

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: P937880

Luminaire Tested: SQ4-FB-125U-050D-B2750-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P937880  
REPORT IS A COMBINATION OF REPORTS P933589 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-125U-050D-B2750-1D-UNV-STD-W-12-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

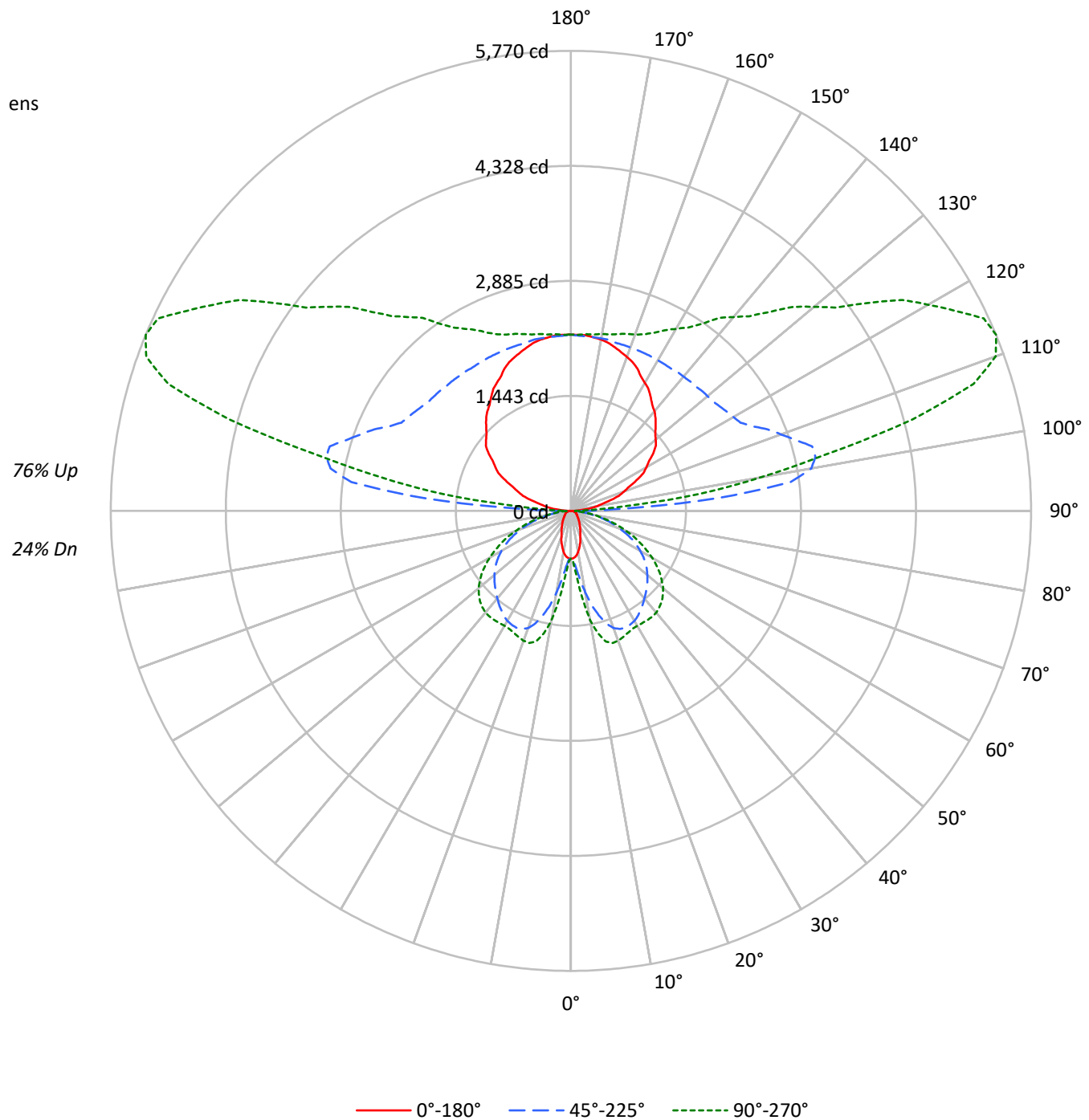
Lumens per Lamp: N/A  
Luminaire Lumens: 18959.6 lumens  
Efficiency: N/A  
Efficacy: 132.8 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: Semi-Indirect

