

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: P1191340

Luminaire Tested: SQ2-FA-100U-100D-L940-UNV-STD-W-4

Issue Date: 9/23/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1191340  
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-100U-100D-L940-UNV-STD-W-4  
Description: CORELITE SQ2 LED LUMINAIRE  
FROSTED CONTINUOUS ASYMMETRIC ROLL LENS  
DOWNLIGHT 1000 LUMENS PER FOOT  
UPLIGHT 1000 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

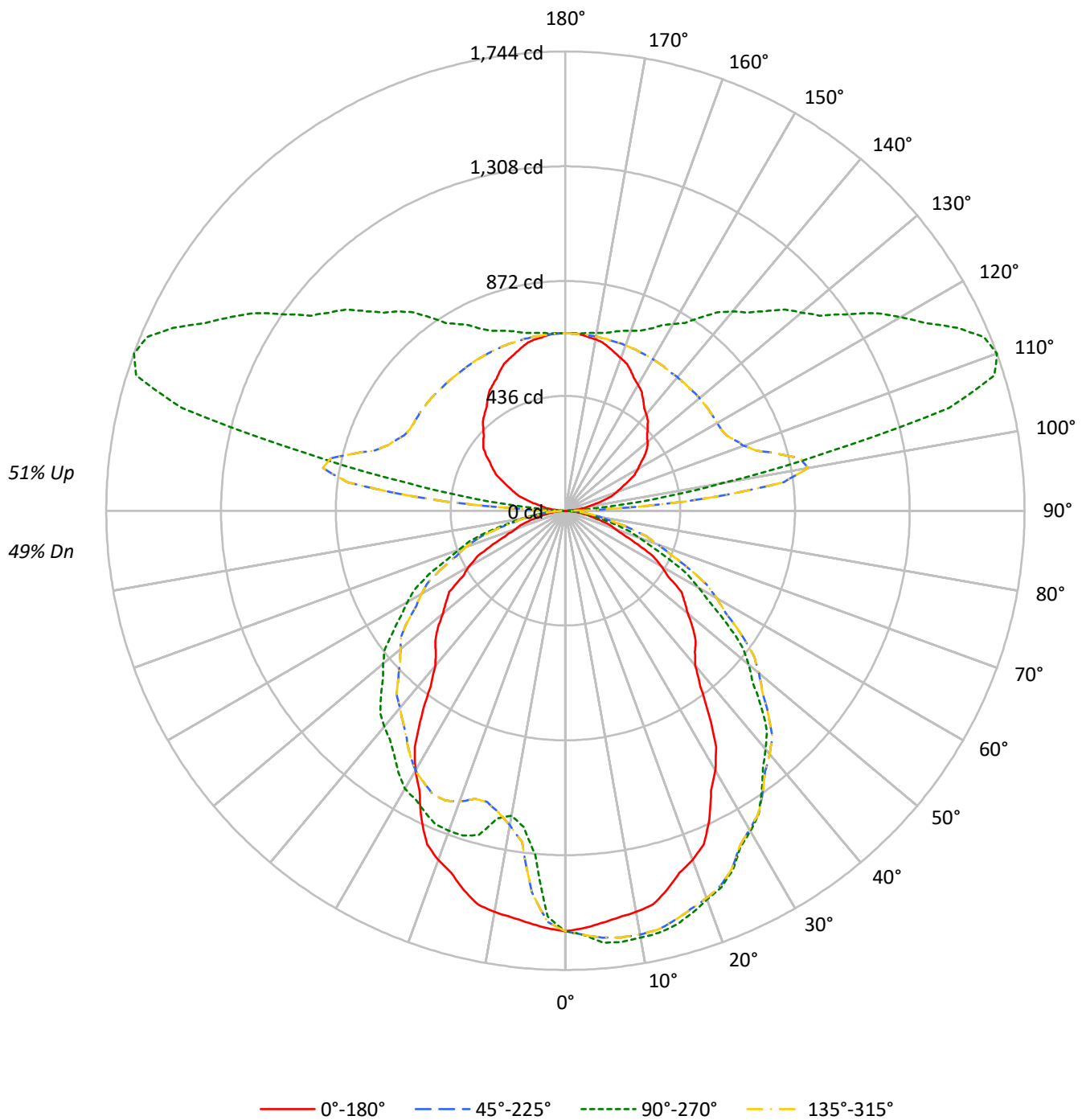
Lumens per Lamp: N/A  
Luminaire Lumens: 8159.8 lumens  
Efficiency: N/A  
Efficacy: 116.2 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 70.2  
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: P1191340

