

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: P1191349

Luminaire Tested: SQ2-FA-125U-050D-L840-UNV-STD-W-4

Issue Date: 9/23/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1191349  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-9, G2-2502-345-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/23/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2-FA-125U-050D-L840-UNV-STD-W-4  
Description: CORELITE SQ2 LED LUMINAIRE  
FROSTED CONTINUOUS ASYMMETRIC ROLL LENS  
DOWNLIGHT 500 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

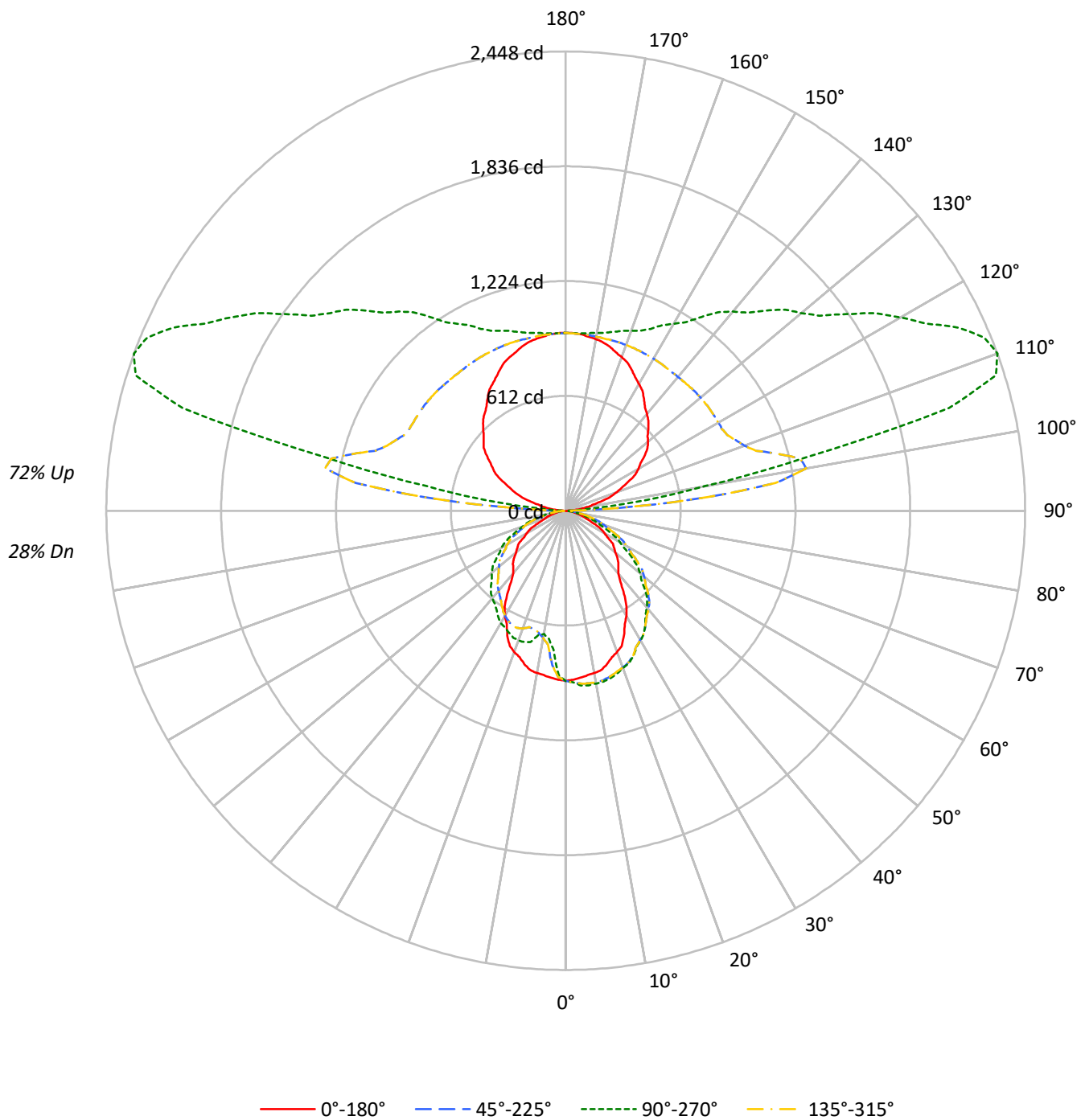
Lumens per Lamp: N/A  
Luminaire Lumens: 8099.1 lumens  
Efficiency: N/A  
Efficacy: 131.3 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 61.7  
Input Voltage (V): 120  
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: P1191349

