

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: P936230

Luminaire Tested: SQ4-FB-025U-050D-92765-1D-UNV-STD-W-12-6500K

Issue Date: 12/17/2024

**Test Information**

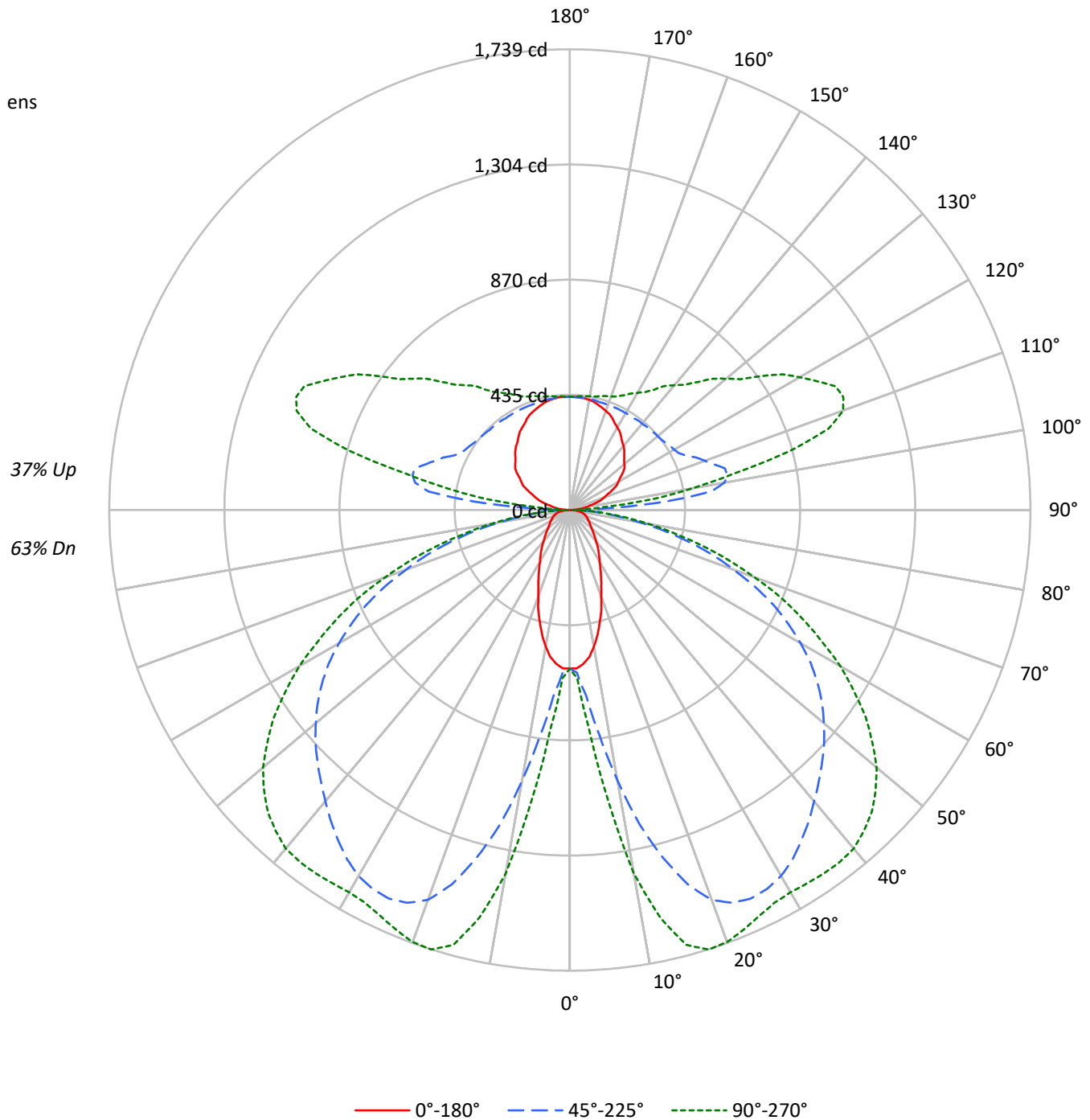
Test Method: LM-79-2019  
Report Number: P936230  
REPORT IS A COMBINATION OF REPORTS P933429 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-025U-050D-92765-1D-UNV-STD-W-12-6500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7405.7 lumens  
Efficiency: N/A  
Efficacy: 112.2 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-Direct  
  