Input Watts (W): 142.8  
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: P937880

CATALOG NUMBER: SQ4-FB-125U-050D-B2750-1D-UNV-STD-W-12-4000K

### Luminous Intensity Polar Plot



TEST NUMBER: P937880

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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    |    | 20 |    |    |    |    | 20 |    |    |    |    | 20 |
| RC  | 80  |     |     |     | 70 |    |    |    |    | 50 |    |    |    |    | 30 |    |    |    |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 101 | 101 | 101 | 101 | 90 | 90 | 90 | 90 | 69 | 69 | 69 | 50 | 50 | 50 | 33 | 33 | 33 |    |    | 24 |
| 1   | 92  | 88  | 84  | 80  | 81 | 78 | 75 | 72 | 60 | 58 | 56 | 44 | 42 | 41 | 28 | 28 | 27 |    |    | 20 |
| 2   | 83  | 76  | 70  | 65  | 74 | 68 | 63 | 58 | 52 | 49 | 46 | 38 | 36 | 34 | 25 | 23 | 22 |    |    | 16 |
| 3   | 76  | 66  | 59  | 54  | 67 | 59 | 53 | 48 | 46 | 42 | 38 | 33 | 30 | 28 | 22 | 20 | 19 |    |    | 13 |
| 4   | 69  | 58  | 51  | 45  | 61 | 52 | 46 | 41 | 40 | 36 | 32 | 29 | 26 | 24 | 19 | 17 | 16 |    |    | 11 |
| 5   | 63  | 52  | 44  | 38  | 56 | 46 | 39 | 34 | 36 | 31 | 27 | 26 | 23 | 20 | 17 | 15 | 13 |    |    | 10 |
| 6   | 58  | 46  | 38  | 33  | 51 | 41 | 34 | 29 | 32 | 27 | 23 | 23 | 20 | 17 | 15 | 13 | 12 |    |    | 8  |
| 7   | 53  | 41  | 34  | 28  | 47 | 37 | 30 | 26 | 29 | 24 | 20 | 21 | 18 | 15 | 14 | 12 | 10 |    |    | 7  |
| 8   | 49  | 37  | 30  | 25  | 44 | 33 | 27 | 22 | 26 | 21 | 18 | 19 | 16 | 13 | 12 | 10 | 9  |    |    | 6  |
| 9   | 46  | 34  | 27  | 22  | 40 | 30 | 24 | 20 | 24 | 19 | 16 | 17 | 14 | 12 | 11 | 9  | 8  |    |    | 6  |
| 10  | 42  | 31  | 24  | 19  | 38 | 28 | 21 | 17 | 22 | 17 | 14 | 16 | 13 | 10 | 10 | 9  | 7  |    |    | 5  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 1848 | 1848 | 1848 |
| 5°  | 1807 | 2137 | 2485 |
| 10° | 1639 | 3116 | 4119 |
| 15° | 1394 | 4072 | 4974 |
| 20° | 1135 | 4720 | 5069 |
| 25° | 947  | 4940 | 4966 |
| 30° | 799  | 4973 | 4957 |
| 35° | 707  | 4891 | 5085 |
| 40° | 617  | 4786 | 5217 |
| 45° | 558  | 4708 | 5238 |
| 50° | 513  | 4639 | 5151 |
| 55° | 492  | 4537 | 4923 |
| 60° | 504  | 4340 | 4562 |
| 65° | 526  | 4039 | 4067 |
| 70° | 561  | 3525 | 3436 |
| 75° | 624  | 2876 | 2681 |
| 80° | 687  | 1997 | 1807 |
| 85° | 622  | 1062 | 924  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 5493 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 77.3    | 0.4       |
| 10°-20°   | 342.6   | 1.8       |
| 20°-30°   | 599.3   | 3.2       |
| 30°-40°   | 771.5   | 4.1       |
| 40°-50°   | 861.7   | 4.5       |
| 50°-60°   | 825.3   | 4.4       |
| 60°-70°   | 654.1   | 3.4       |
| 70°-80°   | 384.6   | 2.0       |
| 80°-90°   | 115.3   | 0.6       |
| 90°-100°  | 1077.4  | 5.7       |
| 100°-110° | 2832.5  | 14.9      |
| 110°-120° | 2937.0  | 15.5      |
| 120°-130° | 2355.8  | 12.4      |
| 130°-140° | 1848.5  | 9.7       |
| 140°-150° | 1418.8  | 7.5       |
| 150°-160° | 1021.8  | 5.4       |
| 160°-170° | 625.2   | 3.3       |
| 170°-180° | 211.2   | 1.1       |
| 0°-30°    | 1019.2  | 5.4       |