CATALOG NUMBER: SQ2-FA-125U-050D-L840-UNV-STD-W-4

### Luminous Intensity Polar Plot



TEST NUMBER: P1191349

CATALOG NUMBER: SQ2-FA-125U-050D-L840-UNV-STD-W-4

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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    | 20 |
| RC  | 80  |     |     |     | 70 |    |    |    | 50 |    |    |    | 30 |    |    |    | 0  |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 102 | 102 | 102 | 102 | 91 | 91 | 91 | 91 | 71 | 71 | 71 | 53 | 53 | 53 | 36 | 36 | 36 |
| 1   | 93  | 89  | 85  | 82  | 83 | 80 | 76 | 74 | 62 | 60 | 58 | 46 | 45 | 44 | 32 | 31 | 30 |
| 2   | 85  | 77  | 72  | 67  | 75 | 69 | 65 | 60 | 55 | 51 | 48 | 41 | 39 | 37 | 28 | 27 | 26 |
| 3   | 77  | 68  | 61  | 55  | 69 | 61 | 55 | 50 | 48 | 44 | 40 | 36 | 33 | 31 | 25 | 23 | 22 |
| 4   | 70  | 60  | 53  | 47  | 63 | 54 | 48 | 43 | 43 | 38 | 34 | 32 | 29 | 26 | 22 | 20 | 19 |
| 5   | 65  | 53  | 46  | 40  | 57 | 48 | 41 | 36 | 38 | 33 | 29 | 29 | 25 | 23 | 20 | 18 | 16 |
| 6   | 59  | 48  | 40  | 34  | 53 | 43 | 36 | 31 | 34 | 29 | 26 | 26 | 22 | 20 | 18 | 16 | 14 |
| 7   | 55  | 43  | 35  | 30  | 49 | 39 | 32 | 27 | 31 | 26 | 22 | 23 | 20 | 17 | 16 | 14 | 13 |
| 8   | 51  | 39  | 31  | 26  | 45 | 35 | 29 | 24 | 28 | 23 | 20 | 21 | 18 | 15 | 15 | 13 | 11 |
| 9   | 47  | 35  | 28  | 23  | 42 | 32 | 26 | 21 | 26 | 21 | 18 | 19 | 16 | 14 | 14 | 12 | 10 |
| 10  | 44  | 32  | 25  | 21  | 39 | 29 | 23 | 19 | 23 | 19 | 16 | 18 | 15 | 12 | 13 | 11 | 9  |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 14648 | 14648 | 14648 | 14648 |
| 5°  | 14475 | 15159 | 14475 | 12081 |
| 10° | 14411 | 15334 | 14411 | 10953 |
| 15° | 14165 | 15457 | 14165 | 12107 |
| 20° | 13775 | 15345 | 13775 | 12627 |
| 25° | 13092 | 15221 | 13092 | 12779 |
| 30° | 12062 | 14881 | 12062 | 12914 |
| 35° | 10673 | 14554 | 10673 | 12684 |
| 40° | 9190  | 14155 | 9190  | 12821 |
| 45° | 9072  | 13648 | 9072  | 12846 |
| 50° | 8656  | 12984 | 8656  | 12896 |
| 55° | 8611  | 11978 | 8611  | 12769 |
| 60° | 7721  | 10672 | 7721  | 12716 |
| 65° | 6583  | 9402  | 6583  | 12359 |
| 70° | 5311  | 7969  | 5311  | 11452 |
| 75° | 4604  | 6581  | 4604  | 10530 |
| 80° | 3924  | 4900  | 3924  | 8498  |
| 85° | 2612  | 2612  | 2612  | 5206  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 14129 cd/sqm

