

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: P937794

Luminaire Tested: SQ4-FB-100U-125D-B2750-1D-UNV-W2A-W-8-3500K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P937794  
REPORT IS A COMBINATION OF REPORTS P933584 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-100U-125D-B2750-1D-UNV-W2A-W-8-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

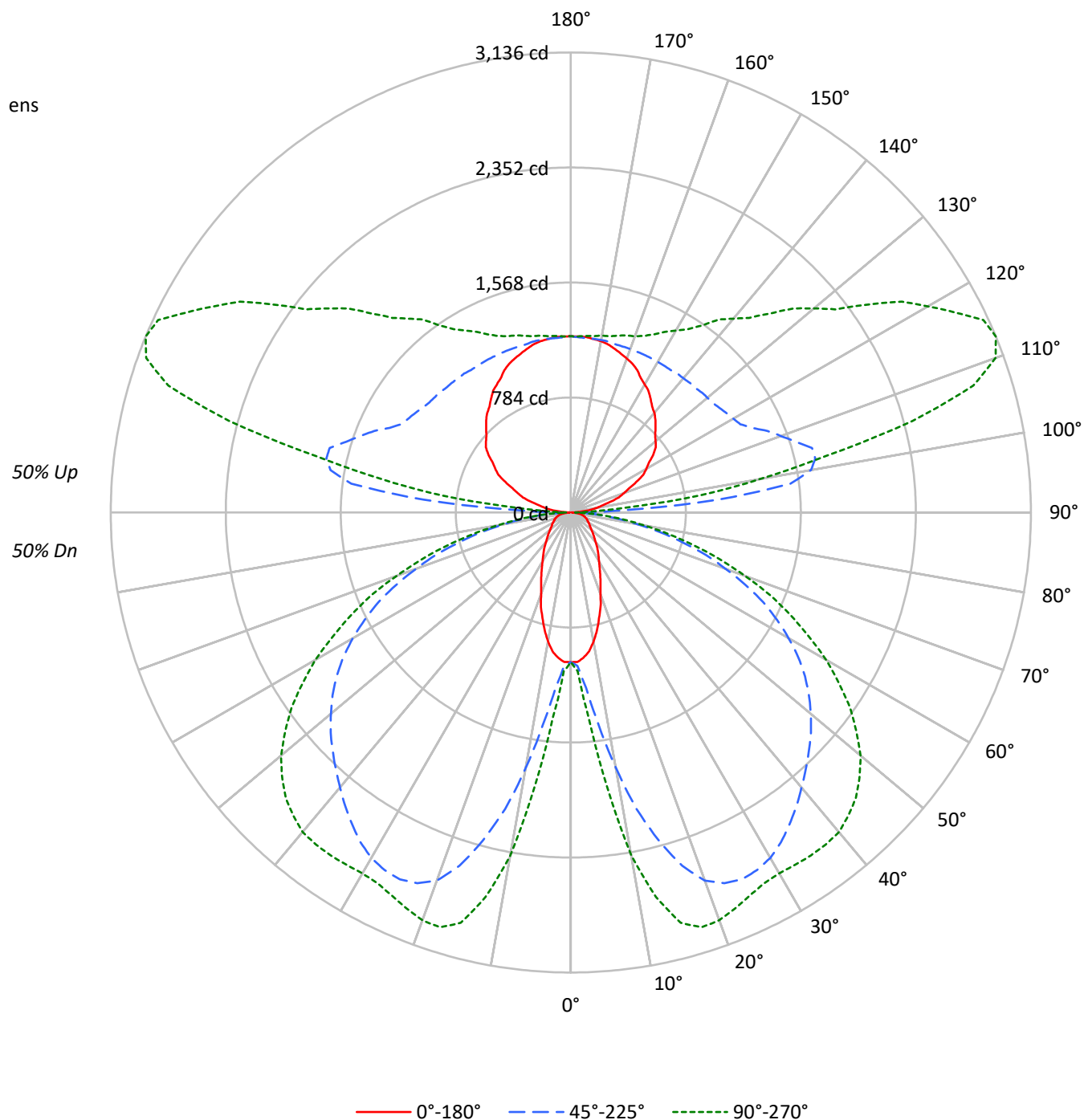
Lumens per Lamp: N/A  
Luminaire Lumens: 15681.4 lumens  
Efficiency: N/A  
Efficacy: 114.0 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 137.6  
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: P937794