| 0°-40°    | 1790.7  | 9.4       |
| 0°-60°    | 3477.7  | 18.3      |
| 0°-90°    | 4631.6  | 24.4      |
| 90°-120°  | 6846.8  | 36.1      |
| 90°-150°  | 12469.9 | 65.8      |
| 90°-180°  | 14328.0 | 75.6      |
| 0°-180°   | 18959.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 598  | 598   | 598  | 598   | 598  |      |
| 5°   | 582  | 624   | 703  | 796   | 824  | 54   |
| 15°  | 436  | 805   | 1357 | 1645  | 1697 | 121  |
| 25°  | 279  | 913   | 1616 | 1687  | 1689 | 128  |
| 35°  | 188  | 872   | 1522 | 1608  | 1672 | 118  |
| 45°  | 129  | 696   | 1345 | 1541  | 1610 | 100  |
| 55°  | 92   | 442   | 1141 | 1326  | 1362 | 84   |
| 65°  | 73   | 234   | 848  | 953   | 967  | 72   |
| 75°  | 54   | 144   | 465  | 511   | 513  | 56   |
| 85°  | 19   | 44    | 115  | 127   | 129  | 20   |
| 90°  | 15   | 42    | 113  | 56    | 56   | 13   |
| 95°  | 142  | 558   | 1856 | 957   | 651  | 158  |
| 105° | 510  | 773   | 3131 | 4754  | 4435 | 541  |
| 115° | 906  | 1101  | 2508 | 5003  | 5711 | 895  |
| 125° | 1261 | 1414  | 2281 | 3855  | 4548 | 1119 |
| 135° | 1503 | 1654  | 2210 | 3112  | 3529 | 1163 |
| 145° | 1743 | 1854  | 2182 | 2655  | 2863 | 1092 |
| 155° | 1970 | 2025  | 2182 | 2396  | 2465 | 905  |
| 165° | 2126 | 2154  | 2182 | 2268  | 2296 | 600  |
| 175° | 2210 | 2210  | 2197 | 2225  | 2225 | 210  |
| 180° | 2210 | 2210  | 2210 | 2210  | 2210 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 597.6 | 597.6 | 597.6 | 597.6 | 597.6  | 597.6  | 597.6  | 597.6  | 597.6  | 597.6  | 597.6  |
| 2.5°   | 597.6 | 597.6 | 601.5 | 603.4 | 607.2  | 609.1  | 613.0  | 616.8  | 628.4  | 630.3  | 634.1  |
| 5°     | 582.3 | 589.9 | 614.9 | 624.5 | 651.4  | 687.9  | 703.3  | 728.3  | 780.1  | 795.5  | 805.2  |
| 7.5°   | 559.2 | 576.4 | 637.9 | 653.3 | 720.6  | 816.7  | 857.0  | 910.9  | 993.5  | 1033.8 | 1066.4 |
| 10°    | 522.7 | 559.2 | 668.7 | 705.3 | 814.7  | 960.8  | 1035.7 | 1110.7 | 1235.6 | 1291.4 | 1312.5 |
| 12.5°  | 482.3 | 541.9 | 701.4 | 751.3 | 908.9  | 1122.2 | 1212.6 | 1295.2 | 1437.4 | 1512.3 | 1523.8 |
| 15°    | 436.2 | 516.9 | 732.1 | 805.2 | 1008.9 | 1256.7 | 1356.7 | 1458.5 | 1591.1 | 1644.9 | 1658.4 |
| 17.5°  | 395.8 | 497.7 | 760.9 | 837.8 | 1085.7 | 1377.8 | 1479.6 | 1564.2 | 1671.8 | 1708.3 | 1717.9 |
| 20°    | 345.9 | 467.0 | 780.1 | 880.1 | 1166.4 | 1466.2 | 1564.2 | 1629.5 | 1702.6 | 1725.6 | 1729.4 |
| 22.5°  | 309.4 | 434.2 | 791.7 | 895.5 | 1220.2 | 1520.0 | 1602.6 | 1654.5 | 1704.5 | 1712.1 | 1714.0 |
| 25°    | 278.7 | 397.8 | 789.8 | 912.8 | 1266.3 | 1552.6 | 1616.1 | 1654.5 | 1683.3 | 1687.2 | 1687.2 |
| 27.5°  | 249.8 | 357.5 | 782.0 | 916.6 | 1300.9 | 1560.4 | 1610.3 | 1637.2 | 1650.6 | 1658.4 | 1658.4 |
| 30°    | 224.8 | 319.0 | 762.9 | 908.9 | 1316.3 | 1552.6 | 1593.0 | 1606.5 | 1619.9 | 1631.4 | 1637.2 |
| 32.5°  | 205.6 | 282.5 | 734.0 | 893.5 | 1318.2 | 1533.4 | 1562.3 | 1569.9 | 1589.1 | 1616.1 | 1625.7 |
| 35°    | 188.3 | 246.0 | 701.4 | 872.4 | 1306.7 | 1502.7 | 1521.9 | 1529.6 | 1568.0 | 1608.4 | 1621.8 |
| 37.5°  | 171.0 | 219.1 | 659.1 | 835.9 | 1289.3 | 1466.2 | 1479.6 | 1493.0 | 1552.6 | 1600.7 | 1616.1 |
