

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: P936481

Luminaire Tested: SQ4-FB-025U-100D-B2750-1D-UNV-W2A-W-12-5000K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P936481  
REPORT IS A COMBINATION OF REPORTS P933431 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-025U-100D-B2750-1D-UNV-W2A-W-12-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

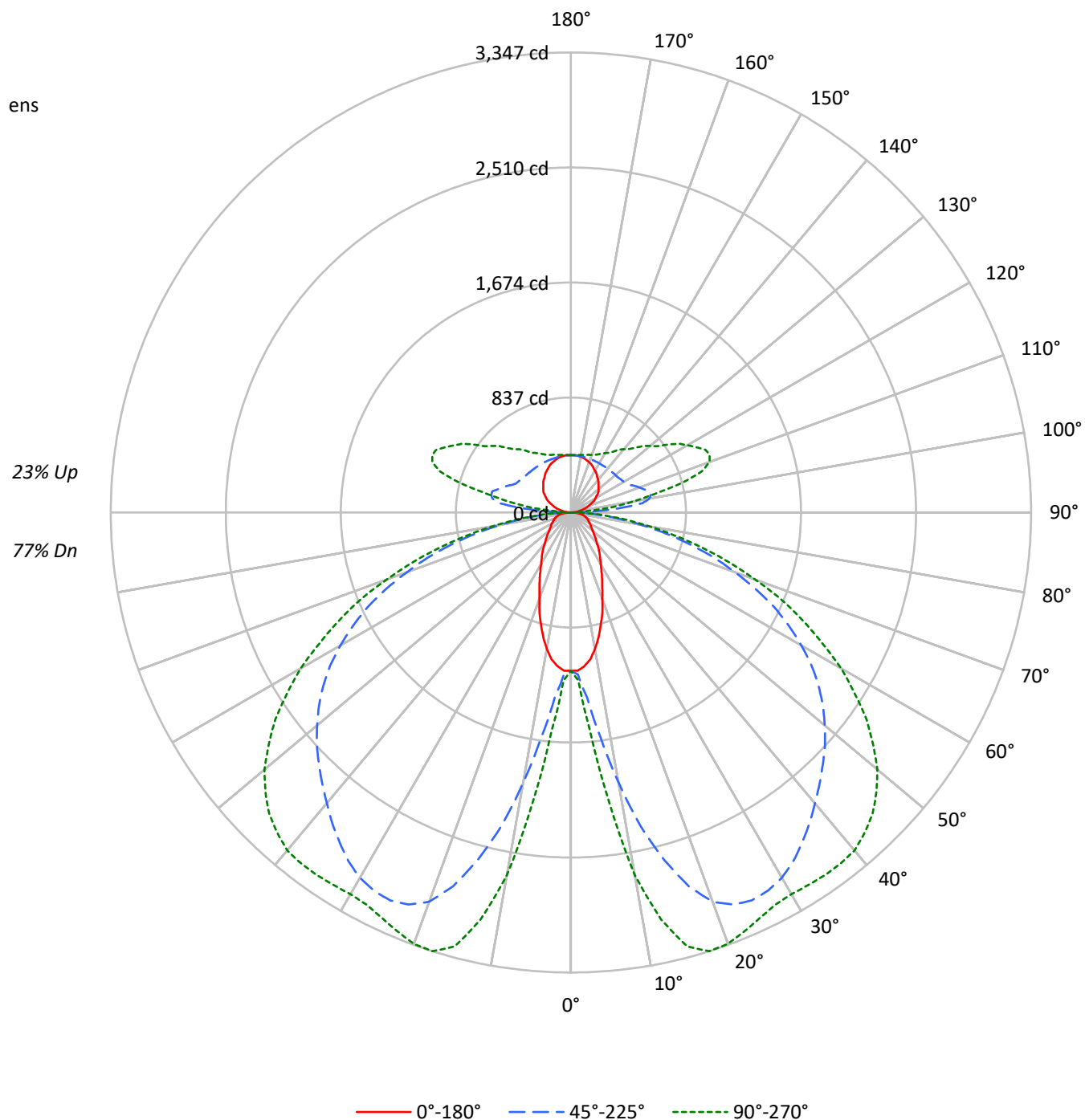
Lumens per Lamp: N/A  
Luminaire Lumens: 11619.0 lumens  
Efficiency: N/A  
Efficacy: 99.8 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 116.4  
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: P936481