TEST NUMBER: P1191349

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 81.6   | 1.0       |
| 10°-20°   | 228.1  | 2.8       |
| 20°-30°   | 346.4  | 4.3       |
| 30°-40°   | 406.6  | 5.0       |
| 40°-50°   | 412.6  | 5.1       |
| 50°-60°   | 361.5  | 4.5       |
| 60°-70°   | 256.4  | 3.2       |
| 70°-80°   | 132.0  | 1.6       |
| 80°-90°   | 28.8   | 0.4       |
| 90°-100°  | 362.4  | 4.5       |
| 100°-110° | 1179.8 | 14.6      |
| 110°-120° | 1167.1 | 14.4      |
| 120°-130° | 953.7  | 11.8      |
| 130°-140° | 779.5  | 9.6       |
| 140°-150° | 607.1  | 7.5       |
| 150°-160° | 437.6  | 5.4       |
| 160°-170° | 267.5  | 3.3       |
| 170°-180° | 90.3   | 1.1       |
| 0°-30°    | 656.1  | 8.1       |
| 0°-40°    | 1062.7 | 13.1      |
| 0°-60°    | 1836.8 | 22.7      |
| 0°-90°    | 2254.0 | 27.8      |
| 90°-120°  | 2709.3 | 33.5      |
| 90°-150°  | 5049.7 | 62.3      |
| 90°-180°  | 5845.0 | 72.2      |
| 0°-180°   | 8099.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 90°  | 180° | 270° | 360° | Flux |
|------|-----|------|------|------|------|------|
| 0°   | 907 | 907  | 907  | 907  | 907  |      |
| 5°   | 893 | 935  | 893  | 745  | 893  | 85   |
| 15°  | 847 | 925  | 847  | 724  | 847  | 238  |
| 25°  | 735 | 854  | 735  | 717  | 735  | 335  |
| 35°  | 542 | 738  | 542  | 644  | 542  | 337  |
| 45°  | 397 | 598  | 397  | 563  | 397  | 304  |
| 55°  | 306 | 426  | 306  | 454  | 306  | 265  |
| 65°  | 172 | 246  | 172  | 324  | 172  | 172  |
| 75°  | 74  | 106  | 74   | 169  | 74   | 80   |
| 85°  | 14  | 14   | 14   | 28   | 14   | 18   |
| 90°  | 0   | 7    | 0    | 7    | 0    | 3    |
| 95°  | 49  | 146  | 49   | 146  | 49   | 57   |
| 105° | 200 | 2114 | 200  | 2114 | 200  | 214  |
| 115° | 371 | 2308 | 371  | 2308 | 371  | 367  |
| 125° | 515 | 1826 | 515  | 1826 | 515  | 458  |
| 135° | 622 | 1508 | 622  | 1508 | 622  | 481  |
| 145° | 727 | 1261 | 727  | 1261 | 727  | 455  |
| 155° | 830 | 1070 | 830  | 1070 | 830  | 382  |
| 165° | 905 | 987  | 905  | 987  | 905  | 255  |
| 175° | 944 | 948  | 944  | 948  | 944  | 90   |
| 180° | 947 | 947  | 947  | 947  | 947  |      |