Input Watts (W): 66  
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

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### Luminous Intensity Polar Plot





TEST NUMBER: P936230

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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 | 0  |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| 0   | 110 | 110 | 110 | 110 | 103 | 103 | 103 | 103 | 90 | 90 | 90 | 78 | 78 | 78 | 68 | 68 | 68 | 63 |
| 1   | 100 | 95  | 91  | 87  | 93  | 89  | 86  | 82  | 78 | 75 | 73 | 68 | 66 | 64 | 59 | 57 | 56 | 51 |
| 2   | 90  | 82  | 76  | 70  | 84  | 77  | 71  | 66  | 68 | 63 | 59 | 59 | 55 | 52 | 51 | 48 | 46 | 42 |
| 3   | 82  | 72  | 64  | 57  | 76  | 67  | 60  | 55  | 59 | 53 | 49 | 51 | 47 | 43 | 44 | 41 | 38 | 34 |
| 4   | 75  | 63  | 54  | 48  | 69  | 59  | 52  | 46  | 52 | 46 | 41 | 45 | 40 | 37 | 39 | 35 | 32 | 29 |
| 5   | 68  | 56  | 47  | 41  | 63  | 52  | 45  | 39  | 46 | 40 | 35 | 40 | 35 | 31 | 35 | 31 | 28 | 24 |
| 6   | 63  | 50  | 41  | 35  | 58  | 47  | 39  | 33  | 41 | 35 | 30 | 36 | 31 | 27 | 31 | 27 | 24 | 21 |
| 7   | 58  | 45  | 36  | 30  | 54  | 42  | 34  | 29  | 37 | 31 | 26 | 33 | 27 | 23 | 28 | 24 | 21 | 18 |
| 8   | 53  | 40  | 32  | 26  | 50  | 38  | 31  | 25  | 34 | 27 | 23 | 30 | 24 | 21 | 26 | 22 | 18 | 16 |
| 9   | 50  | 37  | 29  | 23  | 46  | 35  | 27  | 22  | 31 | 25 | 20 | 27 | 22 | 18 | 24 | 19 | 16 | 14 |
| 10  | 46  | 34  | 26  | 21  | 43  | 32  | 25  | 20  | 28 | 22 | 18 | 25 | 20 | 16 | 22 | 18 | 15 | 13 |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 1851 | 1851 | 1851 |
| 5°  | 1809 | 2139 | 2488 |
| 10° | 1641 | 3120 | 4124 |
| 15° | 1396 | 4077 | 4980 |
| 20° | 1136 | 4725 | 5076 |
| 25° | 948  | 4946 | 4972 |
| 30° | 800  | 4979 | 4963 |
| 35° | 708  | 4897 | 5091 |
| 40° | 617  | 4791 | 5224 |
| 45° | 559  | 4714 | 5244 |
| 50° | 514  | 4645 | 5157 |
| 55° | 492  | 4543 | 4929 |
| 60° | 504  | 4346 | 4568 |
| 65° | 526  | 4044 | 4072 |
| 70° | 561  | 3530 | 3440 |
| 75° | 624  | 2880 | 2684 |
| 80° | 687  | 2000 | 1809 |
