

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: P937358

Luminaire Tested: SQ4-FB-075U-125D-93050-1D-UNV-STD-W-4-3500K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P937358  
REPORT IS A COMBINATION OF REPORTS P933504 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-075U-125D-93050-1D-UNV-STD-W-4-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

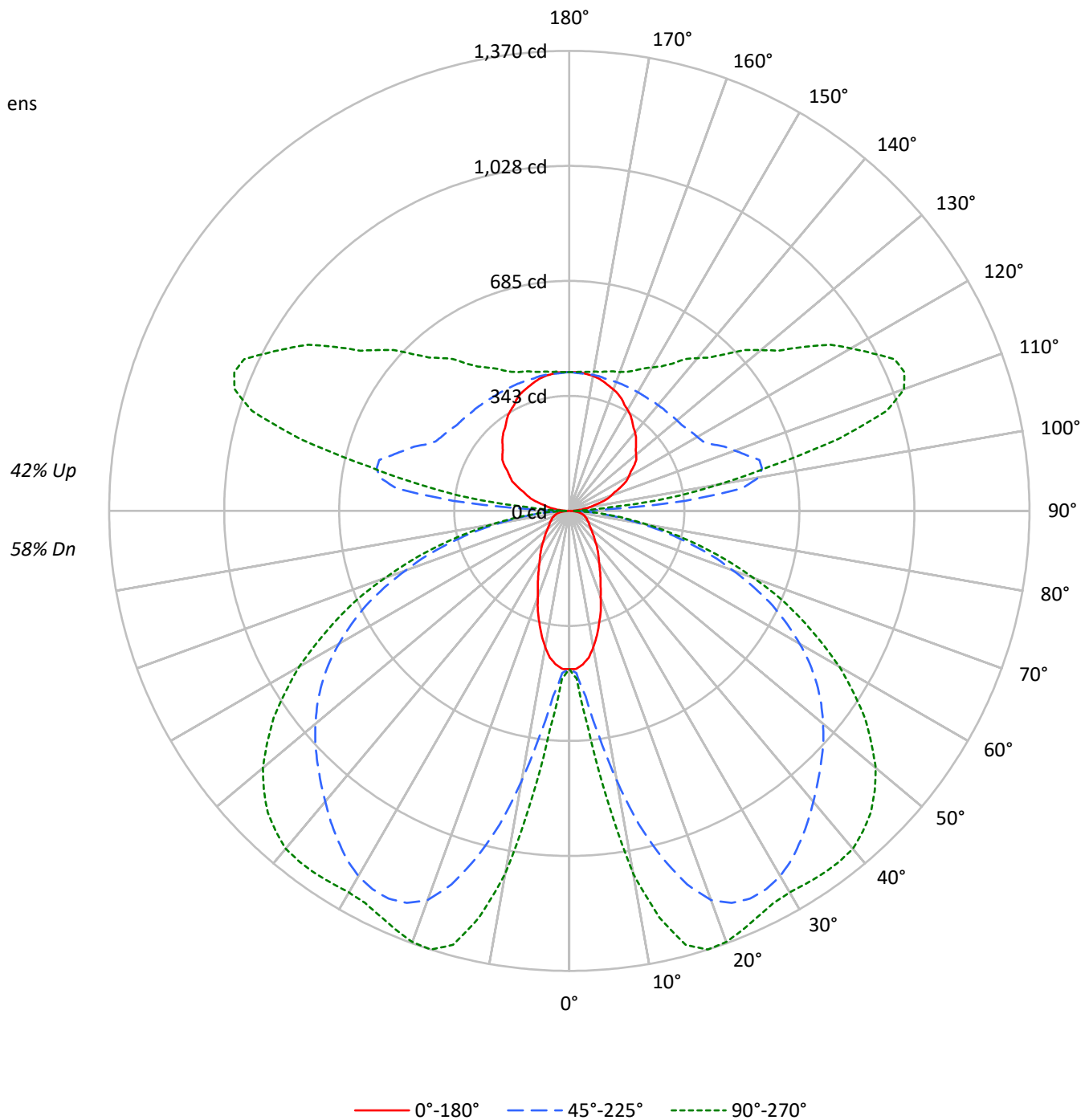
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6327.2 lumens  
Efficiency: N/A  
Efficacy: 102.1 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: General Diffuse

Input Watts (W): 62  
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: P937358  
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### Luminous Intensity Polar Plot





TEST NUMBER: P937358

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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   | 109 | 109 | 109 | 109 | 101 | 101 | 101 | 101 | 88 | 88 | 88 | 75 | 75 | 75 | 63 | 63 | 63 | 58 |    |    | 58 |
| 1   | 99  | 94  | 90  | 86  | 92  | 88  | 84  | 81  | 76 | 73 | 71 | 65 | 63 | 61 | 55 | 53 | 52 | 47 |    |    | 47 |
| 2   | 89  | 82  | 75  | 69  | 83  | 76  | 70  | 65  | 66 | 61 | 57 | 56 | 53 | 50 | 47 | 45 | 43 | 38 |    |    | 38 |
| 3   | 81  | 71  | 63  | 57  | 75  | 66  | 59  | 54  | 57 | 52 | 47 | 49 | 45 | 41 | 41 | 38 | 36 | 32 |    |    | 32 |
| 4   | 74  | 62  | 54  | 48  | 68  | 58  | 51  | 45  | 50 | 45 | 40 | 43 | 39 | 35 | 36 | 33 | 30 | 27 |    |    | 27 |
| 5   | 68  | 55  | 47  | 40  | 63  | 52  | 44  | 38  | 45 | 39 | 34 | 38 | 34 | 30 | 33 | 29 | 26 | 23 |    |    | 23 |
| 6   | 62  | 49  | 41  | 35  | 57  | 46  | 38  | 33  | 40 | 34 | 29 | 34 | 29 | 26 | 29 | 25 | 22 | 19 |    |    | 19 |
| 7   | 57  | 44  | 36  | 30  | 53  | 41  | 34  | 28  | 36 | 30 | 25 | 31 | 26 | 22 | 26 | 22 | 19 | 17 |    |    | 17 |
| 8   | 53  | 40  | 32  | 26  | 49  | 37  | 30  | 25  | 33 | 27 | 22 | 28 | 23 | 20 | 24 | 20 | 17 | 15 |    |    | 15 |
| 9   | 49  | 36  | 28  | 23  | 46  | 34  | 27  | 22  | 30 | 24 | 20 | 26 | 21 | 17 | 22 | 18 | 15 | 13 |    |    | 13 |
| 10  | 46  | 33  | 26  | 21  | 43  | 31  | 24  | 20  | 27 | 22 | 18 | 24 | 19 | 16 | 20 | 16 | 14 | 12 |    |    | 12 |