CATALOG NUMBER: SQ4-FB-100U-125D-B2750-1D-UNV-W2A-W-8-3500K

### Luminous Intensity Polar Plot



TEST NUMBER: P937794

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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 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 69 | 69 | 69 | 56 | 56 | 56 |
| 1   | 97  | 93  | 89  | 85  | 90 | 86 | 82 | 79 | 72 | 70 | 67 | 60 | 58 | 57 | 49 | 48 | 47 |
| 2   | 88  | 80  | 74  | 68  | 81 | 74 | 69 | 64 | 63 | 59 | 55 | 52 | 49 | 46 | 42 | 40 | 38 |
| 3   | 80  | 70  | 62  | 56  | 73 | 65 | 58 | 53 | 55 | 50 | 45 | 46 | 42 | 39 | 37 | 34 | 32 |
| 4   | 73  | 62  | 53  | 47  | 67 | 57 | 50 | 44 | 48 | 43 | 38 | 40 | 36 | 32 | 33 | 30 | 27 |
| 5   | 67  | 54  | 46  | 40  | 61 | 50 | 43 | 37 | 43 | 37 | 32 | 36 | 31 | 28 | 29 | 26 | 23 |
| 6   | 61  | 49  | 40  | 34  | 56 | 45 | 37 | 32 | 38 | 32 | 28 | 32 | 27 | 24 | 26 | 23 | 20 |
| 7   | 56  | 44  | 35  | 30  | 52 | 40 | 33 | 28 | 34 | 29 | 24 | 29 | 24 | 21 | 24 | 20 | 17 |
| 8   | 52  | 39  | 31  | 26  | 48 | 37 | 29 | 24 | 31 | 25 | 21 | 26 | 22 | 18 | 22 | 18 | 15 |
| 9   | 48  | 36  | 28  | 23  | 44 | 33 | 26 | 21 | 28 | 23 | 19 | 24 | 19 | 16 | 20 | 16 | 14 |
| 10  | 45  | 33  | 25  | 20  | 41 | 30 | 24 | 19 | 26 | 21 | 17 | 22 | 18 | 15 | 18 | 15 | 12 |

**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

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 131.9   | 0.8       |
| 10°-20°   | 584.8   | 3.7       |
| 20°-30°   | 1022.8  | 6.5       |
| 30°-40°   | 1316.7  | 8.4       |
| 40°-50°   | 1470.7  | 9.4       |
| 50°-60°   | 1408.6  | 9.0       |
| 60°-70°   | 1116.3  | 7.1       |
| 70°-80°   | 656.4   | 4.2       |
| 80°-90°   | 186.9   | 1.2       |
| 90°-100°  | 585.5   | 3.7       |
| 100°-110° | 1539.2  | 9.8       |
| 110°-120° | 1596.0  | 10.2      |
| 120°-130° | 1280.2  | 8.2       |
| 130°-140° | 1004.5  | 6.4       |
| 140°-150° | 771.0   | 4.9       |
| 150°-160° | 555.2   | 3.5       |
| 160°-170° | 339.7   | 2.2       |
| 170°-180° | 114.8   | 0.7       |
| 0°-30°    | 1739.5  | 11.1      |
| 0°-40°    | 3056.2  | 19.5      |
| 0°-60°    | 5935.5  | 37.9      |
| 0°-90°    | 7895.2  | 50.3      |
| 90°-120°  | 3720.7  | 23.7      |
| 90°-150°  | 6776.4  | 43.2      |
| 90°-180°  | 7786.0  | 49.7      |
| 0°-180°   | 15681.4 | 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°  | 8    | 23    | 61   | 31    | 31   | 9    |
| 95°  | 77   | 303   | 1008 | 520   | 354  | 86   |
| 105° | 277  | 420   | 1702 | 2584  | 2410 | 294  |
| 115° | 492  | 598   | 1363 | 2719  | 3104 | 486  |
| 125° | 685  | 768   | 1240 | 2095  | 2472 | 608  |
| 135° | 817  | 899   | 1201 | 1691  | 1918 | 632  |
| 145° | 947  | 1008  | 1186 | 1443  | 1556 | 593  |
| 155° | 1070 | 1100  | 1186 | 1302  | 1340 | 492  |
| 165° | 1155 | 1170  | 1186 | 1233  | 1248 | 326  |
| 175° | 1201 | 1201  | 1194 | 1209  | 1209 | 114  |
| 180° | 1201 | 1201  | 1201 | 1201  | 1201 |      |