| 85° | 622  | 1063 | 926  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 5244 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 77.4   | 1.0       |
| 10°-20°   | 343.0  | 4.6       |
| 20°-30°   | 600.0  | 8.1       |
| 30°-40°   | 772.4  | 10.4      |
| 40°-50°   | 862.8  | 11.6      |
| 50°-60°   | 826.3  | 11.2      |
| 60°-70°   | 654.9  | 8.8       |
| 70°-80°   | 385.1  | 5.2       |
| 80°-90°   | 108.6  | 1.5       |
| 90°-100°  | 208.7  | 2.8       |
| 100°-110° | 548.6  | 7.4       |
| 110°-120° | 568.9  | 7.7       |
| 120°-130° | 456.3  | 6.2       |
| 130°-140° | 358.0  | 4.8       |
| 140°-150° | 274.8  | 3.7       |
| 150°-160° | 197.9  | 2.7       |
| 160°-170° | 121.1  | 1.6       |
| 170°-180° | 40.9   | 0.6       |
| 0°-30°    | 1020.5 | 13.8      |
| 0°-40°    | 1792.9 | 24.2      |
| 0°-60°    | 3482.0 | 47.0      |
| 0°-90°    | 4630.6 | 62.5      |
| 90°-120°  | 1326.1 | 17.9      |
| 90°-150°  | 2415.3 | 32.6      |
| 90°-180°  | 2775.0 | 37.5      |
| 0°-180°   | 7405.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|-----|-------|------|-------|------|------|
| 0°   | 598 | 598   | 598  | 598   | 598  |      |
| 5°   | 583 | 625   | 704  | 796   | 825  | 54   |
| 15°  | 437 | 806   | 1358 | 1647  | 1699 | 122  |
| 25°  | 279 | 914   | 1618 | 1689  | 1691 | 129  |
| 35°  | 189 | 874   | 1524 | 1610  | 1674 | 118  |
| 45°  | 129 | 696   | 1347 | 1543  | 1612 | 100  |
| 55°  | 92  | 442   | 1143 | 1328  | 1364 | 84   |
| 65°  | 73  | 235   | 848  | 954   | 968  | 72   |
| 75°  | 54  | 144   | 466  | 512   | 514  | 56   |
| 85°  | 19  | 44    | 115  | 127   | 129  | 20   |
| 90°  | 3   | 8     | 22   | 11    | 11   | 4    |
| 95°  | 28  | 108   | 359  | 185   | 126  | 31   |
| 105° | 99  | 150   | 606  | 921   | 859  | 105  |
| 115° | 176 | 213   | 486  | 969   | 1106 | 173  |
| 125° | 244 | 274   | 442  | 747   | 881  | 217  |
| 135° | 291 | 320   | 428  | 603   | 684  | 225  |
| 145° | 338 | 359   | 423  | 514   | 554  | 211  |
| 155° | 382 | 392   | 423  | 464   | 478  | 175  |
| 165° | 412 | 417   | 423  | 439   | 445  | 116  |
| 175° | 428 | 428   | 426  | 431   | 431  | 41   |
| 180° | 428 | 428   | 428  | 428   | 428  |      |



