

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: P938194

Luminaire Tested: SQ4-FB-125U-125D-B2750-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P938194  
REPORT IS A COMBINATION OF REPORTS P933616 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-125U-125D-B2750-1D-UNV-STD-W-8-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

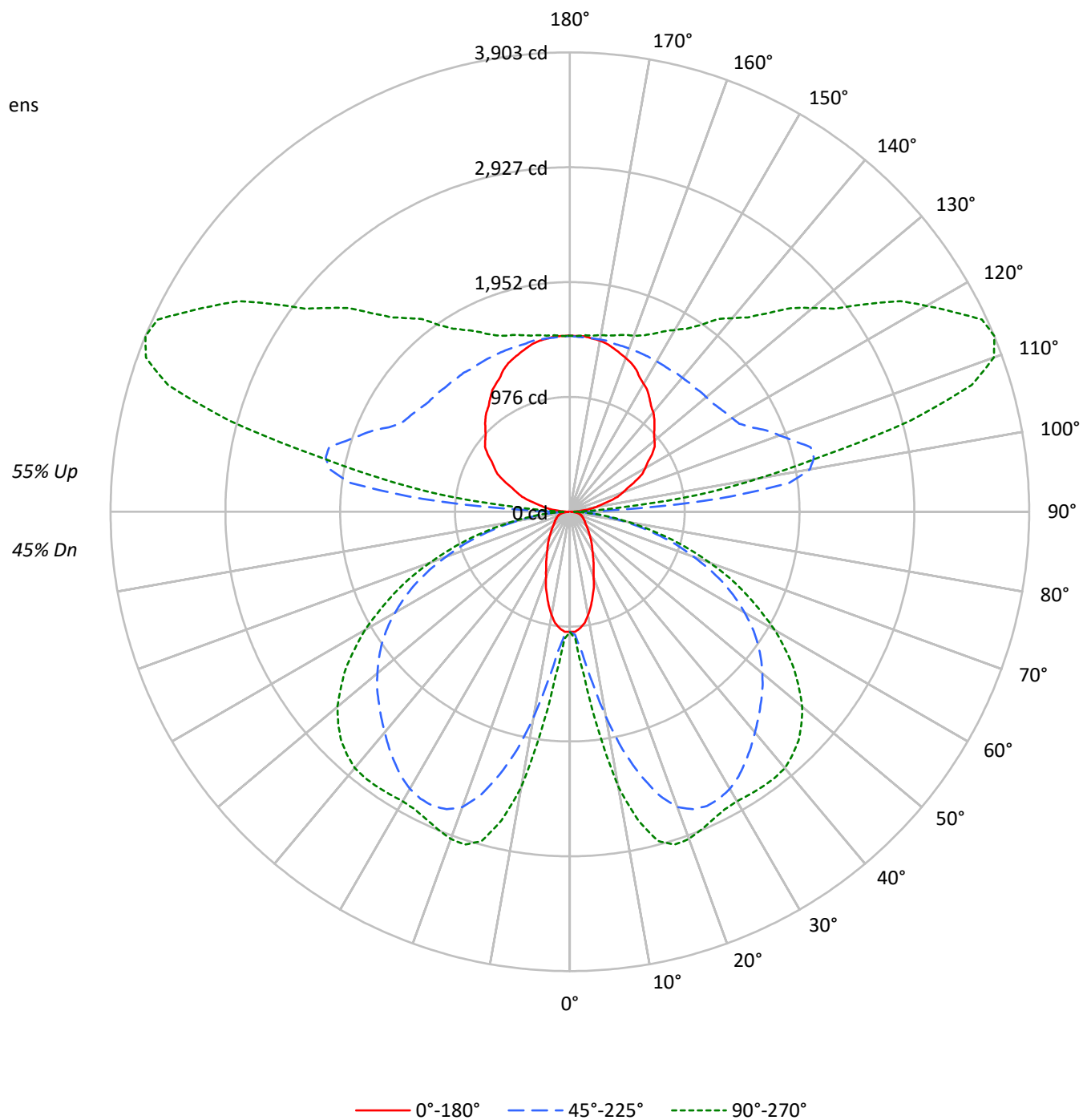
Lumens per Lamp: N/A  
Luminaire Lumens: 17588.3 lumens  
Efficiency: N/A  
Efficacy: 116.9 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 150.4  
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: P938194