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

|     | 0°   | 45°   | 90°   |
|-----|------|-------|-------|
| 0°  | 4371 | 4371  | 4371  |
| 5°  | 4266 | 5049  | 5876  |
| 10° | 3865 | 7354  | 9742  |
| 15° | 3282 | 9601  | 11764 |
| 20° | 2669 | 11119 | 11989 |
| 25° | 2223 | 11627 | 11746 |
| 30° | 1873 | 11691 | 11724 |
| 35° | 1652 | 11488 | 12026 |
| 40° | 1438 | 11227 | 12339 |
| 45° | 1299 | 11032 | 12389 |
| 50° | 1190 | 10855 | 12184 |
| 55° | 1136 | 10600 | 11643 |
| 60° | 1160 | 10121 | 10791 |
| 65° | 1200 | 9398  | 9618  |
| 70° | 1269 | 8180  | 8126  |
| 75° | 1390 | 6652  | 6341  |
| 80° | 1488 | 4597  | 4274  |
| 85° | 1250 | 2426  | 2187  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 12389 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 60.9   | 1.0       |
| 10°-20°   | 270.1  | 4.3       |
| 20°-30°   | 472.5  | 7.5       |
| 30°-40°   | 608.2  | 9.6       |
| 40°-50°   | 679.3  | 10.7      |
| 50°-60°   | 650.7  | 10.3      |
| 60°-70°   | 515.7  | 8.1       |
| 70°-80°   | 303.2  | 4.8       |
| 80°-90°   | 85.8   | 1.4       |
| 90°-100°  | 201.6  | 3.2       |
| 100°-110° | 530.0  | 8.4       |
| 110°-120° | 549.5  | 8.7       |
| 120°-130° | 440.8  | 7.0       |
| 130°-140° | 345.9  | 5.5       |
| 140°-150° | 265.5  | 4.2       |
| 150°-160° | 191.2  | 3.0       |
| 160°-170° | 117.0  | 1.8       |
| 170°-180° | 39.5   | 0.6       |
| 0°-30°    | 803.5  | 12.7      |
| 0°-40°    | 1411.7 | 22.3      |
| 0°-60°    | 2741.7 | 43.3      |
| 0°-90°    | 3646.4 | 57.6      |
| 90°-120°  | 1281.1 | 20.2      |
| 90°-150°  | 2333.1 | 36.9      |
| 90°-180°  | 2681.0 | 42.4      |
| 0°-180°   | 6327.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|-----|-------|------|-------|------|------|
| 0°   | 471 | 471   | 471  | 471   | 471  |      |
| 5°   | 459 | 492   | 554  | 627   | 650  | 42   |
| 15°  | 344 | 635   | 1070 | 1297  | 1338 | 96   |
| 25°  | 220 | 720   | 1274 | 1330  | 1332 | 101  |
| 35°  | 148 | 688   | 1200 | 1268  | 1318 | 93   |
| 45°  | 102 | 548   | 1060 | 1215  | 1270 | 79   |
| 55°  | 73  | 348   | 900  | 1045  | 1074 | 66   |
| 65°  | 58  | 185   | 668  | 751   | 762  | 57   |