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CATALOG NUMBER: SQ4-FB-025U-050D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 598.4 | 598.4 | 598.4 | 598.4 | 598.4  | 598.4  | 598.4  | 598.4  | 598.4  | 598.4  | 598.4  |
| 2.5°   | 598.4 | 598.4 | 602.2 | 604.1 | 607.9  | 609.9  | 613.8  | 617.6  | 629.2  | 631.1  | 634.9  |
| 5°     | 583.0 | 590.6 | 615.7 | 625.3 | 652.2  | 688.7  | 704.1  | 729.2  | 781.1  | 796.5  | 806.2  |
| 7.5°   | 559.9 | 577.2 | 638.7 | 654.1 | 721.5  | 817.7  | 858.1  | 912.0  | 994.7  | 1035.1 | 1067.8 |
| 10°    | 523.3 | 559.9 | 669.5 | 706.1 | 815.7  | 962.0  | 1037.0 | 1112.1 | 1237.1 | 1293.0 | 1314.1 |
| 12.5°  | 482.9 | 542.5 | 702.2 | 752.2 | 910.0  | 1123.6 | 1214.1 | 1296.8 | 1439.2 | 1514.2 | 1525.7 |
| 15°    | 436.8 | 517.6 | 733.0 | 806.2 | 1010.1 | 1258.3 | 1358.4 | 1460.3 | 1593.1 | 1646.9 | 1660.4 |
| 17.5°  | 396.3 | 498.3 | 761.9 | 838.9 | 1087.1 | 1379.5 | 1481.4 | 1566.1 | 1673.9 | 1710.4 | 1720.1 |
| 20°    | 346.3 | 467.6 | 781.1 | 881.2 | 1167.9 | 1468.0 | 1566.1 | 1631.6 | 1704.7 | 1727.7 | 1731.6 |
| 22.5°  | 309.8 | 434.8 | 792.7 | 896.6 | 1221.7 | 1521.9 | 1604.6 | 1656.6 | 1706.6 | 1714.3 | 1716.2 |
| 25°    | 279.0 | 398.3 | 790.8 | 913.9 | 1267.9 | 1554.6 | 1618.1 | 1656.6 | 1685.4 | 1689.3 | 1689.3 |
| 27.5°  | 250.1 | 357.9 | 783.0 | 917.8 | 1302.5 | 1562.3 | 1612.3 | 1639.2 | 1652.7 | 1660.4 | 1660.4 |
| 30°    | 225.1 | 319.4 | 763.8 | 910.0 | 1317.9 | 1554.6 | 1595.0 | 1608.5 | 1621.9 | 1633.5 | 1639.2 |
| 32.5°  | 205.9 | 282.8 | 734.9 | 894.6 | 1319.8 | 1535.4 | 1564.2 | 1571.9 | 1591.1 | 1618.1 | 1627.7 |
| 35°    | 188.6 | 246.3 | 702.2 | 873.5 | 1308.4 | 1504.6 | 1523.8 | 1531.5 | 1570.0 | 1610.4 | 1623.8 |
| 37.5°  | 171.3 | 219.4 | 660.0 | 837.0 | 1291.0 | 1468.0 | 1481.4 | 1494.9 | 1554.6 | 1602.7 | 1618.1 |
| 40°    | 153.9 | 196.2 | 609.9 | 796.5 | 1264.1 | 1423.8 | 1435.3 | 1456.5 | 1535.4 | 1591.1 | 1606.5 |
| 42.5°  | 140.5 | 177.0 | 556.0 | 754.2 | 1229.5 | 1373.8 | 1391.1 | 1421.9 | 1512.2 | 1571.9 | 1589.2 |
| 45°    | 128.9 | 157.8 | 498.3 | 696.5 | 1185.2 | 1321.7 | 1346.8 | 1389.2 | 1485.4 | 1543.0 | 1558.4 |
| 47.5°  | 117.3 | 144.3 | 438.7 | 636.8 | 1137.1 | 1269.8 | 1302.5 | 1350.6 | 1448.7 | 1504.6 | 1518.1 |
| 50°    | 107.8 | 130.8 | 379.0 | 573.3 | 1085.1 | 1214.1 | 1252.5 | 1302.5 | 1402.6 | 1454.6 | 1471.9 |
| 52.5°  | 100.0 | 119.3 | 323.2 | 509.8 | 1025.5 | 1156.3 | 1200.6 | 1252.5 | 1346.8 | 1396.8 | 1408.4 |
| 55°    | 92.4  | 109.7 | 275.1 | 442.5 | 963.9  | 1094.7 | 1142.8 | 1192.9 | 1285.2 | 1327.6 | 1335.2 |