CATALOG NUMBER: SQ4-FB-025U-100D-B2750-1D-UNV-W2A-W-12-5000K

### Luminous Intensity Polar Plot



TEST NUMBER: P936481

CATALOG NUMBER: SQ4-FB-025U-100D-B2750-1D-UNV-W2A-W-12-5000K

**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   | 113 | 113 | 113 | 113 | 108 | 108 | 108 | 108 | 98 | 98 | 98 | 89 | 89 | 89 | 81 | 81 | 81 |
| 1   | 103 | 98  | 94  | 90  | 98  | 94  | 90  | 86  | 85 | 82 | 79 | 77 | 75 | 73 | 70 | 68 | 66 |
| 2   | 93  | 85  | 78  | 72  | 88  | 81  | 75  | 69  | 73 | 68 | 64 | 67 | 63 | 59 | 61 | 57 | 55 |
| 3   | 84  | 74  | 65  | 59  | 80  | 70  | 63  | 57  | 64 | 58 | 53 | 58 | 53 | 49 | 53 | 49 | 45 |
| 4   | 77  | 65  | 56  | 49  | 73  | 62  | 54  | 47  | 56 | 50 | 44 | 51 | 46 | 41 | 47 | 42 | 38 |
| 5   | 70  | 57  | 48  | 42  | 66  | 55  | 46  | 40  | 50 | 43 | 38 | 46 | 40 | 35 | 41 | 37 | 33 |
| 6   | 64  | 51  | 42  | 36  | 61  | 49  | 41  | 35  | 45 | 38 | 32 | 41 | 35 | 30 | 37 | 32 | 28 |
| 7   | 59  | 46  | 37  | 31  | 56  | 44  | 36  | 30  | 40 | 33 | 28 | 37 | 31 | 27 | 34 | 29 | 25 |
| 8   | 55  | 42  | 33  | 27  | 52  | 40  | 32  | 26  | 37 | 30 | 25 | 34 | 28 | 23 | 31 | 26 | 22 |
| 9   | 51  | 38  | 30  | 24  | 49  | 36  | 29  | 23  | 33 | 27 | 22 | 31 | 25 | 21 | 28 | 23 | 19 |
| 10  | 48  | 35  | 27  | 21  | 45  | 33  | 26  | 21  | 31 | 24 | 20 | 28 | 23 | 19 | 26 | 21 | 17 |

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

|     | 0°   | 45°  | 90°   |
|-----|------|------|-------|
| 0°  | 3561 | 3561 | 3561  |
| 5°  | 3480 | 4117 | 4787  |
| 10° | 3158 | 6003 | 7935  |
| 15° | 2685 | 7844 | 9582  |
| 20° | 2187 | 9093 | 9766  |
| 25° | 1825 | 9517 | 9567  |
| 30° | 1539 | 9580 | 9549  |
| 35° | 1362 | 9423 | 9796  |
| 40° | 1188 | 9219 | 10051 |
| 45° | 1076 | 9070 | 10091 |
| 50° | 988  | 8937 | 9924  |
| 55° | 947  | 8741 | 9484  |
| 60° | 971  | 8361 | 8789  |
| 65° | 1012 | 7781 | 7835  |
| 70° | 1080 | 6791 | 6619  |
| 75° | 1202 | 5542 | 5166  |
| 80° | 1322 | 3848 | 3480  |
| 85° | 1199 | 2045 | 1782  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 10091 cd/sqm