| 40°    | 153.8 | 196.0 | 609.1 | 795.5 | 1262.5 | 1422.0 | 1433.6 | 1454.7 | 1533.4 | 1589.1 | 1604.5 |
| 42.5°  | 140.3 | 176.8 | 555.3 | 753.3 | 1227.9 | 1372.0 | 1389.3 | 1420.1 | 1510.3 | 1569.9 | 1587.2 |
| 45°    | 128.7 | 157.6 | 497.7 | 695.6 | 1183.7 | 1320.1 | 1345.1 | 1387.4 | 1483.5 | 1541.1 | 1556.5 |
| 47.5°  | 117.2 | 144.1 | 438.2 | 636.0 | 1135.7 | 1268.2 | 1300.9 | 1348.9 | 1446.9 | 1502.7 | 1516.2 |
| 50°    | 107.6 | 130.6 | 378.6 | 572.6 | 1083.7 | 1212.6 | 1251.0 | 1300.9 | 1400.9 | 1452.7 | 1470.0 |
| 52.5°  | 99.9  | 119.2 | 322.8 | 509.2 | 1024.2 | 1154.9 | 1199.1 | 1251.0 | 1345.1 | 1395.1 | 1406.6 |
| 55°    | 92.3  | 109.5 | 274.8 | 442.0 | 962.7  | 1093.4 | 1141.4 | 1191.4 | 1283.6 | 1325.9 | 1333.6 |
| 57.5°  | 88.4  | 101.8 | 234.5 | 378.6 | 897.4  | 1024.2 | 1078.0 | 1124.1 | 1210.6 | 1243.3 | 1251.0 |
| 60°    | 82.6  | 96.1  | 203.7 | 324.8 | 826.3  | 958.9  | 1005.0 | 1051.1 | 1124.1 | 1151.1 | 1156.8 |
| 62.5°  | 76.9  | 92.3  | 180.6 | 272.8 | 753.3  | 882.0  | 928.2  | 970.4  | 1031.9 | 1051.1 | 1058.8 |
| 65°    | 73.1  | 88.4  | 163.3 | 234.5 | 678.3  | 801.3  | 847.5  | 883.9  | 933.9  | 953.1  | 956.9  |
| 67.5°  | 69.1  | 84.5  | 149.8 | 201.8 | 603.4  | 720.6  | 755.2  | 789.8  | 828.2  | 847.5  | 849.4  |
| 70°    | 63.4  | 80.7  | 138.4 | 178.7 | 526.5  | 628.4  | 657.2  | 693.7  | 724.5  | 734.0  | 739.8  |
| 72.5°  | 59.6  | 75.0  | 130.6 | 161.4 | 447.7  | 540.0  | 566.9  | 588.0  | 614.9  | 624.5  | 624.5  |
| 75°    | 53.8  | 67.2  | 123.0 | 144.1 | 367.0  | 442.0  | 465.0  | 486.2  | 507.3  | 511.1  | 505.4  |
| 77.5°  | 48.0  | 59.6  | 105.7 | 121.1 | 286.3  | 349.7  | 368.9  | 380.5  | 397.8  | 401.6  | 403.5  |
| 80°    | 40.4  | 51.9  | 82.6  | 94.2  | 207.5  | 257.5  | 270.9  | 280.6  | 296.0  | 296.0  | 299.8  |
| 82.5°  | 30.8  | 40.4  | 59.6  | 67.2  | 140.3  | 176.8  | 188.3  | 194.1  | 203.7  | 203.7  | 203.7  |
| 85°    | 19.2  | 25.0  | 38.4  | 44.2  | 84.5   | 107.6  | 115.3  | 117.2  | 124.9  | 126.8  | 126.8  |
| 87.5°  | 9.6   | 13.5  | 25.0  | 26.9  | 44.2   | 55.8   | 55.8   | 59.6   | 59.6   | 57.7   | 55.8   |
| 90°    | 14.8  | 26.6  | 38.6  | 41.5  | 65.2   | 96.8   | 112.7  | 100.2  | 75.2   | 56.3   | 56.3   |
| 92.5°  | 59.3  | 160.2 | 261.1 | 286.3 | 402.5  | 557.4  | 634.9  | 556.4  | 399.5  | 281.8  | 270.6  |
| 95°    | 142.4 | 327.0 | 511.6 | 557.7 | 990.3  | 1567.3 | 1855.7 | 1655.9 | 1256.4 | 956.8  | 922.8  |
| 97.5°  | 246.2 | 409.0 | 571.9 | 612.6 | 1334.0 | 2295.9 | 2776.9 | 2650.6 | 2398.1 | 2208.7 | 2144.1 |
| 100°   | 326.3 | 474.1 | 621.7 | 658.7 | 1459.1 | 2526.5 | 3060.2 | 3069.5 | 3087.9 | 3101.7 | 3024.8 |
| 102.5° | 394.6 | 532.4 | 670.1 | 704.6 | 1516.5 | 2599.0 | 3140.3 | 3301.1 | 3622.9 | 3864.2 | 3798.3 |
| 105°   | 510.3 | 627.0 | 743.7 | 772.9 | 1559.0 | 2607.2 | 3131.3 | 3492.0 | 4213.3 | 4754.2 | 4718.8 |
| 107.5° | 629.0 | 737.7 | 846.5 | 873.7 | 1567.0 | 2491.3 | 2953.4 | 3456.4 | 4462.4 | 5217.0 | 5225.6 |