CATALOG NUMBER: SQ4-FB-125U-125D-B2750-1D-UNV-STD-W-8-3500K

### Luminous Intensity Polar Plot



TEST NUMBER: P938194

CATALOG NUMBER: SQ4-FB-125U-125D-B2750-1D-UNV-STD-W-8-3500K

**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   | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 51 | 51 | 51 |
| 1   | 96  | 92  | 88  | 84  | 88 | 84 | 81 | 77 | 70 | 67 | 65 | 57 | 55 | 53 | 45 | 44 | 42 |
| 2   | 87  | 79  | 73  | 68  | 79 | 73 | 67 | 63 | 61 | 56 | 53 | 49 | 46 | 44 | 39 | 37 | 35 |
| 3   | 79  | 69  | 62  | 56  | 72 | 64 | 57 | 52 | 53 | 48 | 44 | 43 | 39 | 36 | 34 | 31 | 29 |
| 4   | 72  | 61  | 53  | 47  | 66 | 56 | 49 | 43 | 47 | 41 | 37 | 38 | 34 | 31 | 30 | 27 | 25 |
| 5   | 66  | 54  | 46  | 39  | 60 | 50 | 42 | 37 | 41 | 36 | 31 | 34 | 29 | 26 | 27 | 23 | 21 |
| 6   | 60  | 48  | 40  | 34  | 55 | 44 | 37 | 31 | 37 | 31 | 27 | 30 | 26 | 23 | 24 | 21 | 18 |
| 7   | 56  | 43  | 35  | 29  | 51 | 40 | 32 | 27 | 33 | 28 | 23 | 27 | 23 | 20 | 22 | 18 | 16 |
| 8   | 52  | 39  | 31  | 26  | 47 | 36 | 29 | 24 | 30 | 25 | 21 | 25 | 20 | 17 | 20 | 16 | 14 |
| 9   | 48  | 35  | 28  | 23  | 44 | 33 | 26 | 21 | 27 | 22 | 18 | 23 | 18 | 15 | 18 | 15 | 12 |
| 10  | 45  | 32  | 25  | 20  | 41 | 30 | 23 | 19 | 25 | 20 | 16 | 21 | 17 | 14 | 17 | 13 | 11 |

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

|     | 0°   | 45°   | 90°   |
|-----|------|-------|-------|
| 0°  | 4732 | 4732  | 4732  |
| 5°  | 4623 | 5470  | 6361  |
| 10° | 4194 | 7973  | 10546 |
| 15° | 3564 | 10416 | 12734 |
| 20° | 2901 | 12071 | 12977 |
| 25° | 2421 | 12632 | 12714 |
| 30° | 2041 | 12711 | 12690 |
| 35° | 1805 | 12500 | 13018 |
| 40° | 1573 | 12226 | 13357 |
| 45° | 1424 | 12025 | 13409 |
| 50° | 1306 | 11844 | 13187 |
| 55° | 1252 | 11580 | 12603 |
| 60° | 1281 | 11071 | 11680 |
| 65° | 1332 | 10298 | 10412 |
| 70° | 1419 | 8981  | 8796  |
| 75° | 1574 | 7323  | 6864  |
| 80° | 1719 | 5078  | 4625  |
| 85° | 1528 | 2695  | 2368  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 13409 cd/sqm

