

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: P937765

Luminaire Tested: SQ4-FB-100U-125D-93050-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P937765
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-93050-1D-UNV-STD-W-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

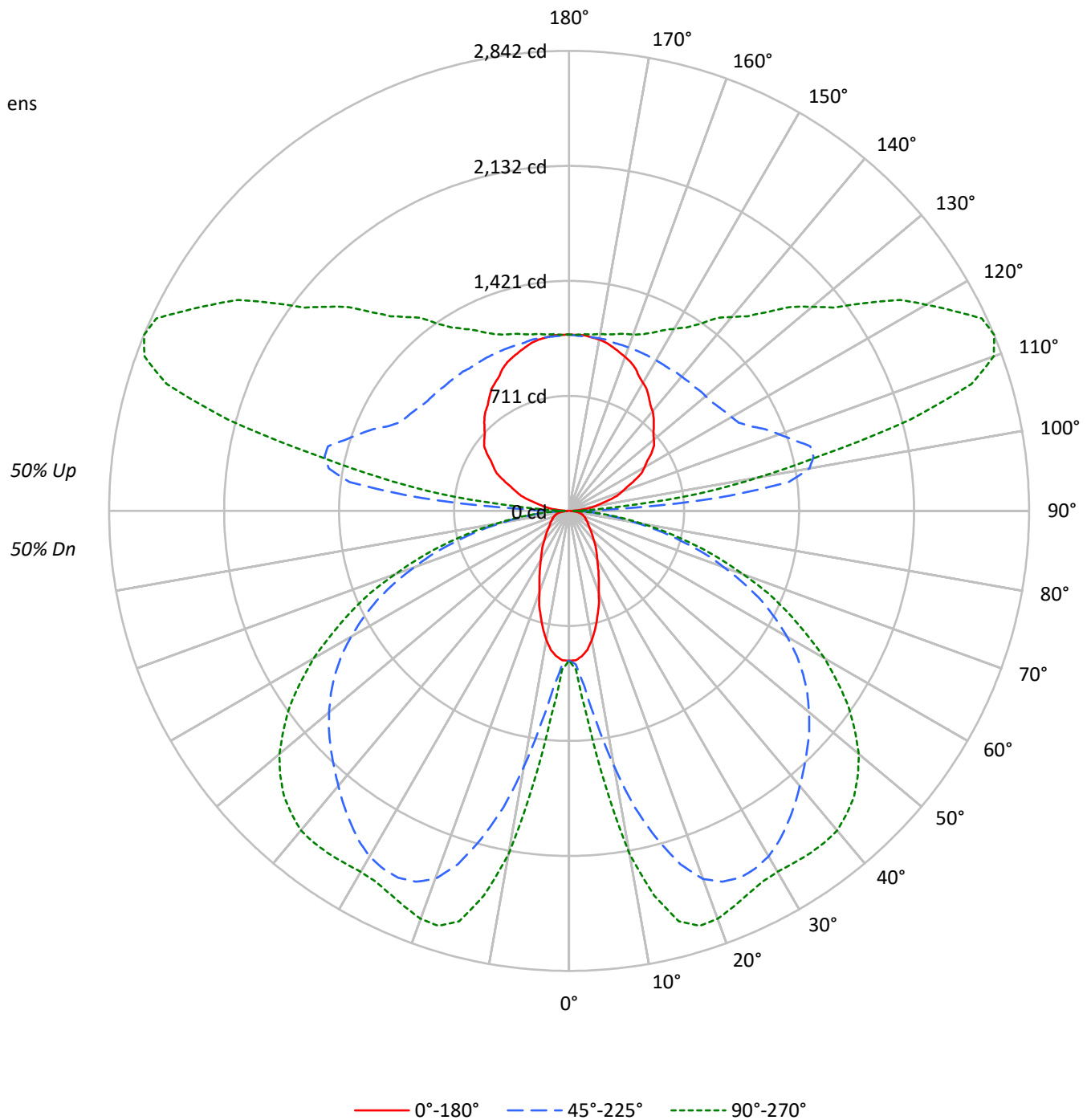
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14213.6 lumens
Efficiency: N/A
Efficacy: 103.3 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: P937765
CATALOG NUMBER: SQ4-FB-100U-125D-93050-1D-UNV-STD-W-8-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P937765