| 110°   | 709.1 | 807.3 | 905.5 | 930.1 | 1555.0 | 2388.4 | 2805.0 | 3367.4 | 4492.1 | 5335.7 | 5372.6 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 787.7  | 881.3  | 974.9  | 998.3  | 1555.5 | 2298.6 | 2670.1 | 3245.7 | 4396.7 | 5260.0 | 5316.8 |
| 115°   | 906.3  | 992.6  | 1079.1 | 1100.6 | 1569.9 | 2195.5 | 2508.4 | 3062.9 | 4171.7 | 5003.4 | 5082.0 |
| 117.5° | 1023.6 | 1102.0 | 1180.5 | 1200.1 | 1599.1 | 2131.1 | 2397.1 | 2897.6 | 3898.3 | 4648.8 | 4736.0 |
| 120°   | 1091.8 | 1165.6 | 1239.5 | 1257.9 | 1622.8 | 2109.4 | 2352.6 | 2809.9 | 3724.3 | 4410.1 | 4494.8 |
| 122.5° | 1158.5 | 1233.0 | 1307.5 | 1326.1 | 1656.9 | 2098.0 | 2318.5 | 2730.2 | 3553.7 | 4171.2 | 4254.8 |
| 125°   | 1260.9 | 1328.8 | 1396.7 | 1413.7 | 1703.0 | 2088.6 | 2281.4 | 2631.1 | 3330.7 | 3855.2 | 3932.2 |
| 127.5° | 1344.0 | 1412.5 | 1481.1 | 1498.2 | 1748.9 | 2083.1 | 2250.3 | 2550.5 | 3151.1 | 3601.6 | 3666.5 |
| 130°   | 1388.5 | 1462.3 | 1536.1 | 1554.5 | 1782.5 | 2086.5 | 2238.4 | 2505.7 | 3040.4 | 3441.4 | 3501.4 |
| 132.5° | 1434.4 | 1508.2 | 1582.1 | 1600.6 | 1809.7 | 2088.6 | 2228.0 | 2467.3 | 2946.0 | 3305.0 | 3358.7 |
| 135°   | 1502.7 | 1569.9 | 1637.2 | 1654.0 | 1839.4 | 2086.7 | 2210.3 | 2410.7 | 2811.5 | 3112.2 | 3158.5 |
| 137.5° | 1572.4 | 1639.0 | 1705.5 | 1722.2 | 1883.8 | 2099.5 | 2207.3 | 2376.7 | 2715.5 | 2969.7 | 3007.6 |
| 140°   | 1630.2 | 1691.5 | 1752.8 | 1768.2 | 1911.1 | 2101.6 | 2196.9 | 2343.2 | 2635.9 | 2855.4 | 2890.9 |
| 142.5° | 1674.7 | 1731.4 | 1788.1 | 1802.3 | 1933.8 | 2109.2 | 2196.9 | 2325.4 | 2582.6 | 2775.4 | 2805.9 |
| 145°   | 1743.0 | 1792.4 | 1841.9 | 1854.2 | 1963.5 | 2109.2 | 2182.1 | 2287.2 | 2497.5 | 2655.2 | 2678.3 |
| 147.5° | 1811.2 | 1859.3 | 1907.4 | 1919.5 | 2007.0 | 2123.7 | 2182.1 | 2264.8 | 2430.3 | 2554.3 | 2573.4 |
| 150°   | 1855.7 | 1899.2 | 1942.8 | 1953.6 | 2029.8 | 2131.3 | 2182.1 | 2252.0 | 2391.7 | 2496.5 | 2511.9 |
| 152.5° | 1901.7 | 1934.6 | 1967.7 | 1975.9 | 2044.7 | 2136.2 | 2182.1 | 2241.8 | 2361.0 | 2450.5 | 2462.3 |
| 155°   | 1969.9 | 1994.3 | 2018.7 | 2024.8 | 2077.2 | 2147.1 | 2182.1 | 2229.5 | 2324.5 | 2395.6 | 2403.4 |
| 157.5° | 2020.4 | 2044.1 | 2067.9 | 2073.8 | 2109.9 | 2158.0 | 2182.1 | 2218.9 | 2292.8 | 2348.2 | 2353.6 |
| 160°   | 2054.5 | 2072.9 | 2091.4 | 2096.0 | 2124.7 | 2163.0 | 2182.1 | 2213.7 | 2277.0 | 2324.5 | 2327.6 |
| 162.5° | 2088.6 | 2102.4 | 2116.3 | 2119.7 | 2140.5 | 2168.2 | 2182.1 | 2208.8 | 2262.2 | 2302.2 | 2305.2 |
| 165°   | 2125.6 | 2138.1 | 2150.7 | 2153.8 | 2163.3 | 2175.8 | 2182.1 | 2201.2 | 2239.4 | 2268.0 | 2271.2 |
| 167.5° | 2159.8 | 2165.7 | 2171.7 | 2173.1 | 2181.0 | 2191.6 | 2196.9 | 2209.4 | 2234.4 | 2253.2 | 2254.6 |
| 170°   | 2182.1 | 2188.0 | 2193.9 | 2195.4 | 2195.8 | 2196.5 | 2196.9 | 2209.4 | 2234.4 | 2253.2 | 2253.2 |
| 172.5° | 2193.9 | 2195.3 | 2196.6 | 2196.9 | 2196.9 | 2196.9 | 2196.9 | 2206.8 | 2226.6 | 2241.4 | 2240.2 |
| 175°   | 2210.3 | 2210.3 | 2210.3 | 2210.3 | 2205.8 | 2199.8 | 2196.9 | 2203.2 | 2215.7 | 2225.1 | 2225.1 |
| 177.5° | 2210.3 | 2210.3 | 2210.3 | 2210.3 | 2206.8 | 2202.1 | 2199.8 | 2204.8 | 2214.6 | 2222.1 | 2220.8 |
| 180°   | 2210.3 | 2210.3 | 2210.3 | 2210.3 | 2210.3 | 2210.3 | 2210.3 | 2210.3 | 2210.3 | 2210.3 | 2210.3 |