| 75°  | 42  | 114   | 367  | 403   | 404  | 44   |
| 85°  | 15  | 35    | 91   | 100   | 102  | 16   |
| 90°  | 3   | 8     | 21   | 11    | 11   | 3    |
| 95°  | 27  | 104   | 347  | 179   | 122  | 30   |
| 105° | 95  | 145   | 586  | 890   | 830  | 101  |
| 115° | 170 | 206   | 469  | 936   | 1069 | 168  |
| 125° | 236 | 264   | 427  | 721   | 851  | 209  |
| 135° | 281 | 309   | 414  | 582   | 660  | 218  |
| 145° | 326 | 347   | 408  | 497   | 536  | 204  |
| 155° | 369 | 379   | 408  | 448   | 461  | 169  |
| 165° | 398 | 403   | 408  | 424   | 430  | 112  |
| 175° | 414 | 414   | 411  | 416   | 416  | 39   |
| 180° | 414 | 414   | 414  | 414   | 414  |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 471.1 | 471.1 | 471.1 | 471.1 | 471.1  | 471.1  | 471.1  | 471.1  | 471.1  | 471.1  | 471.1  |
| 2.5°   | 471.1 | 471.1 | 474.2 | 475.7 | 478.7  | 480.2  | 483.3  | 486.3  | 495.4  | 496.9  | 499.9  |
| 5°     | 459.0 | 465.1 | 484.8 | 492.3 | 513.6  | 542.4  | 554.5  | 574.2  | 615.1  | 627.2  | 634.8  |
| 7.5°   | 440.9 | 454.5 | 503.0 | 515.1 | 568.1  | 643.8  | 675.7  | 718.1  | 783.2  | 815.0  | 840.8  |
| 10°    | 412.0 | 440.9 | 527.2 | 556.0 | 642.3  | 757.4  | 816.5  | 875.6  | 974.1  | 1018.1 | 1034.7 |
| 12.5°  | 380.2 | 427.2 | 552.9 | 592.3 | 716.6  | 884.7  | 955.9  | 1021.1 | 1133.2 | 1192.3 | 1201.3 |
| 15°    | 343.9 | 407.5 | 577.2 | 634.8 | 795.3  | 990.8  | 1069.5 | 1149.8 | 1254.4 | 1296.8 | 1307.4 |
| 17.5°  | 312.1 | 392.4 | 599.9 | 660.6 | 855.9  | 1086.2 | 1166.5 | 1233.2 | 1318.0 | 1346.8 | 1354.3 |
| 20°    | 272.7 | 368.2 | 615.1 | 693.9 | 919.6  | 1155.9 | 1233.2 | 1284.7 | 1342.3 | 1360.4 | 1363.5 |
| 22.5°  | 243.9 | 342.4 | 624.1 | 706.0 | 962.0  | 1198.3 | 1263.5 | 1304.4 | 1343.8 | 1349.9 | 1351.3 |
| 25°    | 219.7 | 313.6 | 622.7 | 719.6 | 998.4  | 1224.1 | 1274.1 | 1304.4 | 1327.1 | 1330.2 | 1330.2 |
| 27.5°  | 197.0 | 281.8 | 616.6 | 722.6 | 1025.6 | 1230.2 | 1269.6 | 1290.8 | 1301.3 | 1307.4 | 1307.4 |
| 30°    | 177.3 | 251.5 | 601.5 | 716.6 | 1037.8 | 1224.1 | 1255.9 | 1266.5 | 1277.1 | 1286.2 | 1290.8 |
| 32.5°  | 162.1 | 222.7 | 578.7 | 704.4 | 1039.3 | 1208.9 | 1231.7 | 1237.7 | 1252.9 | 1274.1 | 1281.6 |