CATALOG NUMBER: SQ2-FA-100U-100D-L940-UNV-STD-W-4

### Luminous Intensity Polar Plot



TEST NUMBER: P1191340

CATALOG NUMBER: SQ2-FA-100U-100D-L940-UNV-STD-W-4

**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 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 107 | 107 | 107 | 107 | 98 | 98 | 98 | 98 | 83 | 83 | 83 | 68 | 68 | 68 | 55 | 55 | 55 |
| 1   | 98  | 93  | 90  | 86  | 90 | 86 | 83 | 80 | 73 | 70 | 68 | 60 | 59 | 57 | 49 | 48 | 47 |
| 2   | 89  | 82  | 75  | 70  | 82 | 75 | 70 | 66 | 64 | 60 | 56 | 53 | 50 | 48 | 43 | 41 | 39 |
| 3   | 81  | 72  | 64  | 59  | 74 | 66 | 60 | 55 | 56 | 51 | 47 | 47 | 43 | 40 | 38 | 36 | 33 |
| 4   | 74  | 63  | 56  | 50  | 68 | 59 | 52 | 46 | 50 | 45 | 40 | 42 | 38 | 35 | 34 | 31 | 29 |
| 5   | 68  | 56  | 48  | 42  | 62 | 52 | 45 | 40 | 45 | 39 | 35 | 37 | 33 | 30 | 31 | 28 | 25 |
| 6   | 63  | 51  | 43  | 37  | 58 | 47 | 40 | 35 | 40 | 35 | 30 | 34 | 29 | 26 | 28 | 25 | 22 |
| 7   | 58  | 46  | 38  | 32  | 53 | 42 | 35 | 30 | 36 | 31 | 27 | 31 | 26 | 23 | 25 | 22 | 20 |
| 8   | 54  | 41  | 34  | 28  | 49 | 39 | 32 | 27 | 33 | 28 | 24 | 28 | 24 | 21 | 23 | 20 | 18 |
| 9   | 50  | 38  | 30  | 25  | 46 | 35 | 29 | 24 | 30 | 25 | 21 | 26 | 22 | 18 | 21 | 18 | 16 |
| 10  | 47  | 35  | 27  | 23  | 43 | 32 | 26 | 21 | 28 | 23 | 19 | 24 | 20 | 17 | 20 | 17 | 14 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 25785 | 25785 | 25785 | 25785 |
| 5°  | 25481 | 26686 | 25481 | 21269 |
| 10° | 25371 | 26994 | 25371 | 19282 |
| 15° | 24936 | 27211 | 24936 | 21314 |
| 20° | 24249 | 27014 | 24249 | 22228 |
| 25° | 23047 | 26795 | 23047 | 22495 |
| 30° | 21233 | 26196 | 21233 | 22734 |
| 35° | 18788 | 25622 | 18788 | 22328 |
| 40° | 16177 | 24919 | 16177 | 22571 |
| 45° | 15972 | 24028 | 15972 | 22614 |
| 50° | 15237 | 22855 | 15237 | 22700 |
| 55° | 15158 | 21084 | 15158 | 22477 |
| 60° | 13592 | 18791 | 13592 | 22388 |
| 65° | 11587 | 16554 | 11587 | 21757 |
| 70° | 9352  | 14025 | 9352  | 20162 |
| 75° | 8110  | 11584 | 8110  | 18534 |
| 80° | 6908  | 8629  | 6908  | 14961 |
| 85° | 4594  | 4594  | 4594  | 9170  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 24875 cd/sqm