TEST NUMBER: P1191349

CATALOG NUMBER: SQ2-FA-125U-050D-L840-UNV-STD-W-4

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 22.5° | 45°    | 67.5°  | 90°    | 112.5° | 135°   | 157.5° | 180°  | 202.5° | 225°   |
|--------|-------|-------|--------|--------|--------|--------|--------|--------|-------|--------|--------|
| 0°     | 907.2 | 907.2 | 907.2  | 907.2  | 907.2  | 907.2  | 907.2  | 907.2  | 907.2 | 907.2  | 907.2  |
| 2.5°   | 901.5 | 915.3 | 915.6  | 915.6  | 915.6  | 915.6  | 915.6  | 915.3  | 901.5 | 901.5  | 887.5  |
| 5°     | 893.1 | 917.2 | 924.7  | 928.4  | 935.3  | 928.4  | 924.7  | 917.2  | 893.1 | 882.8  | 826.3  |
| 7.5°   | 884.7 | 917.0 | 928.3  | 934.7  | 938.1  | 934.7  | 928.3  | 917.0  | 884.7 | 838.6  | 720.1  |
| 10°    | 879.0 | 916.9 | 928.3  | 931.9  | 935.3  | 931.9  | 928.3  | 916.9  | 879.0 | 786.2  | 689.2  |
| 12.5°  | 870.6 | 911.2 | 925.5  | 929.0  | 932.5  | 929.0  | 925.5  | 911.2  | 870.6 | 739.3  | 666.7  |
| 15°    | 847.4 | 902.4 | 914.2  | 921.3  | 924.7  | 921.3  | 914.2  | 902.4  | 847.4 | 699.6  | 650.5  |
| 17.5°  | 818.6 | 885.3 | 900.8  | 907.2  | 910.0  | 907.2  | 900.8  | 885.3  | 818.6 | 663.9  | 651.2  |
| 20°    | 801.7 | 873.9 | 889.6  | 893.1  | 893.1  | 889.6  | 873.9  | 801.7  | 647.0 | 647.0  | 668.1  |
| 22.5°  | 779.2 | 859.6 | 875.5  | 876.3  | 879.0  | 876.3  | 875.5  | 859.6  | 779.2 | 627.2  | 676.5  |
| 25°    | 734.9 | 827.7 | 850.9  | 847.6  | 854.4  | 847.6  | 850.9  | 827.7  | 734.9 | 600.8  | 675.1  |
| 27.5°  | 680.7 | 797.6 | 814.3  | 817.9  | 817.9  | 814.3  | 797.6  | 680.7  | 574.8 | 574.8  | 661.0  |
| 30°    | 647.0 | 777.6 | 794.7  | 798.2  | 798.2  | 794.7  | 777.6  | 647.0  | 557.6 | 557.6  | 647.0  |
| 32.5°  | 604.8 | 760.2 | 775.0  | 775.7  | 775.7  | 775.0  | 760.2  | 604.8  | 540.1 | 540.1  | 624.5  |
| 35°    | 541.5 | 730.6 | 741.9  | 741.8  | 738.4  | 741.8  | 741.9  | 730.6  | 541.5 | 514.0  | 597.7  |
| 37.5°  | 478.2 | 692.7 | 708.2  | 703.2  | 699.7  | 703.2  | 708.2  | 692.7  | 478.2 | 487.1  | 575.2  |
| 40°    | 436.0 | 669.8 | 685.7  | 675.0  | 671.6  | 675.0  | 685.7  | 669.8  | 436.0 | 466.9  | 555.6  |
| 42.5°  | 413.5 | 644.5 | 660.3  | 646.9  | 643.5  | 646.9  | 660.3  | 644.5  | 413.5 | 447.2  | 538.7  |
| 45°    | 397.3 | 603.6 | 618.8  | 604.6  | 597.7  | 604.6  | 618.8  | 603.6  | 397.3 | 418.0  | 509.8  |
| 47.5°  | 372.7 | 554.2 | 575.9  | 554.7  | 547.8  | 554.7  | 575.9  | 554.2  | 372.7 | 387.8  | 483.8  |
| 50°    | 344.6 | 523.4 | 545.0  | 523.8  | 516.9  | 523.8  | 545.0  | 523.4  | 344.6 | 365.2  | 464.1  |
| 52.5°  | 324.9 | 492.7 | 511.2  | 487.2  | 480.3  | 487.2  | 511.2  | 492.7  | 324.9 | 337.3  | 447.3  |
| 55°    | 305.9 | 446.9 | 460.6  | 435.8  | 425.5  | 435.8  | 460.6  | 446.9  | 305.9 | 295.6  | 414.9  |
| 57.5°  | 261.6 | 395.7 | 410.0  | 381.6  | 369.9  | 381.6  | 410.0  | 395.7  | 261.6 | 252.7  | 381.2  |
| 60°    | 239.1 | 359.4 | 376.2  | 347.7  | 330.5  | 347.7  | 376.2  | 359.4  | 239.1 | 221.9  | 358.6  |
| 62.5°  | 213.8 | 320.4 | 342.5  | 314.0  | 296.8  | 314.0  | 342.5  | 320.4  | 213.8 | 202.1  | 333.3  |
| 65°    | 172.3 | 265.1 | 291.8  | 263.3  | 246.1  | 263.3  | 291.8  | 265.1  | 172.3 | 179.2  | 291.8  |
| 67.5°  | 135.0 | 214.8 | 244.7  | 213.5  | 199.7  | 213.5  | 244.7  | 214.8  | 135.0 | 157.7  | 253.9  |
| 70°    | 112.5 | 181.3 | 211.0  | 182.5  | 168.8  | 182.5  | 211.0  | 181.3  | 112.5 | 143.5  | 228.6  |
| 72.5°  | 98.5  | 150.7 | 182.8  | 151.6  | 140.6  | 151.6  | 182.8  | 150.7  | 98.5  | 129.4  | 197.6  |
| 75°    | 73.8  | 104.8 | 140.6  | 112.4  | 105.5  | 112.4  | 140.6  | 104.8  | 73.8  | 104.8  | 154.7  |
| 77.5°  | 53.4  | 67.9  | 99.2   | 75.2   | 72.4   | 75.2   | 99.2   | 67.9   | 53.4  | 78.9   | 112.5  |
| 80°    | 42.2  | 45.6  | 73.8   | 52.7   | 52.7   | 52.7   | 73.8   | 45.6   | 42.2  | 59.4   | 84.4   |
| 82.5°  | 28.1  | 31.6  | 51.3   | 35.8   | 33.1   | 35.8   | 51.3   | 31.6   | 28.1  | 42.6   | 59.1   |
| 85°    | 14.1  | 14.1  | 21.1   | 14.1   | 14.1   | 14.1   | 21.1   | 14.1   | 14.1  | 20.9   | 28.1   |
| 87.5°  | 2.8   | 3.5   | 7.3    | 4.2    | 4.2    | 4.2    | 7.3    | 3.5    | 2.8   | 6.2    | 7.3    |