| 57.5°  | 88.5  | 101.9 | 234.7 | 379.0 | 898.5  | 1025.5 | 1079.4 | 1125.5 | 1212.1 | 1244.9 | 1252.5 |
| 60°    | 82.7  | 96.2  | 204.0 | 325.2 | 827.3  | 960.1  | 1006.3 | 1052.4 | 1125.5 | 1152.5 | 1158.2 |
| 62.5°  | 77.0  | 92.4  | 180.8 | 273.2 | 754.2  | 883.1  | 929.3  | 971.6  | 1033.2 | 1052.4 | 1060.1 |
| 65°    | 73.1  | 88.5  | 163.5 | 234.7 | 679.2  | 802.3  | 848.5  | 885.1  | 935.1  | 954.3  | 958.1  |
| 67.5°  | 69.2  | 84.6  | 150.0 | 202.0 | 604.1  | 721.5  | 756.2  | 790.8  | 829.2  | 848.5  | 850.4  |
| 70°    | 63.5  | 80.8  | 138.6 | 178.9 | 527.1  | 629.2  | 658.1  | 694.6  | 725.4  | 734.9  | 740.8  |
| 72.5°  | 59.7  | 75.1  | 130.8 | 161.6 | 448.3  | 540.6  | 567.6  | 588.7  | 615.7  | 625.3  | 625.3  |
| 75°    | 53.8  | 67.3  | 123.2 | 144.3 | 367.5  | 442.5  | 465.6  | 486.8  | 507.9  | 511.8  | 506.0  |
| 77.5°  | 48.1  | 59.7  | 105.9 | 121.2 | 286.7  | 350.2  | 369.4  | 380.9  | 398.3  | 402.1  | 404.0  |
| 80°    | 40.4  | 51.9  | 82.7  | 94.3  | 207.8  | 257.8  | 271.3  | 280.9  | 296.3  | 296.3  | 300.1  |
| 82.5°  | 30.8  | 40.4  | 59.7  | 67.3  | 140.5  | 177.0  | 188.6  | 194.3  | 204.0  | 204.0  | 204.0  |
| 85°    | 19.2  | 25.1  | 38.4  | 44.3  | 84.6   | 107.8  | 115.4  | 117.3  | 125.1  | 127.0  | 127.0  |
| 87.5°  | 9.7   | 13.5  | 25.1  | 27.0  | 44.3   | 55.8   | 55.8   | 59.7   | 59.7   | 57.8   | 55.8   |
| 90°    | 2.9   | 5.2   | 7.5   | 8.0   | 12.6   | 18.7   | 21.8   | 19.4   | 14.5   | 10.9   | 10.9   |
| 92.5°  | 11.5  | 31.0  | 50.6  | 55.5  | 77.9   | 108.0  | 123.0  | 107.8  | 77.4   | 54.6   | 52.4   |
| 95°    | 27.5  | 63.3  | 99.1  | 108.0 | 191.8  | 303.6  | 359.4  | 320.7  | 243.4  | 185.3  | 178.7  |
| 97.5°  | 47.7  | 79.3  | 110.8 | 118.7 | 258.4  | 444.7  | 537.9  | 513.4  | 464.5  | 427.8  | 415.3  |
| 100°   | 63.2  | 91.8  | 120.4 | 127.6 | 282.7  | 489.4  | 592.7  | 594.6  | 598.1  | 600.8  | 585.9  |
| 102.5° | 76.4  | 103.1 | 129.8 | 136.4 | 293.7  | 503.4  | 608.2  | 639.4  | 701.7  | 748.4  | 735.6  |
| 105°   | 98.9  | 121.4 | 144.0 | 149.6 | 302.0  | 505.0  | 606.5  | 676.3  | 816.0  | 920.8  | 913.9  |
| 107.5° | 121.8 | 142.9 | 164.0 | 169.2 | 303.5  | 482.5  | 572.0  | 669.4  | 864.3  | 1010.5 | 1012.1 |
| 110°   | 137.3 | 156.3 | 175.4 | 180.1 | 301.2  | 462.6  | 543.3  | 652.2  | 870.0  | 1033.5 | 1040.6 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°   | 60°   | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 112.5° | 152.6 | 170.7 | 188.8 | 193.3 | 301.3 | 445.2 | 517.2 | 628.7 | 851.6 | 1018.8 | 1029.8 |
| 115°   | 175.6 | 192.3 | 209.0 | 213.2 | 304.1 | 425.2 | 485.8 | 593.2 | 808.0 | 969.1  | 984.3  |