TEST NUMBER: P1191340

CATALOG NUMBER: SQ2-FA-100U-100D-L940-UNV-STD-W-4

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 143.7  | 1.8       |
| 10°-20°   | 401.5  | 4.9       |
| 20°-30°   | 609.8  | 7.5       |
| 30°-40°   | 715.8  | 8.8       |
| 40°-50°   | 726.4  | 8.9       |
| 50°-60°   | 636.3  | 7.8       |
| 60°-70°   | 451.4  | 5.5       |
| 70°-80°   | 232.5  | 2.8       |
| 80°-90°   | 50.0   | 0.6       |
| 90°-100°  | 281.3  | 3.4       |
| 100°-110° | 850.9  | 10.4      |
| 110°-120° | 830.6  | 10.2      |
| 120°-130° | 678.7  | 8.3       |
| 130°-140° | 554.0  | 6.8       |
| 140°-150° | 431.3  | 5.3       |
| 150°-160° | 310.9  | 3.8       |
| 160°-170° | 190.3  | 2.3       |
| 170°-180° | 64.3   | 0.8       |
| 0°-30°    | 1155.0 | 14.2      |
| 0°-40°    | 1870.8 | 22.9      |
| 0°-60°    | 3233.5 | 39.6      |
| 0°-90°    | 3967.4 | 48.6      |
| 90°-120°  | 1962.8 | 24.1      |
| 90°-150°  | 3626.9 | 44.4      |
| 90°-180°  | 4192.0 | 51.4      |
| 0°-180°   | 8159.8 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1597 | 1597 | 1597 | 1597 | 1597 |      |
| 5°   | 1572 | 1646 | 1572 | 1312 | 1572 | 149  |
| 15°  | 1492 | 1628 | 1492 | 1275 | 1492 | 419  |
| 25°  | 1294 | 1504 | 1294 | 1263 | 1294 | 591  |
| 35°  | 953  | 1300 | 953  | 1133 | 953  | 594  |
| 45°  | 700  | 1052 | 700  | 990  | 700  | 535  |
| 55°  | 538  | 749  | 538  | 798  | 538  | 466  |
| 65°  | 303  | 433  | 303  | 570  | 303  | 303  |
| 75°  | 130  | 186  | 130  | 297  | 130  | 141  |
| 85°  | 25   | 25   | 25   | 50   | 25   | 31   |
| 90°  | 0    | 6    | 0    | 6    | 0    | 2    |
| 95°  | 35   | 124  | 35   | 124  | 35   | 41   |
| 105° | 148  | 1508 | 148  | 1508 | 148  | 155  |
| 115° | 263  | 1642 | 263  | 1642 | 263  | 260  |
| 125° | 368  | 1300 | 368  | 1300 | 368  | 327  |
| 135° | 441  | 1071 | 441  | 1071 | 441  | 341  |
| 145° | 515  | 896  | 515  | 896  | 515  | 323  |
| 155° | 587  | 762  | 587  | 762  | 587  | 270  |
| 165° | 642  | 703  | 642  | 703  | 642  | 181  |
| 175° | 672  | 676  | 672  | 676  | 672  | 64   |
| 180° | 674  | 674  | 674  | 674  | 674  |      |