TEST NUMBER: P938194

CATALOG NUMBER: SQ4-FB-125U-125D-B2750-1D-UNV-STD-W-8-3500K

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 131.9   | 0.8       |
| 10°-20°   | 584.8   | 3.3       |
| 20°-30°   | 1022.8  | 5.8       |
| 30°-40°   | 1316.7  | 7.5       |
| 40°-50°   | 1470.7  | 8.4       |
| 50°-60°   | 1408.6  | 8.0       |
| 60°-70°   | 1116.3  | 6.3       |
| 70°-80°   | 656.4   | 3.7       |
| 80°-90°   | 188.1   | 1.1       |
| 90°-100°  | 728.8   | 4.1       |
| 100°-110° | 1916.0  | 10.9      |
| 110°-120° | 1986.7  | 11.3      |
| 120°-130° | 1593.6  | 9.1       |
| 130°-140° | 1250.4  | 7.1       |
| 140°-150° | 959.7   | 5.5       |
| 150°-160° | 691.2   | 3.9       |
| 160°-170° | 422.9   | 2.4       |
| 170°-180° | 142.9   | 0.8       |
| 0°-30°    | 1739.5  | 9.9       |
| 0°-40°    | 3056.2  | 17.4      |
| 0°-60°    | 5935.5  | 33.7      |
| 0°-90°    | 7896.3  | 44.9      |
| 90°-120°  | 4631.5  | 26.3      |
| 90°-150°  | 8435.1  | 48.0      |
| 90°-180°  | 9692.0  | 55.1      |
| 0°-180°   | 17588.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1020 | 1020  | 1020 | 1020  | 1020 |      |
| 5°   | 994  | 1066  | 1200 | 1358  | 1407 | 92   |
| 15°  | 744  | 1374  | 2315 | 2807  | 2896 | 207  |
| 25°  | 476  | 1558  | 2758 | 2880  | 2883 | 219  |
| 35°  | 321  | 1489  | 2598 | 2745  | 2853 | 201  |
| 45°  | 220  | 1187  | 2296 | 2630  | 2748 | 170  |
| 55°  | 158  | 754   | 1948 | 2263  | 2325 | 143  |
| 65°  | 125  | 400   | 1446 | 1627  | 1650 | 123  |
| 75°  | 92   | 246   | 794  | 872   | 876  | 96   |
| 85°  | 33   | 75    | 197  | 216   | 220  | 35   |
| 90°  | 10   | 28    | 76   | 38    | 38   | 11   |
| 95°  | 96   | 377   | 1255 | 647   | 440  | 107  |
| 105° | 345  | 523   | 2118 | 3216  | 3000 | 366  |
| 115° | 613  | 744   | 1697 | 3384  | 3863 | 606  |
| 125° | 853  | 956   | 1543 | 2608  | 3076 | 757  |
| 135° | 1016 | 1119  | 1495 | 2105  | 2387 | 786  |
| 145° | 1179 | 1254  | 1476 | 1796  | 1936 | 739  |
| 155° | 1333 | 1370  | 1476 | 1621  | 1668 | 612  |
| 165° | 1438 | 1457  | 1476 | 1534  | 1553 | 406  |
| 175° | 1495 | 1495  | 1486 | 1505  | 1505 | 142  |
| 180° | 1495 | 1495  | 1495 | 1495  | 1495 |      |

