 96.4  | 122.9 | 381.8 | 498.7 | 791.4 | 891.3 | 898.6  | 911.8  | 961.3  | 996.2  | 1005.8 |
| 42.5°  | 87.9  | 110.8 | 348.1 | 472.2 | 769.7 | 860.0 | 870.9  | 890.1  | 946.8  | 984.2  | 995.0  |
| 45°    | 80.7  | 98.8  | 312.0 | 436.0 | 742.0 | 827.5 | 843.2  | 869.6  | 930.0  | 966.1  | 975.7  |
| 47.5°  | 73.5  | 90.3  | 274.6 | 398.7 | 711.9 | 795.0 | 815.4  | 845.6  | 907.0  | 942.0  | 950.4  |
| 50°    | 67.5  | 81.9  | 237.3 | 358.9 | 679.3 | 760.0 | 784.1  | 815.4  | 878.1  | 910.6  | 921.5  |
| 52.5°  | 62.6  | 74.7  | 202.4 | 319.2 | 642.0 | 723.9 | 751.6  | 784.1  | 843.2  | 874.5  | 881.7  |
| 55°    | 57.8  | 68.7  | 172.2 | 277.0 | 603.5 | 685.4 | 715.5  | 746.8  | 804.6  | 831.1  | 835.9  |
| 57.5°  | 55.4  | 63.8  | 146.9 | 237.3 | 562.5 | 642.0 | 675.7  | 704.6  | 758.8  | 779.3  | 784.1  |
| 60°    | 51.8  | 60.2  | 127.7 | 203.6 | 517.9 | 601.0 | 630.0  | 658.9  | 704.6  | 721.5  | 725.1  |
| 62.5°  | 48.2  | 57.8  | 113.2 | 171.0 | 472.2 | 552.9 | 581.8  | 608.3  | 646.8  | 658.9  | 663.7  |
| 65°    | 45.8  | 55.4  | 102.4 | 146.9 | 425.2 | 502.3 | 531.2  | 554.1  | 585.4  | 597.4  | 599.8  |
| 67.5°  | 43.4  | 53.0  | 94.0  | 126.5 | 378.2 | 451.7 | 473.4  | 495.0  | 519.1  | 531.2  | 532.4  |
| 70°    | 39.7  | 50.6  | 86.7  | 112.0 | 330.0 | 393.9 | 411.9  | 434.8  | 454.1  | 460.1  | 463.7  |
| 72.5°  | 37.3  | 47.0  | 81.9  | 101.2 | 280.6 | 338.5 | 355.3  | 368.6  | 385.4  | 391.5  | 391.5  |
| 75°    | 33.7  | 42.2  | 77.1  | 90.3  | 230.1 | 277.0 | 291.5  | 304.7  | 318.0  | 320.4  | 316.8  |
| 77.5°  | 30.1  | 37.3  | 66.2  | 75.9  | 179.5 | 219.2 | 231.3  | 238.5  | 249.3  | 251.7  | 252.9  |
| 80°    | 25.3  | 32.5  | 51.8  | 59.0  | 130.1 | 161.4 | 169.8  | 175.9  | 185.5  | 185.5  | 187.9  |
| 82.5°  | 19.3  | 25.3  | 37.3  | 42.2  | 87.9  | 110.8 | 118.0  | 121.7  | 127.7  | 127.7  | 127.7  |
| 85°    | 12.0  | 15.7  | 24.1  | 27.7  | 53.0  | 67.5  | 72.3   | 73.5   | 78.3   | 79.5   | 79.5   |
| 87.5°  | 6.0   | 8.4   | 15.7  | 16.9  | 27.7  | 34.9  | 34.9   | 37.3   | 37.3   | 36.1   | 34.9   |
| 90°    | 5.0   | 9.0   | 13.0  | 14.1  | 22.1  | 32.8  | 38.1   | 33.8   | 25.4   | 19.0   | 19.0   |
| 92.5°  | 20.1  | 54.1  | 88.2  | 96.7  | 135.9 | 188.2 | 214.4  | 187.9  | 134.9  | 95.2   | 91.4   |
| 95°    | 48.1  | 110.4 | 172.8 | 188.4 | 334.5 | 529.3 | 626.7  | 559.3  | 424.3  | 323.1  | 311.6  |
| 97.5°  | 83.2  | 138.2 | 193.2 | 206.9 | 450.6 | 775.5 | 937.9  | 895.3  | 810.0  | 746.0  | 724.1  |
| 100°   | 110.3 | 160.1 | 210.0 | 222.4 | 492.8 | 853.3 | 1033.5 | 1036.7 | 1042.9 | 1047.6 | 1021.6 |
| 102.5° | 133.3 | 179.9 | 226.4 | 238.0 | 512.2 | 877.8 | 1060.6 | 1115.0 | 1223.6 | 1305.1 | 1282.9 |
| 105°   | 172.3 | 211.8 | 251.2 | 261.1 | 526.6 | 880.7 | 1057.6 | 1179.4 | 1423.0 | 1605.7 | 1593.7 |
| 107.5° | 212.4 | 249.2 | 285.9 | 295.1 | 529.3 | 841.4 | 997.5  | 1167.4 | 1507.2 | 1762.0 | 1764.9 |
| 110°   | 239.5 | 272.6 | 305.9 | 314.1 | 525.2 | 806.7 | 947.4  | 1137.3 | 1517.2 | 1802.1 | 1814.5 |