TEST NUMBER: P1191340

CATALOG NUMBER: SQ2-FA-100U-100D-L940-UNV-STD-W-4

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    | 112.5° | 135°   | 157.5° | 180°   | 202.5° | 225°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1597.0 | 1597.0 | 1597.0 | 1597.0 | 1597.0 | 1597.0 | 1597.0 | 1597.0 | 1597.0 | 1597.0 | 1597.0 |
| 2.5°   | 1587.1 | 1611.3 | 1611.9 | 1611.9 | 1611.9 | 1611.9 | 1611.9 | 1611.3 | 1587.1 | 1587.1 | 1562.3 |
| 5°     | 1572.2 | 1614.6 | 1627.9 | 1634.4 | 1646.5 | 1634.4 | 1627.9 | 1614.6 | 1572.2 | 1554.1 | 1454.6 |
| 7.5°   | 1557.4 | 1614.3 | 1634.1 | 1645.4 | 1651.5 | 1645.4 | 1634.1 | 1614.3 | 1557.4 | 1476.3 | 1267.7 |
| 10°    | 1547.5 | 1614.1 | 1634.1 | 1640.5 | 1646.5 | 1640.5 | 1634.1 | 1614.1 | 1547.5 | 1384.1 | 1213.2 |
| 12.5°  | 1532.6 | 1604.0 | 1629.2 | 1635.5 | 1641.6 | 1635.5 | 1629.2 | 1604.0 | 1532.6 | 1301.4 | 1173.6 |
| 15°    | 1491.8 | 1588.6 | 1609.4 | 1621.9 | 1627.9 | 1621.9 | 1609.4 | 1588.6 | 1491.8 | 1231.5 | 1145.1 |
| 17.5°  | 1441.0 | 1558.4 | 1585.9 | 1597.1 | 1601.9 | 1597.1 | 1585.9 | 1558.4 | 1441.0 | 1168.7 | 1146.4 |
| 20°    | 1411.3 | 1538.4 | 1566.0 | 1572.2 | 1572.2 | 1572.2 | 1566.0 | 1538.4 | 1411.3 | 1138.9 | 1176.1 |
| 22.5°  | 1371.7 | 1513.3 | 1541.3 | 1542.6 | 1547.5 | 1542.6 | 1541.3 | 1513.3 | 1371.7 | 1104.2 | 1190.9 |
| 25°    | 1293.7 | 1457.1 | 1498.0 | 1492.0 | 1504.1 | 1492.0 | 1498.0 | 1457.1 | 1293.7 | 1057.6 | 1188.5 |
| 27.5°  | 1198.4 | 1404.1 | 1433.6 | 1439.8 | 1439.8 | 1439.8 | 1433.6 | 1404.1 | 1198.4 | 1012.0 | 1163.7 |
| 30°    | 1138.9 | 1368.9 | 1398.9 | 1405.1 | 1405.1 | 1405.1 | 1398.9 | 1368.9 | 1138.9 | 981.6  | 1138.9 |
| 32.5°  | 1064.7 | 1338.2 | 1364.3 | 1365.5 | 1365.5 | 1365.5 | 1364.3 | 1338.2 | 1064.7 | 950.9  | 1099.3 |
| 35°    | 953.2  | 1286.1 | 1306.1 | 1305.9 | 1299.9 | 1305.9 | 1306.1 | 1286.1 | 953.2  | 904.8  | 1052.3 |
| 37.5°  | 841.8  | 1219.5 | 1246.6 | 1237.8 | 1231.8 | 1237.8 | 1246.6 | 1219.5 | 841.8  | 857.6  | 1012.7 |
| 40°    | 767.5  | 1179.1 | 1207.0 | 1188.3 | 1182.3 | 1188.3 | 1207.0 | 1179.1 | 767.5  | 822.0  | 978.0  |
| 42.5°  | 727.9  | 1134.6 | 1162.5 | 1138.8 | 1132.8 | 1138.8 | 1162.5 | 1134.6 | 727.9  | 787.2  | 948.3  |
| 45°    | 699.5  | 1062.6 | 1089.4 | 1064.4 | 1052.3 | 1064.4 | 1089.4 | 1062.6 | 699.5  | 735.8  | 897.5  |
| 47.5°  | 656.1  | 975.7  | 1013.9 | 976.5  | 964.4  | 976.5  | 1013.9 | 975.7  | 656.1  | 682.8  | 851.7  |
| 50°    | 606.6  | 921.3  | 959.4  | 922.0  | 909.9  | 922.0  | 959.4  | 921.3  | 606.6  | 642.9  | 817.1  |
