

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: P937870

Luminaire Tested: SQ4-FB-125U-050D-935-1D-UNV-STD-W-4

Issue Date: 12/17/2024

**Test Information**

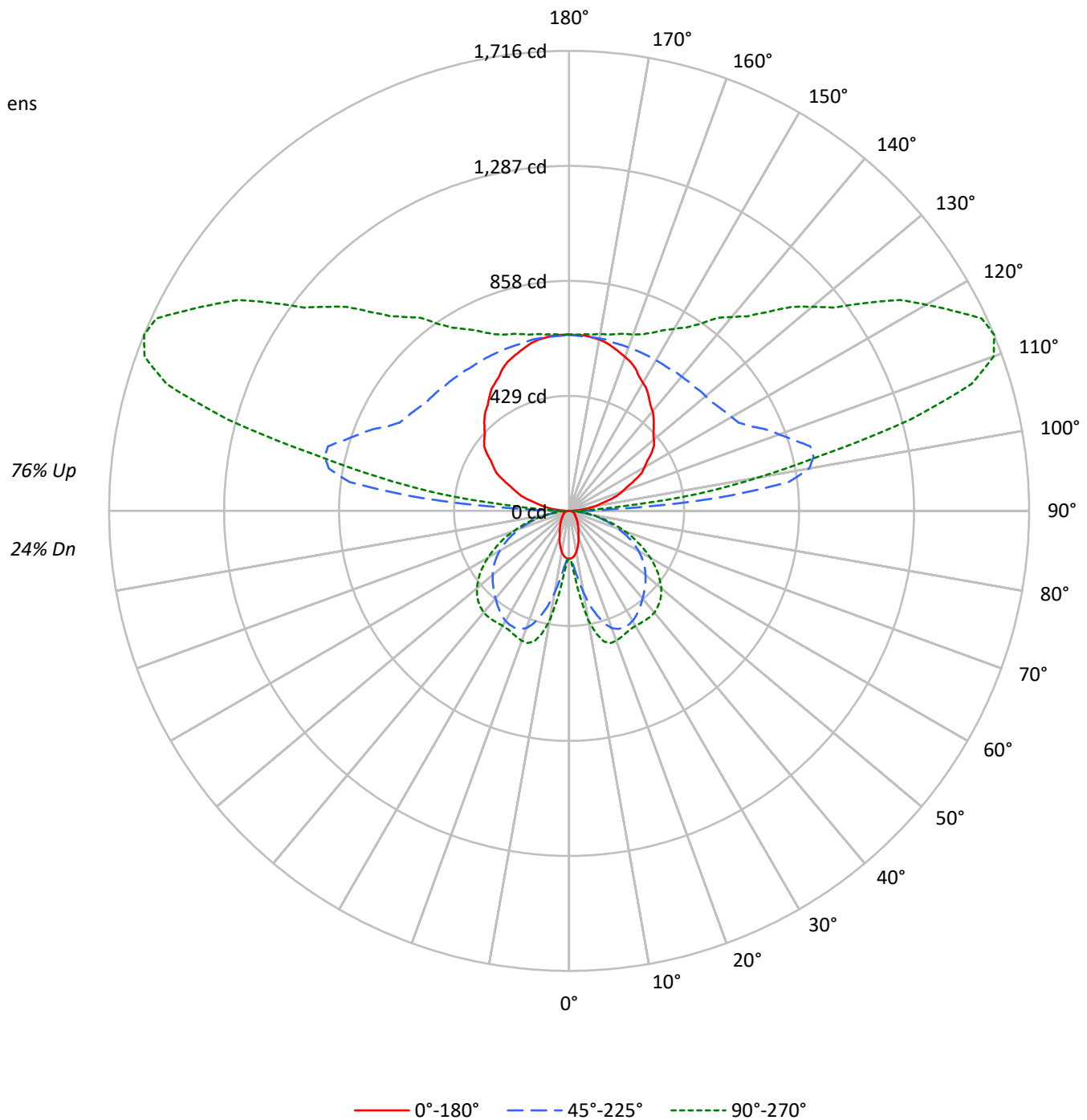
Test Method: LM-79-2019  
Report Number: P937870  
REPORT IS A COMBINATION OF REPORTS P933597 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-125U-050D-935-1D-UNV-STD-W-4  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5638.5 lumens  
Efficiency: N/A  
Efficacy: 118.5 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: Semi-Indirect  
  