| 35°    | 148.4 | 193.9 | 552.9 | 687.8 | 1030.1 | 1184.7 | 1199.8 | 1205.9 | 1236.2 | 1268.0 | 1278.6 |
| 37.5°  | 134.8 | 172.7 | 519.6 | 659.0 | 1016.5 | 1155.9 | 1166.5 | 1177.2 | 1224.1 | 1261.9 | 1274.1 |
| 40°    | 121.2 | 154.5 | 480.2 | 627.2 | 995.3  | 1121.0 | 1130.2 | 1146.8 | 1208.9 | 1252.9 | 1265.0 |
| 42.5°  | 110.6 | 139.4 | 437.8 | 593.9 | 968.0  | 1081.7 | 1095.3 | 1119.6 | 1190.8 | 1237.7 | 1251.4 |
| 45°    | 101.5 | 124.3 | 392.4 | 548.4 | 933.2  | 1040.8 | 1060.5 | 1093.8 | 1169.5 | 1215.0 | 1227.1 |
| 47.5°  | 92.4  | 113.6 | 345.4 | 501.5 | 895.3  | 999.9  | 1025.6 | 1063.5 | 1140.7 | 1184.7 | 1195.3 |
| 50°    | 84.9  | 103.1 | 298.4 | 451.4 | 854.4  | 955.9  | 986.3  | 1025.6 | 1104.4 | 1145.3 | 1159.0 |
| 52.5°  | 78.8  | 93.9  | 254.5 | 401.5 | 807.5  | 910.4  | 945.4  | 986.3  | 1060.5 | 1099.9 | 1108.9 |
| 55°    | 72.7  | 86.3  | 216.7 | 348.5 | 759.0  | 862.0  | 899.9  | 939.3  | 1012.0 | 1045.3 | 1051.4 |
| 57.5°  | 69.7  | 80.3  | 184.8 | 298.4 | 707.5  | 807.5  | 849.9  | 886.3  | 954.4  | 980.2  | 986.3  |
| 60°    | 65.2  | 75.7  | 160.6 | 256.1 | 651.4  | 756.0  | 792.4  | 828.7  | 886.3  | 907.5  | 912.0  |
| 62.5°  | 60.6  | 72.7  | 142.4 | 215.1 | 593.9  | 695.4  | 731.7  | 765.0  | 813.6  | 828.7  | 834.7  |
| 65°    | 57.6  | 69.7  | 128.7 | 184.8 | 534.8  | 631.7  | 668.1  | 696.9  | 736.3  | 751.4  | 754.5  |
| 67.5°  | 54.5  | 66.7  | 118.2 | 159.1 | 475.7  | 568.1  | 595.4  | 622.7  | 653.0  | 668.1  | 669.6  |
| 70°    | 50.0  | 63.7  | 109.0 | 140.9 | 415.1  | 495.4  | 518.1  | 546.9  | 571.1  | 578.7  | 583.3  |
| 72.5°  | 47.0  | 59.1  | 103.1 | 127.2 | 353.0  | 425.7  | 446.9  | 463.6  | 484.8  | 492.3  | 492.3  |
| 75°    | 42.4  | 53.0  | 97.0  | 113.6 | 289.4  | 348.5  | 366.6  | 383.3  | 399.9  | 403.0  | 398.4  |
| 77.5°  | 37.9  | 47.0  | 83.4  | 95.4  | 225.7  | 275.8  | 290.9  | 299.9  | 313.6  | 316.6  | 318.1  |
| 80°    | 31.8  | 40.9  | 65.2  | 74.2  | 163.6  | 203.0  | 213.6  | 221.1  | 233.3  | 233.3  | 236.4  |
| 82.5°  | 24.3  | 31.8  | 47.0  | 53.0  | 110.6  | 139.4  | 148.4  | 153.0  | 160.6  | 160.6  | 160.6  |
| 85°    | 15.1  | 19.7  | 30.3  | 34.8  | 66.7   | 84.9   | 90.9   | 92.4   | 98.5   | 100.0  | 100.0  |