TEST NUMBER: P938194

CATALOG NUMBER: SQ4-FB-125U-125D-B2750-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1020.0 | 1020.0 | 1020.0 | 1020.0 | 1020.0 | 1020.0 | 1020.0 | 1020.0 | 1020.0 | 1020.0 | 1020.0 |
| 2.5°   | 1020.0 | 1020.0 | 1026.6 | 1029.9 | 1036.3 | 1039.6 | 1046.2 | 1052.8 | 1072.5 | 1075.8 | 1082.3 |
| 5°     | 993.7  | 1006.9 | 1049.5 | 1065.9 | 1111.8 | 1174.1 | 1200.4 | 1243.0 | 1331.5 | 1357.8 | 1374.1 |
| 7.5°   | 954.4  | 983.9  | 1088.9 | 1115.1 | 1229.9 | 1393.9 | 1462.7 | 1554.6 | 1695.6 | 1764.5 | 1820.3 |
| 10°    | 892.1  | 954.4  | 1141.3 | 1203.6 | 1390.6 | 1639.8 | 1767.7 | 1895.7 | 2108.8 | 2204.0 | 2240.0 |
| 12.5°  | 823.2  | 924.9  | 1197.1 | 1282.4 | 1551.3 | 1915.3 | 2069.5 | 2210.5 | 2453.2 | 2581.1 | 2600.8 |
| 15°    | 744.5  | 882.3  | 1249.5 | 1374.1 | 1721.8 | 2144.9 | 2315.4 | 2489.3 | 2715.6 | 2807.4 | 2830.4 |
| 17.5°  | 675.6  | 849.4  | 1298.8 | 1430.0 | 1853.0 | 2351.6 | 2525.3 | 2669.7 | 2853.3 | 2915.6 | 2932.0 |
| 20°    | 590.3  | 797.0  | 1331.5 | 1502.0 | 1990.8 | 2502.4 | 2669.7 | 2781.1 | 2905.8 | 2945.2 | 2951.7 |
| 22.5°  | 528.0  | 741.2  | 1351.3 | 1528.3 | 2082.6 | 2594.2 | 2735.3 | 2823.8 | 2909.0 | 2922.2 | 2925.5 |
| 25°    | 475.6  | 678.9  | 1348.0 | 1557.9 | 2161.4 | 2650.0 | 2758.3 | 2823.8 | 2873.0 | 2879.6 | 2879.6 |
| 27.5°  | 426.4  | 610.0  | 1334.8 | 1564.5 | 2220.4 | 2663.1 | 2748.4 | 2794.3 | 2817.3 | 2830.4 | 2830.4 |
| 30°    | 383.7  | 544.4  | 1302.0 | 1551.3 | 2246.6 | 2650.0 | 2718.8 | 2741.8 | 2764.8 | 2784.4 | 2794.3 |
| 32.5°  | 351.0  | 482.1  | 1252.8 | 1525.0 | 2249.8 | 2617.2 | 2666.4 | 2679.5 | 2712.3 | 2758.3 | 2774.6 |
| 35°    | 321.4  | 419.8  | 1197.1 | 1489.0 | 2230.2 | 2564.7 | 2597.5 | 2610.6 | 2676.2 | 2745.1 | 2768.0 |
| 37.5°  | 291.9  | 373.8  | 1124.9 | 1426.7 | 2200.7 | 2502.4 | 2525.3 | 2548.3 | 2650.0 | 2732.0 | 2758.3 |
| 40°    | 262.4  | 334.5  | 1039.6 | 1357.8 | 2154.8 | 2427.0 | 2446.6 | 2482.7 | 2617.2 | 2712.3 | 2738.5 |
| 42.5°  | 239.4  | 301.7  | 947.9  | 1285.7 | 2095.8 | 2341.7 | 2371.2 | 2423.7 | 2577.8 | 2679.5 | 2709.0 |
| 45°    | 219.8  | 268.9  | 849.4  | 1187.2 | 2020.3 | 2253.1 | 2295.8 | 2367.9 | 2531.9 | 2630.4 | 2656.5 |
| 47.5°  | 200.1  | 245.9  | 747.8  | 1085.6 | 1938.3 | 2164.6 | 2220.4 | 2302.3 | 2469.6 | 2564.7 | 2587.7 |
| 50°    | 183.6  | 223.1  | 646.1  | 977.3  | 1849.7 | 2069.5 | 2135.1 | 2220.4 | 2390.9 | 2479.5 | 2508.9 |
| 52.5°  | 170.5  | 203.3  | 551.0  | 869.1  | 1748.1 | 1971.0 | 2046.5 | 2135.1 | 2295.8 | 2381.0 | 2400.7 |