| 90°    | 0.0   | 3.4   | 8.2    | 7.0    | 7.0    | 7.0    | 8.2    | 3.4    | 0.0   | 3.4    | 8.2    |
| 92.5°  | 16.8  | 60.3  | 192.7  | 63.5   | 48.9   | 63.5   | 192.7  | 60.3   | 16.8  | 60.3   | 192.7  |
| 95°    | 48.9  | 149.2 | 664.2  | 236.8  | 145.7  | 236.8  | 664.2  | 149.2  | 48.9  | 149.2  | 664.2  |
| 97.5°  | 92.1  | 194.1 | 1127.3 | 686.6  | 419.0  | 686.6  | 1127.3 | 194.1  | 92.1  | 194.1  | 1127.3 |
| 100°   | 120.0 | 220.3 | 1301.6 | 1160.7 | 752.8  | 1160.7 | 1301.6 | 220.3  | 120.0 | 220.3  | 1301.6 |
| 102.5° | 151.7 | 248.3 | 1280.2 | 1717.1 | 1305.6 | 1717.1 | 1280.2 | 248.3  | 151.7 | 248.3  | 1280.2 |
| 105°   | 200.4 | 289.3 | 1168.8 | 2232.3 | 2113.8 | 2232.3 | 1168.8 | 289.3  | 200.4 | 289.3  | 1168.8 |
| 107.5° | 253.1 | 336.7 | 1063.0 | 2277.0 | 2402.5 | 2277.0 | 1063.0 | 336.7  | 253.1 | 336.7  | 1063.0 |
| 110°   | 291.3 | 367.7 | 1012.6 | 2221.5 | 2448.2 | 2221.5 | 1012.6 | 367.7  | 291.3 | 367.7  | 1012.6 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 22.5° | 45°   | 67.5°  | 90°    | 112.5° | 135°  | 157.5° | 180°  | 202.5° | 225°  |
|--------|-------|-------|-------|--------|--------|--------|-------|--------|-------|--------|-------|
| 112.5° | 323.0 | 398.4 | 980.9 | 2121.4 | 2413.7 | 2121.4 | 980.9 | 398.4  | 323.0 | 398.4  | 980.9 |
| 115°   | 370.6 | 442.3 | 952.0 | 1962.0 | 2308.4 | 1962.0 | 952.0 | 442.3  | 370.6 | 442.3  | 952.0 |
| 117.5° | 419.5 | 484.2 | 940.8 | 1816.1 | 2160.9 | 1816.1 | 940.8 | 484.2  | 419.5 | 484.2  | 940.8 |
| 120°   | 447.5 | 511.3 | 938.0 | 1726.4 | 2060.2 | 1726.4 | 938.0 | 511.3  | 447.5 | 511.3  | 938.0 |
| 122.5° | 474.5 | 537.4 | 939.0 | 1648.5 | 1959.5 | 1648.5 | 939.0 | 537.4  | 474.5 | 537.4  | 939.0 |
| 125°   | 515.0 | 574.3 | 939.2 | 1549.1 | 1826.0 | 1549.1 | 939.2 | 574.3  | 515.0 | 574.3  | 939.2 |
| 127.5° | 549.8 | 610.4 | 939.0 | 1474.6 | 1705.5 | 1474.6 | 939.0 | 610.4  | 549.8 | 610.4  | 939.0 |
| 130°   | 572.1 | 633.7 | 938.0 | 1432.1 | 1638.4 | 1432.1 | 938.0 | 633.7  | 572.1 | 633.7  | 938.0 |
| 132.5° | 591.7 | 656.0 | 937.1 | 1392.7 | 1586.2 | 1392.7 | 937.1 | 656.0  | 591.7 | 656.0  | 937.1 |
| 135°   | 622.3 | 687.2 | 934.5 | 1337.0 | 1507.9 | 1337.0 | 934.5 | 687.2  | 622.3 | 687.2  | 934.5 |
| 137.5° | 652.1 | 717.5 | 932.0 | 1280.3 | 1432.1 | 1280.3 | 932.0 | 717.5  | 652.1 | 717.5  | 932.0 |
| 140°   | 673.5 | 736.2 | 931.0 | 1241.9 | 1385.5 | 1241.9 | 931.0 | 736.2  | 673.5 | 736.2  | 931.0 |
| 142.5° | 694.0 | 754.0 | 931.0 | 1205.2 | 1333.3 | 1205.2 | 931.0 | 754.0  | 694.0 | 754.0  | 931.0 |
| 145°   | 727.1 | 780.7 | 932.2 | 1151.4 | 1260.8 | 1151.4 | 932.2 | 780.7  | 727.1 | 780.7  | 932.2 |
| 147.5° | 759.3 | 805.8 | 933.8 | 1105.7 | 1190.2 | 1105.7 | 933.8 | 805.8  | 759.3 | 805.8  | 933.8 |
| 150°   | 780.7 | 821.7 | 935.7 | 1078.3 | 1150.1 | 1078.3 | 935.7 | 821.7  | 780.7 | 821.7  | 935.7 |
| 152.5° | 802.2 | 835.9 | 936.6 | 1057.5 | 1114.7 | 1057.5 | 936.6 | 835.9  | 802.2 | 835.9  | 936.6 |
| 155°   | 829.7 | 857.0 | 938.0 | 1031.0 | 1069.7 | 1031.0 | 938.0 | 857.0  | 829.7 | 857.0  | 938.0 |
| 157.5° | 855.8 | 875.4 | 939.4 | 1011.4 | 1038.5 | 1011.4 | 939.4 | 875.4  | 855.8 | 875.4  | 939.4 |
| 160°   | 871.6 | 887.6 | 940.4 | 999.1  | 1020.8 | 999.1  | 940.4 | 887.6  | 871.6 | 887.6  | 940.4 |
| 162.5° | 885.6 | 897.9 | 940.4 | 988.7  | 1004.9 | 988.7  | 940.4 | 897.9  | 885.6 | 897.9  | 940.4 |
| 165°   | 905.4 | 913.4 | 940.4 | 975.6  | 987.0  | 975.6  | 940.4 | 913.4  | 905.4 | 913.4  | 940.4 |
| 167.5° | 919.4 | 924.4 | 940.6 | 965.7  | 971.6  | 965.7  | 940.6 | 924.4  | 919.4 | 924.4  | 940.6 |
| 170°   | 928.7 | 931.0 | 941.5 | 959.1  | 961.3  | 959.1  | 941.5 | 931.0  | 928.7 | 931.0  | 941.5 |
| 172.5° | 935.2 | 936.6 | 943.4 | 955.3  | 954.8  | 955.3  | 943.4 | 936.6  | 935.2 | 936.6  | 943.4 |
| 175°   | 943.9 | 943.9 | 943.9 | 950.8  | 948.5  | 950.8  | 943.9 | 943.9  | 943.9 | 943.9  | 943.9 |
| 177.5° | 947.4 | 946.5 | 945.5 | 950.1  | 946.4  | 950.1  | 945.5 | 946.5  | 947.4 | 946.5  | 945.5 |
| 180°   | 947.4 | 947.4 | 947.4 | 947.4  | 947.4  | 947.4  | 947.4 | 947.4  | 947.4 | 947.4  | 947.4 |