| 52.5°  | 571.9  | 867.3  | 900.0  | 857.6  | 845.5  | 857.6  | 900.0  | 867.3  | 571.9  | 593.7  | 787.4  |
| 55°    | 538.5  | 786.7  | 810.9  | 767.1  | 749.0  | 767.1  | 810.9  | 786.7  | 538.5  | 520.4  | 730.4  |
| 57.5°  | 460.5  | 696.6  | 721.7  | 671.8  | 651.2  | 671.8  | 721.7  | 696.6  | 460.5  | 444.8  | 671.0  |
| 60°    | 420.9  | 632.7  | 662.3  | 612.1  | 581.9  | 612.1  | 662.3  | 632.7  | 420.9  | 390.7  | 631.4  |
| 62.5°  | 376.3  | 564.0  | 602.9  | 552.7  | 522.4  | 552.7  | 602.9  | 564.0  | 376.3  | 355.8  | 586.8  |
| 65°    | 303.3  | 466.7  | 513.8  | 463.6  | 433.3  | 463.6  | 513.8  | 466.7  | 303.3  | 315.4  | 513.8  |
| 67.5°  | 237.7  | 378.1  | 430.8  | 375.8  | 351.6  | 375.8  | 430.8  | 378.1  | 237.7  | 277.6  | 446.9  |
| 70°    | 198.1  | 319.1  | 371.4  | 321.3  | 297.1  | 321.3  | 371.4  | 319.1  | 198.1  | 252.5  | 402.3  |
| 72.5°  | 173.3  | 265.3  | 321.9  | 267.0  | 247.6  | 267.0  | 321.9  | 265.3  | 173.3  | 227.8  | 347.9  |
| 75°    | 130.0  | 184.5  | 247.6  | 197.8  | 185.7  | 197.8  | 247.6  | 184.5  | 130.0  | 184.5  | 272.4  |
| 77.5°  | 94.1   | 119.5  | 174.6  | 132.4  | 127.5  | 132.4  | 174.6  | 119.5  | 94.1   | 138.9  | 198.1  |
| 80°    | 74.3   | 80.3   | 130.0  | 92.8   | 92.8   | 92.8   | 130.0  | 80.3   | 74.3   | 104.5  | 148.6  |
| 82.5°  | 49.5   | 55.6   | 90.4   | 63.0   | 58.2   | 63.0   | 90.4   | 55.6   | 49.5   | 74.9   | 104.0  |
| 85°    | 24.8   | 24.8   | 37.1   | 24.8   | 24.8   | 24.8   | 37.1   | 24.8   | 24.8   | 36.9   | 49.5   |
| 87.5°  | 5.0    | 5.4    | 12.4   | 6.4    | 6.2    | 6.4    | 12.4   | 5.4    | 5.0    | 10.2   | 12.4   |
| 90°    | 0.0    | 2.1    | 12.7   | 7.4    | 6.3    | 7.4    | 12.7   | 2.1    | 0.0    | 2.1    | 12.7   |
| 92.5°  | 11.8   | 47.8   | 171.7  | 57.0   | 41.0   | 57.0   | 171.7  | 47.8   | 11.8   | 47.8   | 171.7  |
| 95°    | 34.9   | 110.4  | 530.9  | 196.1  | 123.7  | 196.1  | 530.9  | 110.4  | 34.9   | 110.4  | 530.9  |
| 97.5°  | 67.5   | 140.5  | 836.7  | 553.6  | 337.1  | 553.6  | 836.7  | 140.5  | 67.5   | 140.5  | 836.7  |
| 100°   | 87.8   | 159.1  | 934.8  | 903.8  | 607.0  | 903.8  | 934.8  | 159.1  | 87.8   | 159.1  | 934.8  |
| 102.5° | 110.6  | 179.5  | 914.5  | 1267.6 | 1010.5 | 1267.6 | 914.5  | 179.5  | 110.6  | 179.5  | 914.5  |
| 105°   | 148.0  | 208.0  | 835.4  | 1586.6 | 1508.0 | 1586.6 | 835.4  | 208.0  | 148.0  | 208.0  | 835.4  |
| 107.5° | 183.6  | 240.9  | 759.3  | 1618.1 | 1709.1 | 1618.1 | 759.3  | 240.9  | 183.6  | 240.9  | 759.3  |
| 110°   | 207.3  | 262.1  | 721.2  | 1578.4 | 1743.8 | 1578.4 | 721.2  | 262.1  | 207.3  | 262.1  | 721.2  |