| 55°    | 157.5  | 186.9  | 469.0  | 754.4  | 1643.1 | 1866.1 | 1948.2 | 2033.4 | 2190.8 | 2263.0 | 2276.1 |
| 57.5°  | 150.9  | 173.8  | 400.1  | 646.1  | 1531.6 | 1748.1 | 1839.9 | 1918.6 | 2066.2 | 2121.9 | 2135.1 |
| 60°    | 141.0  | 164.0  | 347.7  | 554.3  | 1410.3 | 1636.5 | 1715.2 | 1794.0 | 1918.6 | 1964.6 | 1974.3 |
| 62.5°  | 131.2  | 157.5  | 308.3  | 465.7  | 1285.7 | 1505.3 | 1584.1 | 1656.2 | 1761.2 | 1794.0 | 1807.1 |
| 65°    | 124.6  | 150.9  | 278.8  | 400.1  | 1157.8 | 1367.6 | 1446.3 | 1508.6 | 1593.9 | 1626.8 | 1633.2 |
| 67.5°  | 118.0  | 144.3  | 255.8  | 344.4  | 1029.9 | 1229.9 | 1288.9 | 1348.0 | 1413.6 | 1446.3 | 1449.6 |
| 70°    | 108.2  | 137.8  | 236.1  | 305.0  | 898.7  | 1072.5 | 1121.6 | 1183.9 | 1236.4 | 1252.8 | 1262.7 |
| 72.5°  | 101.6  | 127.9  | 223.1  | 275.5  | 764.2  | 921.6  | 967.5  | 1003.6 | 1049.5 | 1065.9 | 1065.9 |
| 75°    | 91.9   | 114.8  | 209.9  | 245.9  | 626.5  | 754.4  | 793.7  | 829.8  | 865.8  | 872.4  | 862.6  |
| 77.5°  | 82.0   | 101.6  | 180.4  | 206.6  | 488.7  | 596.9  | 629.7  | 649.4  | 678.9  | 685.5  | 688.8  |
| 80°    | 68.9   | 88.6   | 141.0  | 160.7  | 354.2  | 439.4  | 462.4  | 478.9  | 505.0  | 505.0  | 511.6  |
| 82.5°  | 52.5   | 68.9   | 101.6  | 114.8  | 239.4  | 301.7  | 321.4  | 331.2  | 347.7  | 347.7  | 347.7  |
| 85°    | 32.8   | 42.6   | 65.6   | 75.4   | 144.3  | 183.6  | 196.8  | 200.1  | 213.2  | 216.5  | 216.5  |
| 87.5°  | 16.4   | 23.0   | 42.6   | 45.9   | 75.4   | 95.2   | 95.2   | 101.6  | 101.6  | 98.4   | 95.2   |
| 90°    | 10.1   | 18.1   | 26.1   | 28.1   | 44.2   | 65.6   | 76.3   | 67.7   | 50.8   | 38.1   | 38.1   |
| 92.5°  | 40.1   | 108.3  | 176.6  | 193.7  | 272.3  | 377.0  | 429.5  | 376.4  | 270.3  | 190.6  | 183.0  |
| 95°    | 96.3   | 221.2  | 346.1  | 377.3  | 670.0  | 1060.2 | 1255.2 | 1120.2 | 849.9  | 647.2  | 624.2  |
| 97.5°  | 166.6  | 276.7  | 386.9  | 414.4  | 902.4  | 1553.1 | 1878.4 | 1793.0 | 1622.2 | 1494.1 | 1450.4 |
| 100°   | 220.7  | 320.6  | 420.5  | 445.5  | 987.0  | 1709.0 | 2070.1 | 2076.3 | 2088.8 | 2098.2 | 2046.1 |
| 102.5° | 266.9  | 360.1  | 453.3  | 476.7  | 1025.9 | 1758.2 | 2124.2 | 2233.1 | 2450.7 | 2613.9 | 2569.3 |
| 105°   | 345.2  | 424.1  | 503.0  | 522.8  | 1054.6 | 1763.7 | 2118.2 | 2362.1 | 2850.0 | 3215.9 | 3192.0 |
| 107.5° | 425.5  | 499.0  | 572.6  | 591.0  | 1059.9 | 1685.2 | 1997.8 | 2338.1 | 3018.6 | 3529.0 | 3534.8 |
| 110°   | 479.7  | 546.1  | 612.6  | 629.2  | 1051.9 | 1615.6 | 1897.5 | 2277.9 | 3038.7 | 3609.2 | 3634.2 |