TEST NUMBER: P937551

CATALOG NUMBER: SQ4-FB-100U-075D-930-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 112.5° | 266.0 | 297.7 | 329.3 | 337.2 | 525.4 | 776.3 | 901.8 | 1096.2 | 1485.0 | 1776.6 | 1795.7 |
| 115°   | 306.1 | 335.3 | 364.4 | 371.7 | 530.2 | 741.5 | 847.2 | 1034.4 | 1409.0 | 1689.9 | 1716.5 |
| 117.5° | 345.7 | 372.2 | 398.7 | 405.3 | 540.0 | 719.7 | 809.6 | 978.6  | 1316.6 | 1570.1 | 1599.6 |
| 120°   | 368.7 | 393.7 | 418.6 | 424.9 | 548.1 | 712.4 | 794.6 | 949.0  | 1257.8 | 1489.5 | 1518.1 |
| 122.5° | 391.3 | 416.4 | 441.6 | 447.9 | 559.6 | 708.6 | 783.1 | 922.2  | 1200.2 | 1408.8 | 1437.0 |
| 125°   | 425.8 | 448.8 | 471.8 | 477.5 | 575.2 | 705.4 | 770.6 | 888.7  | 1124.9 | 1302.1 | 1328.2 |
| 127.5° | 453.9 | 477.1 | 500.3 | 506.1 | 590.7 | 703.6 | 760.0 | 861.5  | 1064.3 | 1216.5 | 1238.4 |
| 130°   | 469.0 | 493.9 | 518.8 | 525.1 | 602.1 | 704.7 | 756.0 | 846.3  | 1026.9 | 1162.3 | 1182.6 |
| 132.5° | 484.4 | 509.4 | 534.3 | 540.6 | 611.2 | 705.4 | 752.5 | 833.4  | 995.0  | 1116.3 | 1134.4 |
| 135°   | 507.5 | 530.2 | 552.9 | 558.6 | 621.3 | 704.7 | 746.5 | 814.2  | 949.5  | 1051.1 | 1066.8 |
| 137.5° | 531.0 | 553.5 | 576.1 | 581.7 | 636.3 | 709.1 | 745.5 | 802.8  | 917.2  | 1003.0 | 1015.8 |
| 140°   | 550.6 | 571.3 | 592.1 | 597.2 | 645.5 | 709.8 | 742.0 | 791.4  | 890.3  | 964.4  | 976.4  |
| 142.5° | 565.6 | 584.8 | 603.9 | 608.8 | 653.2 | 712.3 | 742.0 | 785.4  | 872.2  | 937.3  | 947.6  |
| 145°   | 588.7 | 605.4 | 622.1 | 626.3 | 663.2 | 712.4 | 737.0 | 772.5  | 843.6  | 896.8  | 904.6  |
| 147.5° | 611.7 | 627.9 | 644.2 | 648.3 | 677.8 | 717.2 | 737.0 | 764.9  | 820.8  | 862.7  | 869.2  |
| 150°   | 626.7 | 641.4 | 656.1 | 659.8 | 685.5 | 719.8 | 737.0 | 760.6  | 807.7  | 843.2  | 848.4  |
| 152.5° | 642.3 | 653.5 | 664.6 | 667.4 | 690.6 | 721.5 | 737.0 | 757.1  | 797.5  | 827.7  | 831.6  |
| 155°   | 665.4 | 673.6 | 681.7 | 683.8 | 701.6 | 725.2 | 737.0 | 753.1  | 785.1  | 809.1  | 811.8  |
| 157.5° | 682.4 | 690.4 | 698.4 | 700.4 | 712.6 | 728.9 | 737.0 | 749.4  | 774.4  | 793.1  | 795.0  |
| 160°   | 693.9 | 700.1 | 706.4 | 707.9 | 717.6 | 730.6 | 737.0 | 747.7  | 769.0  | 785.1  | 786.1  |
| 162.5° | 705.4 | 710.1 | 714.8 | 716.0 | 722.9 | 732.3 | 737.0 | 746.0  | 764.1  | 777.5  | 778.5  |
| 165°   | 718.0 | 722.1 | 726.4 | 727.4 | 730.6 | 734.9 | 737.0 | 743.4  | 756.3  | 766.1  | 767.1  |
| 167.5° | 729.4 | 731.5 | 733.5 | 733.9 | 736.6 | 740.2 | 742.0 | 746.2  | 754.7  | 761.0  | 761.5  |
| 170°   | 737.0 | 739.0 | 741.0 | 741.5 | 741.7 | 741.9 | 742.0 | 746.2  | 754.7  | 761.0  | 761.0  |
| 172.5° | 741.0 | 741.4 | 741.9 | 742.0 | 742.0 | 742.0 | 742.0 | 745.3  | 752.0  | 757.0  | 756.6  |
| 175°   | 746.5 | 746.5 | 746.5 | 746.5 | 744.9 | 742.9 | 742.0 | 744.1  | 748.3  | 751.5  | 751.5  |
| 177.5° | 746.5 | 746.5 | 746.5 | 746.5 | 745.3 | 743.8 | 743.0 | 744.7  | 748.0  | 750.5  | 750.0  |
| 180°   | 746.5 | 746.5 | 746.5 | 746.5 | 746.5 | 746.5 | 746.5 | 746.5  | 746.5  | 746.5  | 746.5  |