Input Watts (W): 47.6  
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: P937870  
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### Luminous Intensity Polar Plot





TEST NUMBER: P937870

CATALOG NUMBER: SQ4-FB-125U-050D-935-1D-UNV-STD-W-4

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

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 1649 | 1649 | 1649 |
| 5°  | 1610 | 1905 | 2217 |
| 10° | 1459 | 2775 | 3676 |
| 15° | 1239 | 3622 | 4438 |
| 20° | 1007 | 4195 | 4523 |
| 25° | 839  | 4387 | 4431 |
| 30° | 707  | 4411 | 4423 |
| 35° | 623  | 4334 | 4537 |
| 40° | 543  | 4236 | 4655 |
| 45° | 490  | 4162 | 4674 |
| 50° | 449  | 4095 | 4597 |
| 55° | 428  | 3999 | 4392 |
| 60° | 436  | 3819 | 4070 |
| 65° | 452  | 3545 | 3629 |
| 70° | 477  | 3085 | 3066 |
| 75° | 525  | 2509 | 2392 |
| 80° | 562  | 1735 | 1613 |
| 85° | 472  | 915  | 825  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 4674 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 23.0   | 0.4       |
| 10°-20°   | 101.9  | 1.8       |
| 20°-30°   | 178.3  | 3.2       |
| 30°-40°   | 229.5  | 4.1       |
| 40°-50°   | 256.3  | 4.5       |
| 50°-60°   | 245.5  | 4.4       |
| 60°-70°   | 194.5  | 3.5       |
| 70°-80°   | 114.4  | 2.0       |
| 80°-90°   | 34.3   | 0.6       |
| 90°-100°  | 320.4  | 5.7       |
| 100°-110° | 842.3  | 14.9      |
| 110°-120° | 873.4  | 15.5      |
| 120°-130° | 700.6  | 12.4      |
| 130°-140° | 549.7  | 9.7       |
| 140°-150° | 421.9  | 7.5       |
| 150°-160° | 303.9  | 5.4       |
| 160°-170° | 185.9  | 3.3       |
| 170°-180° | 62.8   | 1.1       |
| 0°-30°    | 303.2  | 5.4       |
| 0°-40°    | 532.6  | 9.4       |
| 0°-60°    | 1034.4 | 18.3      |
| 0°-90°    | 1377.6 | 24.4      |
| 90°-120°  | 2036.1 | 36.1      |
| 90°-150°  | 3708.3 | 65.8      |
| 90°-180°  | 4261.0 | 75.6      |
| 0°-180°   | 5638.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45° | 67.5° | 90°  | Flux |
|------|-----|-------|-----|-------|------|------|
| 0°   | 178 | 178   | 178 | 178   | 178  |      |
| 5°   | 173 | 186   | 209 | 237   | 245  | 16   |
| 15°  | 130 | 240   | 404 | 489   | 505  | 36   |
| 25°  | 83  | 272   | 481 | 502   | 502  | 38   |
| 35°  | 56  | 260   | 453 | 478   | 497  | 35   |
| 45°  | 38  | 207   | 400 | 458   | 479  | 30   |
| 55°  | 27  | 132   | 340 | 394   | 405  | 25   |
| 65°  | 22  | 70    | 252 | 284   | 288  | 21   |
| 75°  | 16  | 43    | 138 | 152   | 153  | 17   |
| 85°  | 6   | 13    | 34  | 38    | 38   | 6    |
| 90°  | 4   | 12    | 34  | 17    | 17   | 4    |
| 95°  | 42  | 166   | 552 | 285   | 194  | 47   |
| 105° | 152 | 230   | 931 | 1414  | 1319 | 161  |
| 115° | 270 | 327   | 746 | 1488  | 1698 | 266  |
| 125° | 375 | 420   | 678 | 1146  | 1352 | 333  |
| 135° | 447 | 492   | 657 | 926   | 1049 | 346  |
| 145° | 518 | 551   | 649 | 790   | 851  | 325  |
| 155° | 586 | 602   | 649 | 712   | 733  | 269  |
| 165° | 632 | 640   | 649 | 674   | 683  | 178  |
| 175° | 657 | 657   | 653 | 662   | 662  | 62   |
| 180° | 657 | 657   | 657 | 657   | 657  |      |