CATALOG NUMBER: SQ4-FB-100U-125D-93050-1D-UNV-STD-W-8-3000K

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 | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 69 | 69 | 69 | 56 | 56 | 56 | 50 |
| 1 | 97 | 93 | 89 | 85 | 90 | 86 | 82 | 79 | 72 | 70 | 67 | 60 | 58 | 57 | 49 | 48 | 47 | 41 |
| 2 | 88 | 80 | 74 | 68 | 81 | 74 | 69 | 64 | 63 | 59 | 55 | 52 | 49 | 46 | 42 | 40 | 38 | 34 |
| 3 | 80 | 70 | 62 | 56 | 73 | 65 | 58 | 53 | 55 | 50 | 45 | 46 | 42 | 39 | 37 | 34 | 32 | 28 |
| 4 | 73 | 62 | 53 | 47 | 67 | 57 | 50 | 44 | 48 | 43 | 38 | 40 | 36 | 32 | 33 | 30 | 27 | 23 |
| 5 | 67 | 54 | 46 | 40 | 61 | 50 | 43 | 37 | 43 | 37 | 32 | 36 | 31 | 28 | 29 | 26 | 23 | 20 |
| 6 | 61 | 49 | 40 | 34 | 56 | 45 | 37 | 32 | 38 | 32 | 28 | 32 | 27 | 24 | 26 | 23 | 20 | 17 |
| 7 | 56 | 44 | 35 | 30 | 52 | 40 | 33 | 28 | 34 | 29 | 24 | 29 | 24 | 21 | 24 | 20 | 17 | 15 |
| 8 | 52 | 39 | 31 | 26 | 48 | 37 | 29 | 24 | 31 | 25 | 21 | 26 | 22 | 18 | 22 | 18 | 15 | 13 |
| 9 | 48 | 36 | 28 | 23 | 44 | 33 | 26 | 21 | 28 | 23 | 19 | 24 | 19 | 16 | 20 | 16 | 14 | 11 |
| 10 | 45 | 33 | 25 | 20 | 41 | 30 | 24 | 19 | 26 | 21 | 17 | 22 | 18 | 15 | 18 | 15 | 12 | 10 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|-------|-------|
| 0° | 4289 | 4289 | 4289 |
| 5° | 4190 | 4958 | 5766 |
| 10° | 3801 | 7227 | 9559 |
| 15° | 3230 | 9441 | 11542 |
| 20° | 2630 | 10941 | 11763 |
| 25° | 2194 | 11450 | 11524 |
| 30° | 1850 | 11521 | 11502 |
| 35° | 1636 | 11331 | 11799 |
| 40° | 1425 | 11082 | 12107 |
| 45° | 1291 | 10900 | 12154 |
| 50° | 1183 | 10736 | 11953 |
| 55° | 1134 | 10496 | 11423 |
| 60° | 1161 | 10035 | 10587 |
| 65° | 1207 | 9335 | 9437 |
| 70° | 1287 | 8140 | 7972 |
| 75° | 1427 | 6637 | 6221 |
| 80° | 1557 | 4603 | 4192 |
| 85° | 1383 | 2443 | 2146 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 12154 cd/sqm



TEST NUMBER: P937765

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 119.6 | 0.8 |
| 10°-20° | 530.0 | 3.7 |
| 20°-30° | 927.1 | 6.5 |
| 30°-40° | 1193.4 | 8.4 |
| 40°-50° | 1333.0 | 9.4 |
| 50°-60° | 1276.7 | 9.0 |
| 60°-70° | 1011.8 | 7.1 |
| 70°-80° | 595.0 | 4.2 |
| 80°-90° | 169.4 | 1.2 |
| 90°-100° | 530.7 | 3.7 |
| 100°-110° | 1395.2 | 9.8 |
| 110°-120° | 1446.6 | 10.2 |
| 120°-130° | 1160.4 | 8.2 |
| 130°-140° | 910.5 | 6.4 |
| 140°-150° | 698.8 | 4.9 |
| 150°-160° | 503.3 | 3.5 |
| 160°-170° | 307.9 | 2.2 |
| 170°-180° | 104.0 | 0.7 |
| 0°-30° | 1576.7 | 11.1 |
| 0°-40° | 2770.2 | 19.5 |
| 0°-60° | 5379.9 | 37.9 |
| 0°-90° | 7156.1 | 50.3 |
| 90°-120° | 3372.5 | 23.7 |
| 90°-150° | 6142.2 | 43.2 |
| 90°-180° | 7057.0 | 49.6 |
| 0°-180° | 14213.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 924 | 924 | 924 | 924 | 924 | |
| 5° | 901 | 966 | 1088 | 1231 | 1275 | 83 |
| 15° | 675 | 1246 | 2099 | 2545 | 2625 | 188 |
| 25° | 431 | 1412 | 2500 | 2610 | 2613 | 199 |
| 35° | 291 | 1350 | 2354 | 2488 | 2586 | 182 |
| 45° | 199 | 1076 | 2081 | 2384 | 2491 | 154 |
| 55° | 143 | 684 | 1766 | 2051 | 2108 | 130 |
| 65° | 113 | 363 | 1311 | 1474 | 1495 | 112 |
| 75° | 83 | 223 | 719 | 791 | 794 | 87 |
| 85° | 30 | 68 | 178 | 196 | 199 | 32 |
| 90° | 7 | 20 | 56 | 28 | 28 | 8 |
| 95° | 70 | 275 | 914 | 471 | 321 | 78 |
| 105° | 251 | 381 | 1542 | 2342 | 2185 | 266 |
| 115° | 446 | 542 | 1236 | 2464 | 2813 | 441 |
| 125° | 621 | 696 | 1124 | 1899 | 2240 | 551 |
| 135° | 740 | 815 | 1089 | 1533 | 1738 | 573 |
| 145° | 858 | 913 | 1075 | 1308 | 1410 | 538 |
| 155° | 970 | 997 | 1075 | 1180 | 1214 | 446 |
| 165° | 1047 | 1061 | 1075 | 1117 | 1131 | 295 |
| 175° | 1089 | 1089 | 1082 | 1096 | 1096 | 103 |
| 180° | 1089 | 1089 | 1089 | 1089 | 1089 | |