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CATALOG NUMBER: SQ4-FB-100U-125D-B2750-1D-UNV-W2A-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°    | 8.0    | 14.5   | 20.9   | 22.6   | 35.5   | 52.6   | 61.2   | 54.5   | 40.8   | 30.6   | 30.6   |
| 92.5°  | 32.3   | 87.1   | 142.0  | 155.6  | 218.7  | 302.9  | 345.0  | 302.3  | 217.2  | 153.2  | 147.1  |
| 95°    | 77.4   | 177.7  | 278.0  | 303.1  | 538.2  | 851.7  | 1008.4 | 899.9  | 682.8  | 520.0  | 501.6  |
| 97.5°  | 133.8  | 222.3  | 310.9  | 332.9  | 725.0  | 1247.7 | 1509.0 | 1440.4 | 1303.2 | 1200.3 | 1165.2 |
| 100°   | 177.3  | 257.6  | 337.9  | 357.9  | 792.9  | 1373.0 | 1663.0 | 1668.0 | 1678.0 | 1685.6 | 1643.7 |
| 102.5° | 214.4  | 289.2  | 364.2  | 382.9  | 824.0  | 1412.3 | 1706.5 | 1793.9 | 1968.8 | 2099.9 | 2064.1 |
| 105°   | 277.3  | 340.7  | 404.1  | 420.0  | 847.2  | 1416.9 | 1701.7 | 1897.6 | 2289.6 | 2583.5 | 2564.3 |
| 107.5° | 341.8  | 400.9  | 460.0  | 474.8  | 851.6  | 1353.8 | 1605.0 | 1878.3 | 2425.0 | 2835.0 | 2839.7 |
| 110°   | 385.3  | 438.7  | 492.1  | 505.4  | 845.1  | 1297.9 | 1524.3 | 1830.0 | 2441.1 | 2899.5 | 2919.6 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 428.0  | 478.9  | 529.8  | 542.5  | 845.4  | 1249.1 | 1451.0 | 1763.8 | 2389.3 | 2858.5 | 2889.3 |
| 115°   | 492.5  | 539.4  | 586.4  | 598.2  | 853.1  | 1193.1 | 1363.1 | 1664.5 | 2267.1 | 2719.0 | 2761.7 |
| 117.5° | 556.2  | 598.8  | 641.5  | 652.1  | 869.0  | 1158.1 | 1302.6 | 1574.5 | 2118.4 | 2526.3 | 2573.7 |
| 120°   | 593.3  | 633.4  | 673.6  | 683.5  | 881.9  | 1146.3 | 1278.5 | 1527.0 | 2023.9 | 2396.5 | 2442.6 |
| 122.5° | 629.6  | 670.1  | 710.6  | 720.6  | 900.4  | 1140.0 | 1259.9 | 1483.6 | 1931.1 | 2266.8 | 2312.2 |
| 125°   | 685.2  | 722.1  | 759.0  | 768.2  | 925.4  | 1135.0 | 1239.7 | 1429.9 | 1810.0 | 2095.1 | 2136.9 |
| 127.5° | 730.3  | 767.5  | 804.9  | 814.2  | 950.4  | 1132.1 | 1222.9 | 1386.1 | 1712.4 | 1957.2 | 1992.5 |
| 130°   | 754.5  | 794.6  | 834.7  | 844.8  | 968.6  | 1133.8 | 1216.4 | 1361.6 | 1652.2 | 1870.2 | 1902.7 |
| 132.5° | 779.5  | 819.6  | 859.7  | 869.8  | 983.4  | 1135.0 | 1210.8 | 1340.8 | 1600.9 | 1795.9 | 1825.1 |