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CATALOG NUMBER: SQ2-FA-125U-050D-L840-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 270°   | 292.5° | 315°   | 337.5° | 360°  |
|--------|--------|--------|--------|--------|--------|-------|
| 0°     | 907.2  | 907.2  | 907.2  | 907.2  | 907.2  | 907.2 |
| 2.5°   | 879.0  | 876.2  | 879.0  | 887.5  | 901.5  | 901.5 |
| 5°     | 762.6  | 745.4  | 762.6  | 826.3  | 882.8  | 893.1 |
| 7.5°   | 693.3  | 687.8  | 693.3  | 720.1  | 838.6  | 884.7 |
| 10°    | 668.1  | 668.1  | 668.1  | 689.2  | 786.2  | 879.0 |
| 12.5°  | 665.6  | 679.3  | 665.6  | 666.7  | 739.3  | 870.6 |
| 15°    | 707.1  | 724.3  | 707.1  | 650.5  | 699.6  | 847.4 |
| 17.5°  | 721.1  | 734.9  | 721.1  | 651.2  | 663.9  | 818.6 |
| 20°    | 721.1  | 734.9  | 721.1  | 668.1  | 647.0  | 801.7 |
| 22.5°  | 718.3  | 732.1  | 718.3  | 676.5  | 627.2  | 779.2 |
| 25°    | 710.4  | 717.3  | 710.4  | 675.1  | 600.8  | 734.9 |
| 27.5°  | 696.3  | 701.1  | 696.3  | 661.0  | 574.8  | 680.7 |
| 30°    | 682.4  | 692.7  | 682.4  | 647.0  | 557.6  | 647.0 |
| 32.5°  | 668.1  | 670.2  | 668.1  | 624.5  | 540.1  | 604.8 |
| 35°    | 646.9  | 643.5  | 646.9  | 597.7  | 514.0  | 541.5 |
| 37.5°  | 618.2  | 622.4  | 618.2  | 575.2  | 487.1  | 478.2 |
| 40°    | 601.4  | 608.3  | 601.4  | 555.6  | 466.9  | 436.0 |
| 42.5°  | 584.5  | 591.4  | 584.5  | 538.7  | 447.2  | 413.5 |
| 45°    | 559.1  | 562.6  | 559.1  | 509.8  | 418.0  | 397.3 |
| 47.5°  | 529.6  | 533.0  | 529.6  | 483.8  | 387.8  | 372.7 |
| 50°    | 509.9  | 513.4  | 509.9  | 464.1  | 365.2  | 344.6 |
| 52.5°  | 487.4  | 490.9  | 487.4  | 447.3  | 337.3  | 324.9 |
| 55°    | 453.6  | 453.6  | 453.6  | 414.9  | 295.6  | 305.9 |
| 57.5°  | 415.0  | 419.1  | 415.0  | 381.2  | 252.7  | 261.6 |
| 60°    | 386.9  | 393.8  | 386.9  | 358.6  | 221.9  | 239.1 |
| 62.5°  | 361.6  | 365.7  | 361.6  | 333.3  | 202.1  | 213.8 |
| 65°    | 320.0  | 323.5  | 320.0  | 291.8  | 179.2  | 172.3 |
| 67.5°  | 273.6  | 276.4  | 273.6  | 253.9  | 157.7  | 135.0 |
| 70°    | 242.6  | 242.6  | 242.6  | 228.6  | 143.5  | 112.5 |
| 72.5°  | 211.7  | 214.5  | 211.7  | 197.6  | 129.4  | 98.5  |
| 75°    | 165.3  | 168.8  | 165.3  | 154.7  | 104.8  | 73.8  |
| 77.5°  | 118.9  | 122.4  | 118.9  | 112.5  | 78.9   | 53.4  |
| 80°    | 88.0   | 91.4   | 88.0   | 84.4   | 59.4   | 42.2  |
| 82.5°  | 62.6   | 63.3   | 62.6   | 59.1   | 42.6   | 28.1  |
| 85°    | 28.1   | 28.1   | 28.1   | 28.1   | 20.9   | 14.1  |
| 87.5°  | 7.0    | 7.0    | 7.0    | 7.3    | 6.2    | 2.8   |
| 90°    | 7.0    | 7.0    | 7.0    | 8.2    | 3.4    | 0.0   |
| 92.5°  | 63.5   | 48.9   | 63.5   | 192.7  | 60.3   | 16.8  |
| 95°    | 236.8  | 145.7  | 236.8  | 664.2  | 149.2  | 48.9  |
| 97.5°  | 686.6  | 419.0  | 686.6  | 1127.3 | 194.1  | 92.1  |
| 100°   | 1160.7 | 752.8  | 1160.7 | 1301.6 | 220.3  | 120.0 |
| 102.5° | 1717.1 | 1305.6 | 1717.1 | 1280.2 | 248.3  | 151.7 |
| 105°   | 2232.3 | 2113.8 | 2232.3 | 1168.8 | 289.3  | 200.4 |
| 107.5° | 2277.0 | 2402.5 | 2277.0 | 1063.0 | 336.7  | 253.1 |
| 110°   | 2221.5 | 2448.2 | 2221.5 | 1012.6 | 367.7  | 291.3 |