TEST NUMBER: P938194

CATALOG NUMBER: SQ4-FB-125U-125D-B2750-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 532.9  | 596.1  | 659.5  | 675.3  | 1052.2 | 1554.9 | 1806.1 | 2195.5 | 2974.1 | 3558.1 | 3596.4 |
| 115°   | 613.1  | 671.5  | 729.9  | 744.5  | 1061.9 | 1485.2 | 1696.8 | 2071.8 | 2821.9 | 3384.5 | 3437.7 |
| 117.5° | 692.4  | 745.5  | 798.5  | 811.7  | 1081.7 | 1441.6 | 1621.5 | 1960.0 | 2636.9 | 3144.7 | 3203.7 |
| 120°   | 738.5  | 788.5  | 838.4  | 850.9  | 1097.7 | 1426.9 | 1591.4 | 1900.7 | 2519.2 | 2983.2 | 3040.4 |
| 122.5° | 783.6  | 834.0  | 884.4  | 897.0  | 1120.7 | 1419.1 | 1568.3 | 1846.8 | 2403.9 | 2821.6 | 2878.1 |
| 125°   | 852.9  | 898.8  | 944.8  | 956.2  | 1151.9 | 1412.8 | 1543.2 | 1779.9 | 2253.0 | 2607.9 | 2659.9 |
| 127.5° | 909.1  | 955.5  | 1001.8 | 1013.5 | 1183.1 | 1409.1 | 1522.2 | 1725.3 | 2131.6 | 2436.3 | 2480.2 |
| 130°   | 939.2  | 989.2  | 1039.1 | 1051.6 | 1205.7 | 1411.3 | 1514.2 | 1695.0 | 2056.7 | 2327.9 | 2368.5 |
| 132.5° | 970.3  | 1020.3 | 1070.2 | 1082.7 | 1224.1 | 1412.8 | 1507.1 | 1669.0 | 1992.7 | 2235.6 | 2271.9 |
| 135°   | 1016.5 | 1061.9 | 1107.5 | 1118.8 | 1244.2 | 1411.4 | 1495.1 | 1630.6 | 1901.8 | 2105.2 | 2136.5 |
| 137.5° | 1063.6 | 1108.6 | 1153.7 | 1164.9 | 1274.3 | 1420.2 | 1493.0 | 1607.7 | 1836.9 | 2008.8 | 2034.5 |
| 140°   | 1102.7 | 1144.2 | 1185.7 | 1196.0 | 1292.7 | 1421.6 | 1486.1 | 1585.1 | 1783.1 | 1931.6 | 1955.5 |
| 142.5° | 1132.9 | 1171.2 | 1209.5 | 1219.1 | 1308.1 | 1426.8 | 1486.1 | 1573.0 | 1746.9 | 1877.3 | 1898.0 |
| 145°   | 1179.0 | 1212.4 | 1245.9 | 1254.3 | 1328.2 | 1426.8 | 1476.0 | 1547.1 | 1689.5 | 1796.1 | 1811.7 |
| 147.5° | 1225.2 | 1257.8 | 1290.3 | 1298.5 | 1357.7 | 1436.5 | 1476.0 | 1532.0 | 1643.9 | 1727.9 | 1740.8 |
| 150°   | 1255.2 | 1284.7 | 1314.2 | 1321.5 | 1373.0 | 1441.7 | 1476.0 | 1523.3 | 1617.8 | 1688.8 | 1699.2 |
| 152.5° | 1286.3 | 1308.6 | 1330.9 | 1336.5 | 1383.1 | 1445.0 | 1476.0 | 1516.4 | 1597.1 | 1657.7 | 1665.6 |
| 155°   | 1332.6 | 1349.0 | 1365.5 | 1369.7 | 1405.1 | 1452.3 | 1476.0 | 1508.2 | 1572.4 | 1620.6 | 1625.8 |
| 157.5° | 1366.7 | 1382.7 | 1398.8 | 1402.7 | 1427.1 | 1459.7 | 1476.0 | 1501.0 | 1550.9 | 1588.4 | 1592.1 |
| 160°   | 1389.7 | 1402.2 | 1414.7 | 1417.8 | 1437.2 | 1463.1 | 1476.0 | 1497.4 | 1540.2 | 1572.3 | 1574.4 |
| 162.5° | 1412.8 | 1422.1 | 1431.5 | 1433.8 | 1447.9 | 1466.6 | 1476.0 | 1494.0 | 1530.1 | 1557.3 | 1559.3 |
| 165°   | 1437.9 | 1446.4 | 1454.9 | 1457.0 | 1463.3 | 1471.7 | 1476.0 | 1489.0 | 1514.8 | 1534.2 | 1536.3 |
| 167.5° | 1461.0 | 1464.9 | 1469.0 | 1470.0 | 1475.3 | 1482.5 | 1486.1 | 1494.5 | 1511.4 | 1524.1 | 1525.0 |
| 170°   | 1476.0 | 1480.1 | 1484.1 | 1485.1 | 1485.4 | 1485.9 | 1486.1 | 1494.5 | 1511.4 | 1524.1 | 1524.1 |
| 172.5° | 1484.0 | 1484.9 | 1485.9 | 1486.1 | 1486.1 | 1486.1 | 1486.1 | 1492.7 | 1506.1 | 1516.2 | 1515.4 |
| 175°   | 1495.1 | 1495.1 | 1495.1 | 1495.1 | 1492.1 | 1488.1 | 1486.1 | 1490.3 | 1498.8 | 1505.1 | 1505.1 |
| 177.5° | 1495.1 | 1495.1 | 1495.1 | 1495.1 | 1492.7 | 1489.6 | 1488.1 | 1491.4 | 1498.1 | 1503.1 | 1502.2 |
| 180°   | 1495.1 | 1495.1 | 1495.1 | 1495.1 | 1495.1 | 1495.1 | 1495.1 | 1495.1 | 1495.1 | 1495.1 | 1495.1 |