TEST NUMBER: P937870

CATALOG NUMBER: SQ4-FB-125U-050D-935-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0°     | 177.7 | 177.7 | 177.7 | 177.7 | 177.7 | 177.7 | 177.7 | 177.7  | 177.7  | 177.7  | 177.7  |
| 2.5°   | 177.7 | 177.7 | 178.9 | 179.4 | 180.6 | 181.2 | 182.3 | 183.4  | 186.9  | 187.4  | 188.6  |
| 5°     | 173.2 | 175.5 | 182.9 | 185.7 | 193.7 | 204.7 | 209.2 | 216.7  | 232.1  | 236.6  | 239.5  |
| 7.5°   | 166.3 | 171.5 | 189.7 | 194.3 | 214.4 | 242.9 | 254.9 | 270.9  | 295.5  | 307.5  | 317.2  |
| 10°    | 155.5 | 166.3 | 198.9 | 209.8 | 242.3 | 285.8 | 308.1 | 330.4  | 367.6  | 384.1  | 390.4  |
| 12.5°  | 143.5 | 161.2 | 208.7 | 223.5 | 270.3 | 333.8 | 360.7 | 385.3  | 427.5  | 449.9  | 453.3  |
| 15°    | 129.8 | 153.8 | 217.8 | 239.5 | 300.1 | 373.8 | 403.5 | 433.8  | 473.3  | 489.2  | 493.2  |
| 17.5°  | 117.7 | 148.1 | 226.4 | 249.2 | 322.9 | 409.8 | 440.1 | 465.3  | 497.2  | 508.1  | 510.9  |
| 20°    | 102.9 | 138.9 | 232.1 | 261.8 | 346.9 | 436.1 | 465.3 | 484.7  | 506.4  | 513.2  | 514.4  |
| 22.5°  | 92.0  | 129.2 | 235.5 | 266.3 | 363.0 | 452.1 | 476.7 | 492.1  | 506.9  | 509.2  | 509.8  |
| 25°    | 82.9  | 118.3 | 234.9 | 271.5 | 376.7 | 461.8 | 480.7 | 492.1  | 500.7  | 501.8  | 501.8  |
| 27.5°  | 74.3  | 106.3 | 232.6 | 272.6 | 387.0 | 464.1 | 479.0 | 487.0  | 491.0  | 493.2  | 493.2  |
| 30°    | 66.9  | 94.9  | 226.9 | 270.3 | 391.5 | 461.8 | 473.8 | 477.8  | 481.8  | 485.3  | 487.0  |
| 32.5°  | 61.2  | 84.0  | 218.4 | 265.7 | 392.1 | 456.1 | 464.7 | 467.0  | 472.7  | 480.7  | 483.5  |
| 35°    | 56.0  | 73.2  | 208.7 | 259.5 | 388.7 | 447.0 | 452.7 | 455.0  | 466.4  | 478.4  | 482.4  |
| 37.5°  | 50.9  | 65.2  | 196.0 | 248.6 | 383.5 | 436.1 | 440.1 | 444.1  | 461.8  | 476.1  | 480.7  |
| 40°    | 45.8  | 58.3  | 181.2 | 236.6 | 375.6 | 422.9 | 426.4 | 432.6  | 456.1  | 472.7  | 477.3  |
| 42.5°  | 41.7  | 52.6  | 165.2 | 224.1 | 365.3 | 408.1 | 413.2 | 422.4  | 449.3  | 467.0  | 472.1  |
| 45°    | 38.3  | 46.9  | 148.1 | 206.9 | 352.0 | 392.7 | 400.1 | 412.7  | 441.3  | 458.4  | 463.0  |
| 47.5°  | 34.8  | 42.9  | 130.4 | 189.2 | 337.8 | 377.3 | 387.0 | 401.2  | 430.4  | 447.0  | 451.0  |
| 50°    | 32.0  | 38.9  | 112.6 | 170.3 | 322.4 | 360.7 | 372.1 | 387.0  | 416.7  | 432.1  | 437.2  |
| 52.5°  | 29.7  | 35.4  | 96.0  | 151.5 | 304.7 | 343.5 | 356.6 | 372.1  | 400.1  | 414.9  | 418.4  |
| 55°    | 27.4  | 32.5  | 81.7  | 131.5 | 286.4 | 325.2 | 339.5 | 354.3  | 381.8  | 394.4  | 396.7  |
| 57.5°  | 26.3  | 30.3  | 69.7  | 112.6 | 266.9 | 304.7 | 320.6 | 334.3  | 360.1  | 369.8  | 372.1  |