TEST NUMBER: P937551

CATALOG NUMBER: SQ4-FB-100U-075D-930-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 374.6  | 374.6  |
| 2.5°   | 399.9  | 397.5  |
| 5°     | 514.3  | 516.7  |
| 7.5°   | 692.6  | 691.4  |
| 10°    | 861.2  | 872.1  |
| 12.5°  | 984.2  | 986.6  |
| 15°    | 1058.8 | 1063.7 |
| 17.5°  | 1087.7 | 1088.9 |
| 20°    | 1088.9 | 1086.5 |
| 22.5°  | 1075.7 | 1073.3 |
| 25°    | 1060.0 | 1058.8 |
| 27.5°  | 1045.6 | 1046.8 |
| 30°    | 1039.6 | 1043.2 |
| 32.5°  | 1039.6 | 1045.6 |
| 35°    | 1042.0 | 1048.0 |
| 37.5°  | 1040.8 | 1048.0 |
| 40°    | 1036.0 | 1044.4 |
| 42.5°  | 1022.7 | 1028.7 |
| 45°    | 1002.2 | 1009.5 |
| 47.5°  | 975.7  | 980.5  |
| 50°    | 942.0  | 946.8  |
| 52.5°  | 899.8  | 901.0  |
| 55°    | 849.2  | 854.0  |
| 57.5°  | 795.0  | 796.2  |
| 60°    | 734.7  | 738.4  |
| 62.5°  | 670.9  | 670.9  |
| 65°    | 603.5  | 605.9  |
| 67.5°  | 533.6  | 539.6  |
| 70°    | 462.5  | 463.7  |
| 72.5°  | 392.7  | 392.7  |
| 75°    | 320.4  | 321.6  |
| 77.5°  | 251.7  | 251.7  |
| 80°    | 186.7  | 187.9  |
| 82.5°  | 128.9  | 131.3  |
| 85°    | 80.7   | 80.7   |
| 87.5°  | 37.3   | 33.7   |
| 90°    | 19.0   | 19.0   |
| 92.5°  | 76.2   | 61.1   |
| 95°    | 265.8  | 219.9  |
| 97.5°  | 636.9  | 549.6  |
| 100°   | 917.6  | 813.6  |
| 102.5° | 1193.7 | 1104.7 |
| 105°   | 1545.9 | 1498.0 |
| 107.5° | 1776.6 | 1788.1 |
| 110°   | 1864.5 | 1914.4 |