| 87.5°  | 7.6   | 10.6  | 19.7  | 21.2  | 34.8   | 44.0   | 44.0   | 47.0   | 47.0   | 45.5   | 44.0   |
| 90°    | 2.8   | 5.0   | 7.3   | 7.8   | 12.3   | 18.2   | 21.1   | 18.8   | 14.1   | 10.6   | 10.6   |
| 92.5°  | 11.1  | 30.0  | 48.8  | 53.5  | 75.3   | 104.3  | 118.8  | 104.1  | 74.8   | 52.7   | 50.7   |
| 95°    | 26.7  | 61.2  | 95.8  | 104.4 | 185.3  | 293.2  | 347.2  | 309.8  | 235.0  | 179.0  | 172.6  |
| 97.5°  | 46.1  | 76.5  | 107.0 | 114.6 | 249.6  | 429.6  | 519.5  | 495.9  | 448.7  | 413.3  | 401.2  |
| 100°   | 61.1  | 88.6  | 116.3 | 123.2 | 273.0  | 472.7  | 572.6  | 574.3  | 577.7  | 580.3  | 565.9  |
| 102.5° | 73.9  | 99.6  | 125.3 | 131.8 | 283.7  | 486.3  | 587.6  | 617.7  | 677.8  | 723.0  | 710.6  |
| 105°   | 95.4  | 117.3 | 139.1 | 144.6 | 291.7  | 487.9  | 585.9  | 653.4  | 788.3  | 889.5  | 882.9  |
| 107.5° | 117.6 | 138.1 | 158.4 | 163.5 | 293.2  | 466.1  | 552.6  | 646.7  | 834.9  | 976.1  | 977.7  |
| 110°   | 132.7 | 151.0 | 169.5 | 174.0 | 291.0  | 446.9  | 524.8  | 630.0  | 840.4  | 998.3  | 1005.2 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°   | 60°   | 67.5° | 70°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 147.4 | 164.9 | 182.4 | 186.8 | 291.1 | 430.1 | 499.6 | 607.3 | 822.6 | 984.1 | 994.8 |
| 115°   | 169.6 | 185.7 | 201.9 | 205.9 | 293.8 | 410.8 | 469.3 | 573.1 | 780.5 | 936.1 | 950.8 |
| 117.5° | 191.5 | 206.2 | 220.9 | 224.5 | 299.2 | 398.7 | 448.5 | 542.1 | 729.3 | 869.8 | 886.1 |
| 120°   | 204.3 | 218.1 | 231.9 | 235.4 | 303.6 | 394.7 | 440.1 | 525.7 | 696.8 | 825.1 | 841.0 |
| 122.5° | 216.8 | 230.7 | 244.6 | 248.1 | 310.0 | 392.5 | 433.8 | 510.8 | 664.9 | 780.4 | 796.1 |
| 125°   | 235.9 | 248.6 | 261.3 | 264.5 | 318.6 | 390.8 | 426.9 | 492.3 | 623.2 | 721.4 | 735.8 |
| 127.5° | 251.5 | 264.3 | 277.1 | 280.3 | 327.2 | 389.8 | 421.1 | 477.3 | 589.7 | 673.9 | 686.1 |
| 130°   | 259.8 | 273.6 | 287.4 | 290.9 | 333.5 | 390.4 | 418.8 | 468.9 | 568.9 | 643.9 | 655.1 |
| 132.5° | 268.4 | 282.2 | 296.0 | 299.5 | 338.6 | 390.8 | 416.9 | 461.6 | 551.2 | 618.4 | 628.4 |
| 135°   | 281.1 | 293.7 | 306.3 | 309.4 | 344.2 | 390.4 | 413.5 | 451.1 | 526.1 | 582.3 | 591.0 |