TEST NUMBER: P936481

CATALOG NUMBER: SQ4-FB-025U-100D-B2750-1D-UNV-W2A-W-12-5000K

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 148.9   | 1.3       |
| 10°-20°   | 660.1   | 5.7       |
| 20°-30°   | 1154.5  | 9.9       |
| 30°-40°   | 1486.2  | 12.8      |
| 40°-50°   | 1660.1  | 14.3      |
| 50°-60°   | 1590.0  | 13.7      |
| 60°-70°   | 1260.1  | 10.8      |
| 70°-80°   | 740.9   | 6.4       |
| 80°-90°   | 207.4   | 1.8       |
| 90°-100°  | 203.8   | 1.8       |
| 100°-110° | 535.9   | 4.6       |
| 110°-120° | 555.7   | 4.8       |
| 120°-130° | 445.7   | 3.8       |
| 130°-140° | 349.7   | 3.0       |
| 140°-150° | 268.4   | 2.3       |
| 150°-160° | 193.3   | 1.7       |
| 160°-170° | 118.3   | 1.0       |
| 170°-180° | 40.0    | 0.3       |
| 0°-30°    | 1963.5  | 16.9      |
| 0°-40°    | 3449.8  | 29.7      |
| 0°-60°    | 6699.8  | 57.7      |
| 0°-90°    | 8908.2  | 76.7      |
| 90°-120°  | 1295.4  | 11.1      |
| 90°-150°  | 2359.2  | 20.3      |
| 90°-180°  | 2711.0  | 23.3      |
| 0°-180°   | 11619.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1151 | 1151  | 1151 | 1151  | 1151 |      |
| 5°   | 1122 | 1203  | 1355 | 1533  | 1588 | 104  |
| 15°  | 840  | 1551  | 2614 | 3169  | 3269 | 234  |
| 25°  | 537  | 1758  | 3113 | 3250  | 3254 | 247  |
| 35°  | 363  | 1681  | 2932 | 3098  | 3221 | 227  |
| 45°  | 248  | 1340  | 2591 | 2969  | 3102 | 192  |
| 55°  | 178  | 851   | 2199 | 2554  | 2625 | 162  |
| 65°  | 141  | 452   | 1632 | 1836  | 1862 | 139  |
| 75°  | 104  | 278   | 896  | 985   | 988  | 109  |
| 85°  | 37   | 85    | 222  | 244   | 248  | 39   |
| 90°  | 3    | 8     | 21   | 11    | 11   | 5    |
| 95°  | 27   | 106   | 351  | 181   | 123  | 30   |
| 105° | 97   | 146   | 592  | 899   | 839  | 102  |
| 115° | 172  | 208   | 475  | 947   | 1080 | 169  |
| 125° | 238  | 268   | 432  | 729   | 860  | 212  |
| 135° | 284  | 313   | 418  | 589   | 668  | 220  |
| 145° | 330  | 351   | 413  | 502   | 542  | 207  |
| 155° | 373  | 383   | 413  | 453   | 466  | 171  |
| 165° | 402  | 408   | 413  | 429   | 434  | 114  |
| 175° | 418  | 418   | 416  | 421   | 421  | 40   |
| 180° | 418  | 418   | 418  | 418   | 418  |      |