| 60°    | 24.5  | 28.5  | 60.6  | 96.6  | 245.8 | 285.2 | 299.0 | 312.7  | 334.3  | 342.3  | 344.1  |
| 62.5°  | 22.8  | 27.4  | 53.8  | 81.2  | 224.1 | 262.3 | 276.0 | 288.7  | 306.9  | 312.7  | 314.9  |
| 65°    | 21.7  | 26.3  | 48.6  | 69.7  | 201.8 | 238.3 | 252.0 | 262.9  | 277.8  | 283.5  | 284.7  |
| 67.5°  | 20.6  | 25.1  | 44.6  | 60.0  | 179.4 | 214.4 | 224.6 | 234.9  | 246.3  | 252.0  | 252.6  |
| 70°    | 18.8  | 24.0  | 41.2  | 53.2  | 156.6 | 186.9 | 195.4 | 206.4  | 215.5  | 218.4  | 220.1  |
| 72.5°  | 17.7  | 22.3  | 38.9  | 48.1  | 133.2 | 160.6 | 168.6 | 174.9  | 182.9  | 185.7  | 185.7  |
| 75°    | 16.0  | 20.0  | 36.6  | 42.9  | 109.1 | 131.5 | 138.3 | 144.6  | 150.9  | 152.0  | 150.3  |
| 77.5°  | 14.3  | 17.7  | 31.4  | 36.0  | 85.2  | 104.0 | 109.7 | 113.1  | 118.3  | 119.5  | 120.0  |
| 80°    | 12.0  | 15.4  | 24.5  | 28.0  | 61.8  | 76.6  | 80.6  | 83.4   | 88.0   | 88.0   | 89.2   |
| 82.5°  | 9.1   | 12.0  | 17.7  | 20.0  | 41.7  | 52.6  | 56.0  | 57.8   | 60.6   | 60.6   | 60.6   |
| 85°    | 5.7   | 7.4   | 11.4  | 13.1  | 25.1  | 32.0  | 34.3  | 34.8   | 37.1   | 37.7   | 37.7   |
| 87.5°  | 2.9   | 4.0   | 7.4   | 8.0   | 13.1  | 16.6  | 16.6  | 17.7   | 17.7   | 17.1   | 16.6   |
| 90°    | 4.4   | 7.9   | 11.5  | 12.4  | 19.4  | 28.8  | 33.5  | 29.7   | 22.3   | 16.8   | 16.8   |
| 92.5°  | 17.6  | 47.6  | 77.6  | 85.1  | 119.7 | 165.8 | 188.8 | 165.5  | 118.9  | 83.8   | 80.5   |
| 95°    | 42.3  | 97.2  | 152.2 | 165.9 | 294.5 | 466.0 | 551.8 | 492.5  | 373.7  | 284.6  | 274.4  |
| 97.5°  | 73.2  | 121.6 | 170.1 | 182.2 | 396.7 | 682.7 | 825.8 | 788.2  | 713.1  | 656.8  | 637.6  |
| 100°   | 97.0  | 141.0 | 184.9 | 195.9 | 433.9 | 751.3 | 910.0 | 912.7  | 918.3  | 922.4  | 899.5  |
| 102.5° | 117.3 | 158.3 | 199.3 | 209.5 | 451.0 | 772.9 | 933.9 | 981.8  | 1077.4 | 1149.2 | 1129.6 |
| 105°   | 151.7 | 186.5 | 221.2 | 229.9 | 463.7 | 775.4 | 931.2 | 1038.5 | 1253.0 | 1413.8 | 1403.2 |
| 107.5° | 187.0 | 219.4 | 251.8 | 259.9 | 466.0 | 740.9 | 878.3 | 1027.9 | 1327.1 | 1551.4 | 1554.0 |
| 110°   | 210.9 | 240.1 | 269.2 | 276.6 | 462.5 | 710.3 | 834.2 | 1001.4 | 1335.9 | 1586.8 | 1597.8 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°   | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 112.5° | 234.2 | 262.1 | 289.9 | 296.8 | 462.6 | 683.6 | 794.1 | 965.2 | 1307.6 | 1564.3 | 1581.1 |
| 115°   | 269.5 | 295.2 | 320.9 | 327.3 | 466.9 | 652.9 | 745.9 | 910.8 | 1240.6 | 1487.9 | 1511.3 |
| 117.5° | 304.4 | 327.8 | 351.1 | 356.9 | 475.6 | 633.8 | 712.9 | 861.6 | 1159.2 | 1382.5 | 1408.4 |