| 137.5° | 294.2 | 306.6 | 319.1 | 322.2 | 352.5 | 392.9 | 413.0 | 444.7 | 508.1 | 555.6 | 562.7 |
| 140°   | 305.0 | 316.5 | 328.0 | 330.8 | 357.6 | 393.2 | 411.0 | 438.4 | 493.1 | 534.2 | 540.9 |
| 142.5° | 313.4 | 323.9 | 334.5 | 337.2 | 361.8 | 394.7 | 411.0 | 435.1 | 483.2 | 519.3 | 525.0 |
| 145°   | 326.1 | 335.4 | 344.6 | 346.9 | 367.3 | 394.7 | 408.3 | 428.0 | 467.3 | 496.8 | 501.1 |
| 147.5° | 338.9 | 347.8 | 356.9 | 359.1 | 375.5 | 397.3 | 408.3 | 423.8 | 454.7 | 477.9 | 481.5 |
| 150°   | 347.2 | 355.3 | 363.5 | 365.6 | 379.8 | 398.8 | 408.3 | 421.3 | 447.5 | 467.1 | 469.9 |
| 152.5° | 355.8 | 362.0 | 368.2 | 369.7 | 382.6 | 399.7 | 408.3 | 419.5 | 441.7 | 458.5 | 460.6 |
| 155°   | 368.6 | 373.2 | 377.6 | 378.8 | 388.7 | 401.7 | 408.3 | 417.1 | 434.9 | 448.2 | 449.6 |
| 157.5° | 378.0 | 382.5 | 387.0 | 388.0 | 394.7 | 403.8 | 408.3 | 415.2 | 428.9 | 439.3 | 440.3 |
| 160°   | 384.4 | 387.8 | 391.3 | 392.1 | 397.5 | 404.7 | 408.3 | 414.2 | 426.1 | 434.9 | 435.5 |
| 162.5° | 390.8 | 393.4 | 396.0 | 396.6 | 400.5 | 405.7 | 408.3 | 413.3 | 423.2 | 430.7 | 431.3 |
| 165°   | 397.7 | 400.0 | 402.4 | 403.0 | 404.8 | 407.1 | 408.3 | 411.8 | 419.0 | 424.4 | 425.0 |
| 167.5° | 404.1 | 405.1 | 406.3 | 406.6 | 408.1 | 410.1 | 411.0 | 413.4 | 418.1 | 421.6 | 421.9 |
| 170°   | 408.3 | 409.3 | 410.5 | 410.8 | 410.9 | 410.9 | 411.0 | 413.4 | 418.1 | 421.6 | 421.6 |
| 172.5° | 410.5 | 410.8 | 410.9 | 411.0 | 411.0 | 411.0 | 411.0 | 412.9 | 416.6 | 419.4 | 419.2 |
| 175°   | 413.5 | 413.5 | 413.5 | 413.5 | 412.7 | 411.6 | 411.0 | 412.2 | 414.5 | 416.3 | 416.3 |
| 177.5° | 413.5 | 413.5 | 413.5 | 413.5 | 412.9 | 412.0 | 411.6 | 412.5 | 414.4 | 415.8 | 415.5 |
| 180°   | 413.5 | 413.5 | 413.5 | 413.5 | 413.5 | 413.5 | 413.5 | 413.5 | 413.5 | 413.5 | 413.5 |



TEST NUMBER: P937358

CATALOG NUMBER: SQ4-FB-075U-125D-93050-1D-UNV-STD-W-4-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 471.1  | 471.1  |
| 2.5°   | 503.0  | 499.9  |
| 5°     | 646.9  | 649.9  |
| 7.5°   | 871.1  | 869.6  |
| 10°    | 1083.1 | 1096.8 |
| 12.5°  | 1237.7 | 1240.7 |
| 15°    | 1331.7 | 1337.7 |
| 17.5°  | 1368.0 | 1369.6 |
| 20°    | 1369.6 | 1366.5 |
| 22.5°  | 1352.8 | 1349.9 |
| 25°    | 1333.1 | 1331.7 |
| 27.5°  | 1314.9 | 1316.5 |