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CATALOG NUMBER: SQ2-FA-100U-100D-L940-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 22.5° | 45°   | 67.5°  | 90°    | 112.5° | 135°  | 157.5° | 180°  | 202.5° | 225°  |
|--------|-------|-------|-------|--------|--------|--------|-------|--------|-------|--------|-------|
| 112.5° | 230.1 | 283.3 | 698.4 | 1511.7 | 1721.0 | 1511.7 | 698.4 | 283.3  | 230.1 | 283.3  | 698.4 |
| 115°   | 263.3 | 314.0 | 675.7 | 1398.3 | 1642.3 | 1398.3 | 675.7 | 314.0  | 263.3 | 314.0  | 675.7 |
| 117.5° | 296.3 | 344.3 | 667.7 | 1292.0 | 1541.8 | 1292.0 | 667.7 | 344.3  | 296.3 | 344.3  | 667.7 |
| 120°   | 318.3 | 363.8 | 665.2 | 1230.0 | 1469.9 | 1230.0 | 665.2 | 363.8  | 318.3 | 363.8  | 665.2 |
| 122.5° | 338.6 | 381.6 | 665.2 | 1175.5 | 1397.1 | 1175.5 | 665.2 | 381.6  | 338.6 | 381.6  | 665.2 |
| 125°   | 368.0 | 408.3 | 666.2 | 1104.2 | 1299.6 | 1104.2 | 666.2 | 408.3  | 368.0 | 408.3  | 666.2 |
| 127.5° | 391.9 | 433.7 | 665.2 | 1050.5 | 1217.2 | 1050.5 | 665.2 | 433.7  | 391.9 | 433.7  | 665.2 |
| 130°   | 407.1 | 450.6 | 665.2 | 1019.7 | 1170.6 | 1019.7 | 665.2 | 450.6  | 407.1 | 450.6  | 665.2 |
| 132.5° | 420.7 | 464.9 | 664.3 | 991.5  | 1130.9 | 991.5  | 664.3 | 464.9  | 420.7 | 464.9  | 664.3 |
| 135°   | 441.0 | 487.5 | 662.0 | 952.3  | 1071.2 | 952.3  | 662.0 | 487.5  | 441.0 | 487.5  | 662.0 |
| 137.5° | 463.6 | 507.9 | 662.0 | 910.5  | 1020.7 | 910.5  | 662.0 | 507.9  | 463.6 | 507.9  | 662.0 |
| 140°   | 478.0 | 521.4 | 662.0 | 883.3  | 987.7  | 883.3  | 662.0 | 521.4  | 478.0 | 521.4  | 662.0 |
| 142.5° | 492.4 | 534.1 | 661.1 | 858.4  | 949.6  | 858.4  | 661.1 | 534.1  | 492.4 | 534.1  | 661.1 |
| 145°   | 515.0 | 553.3 | 662.0 | 819.2  | 895.7  | 819.2  | 662.0 | 553.3  | 515.0 | 553.3  | 662.0 |
| 147.5° | 537.6 | 570.1 | 663.3 | 786.8  | 845.6  | 786.8  | 663.3 | 570.1  | 537.6 | 570.1  | 663.3 |
| 150°   | 552.0 | 582.0 | 664.1 | 768.9  | 818.5  | 768.9  | 664.1 | 582.0  | 552.0 | 582.0  | 664.1 |
| 152.5° | 565.5 | 592.2 | 664.9 | 753.4  | 794.0  | 753.4  | 664.9 | 592.2  | 565.5 | 592.2  | 664.9 |
| 155°   | 586.9 | 606.5 | 666.2 | 734.5  | 762.4  | 734.5  | 666.2 | 606.5  | 586.9 | 606.5  | 666.2 |
| 157.5° | 605.5 | 621.4 | 667.5 | 720.6  | 740.0  | 720.6  | 667.5 | 621.4  | 605.5 | 621.4  | 667.5 |
| 160°   | 616.5 | 630.0 | 668.3 | 712.0  | 726.5  | 712.0  | 668.3 | 630.0  | 616.5 | 630.0  | 668.3 |
| 162.5° | 627.5 | 637.6 | 669.2 | 704.3  | 716.3  | 704.3  | 669.2 | 637.6  | 627.5 | 637.6  | 669.2 |
| 165°   | 641.9 | 649.1 | 669.4 | 695.0  | 703.2  | 695.0  | 669.4 | 649.1  | 641.9 | 649.1  | 669.4 |
| 167.5° | 654.2 | 657.9 | 670.7 | 687.7  | 691.2  | 687.7  | 670.7 | 657.9  | 654.2 | 657.9  | 670.7 |
| 170°   | 660.9 | 663.0 | 671.5 | 684.2  | 685.3  | 684.2  | 671.5 | 663.0  | 660.9 | 663.0  | 671.5 |
| 172.5° | 665.2 | 666.4 | 671.5 | 680.8  | 681.0  | 680.8  | 671.5 | 666.4  | 665.2 | 666.4  | 671.5 |
| 175°   | 671.5 | 671.5 | 672.6 | 677.8  | 675.7  | 677.8  | 672.6 | 671.5  | 671.5 | 671.5  | 672.6 |
| 177.5° | 674.5 | 673.6 | 672.8 | 675.3  | 673.6  | 675.3  | 672.8 | 673.6  | 674.5 | 673.6  | 672.8 |
| 180°   | 673.6 | 673.6 | 673.6 | 673.6  | 673.6  | 673.6  | 673.6 | 673.6  | 673.6 | 673.6  | 673.6 |