TEST NUMBER: P937765

CATALOG NUMBER: SQ4-FB-100U-125D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 924.5 | 924.5 | 924.5 | 924.5 | 924.5 | 924.5 | 924.5 | 924.5 | 924.5 | 924.5 | 924.5 |
| 2.5° | 924.5 | 924.5 | 930.5 | 933.5 | 939.3 | 942.3 | 948.3 | 954.3 | 972.1 | 975.1 | 981.0 |
| 5° | 900.7 | 912.6 | 951.3 | 966.1 | 1007.8 | 1064.2 | 1088.0 | 1126.7 | 1206.9 | 1230.7 | 1245.5 |
| 7.5° | 865.0 | 891.8 | 986.9 | 1010.7 | 1114.7 | 1263.4 | 1325.8 | 1409.1 | 1536.9 | 1599.3 | 1649.9 |
| 10° | 808.6 | 865.0 | 1034.5 | 1090.9 | 1260.4 | 1486.3 | 1602.3 | 1718.2 | 1911.4 | 1997.7 | 2030.4 |
| 12.5° | 746.1 | 838.3 | 1085.1 | 1162.3 | 1406.1 | 1736.0 | 1875.8 | 2003.6 | 2223.6 | 2339.5 | 2357.4 |
| 15° | 674.8 | 799.7 | 1132.6 | 1245.5 | 1560.7 | 1944.1 | 2098.7 | 2256.3 | 2461.4 | 2544.6 | 2565.4 |
| 17.5° | 612.4 | 769.9 | 1177.2 | 1296.1 | 1679.6 | 2131.5 | 2288.9 | 2419.8 | 2586.2 | 2642.7 | 2657.6 |
| 20° | 535.1 | 722.4 | 1206.9 | 1361.5 | 1804.5 | 2268.2 | 2419.8 | 2520.8 | 2633.8 | 2669.5 | 2675.4 |
| 22.5° | 478.6 | 671.8 | 1224.8 | 1385.3 | 1887.6 | 2351.4 | 2479.3 | 2559.5 | 2636.7 | 2648.7 | 2651.7 |
| 25° | 431.1 | 615.3 | 1221.8 | 1412.0 | 1959.1 | 2402.0 | 2500.1 | 2559.5 | 2604.1 | 2610.0 | 2610.0 |
| 27.5° | 386.5 | 552.9 | 1209.9 | 1418.0 | 2012.5 | 2413.8 | 2491.1 | 2532.8 | 2553.6 | 2565.4 | 2565.4 |
| 30° | 347.8 | 493.4 | 1180.2 | 1406.1 | 2036.3 | 2402.0 | 2464.3 | 2485.2 | 2506.0 | 2523.8 | 2532.8 |
| 32.5° | 318.1 | 437.0 | 1135.6 | 1382.3 | 2039.2 | 2372.2 | 2416.8 | 2428.7 | 2458.5 | 2500.1 | 2514.9 |
| 35° | 291.3 | 380.5 | 1085.1 | 1349.6 | 2021.4 | 2324.7 | 2354.4 | 2366.2 | 2425.7 | 2488.1 | 2509.0 |
| 37.5° | 264.5 | 338.8 | 1019.6 | 1293.1 | 1994.7 | 2268.2 | 2288.9 | 2309.8 | 2402.0 | 2476.3 | 2500.1 |
| 40° | 237.8 | 303.2 | 942.3 | 1230.7 | 1953.1 | 2199.8 | 2217.6 | 2250.3 | 2372.2 | 2458.5 | 2482.2 |
| 42.5° | 217.0 | 273.5 | 859.2 | 1165.3 | 1899.6 | 2122.5 | 2149.3 | 2196.8 | 2336.5 | 2428.7 | 2455.5 |
| 45° | 199.2 | 243.7 | 769.9 | 1076.1 | 1831.2 | 2042.2 | 2080.9 | 2146.3 | 2294.9 | 2384.1 | 2407.9 |