| 135°   | 816.6  | 853.1  | 889.7  | 898.8  | 999.6  | 1133.9 | 1201.1 | 1310.0 | 1527.8 | 1691.2 | 1716.4 |
| 137.5° | 854.5  | 890.6  | 926.8  | 935.9  | 1023.7 | 1140.9 | 1199.4 | 1291.5 | 1475.7 | 1613.8 | 1634.4 |
| 140°   | 885.9  | 919.2  | 952.5  | 960.9  | 1038.5 | 1142.1 | 1193.8 | 1273.4 | 1432.5 | 1551.8 | 1571.0 |
| 142.5° | 910.1  | 940.9  | 971.7  | 979.4  | 1050.9 | 1146.1 | 1193.8 | 1263.7 | 1403.4 | 1508.2 | 1524.8 |
| 145°   | 947.2  | 974.0  | 1001.0 | 1007.7 | 1067.1 | 1146.2 | 1185.8 | 1242.9 | 1357.2 | 1442.9 | 1455.4 |
| 147.5° | 984.2  | 1010.4 | 1036.5 | 1043.1 | 1090.7 | 1154.1 | 1185.8 | 1230.7 | 1320.7 | 1388.1 | 1398.5 |
| 150°   | 1008.4 | 1032.1 | 1055.7 | 1061.6 | 1103.0 | 1158.1 | 1185.8 | 1223.8 | 1299.7 | 1356.7 | 1365.1 |
| 152.5° | 1033.4 | 1051.4 | 1069.3 | 1073.7 | 1111.1 | 1160.9 | 1185.8 | 1218.2 | 1283.1 | 1331.7 | 1338.1 |
| 155°   | 1070.5 | 1083.7 | 1097.0 | 1100.3 | 1128.8 | 1166.8 | 1185.8 | 1211.5 | 1263.2 | 1301.9 | 1306.0 |
| 157.5° | 1097.9 | 1110.8 | 1123.7 | 1126.9 | 1146.5 | 1172.7 | 1185.8 | 1205.8 | 1245.9 | 1276.1 | 1279.0 |
| 160°   | 1116.5 | 1126.6 | 1136.5 | 1139.1 | 1154.7 | 1175.4 | 1185.8 | 1203.0 | 1237.4 | 1263.2 | 1264.9 |
| 162.5° | 1135.0 | 1142.5 | 1150.1 | 1151.9 | 1163.2 | 1178.2 | 1185.8 | 1200.3 | 1229.3 | 1251.1 | 1252.7 |
| 165°   | 1155.1 | 1161.9 | 1168.7 | 1170.5 | 1175.6 | 1182.4 | 1185.8 | 1196.1 | 1217.0 | 1232.6 | 1234.3 |
| 167.5° | 1173.7 | 1176.9 | 1180.1 | 1180.9 | 1185.2 | 1190.9 | 1193.8 | 1200.6 | 1214.3 | 1224.4 | 1225.1 |
| 170°   | 1185.8 | 1189.0 | 1192.3 | 1193.0 | 1193.3 | 1193.6 | 1193.8 | 1200.6 | 1214.3 | 1224.4 | 1224.4 |
| 172.5° | 1192.3 | 1192.9 | 1193.6 | 1193.8 | 1193.8 | 1193.8 | 1193.8 | 1199.2 | 1210.0 | 1218.0 | 1217.5 |
| 175°   | 1201.1 | 1201.1 | 1201.1 | 1201.1 | 1198.7 | 1195.5 | 1193.8 | 1197.2 | 1204.0 | 1209.1 | 1209.1 |
| 177.5° | 1201.1 | 1201.1 | 1201.1 | 1201.1 | 1199.2 | 1196.7 | 1195.5 | 1198.2 | 1203.5 | 1207.6 | 1206.9 |
| 180°   | 1201.1 | 1201.1 | 1201.1 | 1201.1 | 1201.1 | 1201.1 | 1201.1 | 1201.1 | 1201.1 | 1201.1 | 1201.1 |