TEST NUMBER: P1191340

CATALOG NUMBER: SQ2-FA-100U-100D-L940-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 270°   | 292.5° | 315°   | 337.5° | 360°   |
|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1597.0 | 1597.0 | 1597.0 | 1597.0 | 1597.0 | 1597.0 |
| 2.5°   | 1547.4 | 1542.5 | 1547.4 | 1562.3 | 1587.1 | 1587.1 |
| 5°     | 1342.5 | 1312.3 | 1342.5 | 1454.6 | 1554.1 | 1572.2 |
| 7.5°   | 1220.4 | 1210.7 | 1220.4 | 1267.7 | 1476.3 | 1557.4 |
| 10°    | 1176.1 | 1176.1 | 1176.1 | 1213.2 | 1384.1 | 1547.5 |
| 12.5°  | 1171.7 | 1195.9 | 1171.7 | 1173.6 | 1301.4 | 1532.6 |
| 15°    | 1244.9 | 1275.1 | 1244.9 | 1145.1 | 1231.5 | 1491.8 |
| 17.5°  | 1269.5 | 1293.7 | 1269.5 | 1146.4 | 1168.7 | 1441.0 |
| 20°    | 1269.5 | 1293.7 | 1269.5 | 1176.1 | 1138.9 | 1411.3 |
| 22.5°  | 1264.5 | 1288.7 | 1264.5 | 1190.9 | 1104.2 | 1371.7 |
| 25°    | 1250.6 | 1262.7 | 1250.6 | 1188.5 | 1057.6 | 1293.7 |
| 27.5°  | 1225.8 | 1234.3 | 1225.8 | 1163.7 | 1012.0 | 1198.4 |
| 30°    | 1201.3 | 1219.4 | 1201.3 | 1138.9 | 981.6  | 1138.9 |
| 32.5°  | 1176.2 | 1179.8 | 1176.2 | 1099.3 | 950.9  | 1064.7 |
| 35°    | 1138.8 | 1132.8 | 1138.8 | 1052.3 | 904.8  | 953.2  |
| 37.5°  | 1088.3 | 1095.6 | 1088.3 | 1012.7 | 857.6  | 841.8  |
| 40°    | 1058.7 | 1070.9 | 1058.7 | 978.0  | 822.0  | 767.5  |
| 42.5°  | 1029.0 | 1041.1 | 1029.0 | 948.3  | 787.2  | 727.9  |
| 45°    | 984.3  | 990.4  | 984.3  | 897.5  | 735.8  | 699.5  |
| 47.5°  | 932.3  | 938.4  | 932.3  | 851.7  | 682.8  | 656.1  |
| 50°    | 897.7  | 903.7  | 897.7  | 817.1  | 642.9  | 606.6  |
| 52.5°  | 858.1  | 864.1  | 858.1  | 787.4  | 593.7  | 571.9  |
| 55°    | 798.5  | 798.5  | 798.5  | 730.4  | 520.4  | 538.5  |
| 57.5°  | 730.6  | 737.8  | 730.6  | 671.0  | 444.8  | 460.5  |
| 60°    | 681.2  | 693.3  | 681.2  | 631.4  | 390.7  | 420.9  |
| 62.5°  | 636.5  | 643.7  | 636.5  | 586.8  | 355.8  | 376.3  |
| 65°    | 563.4  | 569.5  | 563.4  | 513.8  | 315.4  | 303.3  |
| 67.5°  | 481.7  | 486.5  | 481.7  | 446.9  | 277.6  | 237.7  |
| 70°    | 427.1  | 427.1  | 427.1  | 402.3  | 252.5  | 198.1  |
| 72.5°  | 372.7  | 377.6  | 372.7  | 347.9  | 227.8  | 173.3  |
| 75°    | 291.1  | 297.1  | 291.1  | 272.4  | 184.5  | 130.0  |
| 77.5°  | 209.4  | 215.4  | 209.4  | 198.1  | 138.9  | 94.1   |
| 80°    | 154.9  | 160.9  | 154.9  | 148.6  | 104.5  | 74.3   |
| 82.5°  | 110.2  | 111.4  | 110.2  | 104.0  | 74.9   | 49.5   |
| 85°    | 49.5   | 49.5   | 49.5   | 49.5   | 36.9   | 24.8   |
| 87.5°  | 11.4   | 11.2   | 11.4   | 12.4   | 10.2   | 5.0    |
| 90°    | 7.4    | 6.3    | 7.4    | 12.7   | 2.1    | 0.0    |
| 92.5°  | 57.0   | 41.0   | 57.0   | 171.7  | 47.8   | 11.8   |
| 95°    | 196.1  | 123.7  | 196.1  | 530.9  | 110.4  | 34.9   |
| 97.5°  | 553.6  | 337.1  | 553.6  | 836.7  | 140.5  | 67.5   |
| 100°   | 903.8  | 607.0  | 903.8  | 934.8  | 159.1  | 87.8   |
| 102.5° | 1267.6 | 1010.5 | 1267.6 | 914.5  | 179.5  | 110.6  |
| 105°   | 1586.6 | 1508.0 | 1586.6 | 835.4  | 208.0  | 148.0  |
| 107.5° | 1618.1 | 1709.1 | 1618.1 | 759.3  | 240.9  | 183.6  |
| 110°   | 1578.4 | 1743.8 | 1578.4 | 721.2  | 262.1  | 207.3  |

TEST NUMBER: P1191340

CATALOG NUMBER: SQ2-FA-100U-100D-L940-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 270°   | 292.5° | 315°  | 337.5° | 360°  |
|--------|--------|--------|--------|-------|--------|-------|
| 112.5° | 1511.7 | 1721.0 | 1511.7 | 698.4 | 283.3  | 230.1 |
| 115°   | 1398.3 | 1642.3 | 1398.3 | 675.7 | 314.0  | 263.3 |
| 117.5° | 1292.0 | 1541.8 | 1292.0 | 667.7 | 344.3  | 296.3 |
| 120°   | 1230.0 | 1469.9 | 1230.0 | 665.2 | 363.8  | 318.3 |
| 122.5° | 1175.5 | 1397.1 | 1175.5 | 665.2 | 381.6  | 338.6 |
| 125°   | 1104.2 | 1299.6 | 1104.2 | 666.2 | 408.3  | 368.0 |
| 127.5° | 1050.5 | 1217.2 | 1050.5 | 665.2 | 433.7  | 391.9 |
| 130°   | 1019.7 | 1170.6 | 1019.7 | 665.2 | 450.6  | 407.1 |
| 132.5° | 991.5  | 1130.9 | 991.5  | 664.3 | 464.9  | 420.7 |
| 135°   | 952.3  | 1071.2 | 952.3  | 662.0 | 487.5  | 441.0 |
| 137.5° | 910.5  | 1020.7 | 910.5  | 662.0 | 507.9  | 463.6 |
| 140°   | 883.3  | 987.7  | 883.3  | 662.0 | 521.4  | 478.0 |
| 142.5° | 858.4  | 949.6  | 858.4  | 661.1 | 534.1  | 492.4 |
| 145°   | 819.2  | 895.7  | 819.2  | 662.0 | 553.3  | 515.0 |
| 147.5° | 786.8  | 845.6  | 786.8  | 663.3 | 570.1  | 537.6 |
| 150°   | 768.9  | 818.5  | 768.9  | 664.1 | 582.0  | 552.0 |
| 152.5° | 753.4  | 794.0  | 753.4  | 664.9 | 592.2  | 565.5 |
| 155°   | 734.5  | 762.4  | 734.5  | 666.2 | 606.5  | 586.9 |
| 157.5° | 720.6  | 740.0  | 720.6  | 667.5 | 621.4  | 605.5 |
| 160°   | 712.0  | 726.5  | 712.0  | 668.3 | 630.0  | 616.5 |
| 162.5° | 704.3  | 716.3  | 704.3  | 669.2 | 637.6  | 627.5 |
| 165°   | 695.0  | 703.2  | 695.0  | 669.4 | 649.1  | 641.9 |
| 167.5° | 687.7  | 691.2  | 687.7  | 670.7 | 657.9  | 654.2 |
| 170°   | 684.2  | 685.3  | 684.2  | 671.5 | 663.0  | 660.9 |
| 172.5° | 680.8  | 681.0  | 680.8  | 671.5 | 666.4  | 665.2 |
| 175°   | 677.8  | 675.7  | 677.8  | 672.6 | 671.5  | 671.5 |
| 177.5° | 675.3  | 673.6  | 675.3  | 672.8 | 673.6  | 674.5 |
| 180°   | 673.6  | 673.6  | 673.6  | 673.6 | 673.6  | 673.6 |