TEST NUMBER: P936481

CATALOG NUMBER: SQ4-FB-025U-100D-B2750-1D-UNV-W2A-W-12-5000K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1151.3 | 1151.3 | 1151.3 | 1151.3 | 1151.3 | 1151.3 | 1151.3 | 1151.3 | 1151.3 | 1151.3 | 1151.3 |
| 2.5°   | 1151.3 | 1151.3 | 1158.7 | 1162.5 | 1169.8 | 1173.6 | 1180.9 | 1188.3 | 1210.6 | 1214.3 | 1221.7 |
| 5°     | 1121.7 | 1136.5 | 1184.7 | 1203.2 | 1255.0 | 1325.3 | 1355.0 | 1403.1 | 1503.0 | 1532.6 | 1551.1 |
| 7.5°   | 1077.3 | 1110.6 | 1229.1 | 1258.7 | 1388.2 | 1573.3 | 1651.1 | 1754.7 | 1914.0 | 1991.7 | 2054.6 |
| 10°    | 1006.9 | 1077.3 | 1288.3 | 1358.6 | 1569.7 | 1851.0 | 1995.4 | 2139.8 | 2380.4 | 2487.7 | 2528.4 |
| 12.5°  | 929.2  | 1043.9 | 1351.2 | 1447.5 | 1751.1 | 2161.9 | 2335.9 | 2495.2 | 2769.1 | 2913.5 | 2935.7 |
| 15°    | 840.3  | 995.8  | 1410.4 | 1551.1 | 1943.6 | 2421.1 | 2613.6 | 2809.8 | 3065.3 | 3168.9 | 3194.8 |
| 17.5°  | 762.6  | 958.8  | 1466.0 | 1614.0 | 2091.6 | 2654.3 | 2850.6 | 3013.5 | 3220.7 | 3291.0 | 3309.6 |
| 20°    | 666.3  | 899.6  | 1503.0 | 1695.5 | 2247.1 | 2824.6 | 3013.5 | 3139.3 | 3279.9 | 3324.4 | 3331.8 |
| 22.5°  | 596.0  | 836.7  | 1525.2 | 1725.1 | 2350.8 | 2928.3 | 3087.4 | 3187.5 | 3283.7 | 3298.5 | 3302.2 |
| 25°    | 536.8  | 766.3  | 1521.5 | 1758.4 | 2439.6 | 2991.2 | 3113.4 | 3187.5 | 3242.9 | 3250.3 | 3250.3 |
| 27.5°  | 481.3  | 688.5  | 1506.7 | 1765.8 | 2506.3 | 3006.0 | 3102.3 | 3154.1 | 3180.0 | 3194.8 | 3194.8 |
| 30°    | 433.1  | 614.6  | 1469.6 | 1751.1 | 2535.9 | 2991.2 | 3068.9 | 3094.9 | 3120.8 | 3143.0 | 3154.1 |
| 32.5°  | 396.1  | 544.1  | 1414.2 | 1721.5 | 2539.5 | 2954.2 | 3009.7 | 3024.6 | 3061.6 | 3113.4 | 3131.9 |
| 35°    | 362.8  | 473.8  | 1351.2 | 1680.7 | 2517.3 | 2894.9 | 2932.0 | 2946.8 | 3020.8 | 3098.5 | 3124.5 |
| 37.5°  | 329.5  | 422.1  | 1269.8 | 1610.4 | 2484.1 | 2824.6 | 2850.6 | 2876.4 | 2991.2 | 3083.8 | 3113.4 |
| 40°    | 296.2  | 377.6  | 1173.6 | 1532.6 | 2432.2 | 2739.5 | 2761.7 | 2802.4 | 2954.2 | 3061.6 | 3091.2 |
| 42.5°  | 270.2  | 340.6  | 1069.9 | 1451.2 | 2365.5 | 2643.2 | 2676.6 | 2735.8 | 2909.8 | 3024.6 | 3057.8 |
| 45°    | 248.1  | 303.6  | 958.8  | 1340.1 | 2280.5 | 2543.3 | 2591.4 | 2672.8 | 2857.9 | 2969.0 | 2998.6 |
| 47.5°  | 225.8  | 277.7  | 844.1  | 1225.4 | 2187.9 | 2443.3 | 2506.3 | 2598.8 | 2787.6 | 2894.9 | 2920.9 |
| 50°    | 207.3  | 251.7  | 729.3  | 1103.2 | 2088.0 | 2335.9 | 2410.0 | 2506.3 | 2698.8 | 2798.7 | 2832.1 |
| 52.5°  | 192.5  | 229.5  | 622.0  | 981.1  | 1973.2 | 2224.9 | 2310.1 | 2410.0 | 2591.4 | 2687.7 | 2709.9 |