TEST NUMBER: P1191349

CATALOG NUMBER: SQ2-FA-125U-050D-L840-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 270°   | 292.5° | 315°  | 337.5° | 360°  |
|--------|--------|--------|--------|-------|--------|-------|
| 112.5° | 2121.4 | 2413.7 | 2121.4 | 980.9 | 398.4  | 323.0 |
| 115°   | 1962.0 | 2308.4 | 1962.0 | 952.0 | 442.3  | 370.6 |
| 117.5° | 1816.1 | 2160.9 | 1816.1 | 940.8 | 484.2  | 419.5 |
| 120°   | 1726.4 | 2060.2 | 1726.4 | 938.0 | 511.3  | 447.5 |
| 122.5° | 1648.5 | 1959.5 | 1648.5 | 939.0 | 537.4  | 474.5 |
| 125°   | 1549.1 | 1826.0 | 1549.1 | 939.2 | 574.3  | 515.0 |
| 127.5° | 1474.6 | 1705.5 | 1474.6 | 939.0 | 610.4  | 549.8 |
| 130°   | 1432.1 | 1638.4 | 1432.1 | 938.0 | 633.7  | 572.1 |
| 132.5° | 1392.7 | 1586.2 | 1392.7 | 937.1 | 656.0  | 591.7 |
| 135°   | 1337.0 | 1507.9 | 1337.0 | 934.5 | 687.2  | 622.3 |
| 137.5° | 1280.3 | 1432.1 | 1280.3 | 932.0 | 717.5  | 652.1 |
| 140°   | 1241.9 | 1385.5 | 1241.9 | 931.0 | 736.2  | 673.5 |
| 142.5° | 1205.2 | 1333.3 | 1205.2 | 931.0 | 754.0  | 694.0 |
| 145°   | 1151.4 | 1260.8 | 1151.4 | 932.2 | 780.7  | 727.1 |
| 147.5° | 1105.7 | 1190.2 | 1105.7 | 933.8 | 805.8  | 759.3 |
| 150°   | 1078.3 | 1150.1 | 1078.3 | 935.7 | 821.7  | 780.7 |
| 152.5° | 1057.5 | 1114.7 | 1057.5 | 936.6 | 835.9  | 802.2 |
| 155°   | 1031.0 | 1069.7 | 1031.0 | 938.0 | 857.0  | 829.7 |
| 157.5° | 1011.4 | 1038.5 | 1011.4 | 939.4 | 875.4  | 855.8 |
| 160°   | 999.1  | 1020.8 | 999.1  | 940.4 | 887.6  | 871.6 |
| 162.5° | 988.7  | 1004.9 | 988.7  | 940.4 | 897.9  | 885.6 |
| 165°   | 975.6  | 987.0  | 975.6  | 940.4 | 913.4  | 905.4 |
| 167.5° | 965.7  | 971.6  | 965.7  | 940.6 | 924.4  | 919.4 |
| 170°   | 959.1  | 961.3  | 959.1  | 941.5 | 931.0  | 928.7 |
| 172.5° | 955.3  | 954.8  | 955.3  | 943.4 | 936.6  | 935.2 |
| 175°   | 950.8  | 948.5  | 950.8  | 943.9 | 943.9  | 943.9 |
| 177.5° | 950.1  | 946.4  | 950.1  | 945.5 | 946.5  | 947.4 |
| 180°   | 947.4  | 947.4  | 947.4  | 947.4 | 947.4  | 947.4 |