| 120°   | 324.7 | 346.7 | 368.7 | 374.1 | 482.7 | 627.3 | 699.7 | 835.6 | 1107.5 | 1311.5 | 1336.7 |
| 122.5° | 344.5 | 366.7 | 388.9 | 394.4 | 492.8 | 623.9 | 689.5 | 812.0 | 1056.8 | 1240.4 | 1265.3 |
| 125°   | 375.0 | 395.2 | 415.4 | 420.4 | 506.4 | 621.1 | 678.4 | 782.5 | 990.4  | 1146.5 | 1169.4 |
| 127.5° | 399.7 | 420.0 | 440.4 | 445.5 | 520.1 | 619.5 | 669.2 | 758.5 | 937.1  | 1071.0 | 1090.4 |
| 130°   | 412.9 | 434.9 | 456.8 | 462.3 | 530.1 | 620.5 | 665.7 | 745.2 | 904.1  | 1023.4 | 1041.2 |
| 132.5° | 426.6 | 448.6 | 470.6 | 476.0 | 538.2 | 621.1 | 662.6 | 733.7 | 876.1  | 982.9  | 998.8  |
| 135°   | 446.9 | 466.9 | 486.8 | 491.9 | 547.0 | 620.5 | 657.3 | 717.0 | 836.2  | 925.5  | 939.3  |
| 137.5° | 467.6 | 487.3 | 507.2 | 512.1 | 560.2 | 624.3 | 656.4 | 706.7 | 807.5  | 883.1  | 894.3  |
| 140°   | 484.8 | 503.0 | 521.3 | 525.9 | 568.4 | 625.0 | 653.3 | 696.9 | 783.9  | 849.2  | 859.8  |
| 142.5° | 498.0 | 514.9 | 531.7 | 536.0 | 575.1 | 627.2 | 653.3 | 691.6 | 768.0  | 825.3  | 834.4  |
| 145°   | 518.4 | 533.0 | 547.8 | 551.4 | 583.9 | 627.2 | 648.9 | 680.2 | 742.7  | 789.6  | 796.5  |
| 147.5° | 538.6 | 552.9 | 567.3 | 570.8 | 596.8 | 631.5 | 648.9 | 673.5 | 722.8  | 759.6  | 765.4  |
| 150°   | 551.8 | 564.8 | 577.7 | 581.0 | 603.6 | 633.8 | 648.9 | 669.7 | 711.2  | 742.4  | 747.0  |
| 152.5° | 565.6 | 575.4 | 585.2 | 587.6 | 608.1 | 635.3 | 648.9 | 666.6 | 702.1  | 728.7  | 732.2  |
| 155°   | 585.8 | 593.1 | 600.3 | 602.1 | 617.7 | 638.5 | 648.9 | 663.0 | 691.2  | 712.4  | 714.7  |
| 157.5° | 600.8 | 607.9 | 614.9 | 616.7 | 627.4 | 641.7 | 648.9 | 659.9 | 681.9  | 698.3  | 699.9  |
| 160°   | 611.0 | 616.4 | 622.0 | 623.3 | 631.8 | 643.2 | 648.9 | 658.3 | 677.1  | 691.2  | 692.2  |
| 162.5° | 621.1 | 625.2 | 629.4 | 630.4 | 636.5 | 644.8 | 648.9 | 656.8 | 672.7  | 684.7  | 685.5  |
| 165°   | 632.1 | 635.8 | 639.6 | 640.5 | 643.3 | 647.0 | 648.9 | 654.6 | 665.9  | 674.4  | 675.4  |
| 167.5° | 642.3 | 644.0 | 645.8 | 646.2 | 648.6 | 651.8 | 653.3 | 657.1 | 664.5  | 670.1  | 670.5  |
| 170°   | 648.9 | 650.7 | 652.5 | 652.9 | 653.1 | 653.2 | 653.3 | 657.1 | 664.5  | 670.1  | 670.1  |
| 172.5° | 652.5 | 652.8 | 653.2 | 653.3 | 653.3 | 653.3 | 653.3 | 656.2 | 662.1  | 666.5  | 666.2  |
| 175°   | 657.3 | 657.3 | 657.3 | 657.3 | 656.0 | 654.2 | 653.3 | 655.2 | 658.9  | 661.7  | 661.7  |
| 177.5° | 657.3 | 657.3 | 657.3 | 657.3 | 656.3 | 654.8 | 654.2 | 655.6 | 658.6  | 660.8  | 660.4  |
| 180°   | 657.3 | 657.3 | 657.3 | 657.3 | 657.3 | 657.3 | 657.3 | 657.3 | 657.3  | 657.3  | 657.3  |