| 55°    | 177.7  | 211.0  | 529.4  | 851.4  | 1854.7 | 2106.5 | 2199.0 | 2295.2 | 2473.0 | 2554.4 | 2569.2 |
| 57.5°  | 170.3  | 196.2  | 451.7  | 729.3  | 1728.8 | 1973.2 | 2076.8 | 2165.7 | 2332.3 | 2395.1 | 2410.0 |
| 60°    | 159.2  | 185.1  | 392.4  | 625.6  | 1591.8 | 1847.3 | 1936.2 | 2025.0 | 2165.7 | 2217.5 | 2228.6 |
| 62.5°  | 148.0  | 177.7  | 348.0  | 525.7  | 1451.2 | 1699.2 | 1788.0 | 1869.5 | 1988.0 | 2025.0 | 2039.8 |
| 65°    | 140.7  | 170.3  | 314.7  | 451.7  | 1306.9 | 1543.7 | 1632.5 | 1703.0 | 1799.2 | 1836.2 | 1843.6 |
| 67.5°  | 133.3  | 162.9  | 288.8  | 388.7  | 1162.5 | 1388.2 | 1454.9 | 1521.5 | 1595.6 | 1632.5 | 1636.3 |
| 70°    | 122.2  | 155.5  | 266.6  | 344.3  | 1014.3 | 1210.6 | 1266.1 | 1336.5 | 1395.7 | 1414.2 | 1425.3 |
| 72.5°  | 114.8  | 144.4  | 251.7  | 310.9  | 862.5  | 1040.3 | 1092.1 | 1132.8 | 1184.7 | 1203.2 | 1203.2 |
| 75°    | 103.7  | 129.5  | 237.0  | 277.7  | 707.0  | 851.4  | 895.9  | 936.6  | 977.3  | 984.7  | 973.6  |
| 77.5°  | 92.6   | 114.8  | 203.6  | 233.2  | 551.6  | 673.8  | 710.8  | 733.0  | 766.3  | 773.7  | 777.5  |
| 80°    | 77.7   | 99.9   | 159.2  | 181.4  | 399.8  | 496.0  | 522.0  | 540.5  | 570.1  | 570.1  | 577.5  |
| 82.5°  | 59.2   | 77.7   | 114.8  | 129.5  | 270.2  | 340.6  | 362.8  | 373.9  | 392.4  | 392.4  | 392.4  |
| 85°    | 37.0   | 48.1   | 74.1   | 85.2   | 162.9  | 207.3  | 222.1  | 225.8  | 240.6  | 244.3  | 244.3  |
| 87.5°  | 18.5   | 25.9   | 48.1   | 51.8   | 85.2   | 107.3  | 107.3  | 114.8  | 114.8  | 111.1  | 107.3  |
| 90°    | 2.8    | 5.0    | 7.3    | 7.8    | 12.3   | 18.3   | 21.3   | 19.0   | 14.2   | 10.6   | 10.6   |
| 92.5°  | 11.2   | 30.3   | 49.4   | 54.2   | 76.1   | 105.4  | 120.1  | 105.3  | 75.6   | 53.3   | 51.2   |
| 95°    | 26.9   | 61.8   | 96.8   | 105.5  | 187.4  | 296.5  | 351.1  | 313.3  | 237.7  | 181.0  | 174.6  |
| 97.5°  | 46.6   | 77.4   | 108.3  | 115.9  | 252.4  | 434.4  | 525.4  | 501.5  | 453.7  | 417.9  | 405.6  |
| 100°   | 61.7   | 89.7   | 117.6  | 124.6  | 276.1  | 478.0  | 579.0  | 580.8  | 584.2  | 586.8  | 572.3  |
| 102.5° | 74.6   | 100.7  | 126.7  | 133.3  | 286.9  | 491.8  | 594.1  | 624.6  | 685.4  | 731.0  | 718.5  |
| 105°   | 96.6   | 118.6  | 140.7  | 146.2  | 295.0  | 493.2  | 592.4  | 660.6  | 797.1  | 899.4  | 892.7  |
| 107.5° | 119.0  | 139.5  | 160.2  | 165.3  | 296.5  | 471.3  | 558.7  | 653.9  | 844.2  | 987.1  | 988.6  |
| 110°   | 134.1  | 152.7  | 171.3  | 176.0  | 294.2  | 451.9  | 530.7  | 637.1  | 849.8  | 1009.5 | 1016.5 |