| 117.5° | 198.2 | 213.4 | 228.6 | 232.5 | 309.7 | 412.8 | 464.3 | 561.3 | 755.1 | 900.4  | 917.4  |
| 120°   | 211.4 | 225.8 | 240.1 | 243.6 | 314.3 | 408.5 | 455.6 | 544.2 | 721.4 | 854.2  | 870.6  |
| 122.5° | 224.4 | 238.9 | 253.2 | 256.8 | 320.9 | 406.3 | 449.0 | 528.8 | 688.3 | 807.9  | 824.0  |
| 125°   | 244.2 | 257.4 | 270.6 | 273.9 | 329.9 | 404.6 | 441.9 | 509.6 | 645.0 | 746.7  | 761.6  |
| 127.5° | 260.3 | 273.6 | 286.9 | 290.2 | 338.8 | 403.5 | 435.8 | 494.0 | 610.3 | 697.5  | 710.2  |
| 130°   | 268.9 | 283.2 | 297.6 | 301.1 | 345.3 | 404.1 | 433.5 | 485.4 | 588.9 | 666.6  | 678.2  |
| 132.5° | 277.9 | 292.1 | 306.5 | 310.0 | 350.5 | 404.6 | 431.5 | 477.9 | 570.7 | 640.2  | 650.6  |
| 135°   | 291.1 | 304.1 | 317.1 | 320.3 | 356.3 | 404.2 | 428.1 | 466.9 | 544.6 | 602.8  | 611.8  |
| 137.5° | 304.5 | 317.5 | 330.3 | 333.5 | 364.9 | 406.7 | 427.5 | 460.3 | 525.9 | 575.2  | 582.5  |
| 140°   | 315.7 | 327.6 | 339.5 | 342.5 | 370.1 | 407.1 | 425.5 | 453.8 | 510.5 | 553.1  | 559.9  |
| 142.5° | 324.3 | 335.3 | 346.3 | 349.1 | 374.5 | 408.5 | 425.5 | 450.4 | 500.2 | 537.6  | 543.5  |
| 145°   | 337.6 | 347.2 | 356.8 | 359.1 | 380.3 | 408.5 | 422.6 | 443.0 | 483.7 | 514.2  | 518.7  |
| 147.5° | 350.8 | 360.1 | 369.5 | 371.8 | 388.7 | 411.4 | 422.6 | 438.7 | 470.7 | 494.7  | 498.5  |
| 150°   | 359.4 | 367.8 | 376.3 | 378.4 | 393.1 | 412.8 | 422.6 | 436.2 | 463.3 | 483.5  | 486.5  |
| 152.5° | 368.3 | 374.7 | 381.0 | 382.7 | 396.0 | 413.7 | 422.6 | 434.2 | 457.3 | 474.7  | 476.9  |
| 155°   | 381.5 | 386.2 | 391.0 | 392.1 | 402.3 | 415.8 | 422.6 | 431.8 | 450.3 | 464.0  | 465.6  |
| 157.5° | 391.3 | 395.9 | 400.5 | 401.7 | 408.7 | 418.0 | 422.6 | 429.8 | 444.1 | 454.8  | 455.8  |
| 160°   | 398.0 | 401.5 | 405.1 | 406.0 | 411.5 | 418.9 | 422.6 | 428.8 | 441.0 | 450.2  | 450.7  |
| 162.5° | 404.6 | 407.2 | 409.9 | 410.6 | 414.6 | 420.0 | 422.6 | 427.8 | 438.1 | 445.9  | 446.4  |
| 165°   | 411.7 | 414.1 | 416.6 | 417.2 | 419.0 | 421.4 | 422.6 | 426.4 | 433.7 | 439.3  | 439.8  |
| 167.5° | 418.3 | 419.5 | 420.6 | 420.9 | 422.4 | 424.5 | 425.5 | 427.9 | 432.8 | 436.4  | 436.7  |
| 170°   | 422.6 | 423.8 | 424.9 | 425.2 | 425.3 | 425.4 | 425.5 | 427.9 | 432.8 | 436.4  | 436.4  |
| 172.5° | 424.9 | 425.2 | 425.4 | 425.5 | 425.5 | 425.5 | 425.5 | 427.4 | 431.2 | 434.1  | 433.9  |
| 175°   | 428.1 | 428.1 | 428.1 | 428.1 | 427.2 | 426.1 | 425.5 | 426.7 | 429.1 | 431.0  | 431.0  |
| 177.5° | 428.1 | 428.1 | 428.1 | 428.1 | 427.4 | 426.6 | 426.1 | 427.0 | 428.9 | 430.4  | 430.1  |
| 180°   | 428.1 | 428.1 | 428.1 | 428.1 | 428.1 | 428.1 | 428.1 | 428.1 | 428.1 | 428.1  | 428.1  |