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CATALOG NUMBER: SQ4-FB-125U-050D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 597.6  | 597.6  |
| 2.5°   | 637.9  | 634.1  |
| 5°     | 820.5  | 824.4  |
| 7.5°   | 1104.9 | 1103.0 |
| 10°    | 1374.0 | 1391.2 |
| 12.5°  | 1569.9 | 1573.7 |
| 15°    | 1689.1 | 1696.7 |
| 17.5°  | 1735.2 | 1737.1 |
| 20°    | 1737.1 | 1733.3 |
| 22.5°  | 1715.9 | 1712.1 |
| 25°    | 1691.0 | 1689.1 |
| 27.5°  | 1667.9 | 1669.9 |
| 30°    | 1658.4 | 1664.1 |
| 32.5°  | 1658.4 | 1667.9 |
| 35°    | 1662.2 | 1671.8 |
| 37.5°  | 1660.3 | 1671.8 |
| 40°    | 1652.5 | 1666.0 |
| 42.5°  | 1631.4 | 1641.1 |
| 45°    | 1598.8 | 1610.3 |
| 47.5°  | 1556.5 | 1564.2 |
| 50°    | 1502.7 | 1510.3 |
| 52.5°  | 1435.5 | 1437.4 |
| 55°    | 1354.8 | 1362.4 |
| 57.5°  | 1268.2 | 1270.1 |
| 60°    | 1172.2 | 1177.9 |
| 62.5°  | 1070.4 | 1070.4 |
| 65°    | 962.7  | 966.6  |
| 67.5°  | 851.3  | 860.8  |
| 70°    | 737.9  | 739.8  |
| 72.5°  | 626.5  | 626.5  |
| 75°    | 511.1  | 513.0  |
| 77.5°  | 401.6  | 401.6  |
| 80°    | 297.9  | 299.8  |
| 82.5°  | 205.6  | 209.4  |
| 85°    | 128.7  | 128.7  |
| 87.5°  | 59.6   | 53.8   |
| 90°    | 56.3   | 56.3   |
| 92.5°  | 225.8  | 181.0  |
| 95°    | 787.0  | 651.2  |
| 97.5°  | 1885.6 | 1627.2 |
| 100°   | 2716.9 | 2409.0 |
| 102.5° | 3534.6 | 3270.9 |
| 105°   | 4577.0 | 4435.3 |
| 107.5° | 5259.9 | 5294.1 |
| 110°   | 5520.3 | 5667.9 |