TEST NUMBER: P938194

CATALOG NUMBER: SQ4-FB-125U-125D-B2750-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 1020.0 | 1020.0 |
| 2.5°   | 1088.9 | 1082.3 |
| 5°     | 1400.4 | 1407.0 |
| 7.5°   | 1885.8 | 1882.6 |
| 10°    | 2345.0 | 2374.5 |
| 12.5°  | 2679.5 | 2686.1 |
| 15°    | 2882.9 | 2896.0 |
| 17.5°  | 2961.6 | 2964.8 |
| 20°    | 2964.8 | 2958.3 |
| 22.5°  | 2928.8 | 2922.2 |
| 25°    | 2886.2 | 2882.9 |
| 27.5°  | 2846.7 | 2850.0 |
| 30°    | 2830.4 | 2840.2 |
| 32.5°  | 2830.4 | 2846.7 |
| 35°    | 2836.9 | 2853.3 |
| 37.5°  | 2833.6 | 2853.3 |
| 40°    | 2820.6 | 2843.5 |
| 42.5°  | 2784.4 | 2800.9 |
| 45°    | 2728.7 | 2748.4 |
| 47.5°  | 2656.5 | 2669.7 |
| 50°    | 2564.7 | 2577.8 |
| 52.5°  | 2449.9 | 2453.2 |
| 55°    | 2312.1 | 2325.3 |
| 57.5°  | 2164.6 | 2167.8 |
| 60°    | 2000.6 | 2010.5 |
| 62.5°  | 1826.8 | 1826.8 |
| 65°    | 1643.1 | 1649.7 |
| 67.5°  | 1452.9 | 1469.3 |
| 70°    | 1259.4 | 1262.7 |
| 72.5°  | 1069.2 | 1069.2 |
| 75°    | 872.4  | 875.7  |
| 77.5°  | 685.5  | 685.5  |
| 80°    | 508.3  | 511.6  |
| 82.5°  | 351.0  | 357.5  |
| 85°    | 219.8  | 219.8  |
| 87.5°  | 101.6  | 91.9   |
| 90°    | 38.1   | 38.1   |
| 92.5°  | 152.7  | 122.4  |
| 95°    | 532.4  | 440.5  |
| 97.5°  | 1275.6 | 1100.8 |
| 100°   | 1837.8 | 1629.6 |
| 102.5° | 2390.9 | 2212.5 |
| 105°   | 3096.1 | 3000.2 |
| 107.5° | 3558.0 | 3581.1 |
| 110°   | 3734.1 | 3834.0 |





TEST NUMBER: P938194

CATALOG NUMBER: SQ4-FB-125U-125D-B2750-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 3749.8 | 3903.2 |
| 115°   | 3650.4 | 3863.1 |
| 117.5° | 3439.6 | 3675.5 |
| 120°   | 3269.7 | 3498.9 |
| 122.5° | 3104.3 | 3330.4 |
| 125°   | 2868.2 | 3076.5 |
| 127.5° | 2655.9 | 2831.6 |
| 130°   | 2530.8 | 2693.1 |
| 132.5° | 2417.4 | 2562.7 |
| 135°   | 2261.8 | 2387.1 |
| 137.5° | 2137.0 | 2239.6 |
| 140°   | 2051.5 | 2147.3 |
| 142.5° | 1980.4 | 2063.0 |
| 145°   | 1874.1 | 1936.5 |
| 147.5° | 1792.6 | 1844.3 |
| 150°   | 1741.2 | 1783.1 |
| 152.5° | 1697.2 | 1728.9 |
| 155°   | 1646.7 | 1667.6 |
| 157.5° | 1606.8 | 1621.5 |
| 160°   | 1582.9 | 1591.4 |
| 162.5° | 1567.4 | 1575.4 |
| 165°   | 1544.8 | 1553.3 |
| 167.5° | 1528.6 | 1532.2 |
| 170°   | 1524.1 | 1524.1 |
| 172.5° | 1512.2 | 1509.1 |
| 175°   | 1505.1 | 1505.1 |
| 177.5° | 1498.7 | 1495.1 |
| 180°   | 1495.1 | 1495.1 |