TEST NUMBER: P1191349

CATALOG NUMBER: SQ2-FA-125U-050D-L840-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 | 13.16            | 13.85 | 14.29 | 14.97 | 16.53 | 14.38          | 15.08 | 15.51 | 16.19 | 17.75 |
|                 | 3H   | 14.24            | 14.85 | 15.37 | 15.98 | 17.55 | 15.61          | 16.23 | 16.75 | 17.36 | 18.93 |
|                 | 4H   | 14.58            | 15.17 | 15.73 | 16.30 | 17.87 | 16.00          | 16.58 | 17.14 | 17.71 | 19.29 |
|                 | 6H   | 14.73            | 15.27 | 15.89 | 16.40 | 17.99 | 16.15          | 16.69 | 17.30 | 17.82 | 19.41 |
|                 | 8H   | 14.76            | 15.28 | 15.92 | 16.42 | 18.00 | 16.17          | 16.68 | 17.32 | 17.83 | 19.41 |
|                 | 12H  | 14.75            | 15.24 | 15.91 | 16.38 | 17.99 | 16.15          | 16.63 | 17.31 | 17.77 | 19.38 |
| 4H              | 2H   | 14.07            | 14.65 | 15.22 | 15.78 | 17.36 | 14.98          | 15.56 | 16.13 | 16.69 | 18.27 |
|                 | 3H   | 15.42            | 15.91 | 16.58 | 17.06 | 18.65 | 16.41          | 16.90 | 17.57 | 18.06 | 19.65 |
|                 | 4H   | 15.86            | 16.31 | 17.02 | 17.45 | 19.06 | 16.87          | 17.32 | 18.03 | 18.46 | 20.07 |
|                 | 6H   | 16.07            | 16.46 | 17.24 | 17.62 | 19.22 | 17.08          | 17.47 | 18.25 | 18.63 | 20.23 |
|                 | 8H   | 16.13            | 16.49 | 17.29 | 17.64 | 19.26 | 17.13          | 17.49 | 18.29 | 18.64 | 20.26 |
|                 | 12H  | 16.12            | 16.45 | 17.30 | 17.61 | 19.23 | 17.11          | 17.43 | 18.29 | 18.60 | 20.22 |
| 8H              | 4H   | 16.24            | 16.60 | 17.41 | 17.76 | 19.37 | 17.07          | 17.43 | 18.23 | 18.58 | 20.20 |
|                 | 6H   | 16.58            | 16.88 | 17.76 | 18.07 | 19.69 | 17.37          | 17.67 | 18.56 | 18.87 | 20.48 |
|                 | 8H   | 16.69            | 16.95 | 17.88 | 18.13 | 19.76 | 17.46          | 17.72 | 18.65 | 18.90 | 20.53 |
|                 | 12H  | 16.72            | 16.95 | 17.92 | 18.12 | 19.79 | 17.47          | 17.70 | 18.66 | 18.87 | 20.54 |
| 12H             | 4H   | 16.24            | 16.56 | 17.42 | 17.73 | 19.35 | 17.03          | 17.35 | 18.21 | 18.52 | 20.14 |
|                 | 6H   | 16.65            | 16.91 | 17.84 | 18.09 | 19.72 | 17.39          | 17.65 | 18.58 | 18.83 | 20.46 |
|                 | 8H   | 16.79            | 17.01 | 17.98 | 18.19 | 19.85 | 17.49          | 17.72 | 18.69 | 18.90 | 20.56 |

END OF REPORT

FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

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