TEST NUMBER: P937794

CATALOG NUMBER: SQ4-FB-100U-125D-B2750-1D-UNV-W2A-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°    | 30.6   | 30.6   |
| 92.5°  | 122.8  | 98.4   |
| 95°    | 427.7  | 353.9  |
| 97.5°  | 1024.7 | 884.3  |
| 100°   | 1476.5 | 1309.1 |
| 102.5° | 1920.8 | 1777.4 |
| 105°   | 2487.2 | 2410.2 |
| 107.5° | 2858.4 | 2877.0 |
| 110°   | 2999.8 | 3080.1 |



TEST NUMBER: P937794

CATALOG NUMBER: SQ4-FB-100U-125D-B2750-1D-UNV-W2A-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 3012.4 | 3135.7 |
| 115°   | 2932.6 | 3103.5 |
| 117.5° | 2763.2 | 2952.7 |
| 120°   | 2626.8 | 2810.9 |
| 122.5° | 2493.8 | 2675.4 |
| 125°   | 2304.2 | 2471.5 |
| 127.5° | 2133.6 | 2274.8 |
| 130°   | 2033.2 | 2163.6 |
| 132.5° | 1942.0 | 2058.7 |
| 135°   | 1817.1 | 1917.7 |
| 137.5° | 1716.8 | 1799.2 |
| 140°   | 1648.0 | 1725.0 |
| 142.5° | 1591.1 | 1657.4 |
| 145°   | 1505.6 | 1555.7 |
| 147.5° | 1440.0 | 1481.6 |
| 150°   | 1398.8 | 1432.5 |
| 152.5° | 1363.5 | 1388.9 |
| 155°   | 1322.9 | 1339.7 |
| 157.5° | 1290.8 | 1302.6 |
| 160°   | 1271.7 | 1278.5 |
| 162.5° | 1259.1 | 1265.6 |
| 165°   | 1241.1 | 1247.9 |
| 167.5° | 1228.0 | 1230.9 |
| 170°   | 1224.4 | 1224.4 |
| 172.5° | 1214.9 | 1212.4 |
| 175°   | 1209.1 | 1209.1 |
| 177.5° | 1204.0 | 1201.1 |
| 180°   | 1201.1 | 1201.1 |

TEST NUMBER: P937794

CATALOG NUMBER: SQ4-FB-100U-125D-B2750-1D-UNV-W2A-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 | 6.44             | 7.34  | 7.38  | 8.31  | 9.57  | 19.62          | 20.52 | 20.56 | 21.49 | 22.75 |
|                 | 3H   | 7.15             | 7.96  | 8.10  | 8.94  | 10.22 | 21.46          | 22.27 | 22.42 | 23.25 | 24.53 |
|                 | 4H   | 7.45             | 8.22  | 8.42  | 9.20  | 10.49 | 22.11          | 22.88 | 23.08 | 23.86 | 25.15 |
|                 | 6H   | 7.70             | 8.41  | 8.68  | 9.40  | 10.70 | 22.54          | 23.25 | 23.52 | 24.24 | 25.54 |
|                 | 8H   | 7.77             | 8.45  | 8.76  | 9.45  | 10.75 | 22.66          | 23.34 | 23.65 | 24.34 | 25.65 |
|                 | 12H  | 7.79             | 8.43  | 8.78  | 9.43  | 10.76 | 22.73          | 23.38 | 23.73 | 24.37 | 25.70 |
| 4H              | 2H   | 13.66            | 14.43 | 14.64 | 15.41 | 16.70 | 19.90          | 20.67 | 20.87 | 21.65 | 22.94 |
|                 | 3H   | 15.23            | 15.87 | 16.22 | 16.88 | 18.19 | 21.95          | 22.59 | 22.93 | 23.60 | 24.91 |
|                 | 4H   | 15.33            | 15.92 | 16.32 | 16.92 | 18.25 | 22.71          | 23.30 | 23.71 | 24.31 | 25.64 |
|                 | 6H   | 15.34            | 15.85 | 16.35 | 16.88 | 18.20 | 23.26          | 23.77 | 24.26 | 24.79 | 26.12 |
|                 | 8H   | 15.32            | 15.79 | 16.33 | 16.81 | 18.16 | 23.42          | 23.90 | 24.43 | 24.92 | 26.26 |
|                 | 12H  | 15.28            | 15.71 | 16.31 | 16.74 | 18.09 | 23.51          | 23.95 | 24.54 | 24.98 | 26.33 |
| 8H              | 4H   | 16.78            | 17.25 | 17.78 | 18.27 | 19.62 | 22.78          | 23.25 | 23.79 | 24.27 | 25.62 |
|                 | 6H   | 17.02            | 17.41 | 18.05 | 18.48 | 19.82 | 23.41          | 23.80 | 24.44 | 24.87 | 26.21 |
|                 | 8H   | 17.04            | 17.39 | 18.08 | 18.43 | 19.79 | 23.63          | 23.98 | 24.67 | 25.03 | 26.39 |
|                 | 12H  | 17.01            | 17.31 | 18.05 | 18.36 | 19.76 | 23.78          | 24.08 | 24.82 | 25.13 | 26.53 |
| 12H             | 4H   | 16.92            | 17.35 | 17.95 | 18.39 | 19.74 | 22.73          | 23.16 | 23.76 | 24.20 | 25.55 |
|                 | 6H   | 17.28            | 17.63 | 18.32 | 18.67 | 20.04 | 23.39          | 23.74 | 24.44 | 24.79 | 26.15 |
|                 | 8H   | 17.35            | 17.66 | 18.40 | 18.70 | 20.10 | 23.63          | 23.93 | 24.67 | 24.97 | 26.38 |