TEST NUMBER: P937880

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**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 5543.5 | 5770.3 |
| 115°   | 5396.5 | 5711.0 |
| 117.5° | 5084.8 | 5433.6 |
| 120°   | 4833.6 | 5172.5 |
| 122.5° | 4589.1 | 4923.3 |
| 125°   | 4240.1 | 4548.0 |
| 127.5° | 3926.3 | 4186.1 |
| 130°   | 3741.4 | 3981.4 |
| 132.5° | 3573.6 | 3788.5 |
| 135°   | 3343.6 | 3528.9 |
| 137.5° | 3159.2 | 3310.9 |
| 140°   | 3032.7 | 3174.4 |
| 142.5° | 2927.8 | 3049.8 |
| 145°   | 2770.6 | 2862.9 |
| 147.5° | 2649.9 | 2726.4 |
| 150°   | 2574.0 | 2636.0 |
| 152.5° | 2509.1 | 2555.9 |
| 155°   | 2434.4 | 2465.3 |
| 157.5° | 2375.4 | 2397.1 |
| 160°   | 2340.1 | 2352.6 |
| 162.5° | 2317.0 | 2328.9 |
| 165°   | 2283.7 | 2296.3 |
| 167.5° | 2259.8 | 2265.1 |
| 170°   | 2253.2 | 2253.2 |
| 172.5° | 2235.6 | 2231.0 |
| 175°   | 2225.1 | 2225.1 |
| 177.5° | 2215.5 | 2210.3 |
| 180°   | 2210.3 | 2210.3 |