TEST NUMBER: P936230

CATALOG NUMBER: SQ4-FB-025U-050D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 598.4  | 598.4  |
| 2.5°   | 638.7  | 634.9  |
| 5°     | 821.6  | 825.4  |
| 7.5°   | 1106.3 | 1104.4 |
| 10°    | 1375.7 | 1393.0 |
| 12.5°  | 1571.9 | 1575.7 |
| 15°    | 1691.2 | 1698.9 |
| 17.5°  | 1737.4 | 1739.3 |
| 20°    | 1739.3 | 1735.5 |
| 22.5°  | 1718.1 | 1714.3 |
| 25°    | 1693.1 | 1691.2 |
| 27.5°  | 1670.0 | 1672.0 |
| 30°    | 1660.4 | 1666.2 |
| 32.5°  | 1660.4 | 1670.0 |
| 35°    | 1664.3 | 1673.9 |
| 37.5°  | 1662.3 | 1673.9 |
| 40°    | 1654.6 | 1668.1 |
| 42.5°  | 1633.5 | 1643.1 |
| 45°    | 1600.8 | 1612.3 |
| 47.5°  | 1558.4 | 1566.1 |
| 50°    | 1504.6 | 1512.2 |
| 52.5°  | 1437.3 | 1439.2 |
| 55°    | 1356.5 | 1364.1 |
| 57.5°  | 1269.8 | 1271.7 |
| 60°    | 1173.6 | 1179.4 |
| 62.5°  | 1071.7 | 1071.7 |
| 65°    | 963.9  | 967.8  |
| 67.5°  | 852.4  | 861.9  |
| 70°    | 738.9  | 740.8  |
| 72.5°  | 627.3  | 627.3  |
| 75°    | 511.8  | 513.7  |
| 77.5°  | 402.1  | 402.1  |
| 80°    | 298.2  | 300.1  |
| 82.5°  | 205.9  | 209.7  |
| 85°    | 128.9  | 128.9  |
| 87.5°  | 59.7   | 53.8   |
| 90°    | 10.9   | 10.9   |
| 92.5°  | 43.8   | 35.1   |
| 95°    | 152.4  | 126.1  |
| 97.5°  | 365.3  | 315.2  |
| 100°   | 526.3  | 466.6  |
| 102.5° | 684.5  | 633.5  |
| 105°   | 886.5  | 859.0  |
| 107.5° | 1018.8 | 1025.4 |
| 110°   | 1069.2 | 1097.8 |





TEST NUMBER: P936230

CATALOG NUMBER: SQ4-FB-025U-050D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 1073.7 | 1117.6 |
| 115°   | 1045.2 | 1106.1 |
| 117.5° | 984.9  | 1052.4 |
| 120°   | 936.2  | 1001.8 |
| 122.5° | 888.9  | 953.6  |
| 125°   | 821.2  | 880.8  |
| 127.5° | 760.5  | 810.8  |
| 130°   | 724.7  | 771.2  |
| 132.5° | 692.2  | 733.8  |
| 135°   | 647.6  | 683.5  |
| 137.5° | 611.9  | 641.3  |
| 140°   | 587.4  | 614.8  |
| 142.5° | 567.1  | 590.7  |
| 145°   | 536.6  | 554.5  |
| 147.5° | 513.3  | 528.1  |
| 150°   | 498.6  | 510.5  |
| 152.5° | 485.9  | 495.0  |
| 155°   | 471.5  | 477.5  |
| 157.5° | 460.1  | 464.3  |
| 160°   | 453.2  | 455.6  |
| 162.5° | 448.7  | 451.0  |
| 165°   | 442.3  | 444.7  |
| 167.5° | 437.6  | 438.7  |
| 170°   | 436.4  | 436.4  |
| 172.5° | 433.0  | 432.1  |
| 175°   | 431.0  | 431.0  |
| 177.5° | 429.1  | 428.1  |
| 180°   | 428.1  | 428.1  |