| 30°    | 1307.4 | 1312.0 |
| 32.5°  | 1307.4 | 1314.9 |
| 35°    | 1310.5 | 1318.0 |
| 37.5°  | 1308.9 | 1318.0 |
| 40°    | 1302.9 | 1313.4 |
| 42.5°  | 1286.2 | 1293.7 |
| 45°    | 1260.4 | 1269.6 |
| 47.5°  | 1227.1 | 1233.2 |
| 50°    | 1184.7 | 1190.8 |
| 52.5°  | 1131.7 | 1133.2 |
| 55°    | 1068.0 | 1074.1 |
| 57.5°  | 999.9  | 1001.4 |
| 60°    | 924.1  | 928.7  |
| 62.5°  | 843.8  | 843.8  |
| 65°    | 759.0  | 762.0  |
| 67.5°  | 671.1  | 678.7  |
| 70°    | 581.8  | 583.3  |
| 72.5°  | 493.9  | 493.9  |
| 75°    | 403.0  | 404.5  |
| 77.5°  | 316.6  | 316.6  |
| 80°    | 234.8  | 236.4  |
| 82.5°  | 162.1  | 165.1  |
| 85°    | 101.5  | 101.5  |
| 87.5°  | 47.0   | 42.4   |
| 90°    | 10.6   | 10.6   |
| 92.5°  | 42.3   | 33.8   |
| 95°    | 147.3  | 121.9  |
| 97.5°  | 352.8  | 304.5  |
| 100°   | 508.4  | 450.7  |
| 102.5° | 661.3  | 611.9  |
| 105°   | 856.4  | 829.9  |
| 107.5° | 984.1  | 990.6  |
| 110°   | 1032.8 | 1060.5 |





TEST NUMBER: P937358

CATALOG NUMBER: SQ4-FB-075U-125D-93050-1D-UNV-STD-W-4-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 1037.2 | 1079.7 |
| 115°   | 1009.7 | 1068.6 |
| 117.5° | 951.4  | 1016.6 |
| 120°   | 904.4  | 967.7  |
| 122.5° | 858.6  | 921.2  |
| 125°   | 793.3  | 850.9  |
| 127.5° | 734.6  | 783.2  |
| 130°   | 700.0  | 744.9  |
| 132.5° | 668.6  | 708.8  |
| 135°   | 625.6  | 660.3  |
| 137.5° | 591.1  | 619.5  |
| 140°   | 567.4  | 593.9  |
| 142.5° | 547.8  | 570.6  |
| 145°   | 518.4  | 535.7  |
| 147.5° | 495.8  | 510.1  |
| 150°   | 481.6  | 493.2  |
| 152.5° | 469.4  | 478.2  |
| 155°   | 455.4  | 461.3  |
| 157.5° | 444.4  | 448.5  |
| 160°   | 437.8  | 440.1  |
| 162.5° | 433.5  | 435.7  |
| 165°   | 427.3  | 429.7  |
| 167.5° | 422.9  | 423.8  |
| 170°   | 421.6  | 421.6  |
| 172.5° | 418.3  | 417.4  |
| 175°   | 416.3  | 416.3  |
| 177.5° | 414.5  | 413.5  |
| 180°   | 413.5  | 413.5  |



TEST NUMBER: P937358

CATALOG NUMBER: SQ4-FB-075U-125D-93050-1D-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 | 6.78             | 7.76  | 7.66  | 8.67  | 9.82  | 19.92          | 20.90 | 20.80 | 21.81 | 22.96 |
|                 | 3H   | 7.50             | 8.38  | 8.39  | 9.30  | 10.48 | 21.75          | 22.64 | 22.65 | 23.55 | 24.73 |