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CATALOG NUMBER: SQ4-FB-025U-100D-B2750-1D-UNV-W2A-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°   | 60°   | 67.5° | 70°    |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 149.1 | 166.7 | 184.5 | 188.9 | 294.3 | 434.9 | 505.2 | 614.1 | 831.8 | 995.2 | 1005.9 |
| 115°   | 171.5 | 187.8 | 204.2 | 208.3 | 297.0 | 415.3 | 474.6 | 579.5 | 789.2 | 946.6 | 961.5  |
| 117.5° | 193.6 | 208.5 | 223.3 | 227.1 | 302.5 | 403.2 | 453.6 | 548.3 | 737.6 | 879.5 | 896.1  |
| 120°   | 206.5 | 220.5 | 234.5 | 238.0 | 307.0 | 399.0 | 445.1 | 531.5 | 704.6 | 834.3 | 850.4  |
| 122.5° | 219.2 | 233.3 | 247.3 | 250.9 | 313.5 | 396.9 | 438.6 | 516.5 | 672.3 | 789.1 | 804.9  |
| 125°   | 238.5 | 251.4 | 264.3 | 267.5 | 322.2 | 395.2 | 431.6 | 497.7 | 630.1 | 729.4 | 743.9  |
| 127.5° | 254.2 | 267.2 | 280.2 | 283.5 | 330.9 | 394.1 | 425.7 | 482.5 | 596.2 | 681.4 | 693.7  |
| 130°   | 262.6 | 276.7 | 290.7 | 294.1 | 337.3 | 394.7 | 423.5 | 474.1 | 575.3 | 651.1 | 662.5  |
| 132.5° | 271.4 | 285.3 | 299.3 | 302.8 | 342.4 | 395.2 | 421.5 | 466.8 | 557.4 | 625.3 | 635.5  |
| 135°   | 284.3 | 297.0 | 309.7 | 312.9 | 348.0 | 394.8 | 418.2 | 456.1 | 531.9 | 588.8 | 597.6  |
| 137.5° | 297.5 | 310.1 | 322.6 | 325.8 | 356.4 | 397.2 | 417.6 | 449.6 | 513.7 | 561.8 | 569.0  |
| 140°   | 308.4 | 320.0 | 331.7 | 334.6 | 361.6 | 397.6 | 415.6 | 443.3 | 498.7 | 540.2 | 547.0  |
| 142.5° | 316.8 | 327.6 | 338.3 | 341.0 | 365.8 | 399.0 | 415.6 | 439.9 | 488.6 | 525.1 | 530.9  |
| 145°   | 329.8 | 339.1 | 348.5 | 350.8 | 371.5 | 399.0 | 412.8 | 432.7 | 472.5 | 502.3 | 506.7  |
| 147.5° | 342.7 | 351.7 | 360.9 | 363.1 | 379.7 | 401.8 | 412.8 | 428.5 | 459.8 | 483.3 | 486.9  |
| 150°   | 351.1 | 359.3 | 367.5 | 369.6 | 384.0 | 403.2 | 412.8 | 426.1 | 452.5 | 472.3 | 475.2  |
| 152.5° | 359.8 | 366.0 | 372.2 | 373.8 | 386.8 | 404.1 | 412.8 | 424.1 | 446.7 | 463.6 | 465.9  |
| 155°   | 372.7 | 377.2 | 381.9 | 383.0 | 392.9 | 406.2 | 412.8 | 421.8 | 439.8 | 453.3 | 454.8  |
| 157.5° | 382.2 | 386.7 | 391.3 | 392.4 | 399.2 | 408.3 | 412.8 | 419.8 | 433.7 | 444.2 | 445.2  |
| 160°   | 388.7 | 392.2 | 395.7 | 396.6 | 402.0 | 409.2 | 412.8 | 418.8 | 430.8 | 439.7 | 440.3  |
| 162.5° | 395.2 | 397.8 | 400.4 | 401.1 | 405.0 | 410.2 | 412.8 | 417.9 | 428.0 | 435.5 | 436.1  |
| 165°   | 402.2 | 404.5 | 406.9 | 407.5 | 409.3 | 411.6 | 412.8 | 416.5 | 423.7 | 429.1 | 429.6  |
| 167.5° | 408.6 | 409.7 | 410.9 | 411.1 | 412.6 | 414.6 | 415.6 | 418.0 | 422.7 | 426.3 | 426.6  |
| 170°   | 412.8 | 413.9 | 415.1 | 415.3 | 415.4 | 415.5 | 415.6 | 418.0 | 422.7 | 426.3 | 426.3  |
| 172.5° | 415.1 | 415.3 | 415.5 | 415.6 | 415.6 | 415.6 | 415.6 | 417.5 | 421.2 | 424.0 | 423.8  |
| 175°   | 418.2 | 418.2 | 418.2 | 418.2 | 417.3 | 416.2 | 415.6 | 416.8 | 419.2 | 421.0 | 421.0  |
| 177.5° | 418.2 | 418.2 | 418.2 | 418.2 | 417.5 | 416.7 | 416.2 | 417.1 | 419.0 | 420.4 | 420.1  |
| 180°   | 418.2 | 418.2 | 418.2 | 418.2 | 418.2 | 418.2 | 418.2 | 418.2 | 418.2 | 418.2 | 418.2  |