TEST NUMBER: P938194

CATALOG NUMBER: SQ4-FB-125U-125D-B2750-1D-UNV-STD-W-8-3500K

**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 | 5.92             | 6.77  | 6.91  | 7.78  | 9.12  | 19.10          | 19.95 | 20.09 | 20.96 | 22.30 |
|                 | 3H   | 6.63             | 7.39  | 7.63  | 8.41  | 9.77  | 20.94          | 21.70 | 21.94 | 22.72 | 24.08 |
|                 | 4H   | 6.92             | 7.65  | 7.94  | 8.67  | 10.04 | 21.58          | 22.31 | 22.60 | 23.33 | 24.70 |
|                 | 6H   | 7.17             | 7.84  | 8.20  | 8.87  | 10.25 | 22.01          | 22.68 | 23.04 | 23.71 | 25.09 |
|                 | 8H   | 7.24             | 7.88  | 8.27  | 8.92  | 10.30 | 22.13          | 22.77 | 23.17 | 23.81 | 25.19 |
|                 | 12H  | 7.26             | 7.86  | 8.30  | 8.90  | 10.30 | 22.20          | 22.81 | 23.24 | 23.84 | 25.24 |
| 4H              | 2H   | 13.13            | 13.86 | 14.16 | 14.88 | 16.25 | 19.37          | 20.10 | 20.39 | 21.12 | 22.49 |
|                 | 3H   | 14.70            | 15.31 | 15.73 | 16.36 | 17.74 | 21.42          | 22.02 | 22.45 | 23.07 | 24.45 |
|                 | 4H   | 14.80            | 15.35 | 15.83 | 16.39 | 17.80 | 22.18          | 22.74 | 23.22 | 23.78 | 25.18 |
|                 | 6H   | 14.81            | 15.29 | 15.85 | 16.35 | 17.75 | 22.72          | 23.20 | 23.77 | 24.27 | 25.67 |
|                 | 8H   | 14.78            | 15.23 | 15.83 | 16.29 | 17.70 | 22.88          | 23.33 | 23.93 | 24.39 | 25.80 |
|                 | 12H  | 14.74            | 15.14 | 15.81 | 16.22 | 17.64 | 22.98          | 23.38 | 24.05 | 24.45 | 25.88 |
| 8H              | 4H   | 16.24            | 16.69 | 17.29 | 17.75 | 19.16 | 22.24          | 22.69 | 23.29 | 23.75 | 25.16 |
|                 | 6H   | 16.48            | 16.85 | 17.56 | 17.95 | 19.36 | 22.87          | 23.24 | 23.95 | 24.34 | 25.75 |
|                 | 8H   | 16.50            | 16.83 | 17.58 | 17.91 | 19.34 | 23.09          | 23.42 | 24.17 | 24.50 | 25.93 |
|                 | 12H  | 16.47            | 16.75 | 17.55 | 17.83 | 19.30 | 23.24          | 23.52 | 24.32 | 24.60 | 26.07 |
| 12H             | 4H   | 16.38            | 16.79 | 17.45 | 17.86 | 19.28 | 22.20          | 22.60 | 23.26 | 23.67 | 25.09 |
|                 | 6H   | 16.74            | 17.07 | 17.82 | 18.15 | 19.58 | 22.86          | 23.18 | 23.94 | 24.26 | 25.70 |
|                 | 8H   | 16.81            | 17.10 | 17.89 | 18.17 | 19.65 | 23.08          | 23.37 | 24.17 | 24.45 | 25.92 |