|                 | 4H   | 7.80             | 8.64  | 8.71  | 9.56  | 10.75 | 22.40          | 23.23 | 23.30 | 24.15 | 25.34 |
|                 | 6H   | 8.06             | 8.83  | 8.98  | 9.76  | 10.96 | 22.82          | 23.59 | 23.74 | 24.52 | 25.72 |
|                 | 8H   | 8.13             | 8.87  | 9.06  | 9.81  | 11.01 | 22.94          | 23.67 | 23.86 | 24.62 | 25.82 |
|                 | 12H  | 8.15             | 8.85  | 9.09  | 9.79  | 11.02 | 23.00          | 23.70 | 23.94 | 24.64 | 25.87 |
| 4H              | 2H   | 13.99            | 14.82 | 14.90 | 15.75 | 16.93 | 20.21          | 21.05 | 21.12 | 21.97 | 23.16 |
|                 | 3H   | 15.57            | 16.27 | 16.49 | 17.22 | 18.43 | 22.25          | 22.95 | 23.18 | 23.91 | 25.11 |
|                 | 4H   | 15.67            | 16.31 | 16.60 | 17.26 | 18.49 | 23.02          | 23.66 | 23.95 | 24.60 | 25.83 |
|                 | 6H   | 15.69            | 16.24 | 16.64 | 17.21 | 18.44 | 23.55          | 24.10 | 24.50 | 25.08 | 26.30 |
|                 | 8H   | 15.67            | 16.19 | 16.62 | 17.15 | 18.40 | 23.71          | 24.23 | 24.66 | 25.19 | 26.43 |
|                 | 12H  | 15.63            | 16.10 | 16.60 | 17.08 | 18.33 | 23.80          | 24.27 | 24.77 | 25.25 | 26.50 |
| 8H              | 4H   | 17.11            | 17.63 | 18.07 | 18.60 | 19.84 | 23.09          | 23.61 | 24.04 | 24.57 | 25.81 |
|                 | 6H   | 17.36            | 17.79 | 18.34 | 18.80 | 20.04 | 23.71          | 24.14 | 24.69 | 25.15 | 26.39 |
|                 | 8H   | 17.38            | 17.76 | 18.37 | 18.76 | 20.02 | 23.92          | 24.30 | 24.91 | 25.30 | 26.56 |
|                 | 12H  | 17.36            | 17.69 | 18.35 | 18.68 | 19.99 | 24.07          | 24.40 | 25.06 | 25.39 | 26.70 |
| 12H             | 4H   | 17.26            | 17.73 | 18.23 | 18.71 | 19.96 | 23.05          | 23.51 | 24.02 | 24.50 | 25.75 |
|                 | 6H   | 17.62            | 18.00 | 18.60 | 18.99 | 20.25 | 23.69          | 24.08 | 24.68 | 25.07 | 26.33 |
|                 | 8H   | 17.69            | 18.03 | 18.68 | 19.02 | 20.33 | 23.92          | 24.26 | 24.91 | 25.25 | 26.55 |