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**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 177.7  | 177.7  |
| 2.5°   | 189.7  | 188.6  |
| 5°     | 244.1  | 245.2  |
| 7.5°   | 328.6  | 328.1  |
| 10°    | 408.7  | 413.8  |
| 12.5°  | 467.0  | 468.1  |
| 15°    | 502.4  | 504.7  |
| 17.5°  | 516.1  | 516.7  |
| 20°    | 516.7  | 515.5  |
| 22.5°  | 510.4  | 509.2  |
| 25°    | 503.0  | 502.4  |
| 27.5°  | 496.1  | 496.7  |
| 30°    | 493.2  | 495.0  |
| 32.5°  | 493.2  | 496.1  |
| 35°    | 494.4  | 497.2  |
| 37.5°  | 493.8  | 497.2  |
| 40°    | 491.5  | 495.5  |
| 42.5°  | 485.3  | 488.1  |
| 45°    | 475.5  | 479.0  |
| 47.5°  | 463.0  | 465.3  |
| 50°    | 447.0  | 449.3  |
| 52.5°  | 426.9  | 427.5  |
| 55°    | 403.0  | 405.2  |
| 57.5°  | 377.3  | 377.8  |
| 60°    | 348.6  | 350.3  |
| 62.5°  | 318.4  | 318.4  |
| 65°    | 286.4  | 287.5  |
| 67.5°  | 253.2  | 256.0  |
| 70°    | 219.5  | 220.1  |
| 72.5°  | 186.3  | 186.3  |
| 75°    | 152.0  | 152.6  |
| 77.5°  | 119.5  | 119.5  |
| 80°    | 88.6   | 89.2   |
| 82.5°  | 61.2   | 62.3   |
| 85°    | 38.3   | 38.3   |
| 87.5°  | 17.7   | 16.0   |
| 90°    | 16.8   | 16.8   |
| 92.5°  | 67.1   | 53.8   |
| 95°    | 234.0  | 193.7  |
| 97.5°  | 560.8  | 483.9  |
| 100°   | 808.0  | 716.4  |
| 102.5° | 1051.1 | 972.7  |
| 105°   | 1361.2 | 1319.0 |
| 107.5° | 1564.2 | 1574.4 |
| 110°   | 1641.6 | 1685.5 |