TEST NUMBER: P936230  
 CATALOG NUMBER: SQ4-FB-025U-050D-92765-1D-UNV-STD-W-12-6500K

**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 | 4.21             | 5.25  | 5.05  | 6.11  | 7.19  | 17.41          | 18.44 | 18.24 | 19.31 | 20.38 |
|                 | 3H   | 4.93             | 5.87  | 5.78  | 6.74  | 7.84  | 19.26          | 20.20 | 20.11 | 21.07 | 22.17 |
|                 | 4H   | 5.24             | 6.12  | 6.10  | 7.00  | 8.11  | 19.92          | 20.81 | 20.78 | 21.68 | 22.80 |
|                 | 6H   | 5.50             | 6.31  | 6.37  | 7.20  | 8.33  | 20.37          | 21.18 | 21.24 | 22.07 | 23.20 |
|                 | 8H   | 5.57             | 6.35  | 6.45  | 7.25  | 8.38  | 20.49          | 21.27 | 21.38 | 22.18 | 23.30 |
|                 | 12H  | 5.59             | 6.34  | 6.48  | 7.23  | 8.39  | 20.57          | 21.31 | 21.46 | 22.21 | 23.37 |
| 4H              | 2H   | 11.46            | 12.34 | 12.33 | 13.22 | 14.34 | 17.70          | 18.59 | 18.57 | 19.46 | 20.58 |
|                 | 3H   | 13.04            | 13.78 | 13.92 | 14.69 | 15.82 | 19.77          | 20.51 | 20.65 | 21.42 | 22.55 |
|                 | 4H   | 13.14            | 13.82 | 14.03 | 14.73 | 15.88 | 20.55          | 21.22 | 21.44 | 22.13 | 23.29 |
|                 | 6H   | 13.17            | 13.75 | 14.07 | 14.68 | 15.84 | 21.10          | 21.69 | 22.01 | 22.62 | 23.77 |
|                 | 8H   | 13.15            | 13.70 | 14.06 | 14.62 | 15.79 | 21.27          | 21.82 | 22.18 | 22.74 | 23.92 |
|                 | 12H  | 13.11            | 13.61 | 14.04 | 14.55 | 15.73 | 21.38          | 21.87 | 22.30 | 22.81 | 23.99 |
| 8H              | 4H   | 14.61            | 15.16 | 15.52 | 16.08 | 17.25 | 20.62          | 21.17 | 21.53 | 22.10 | 23.27 |
|                 | 6H   | 14.86            | 15.31 | 15.79 | 16.28 | 17.45 | 21.26          | 21.72 | 22.20 | 22.69 | 23.86 |
|                 | 8H   | 14.88            | 15.28 | 15.82 | 16.24 | 17.43 | 21.49          | 21.89 | 22.43 | 22.85 | 24.04 |
|                 | 12H  | 14.86            | 15.21 | 15.81 | 16.16 | 17.40 | 21.65          | 22.00 | 22.60 | 22.95 | 24.19 |
| 12H             | 4H   | 14.76            | 15.26 | 15.69 | 16.20 | 17.38 | 20.58          | 21.08 | 21.51 | 22.02 | 23.20 |
|                 | 6H   | 15.12            | 15.53 | 16.07 | 16.48 | 17.67 | 21.25          | 21.65 | 22.19 | 22.61 | 23.80 |
|                 | 8H   | 15.20            | 15.56 | 16.15 | 16.51 | 17.74 | 21.49          | 21.85 | 22.44 | 22.80 | 24.03 |