TEST NUMBER: P937551

CATALOG NUMBER: SQ4-FB-100U-075D-930-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 1872.3 | 1948.9 |
| 115°   | 1822.6 | 1928.9 |
| 117.5° | 1717.4 | 1835.2 |
| 120°   | 1632.6 | 1747.0 |
| 122.5° | 1550.0 | 1662.9 |
| 125°   | 1432.1 | 1536.1 |
| 127.5° | 1326.2 | 1413.8 |
| 130°   | 1263.7 | 1344.7 |
| 132.5° | 1207.0 | 1279.6 |
| 135°   | 1129.3 | 1191.9 |
| 137.5° | 1067.0 | 1118.3 |
| 140°   | 1024.3 | 1072.2 |
| 142.5° | 988.9  | 1030.1 |
| 145°   | 935.8  | 967.0  |
| 147.5° | 895.0  | 920.9  |
| 150°   | 869.3  | 890.3  |
| 152.5° | 847.4  | 863.2  |
| 155°   | 822.2  | 832.6  |
| 157.5° | 802.3  | 809.6  |
| 160°   | 790.4  | 794.6  |
| 162.5° | 782.5  | 786.5  |
| 165°   | 771.4  | 775.5  |
| 167.5° | 763.3  | 765.0  |
| 170°   | 761.0  | 761.0  |
| 172.5° | 755.1  | 753.5  |
| 175°   | 751.5  | 751.5  |
| 177.5° | 748.2  | 746.5  |
| 180°   | 746.5  | 746.5  |



TEST NUMBER: P937551  
 CATALOG NUMBER: SQ4-FB-100U-075D-930-1D-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 | 2.65             | 3.44  | 3.70  | 4.50  | 5.93  | 15.82          | 16.60 | 16.87 | 17.66 | 19.10 |
|                 | 3H   | 3.35             | 4.06  | 4.41  | 5.12  | 6.58  | 17.65          | 18.35 | 18.71 | 19.42 | 20.88 |
|                 | 4H   | 3.65             | 4.32  | 4.72  | 5.39  | 6.85  | 18.28          | 18.95 | 19.36 | 20.02 | 21.49 |
|                 | 6H   | 3.89             | 4.51  | 4.97  | 5.58  | 7.06  | 18.71          | 19.32 | 19.79 | 20.40 | 21.87 |
|                 | 8H   | 3.96             | 4.55  | 5.04  | 5.64  | 7.11  | 18.82          | 19.41 | 19.91 | 20.50 | 21.97 |
|                 | 12H  | 3.97             | 4.53  | 5.06  | 5.62  | 7.11  | 18.89          | 19.44 | 19.98 | 20.53 | 22.02 |
| 4H              | 2H   | 9.85             | 10.52 | 10.93 | 11.59 | 13.05 | 16.08          | 16.75 | 17.16 | 17.82 | 19.28 |
|                 | 3H   | 11.41            | 11.97 | 12.50 | 13.07 | 14.54 | 18.12          | 18.68 | 19.20 | 19.77 | 21.25 |
|                 | 4H   | 11.50            | 12.02 | 12.59 | 13.10 | 14.60 | 18.88          | 19.39 | 19.97 | 20.48 | 21.97 |
|                 | 6H   | 11.51            | 11.95 | 12.61 | 13.06 | 14.55 | 19.41          | 19.85 | 20.51 | 20.96 | 22.45 |
|                 | 8H   | 11.48            | 11.90 | 12.58 | 13.00 | 14.51 | 19.56          | 19.98 | 20.67 | 21.08 | 22.59 |
|                 | 12H  | 11.44            | 11.81 | 12.56 | 12.93 | 14.44 | 19.65          | 20.03 | 20.77 | 21.14 | 22.65 |
| 8H              | 4H   | 12.94            | 13.35 | 14.04 | 14.45 | 15.96 | 18.93          | 19.34 | 20.03 | 20.45 | 21.95 |
|                 | 6H   | 13.18            | 13.52 | 14.30 | 14.66 | 16.17 | 19.55          | 19.89 | 20.68 | 21.04 | 22.54 |
|                 | 8H   | 13.19            | 13.49 | 14.32 | 14.62 | 16.14 | 19.77          | 20.07 | 20.90 | 21.19 | 22.72 |
|                 | 12H  | 13.16            | 13.42 | 14.29 | 14.54 | 16.10 | 19.91          | 20.17 | 21.04 | 21.29 | 22.85 |
| 12H             | 4H   | 13.08            | 13.45 | 14.19 | 14.57 | 16.08 | 18.88          | 19.25 | 20.00 | 20.37 | 21.88 |
|                 | 6H   | 13.43            | 13.73 | 14.56 | 14.86 | 16.38 | 19.53          | 19.83 | 20.66 | 20.96 | 22.48 |
|                 | 8H   | 13.50            | 13.76 | 14.63 | 14.88 | 16.44 | 19.76          | 20.02 | 20.89 | 21.14 | 22.70 |