TEST NUMBER: P937870

CATALOG NUMBER: SQ4-FB-125U-050D-935-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 1648.5 | 1716.0 |
| 115°   | 1604.8 | 1698.4 |
| 117.5° | 1512.1 | 1615.8 |
| 120°   | 1437.4 | 1538.2 |
| 122.5° | 1364.6 | 1464.1 |
| 125°   | 1260.9 | 1352.5 |
| 127.5° | 1167.6 | 1244.9 |
| 130°   | 1112.6 | 1184.0 |
| 132.5° | 1062.7 | 1126.6 |
| 135°   | 994.4  | 1049.4 |
| 137.5° | 939.5  | 984.6  |
| 140°   | 901.8  | 944.0  |
| 142.5° | 870.7  | 907.0  |
| 145°   | 824.0  | 851.4  |
| 147.5° | 788.0  | 810.8  |
| 150°   | 765.5  | 783.9  |
| 152.5° | 746.1  | 760.1  |
| 155°   | 723.9  | 733.1  |
| 157.5° | 706.4  | 712.9  |
| 160°   | 695.9  | 699.7  |
| 162.5° | 689.1  | 692.6  |
| 165°   | 679.1  | 682.9  |
| 167.5° | 672.1  | 673.6  |
| 170°   | 670.1  | 670.1  |
| 172.5° | 664.8  | 663.5  |
| 175°   | 661.7  | 661.7  |
| 177.5° | 658.9  | 657.3  |
| 180°   | 657.3  | 657.3  |



TEST NUMBER: P937870  
 CATALOG NUMBER: SQ4-FB-125U-050D-935-1D-UNV-STD-W-4

**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 | 0.00             | 0.40  | 0.86  | 1.54  | 3.13  | 12.86          | 13.54 | 14.00 | 14.68 | 16.27 |
|                 | 3H   | 0.41             | 1.02  | 1.56  | 2.17  | 3.77  | 14.67          | 15.28 | 15.82 | 16.43 | 18.03 |
|                 | 4H   | 0.70             | 1.28  | 1.86  | 2.43  | 4.04  | 15.29          | 15.88 | 16.45 | 17.02 | 18.64 |
|                 | 6H   | 0.94             | 1.48  | 2.11  | 2.62  | 4.25  | 15.70          | 16.24 | 16.87 | 17.39 | 19.01 |
|                 | 8H   | 1.00             | 1.51  | 2.17  | 2.68  | 4.29  | 15.81          | 16.32 | 16.98 | 17.49 | 19.10 |
|                 | 12H  | 1.01             | 1.50  | 2.19  | 2.65  | 4.29  | 15.87          | 16.35 | 17.04 | 17.51 | 19.15 |
| 4H              | 2H   | 6.88             | 7.47  | 8.05  | 8.61  | 10.23 | 13.11          | 13.69 | 14.28 | 14.84 | 16.45 |
|                 | 3H   | 8.44             | 8.93  | 9.61  | 10.10 | 11.72 | 15.12          | 15.61 | 16.30 | 16.78 | 18.41 |
|                 | 4H   | 8.53             | 8.98  | 9.70  | 10.13 | 11.78 | 15.87          | 16.32 | 17.05 | 17.48 | 19.13 |
|                 | 6H   | 8.53             | 8.91  | 9.71  | 10.09 | 11.73 | 16.39          | 16.77 | 17.57 | 17.96 | 19.59 |
|                 | 8H   | 8.50             | 8.86  | 9.68  | 10.03 | 11.68 | 16.54          | 16.90 | 17.72 | 18.07 | 19.72 |
|                 | 12H  | 8.45             | 8.77  | 9.64  | 9.96  | 11.61 | 16.62          | 16.94 | 17.81 | 18.13 | 19.78 |
| 8H              | 4H   | 9.94             | 10.30 | 11.12 | 11.48 | 13.13 | 15.92          | 16.28 | 17.10 | 17.45 | 19.10 |
|                 | 6H   | 10.18            | 10.48 | 11.38 | 11.69 | 13.34 | 16.53          | 16.82 | 17.73 | 18.04 | 19.69 |
|                 | 8H   | 10.19            | 10.45 | 11.40 | 11.65 | 13.31 | 16.74          | 17.00 | 17.94 | 18.19 | 19.86 |
|                 | 12H  | 10.15            | 10.38 | 11.36 | 11.57 | 13.27 | 16.86          | 17.09 | 18.07 | 18.28 | 19.98 |
| 12H             | 4H   | 10.08            | 10.40 | 11.27 | 11.59 | 13.24 | 15.86          | 16.19 | 17.06 | 17.37 | 19.03 |
|                 | 6H   | 10.43            | 10.69 | 11.64 | 11.88 | 13.55 | 16.51          | 16.77 | 17.71 | 17.96 | 19.63 |
|                 | 8H   | 10.49            | 10.72 | 11.70 | 11.91 | 13.61 | 16.72          | 16.95 | 17.93 | 18.14 | 19.84 |