TEST NUMBER: P937880

CATALOG NUMBER: SQ4-FB-125U-050D-B2750-1D-UNV-STD-W-12-4000K

**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 | 0.13             | 0.82  | 1.28  | 1.96  | 3.55  | 13.32          | 14.01 | 14.47 | 15.15 | 16.74 |
|                 | 3H   | 0.82             | 1.44  | 1.98  | 2.58  | 4.19  | 15.15          | 15.77 | 16.31 | 16.91 | 18.52 |
|                 | 4H   | 1.11             | 1.70  | 2.27  | 2.84  | 4.46  | 15.79          | 16.38 | 16.96 | 17.53 | 19.14 |
|                 | 6H   | 1.35             | 1.89  | 2.52  | 3.04  | 4.66  | 16.22          | 16.76 | 17.39 | 17.91 | 19.53 |
|                 | 8H   | 1.42             | 1.93  | 2.59  | 3.09  | 4.71  | 16.34          | 16.85 | 17.51 | 18.01 | 19.63 |
|                 | 12H  | 1.43             | 1.91  | 2.60  | 3.07  | 4.71  | 16.40          | 16.89 | 17.58 | 18.05 | 19.68 |
| 4H              | 2H   | 7.33             | 7.92  | 8.50  | 9.06  | 10.68 | 13.57          | 14.16 | 14.74 | 15.31 | 16.92 |
|                 | 3H   | 8.88             | 9.37  | 10.06 | 10.54 | 12.17 | 15.61          | 16.10 | 16.78 | 17.27 | 18.89 |
|                 | 4H   | 8.97             | 9.42  | 10.15 | 10.58 | 12.22 | 16.37          | 16.82 | 17.55 | 17.98 | 19.62 |
|                 | 6H   | 8.97             | 9.36  | 10.15 | 10.54 | 12.17 | 16.90          | 17.29 | 18.09 | 18.47 | 20.11 |
|                 | 8H   | 8.94             | 9.30  | 10.12 | 10.48 | 12.13 | 17.06          | 17.43 | 18.24 | 18.60 | 20.25 |
|                 | 12H  | 8.89             | 9.22  | 10.09 | 10.40 | 12.06 | 17.15          | 17.48 | 18.35 | 18.66 | 20.32 |
| 8H              | 4H   | 10.40            | 10.76 | 11.58 | 11.94 | 13.59 | 16.42          | 16.78 | 17.60 | 17.95 | 19.60 |
|                 | 6H   | 10.64            | 10.93 | 11.84 | 12.15 | 13.80 | 17.04          | 17.34 | 18.24 | 18.56 | 20.20 |
|                 | 8H   | 10.65            | 10.91 | 11.86 | 12.10 | 13.77 | 17.26          | 17.52 | 18.47 | 18.71 | 20.38 |
|                 | 12H  | 10.61            | 10.84 | 11.82 | 12.03 | 13.73 | 17.40          | 17.63 | 18.61 | 18.82 | 20.52 |
| 12H             | 4H   | 10.54            | 10.87 | 11.73 | 12.05 | 13.70 | 16.36          | 16.69 | 17.56 | 17.87 | 19.53 |
|                 | 6H   | 10.89            | 11.15 | 12.10 | 12.35 | 14.01 | 17.02          | 17.28 | 18.23 | 18.47 | 20.14 |
|                 | 8H   | 10.95            | 11.18 | 12.16 | 12.37 | 14.07 | 17.25          | 17.47 | 18.46 | 18.66 | 20.36 |

END OF REPORT