TEST NUMBER: P936481

CATALOG NUMBER: SQ4-FB-025U-100D-B2750-1D-UNV-W2A-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 1151.3 | 1151.3 |
| 2.5°   | 1229.1 | 1221.7 |
| 5°     | 1580.8 | 1588.2 |
| 7.5°   | 2128.7 | 2124.9 |
| 10°    | 2647.0 | 2680.2 |
| 12.5°  | 3024.6 | 3032.0 |
| 15°    | 3254.1 | 3268.9 |
| 17.5°  | 3342.9 | 3346.6 |
| 20°    | 3346.6 | 3339.2 |
| 22.5°  | 3305.9 | 3298.5 |
| 25°    | 3257.8 | 3254.1 |
| 27.5°  | 3213.3 | 3217.1 |
| 30°    | 3194.8 | 3206.0 |
| 32.5°  | 3194.8 | 3213.3 |
| 35°    | 3202.2 | 3220.7 |
| 37.5°  | 3198.5 | 3220.7 |
| 40°    | 3183.7 | 3209.6 |
| 42.5°  | 3143.0 | 3161.5 |
| 45°    | 3080.1 | 3102.3 |
| 47.5°  | 2998.6 | 3013.5 |
| 50°    | 2894.9 | 2909.8 |
| 52.5°  | 2765.4 | 2769.1 |
| 55°    | 2609.9 | 2624.7 |
| 57.5°  | 2443.3 | 2447.0 |
| 60°    | 2258.2 | 2269.3 |
| 62.5°  | 2062.0 | 2062.0 |
| 65°    | 1854.7 | 1862.1 |
| 67.5°  | 1640.0 | 1658.5 |
| 70°    | 1421.5 | 1425.3 |
| 72.5°  | 1206.8 | 1206.8 |
| 75°    | 984.7  | 988.5  |
| 77.5°  | 773.7  | 773.7  |
| 80°    | 573.8  | 577.5  |
| 82.5°  | 396.1  | 403.5  |
| 85°    | 248.1  | 248.1  |
| 87.5°  | 114.8  | 103.7  |
| 90°    | 10.6   | 10.6   |
| 92.5°  | 42.8   | 34.3   |
| 95°    | 148.9  | 123.2  |
| 97.5°  | 356.8  | 307.8  |
| 100°   | 514.1  | 455.8  |
| 102.5° | 668.7  | 618.8  |
| 105°   | 865.9  | 839.1  |
| 107.5° | 995.2  | 1001.6 |
| 110°   | 1044.4 | 1072.3 |

TEST NUMBER: P936481

CATALOG NUMBER: SQ4-FB-025U-100D-B2750-1D-UNV-W2A-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 1048.8 | 1091.7 |
| 115°   | 1021.0 | 1080.5 |
| 117.5° | 962.0  | 1028.0 |
| 120°   | 914.5  | 978.6  |
| 122.5° | 868.2  | 931.5  |
| 125°   | 802.1  | 860.4  |
| 127.5° | 742.8  | 791.9  |
| 130°   | 707.9  | 753.3  |
| 132.5° | 676.1  | 716.8  |
| 135°   | 632.6  | 667.6  |
| 137.5° | 597.7  | 626.4  |
| 140°   | 573.8  | 600.6  |
| 142.5° | 554.0  | 577.0  |
| 145°   | 524.2  | 541.6  |
| 147.5° | 501.4  | 515.8  |
| 150°   | 487.0  | 498.7  |
| 152.5° | 474.7  | 483.5  |
| 155°   | 460.6  | 466.4  |
| 157.5° | 449.4  | 453.6  |
| 160°   | 442.7  | 445.1  |
| 162.5° | 438.3  | 440.6  |
| 165°   | 432.1  | 434.4  |
| 167.5° | 427.5  | 428.5  |
| 170°   | 426.3  | 426.3  |
| 172.5° | 422.9  | 422.1  |
| 175°   | 421.0  | 421.0  |
| 177.5° | 419.2  | 418.2  |
| 180°   | 418.2  | 418.2  |