TEST NUMBER: P1191340

CATALOG NUMBER: SQ2-FA-100U-100D-L940-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 | 17.51            | 18.36 | 18.48 | 19.34 | 20.63 | 18.74          | 19.59 | 19.71 | 20.57 | 21.86 |
|                 | 3H   | 18.60            | 19.36 | 19.58 | 20.35 | 21.67 | 19.98          | 20.74 | 20.96 | 21.73 | 23.04 |
|                 | 4H   | 18.95            | 19.67 | 19.95 | 20.67 | 21.99 | 20.37          | 21.09 | 21.36 | 22.08 | 23.40 |
|                 | 6H   | 19.12            | 19.78 | 20.12 | 20.78 | 22.11 | 20.53          | 21.19 | 21.53 | 22.19 | 23.53 |
|                 | 8H   | 19.15            | 19.78 | 20.16 | 20.80 | 22.13 | 20.55          | 21.18 | 21.56 | 22.20 | 23.53 |
|                 | 12H  | 19.15            | 19.75 | 20.16 | 20.76 | 22.11 | 20.54          | 21.14 | 21.55 | 22.15 | 23.50 |
| 4H              | 2H   | 18.44            | 19.16 | 19.44 | 20.15 | 21.48 | 19.35          | 20.07 | 20.35 | 21.07 | 22.39 |
|                 | 3H   | 19.81            | 20.40 | 20.82 | 21.43 | 22.76 | 20.80          | 21.40 | 21.81 | 22.42 | 23.76 |
|                 | 4H   | 20.25            | 20.80 | 21.27 | 21.82 | 23.17 | 21.27          | 21.81 | 22.28 | 22.83 | 24.19 |
|                 | 6H   | 20.48            | 20.95 | 21.51 | 21.99 | 23.34 | 21.49          | 21.96 | 22.52 | 23.00 | 24.35 |
|                 | 8H   | 20.53            | 20.97 | 21.56 | 22.01 | 23.38 | 21.54          | 21.97 | 22.57 | 23.01 | 24.38 |
|                 | 12H  | 20.54            | 20.93 | 21.58 | 21.98 | 23.36 | 21.52          | 21.92 | 22.57 | 22.97 | 24.34 |
| 8H              | 4H   | 20.65            | 21.09 | 21.68 | 22.12 | 23.49 | 21.48          | 21.91 | 22.51 | 22.95 | 24.32 |
|                 | 6H   | 20.99            | 21.36 | 22.05 | 22.43 | 23.80 | 21.79          | 22.15 | 22.84 | 23.22 | 24.59 |
|                 | 8H   | 21.11            | 21.43 | 22.17 | 22.49 | 23.87 | 21.88          | 22.20 | 22.94 | 23.26 | 24.65 |
|                 | 12H  | 21.14            | 21.42 | 22.21 | 22.48 | 23.91 | 21.89          | 22.17 | 22.96 | 23.23 | 24.66 |
| 12H             | 4H   | 20.65            | 21.05 | 21.70 | 22.10 | 23.47 | 21.44          | 21.84 | 22.49 | 22.89 | 24.26 |
|                 | 6H   | 21.07            | 21.39 | 22.13 | 22.45 | 23.83 | 21.81          | 22.13 | 22.87 | 23.19 | 24.57 |
|                 | 8H   | 21.21            | 21.49 | 22.27 | 22.54 | 23.97 | 21.92          | 22.20 | 22.98 | 23.25 | 24.68 |