TEST NUMBER: P936481

CATALOG NUMBER: SQ4-FB-025U-100D-B2750-1D-UNV-W2A-W-12-5000K

**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 | 7.55             | 8.79  | 8.23  | 9.49  | 10.32 | 20.75          | 21.98 | 21.43 | 22.68 | 23.51 |
|                 | 3H   | 8.29             | 9.40  | 8.98  | 10.12 | 10.98 | 22.62          | 23.73 | 23.31 | 24.45 | 25.31 |
|                 | 4H   | 8.60             | 9.65  | 9.31  | 10.38 | 11.25 | 23.28          | 24.34 | 23.99 | 25.06 | 25.93 |
|                 | 6H   | 8.87             | 9.85  | 9.60  | 10.58 | 11.47 | 23.74          | 24.71 | 24.46 | 25.45 | 26.33 |
|                 | 8H   | 8.95             | 9.88  | 9.69  | 10.64 | 11.53 | 23.87          | 24.80 | 24.61 | 25.56 | 26.45 |
|                 | 12H  | 8.98             | 9.87  | 9.72  | 10.62 | 11.54 | 23.95          | 24.84 | 24.70 | 25.59 | 26.51 |
| 4H              | 2H   | 14.82            | 15.87 | 15.54 | 16.60 | 17.47 | 21.06          | 22.12 | 21.78 | 22.84 | 23.71 |
|                 | 3H   | 16.42            | 17.31 | 17.15 | 18.07 | 18.96 | 23.15          | 24.03 | 23.88 | 24.79 | 25.68 |
|                 | 4H   | 16.53            | 17.34 | 17.28 | 18.10 | 19.02 | 23.93          | 24.74 | 24.68 | 25.50 | 26.42 |
|                 | 6H   | 16.56            | 17.27 | 17.33 | 18.05 | 18.98 | 24.50          | 25.20 | 25.26 | 25.99 | 26.92 |
|                 | 8H   | 16.55            | 17.21 | 17.32 | 17.99 | 18.93 | 24.67          | 25.33 | 25.44 | 26.11 | 27.06 |
|                 | 12H  | 16.53            | 17.12 | 17.32 | 17.93 | 18.87 | 24.79          | 25.38 | 25.58 | 26.19 | 27.13 |
| 8H              | 4H   | 18.01            | 18.67 | 18.78 | 19.45 | 20.39 | 24.03          | 24.68 | 24.79 | 25.47 | 26.41 |
|                 | 6H   | 18.27            | 18.82 | 19.07 | 19.64 | 20.59 | 24.68          | 25.22 | 25.47 | 26.05 | 26.99 |
|                 | 8H   | 18.29            | 18.78 | 19.10 | 19.61 | 20.56 | 24.90          | 25.39 | 25.71 | 26.22 | 27.17 |
|                 | 12H  | 18.28            | 18.71 | 19.09 | 19.53 | 20.54 | 25.07          | 25.50 | 25.88 | 26.32 | 27.33 |
| 12H             | 4H   | 18.17            | 18.77 | 18.96 | 19.57 | 20.52 | 24.00          | 24.59 | 24.79 | 25.40 | 26.34 |
|                 | 6H   | 18.54            | 19.02 | 19.35 | 19.85 | 20.81 | 24.66          | 25.15 | 25.47 | 25.98 | 26.93 |
|                 | 8H   | 18.62            | 19.05 | 19.44 | 19.87 | 20.88 | 24.92          | 25.35 | 25.73 | 26.16 | 27.18 |