| 47.5° | 181.4 | 222.9 | 677.8 | 984.0 | 1756.9 | 1961.9 | 2012.5 | 2086.8 | 2238.4 | 2324.7 | 2345.5 |
| 50° | 166.4 | 202.2 | 585.7 | 885.9 | 1676.6 | 1875.8 | 1935.2 | 2012.5 | 2167.1 | 2247.4 | 2274.1 |
| 52.5° | 154.6 | 184.3 | 499.4 | 787.7 | 1584.5 | 1786.6 | 1855.0 | 1935.2 | 2080.9 | 2158.2 | 2176.0 |
| 55° | 142.7 | 169.4 | 425.1 | 683.8 | 1489.3 | 1691.4 | 1765.8 | 1843.1 | 1985.8 | 2051.2 | 2063.0 |
| 57.5° | 136.8 | 157.6 | 362.7 | 585.7 | 1388.2 | 1584.5 | 1667.7 | 1739.0 | 1872.8 | 1923.3 | 1935.2 |
| 60° | 127.8 | 148.6 | 315.1 | 502.4 | 1278.3 | 1483.4 | 1554.7 | 1626.1 | 1739.0 | 1780.7 | 1789.5 |
| 62.5° | 118.9 | 142.7 | 279.5 | 422.1 | 1165.3 | 1364.4 | 1435.8 | 1501.2 | 1596.3 | 1626.1 | 1637.9 |
| 65° | 112.9 | 136.8 | 252.7 | 362.7 | 1049.4 | 1239.6 | 1311.0 | 1367.4 | 1444.7 | 1474.5 | 1480.4 |
| 67.5° | 107.0 | 130.8 | 231.9 | 312.1 | 933.5 | 1114.7 | 1168.2 | 1221.8 | 1281.3 | 1311.0 | 1313.9 |
| 70° | 98.1 | 124.9 | 214.0 | 276.5 | 814.5 | 972.1 | 1016.6 | 1073.1 | 1120.7 | 1135.6 | 1144.5 |
| 72.5° | 92.1 | 115.9 | 202.2 | 249.7 | 692.6 | 835.4 | 877.0 | 909.7 | 951.3 | 966.1 | 966.1 |
| 75° | 83.3 | 104.1 | 190.2 | 222.9 | 567.8 | 683.8 | 719.4 | 752.1 | 784.8 | 790.7 | 781.9 |
| 77.5° | 74.3 | 92.1 | 163.5 | 187.3 | 442.9 | 541.0 | 570.7 | 588.6 | 615.3 | 621.3 | 624.3 |
| 80° | 62.4 | 80.3 | 127.8 | 145.6 | 321.0 | 398.3 | 419.1 | 434.1 | 457.8 | 457.8 | 463.7 |
| 82.5° | 47.6 | 62.4 | 92.1 | 104.1 | 217.0 | 273.5 | 291.3 | 300.2 | 315.1 | 315.1 | 315.1 |
| 85° | 29.7 | 38.6 | 59.5 | 68.3 | 130.8 | 166.4 | 178.4 | 181.4 | 193.2 | 196.2 | 196.2 |
| 87.5° | 14.8 | 20.8 | 38.6 | 41.6 | 68.3 | 86.2 | 86.2 | 92.1 | 92.1 | 89.1 | 86.2 |
| 90° | 7.3 | 13.2 | 19.0 | 20.5 | 32.1 | 47.7 | 55.5 | 49.4 | 37.0 | 27.8 | 27.8 |
| 92.5° | 29.2 | 79.0 | 128.7 | 141.1 | 198.2 | 274.6 | 312.7 | 274.0 | 196.8 | 138.9 | 133.3 |
| 95° | 70.2 | 161.1 | 252.0 | 274.7 | 487.8 | 771.9 | 914.0 | 815.7 | 618.9 | 471.3 | 454.6 |
| 97.5° | 121.3 | 201.5 | 281.8 | 301.8 | 657.1 | 1130.9 | 1367.8 | 1305.6 | 1181.2 | 1088.0 | 1056.2 |
| 100° | 160.7 | 233.5 | 306.3 | 324.4 | 718.7 | 1244.5 | 1507.3 | 1511.9 | 1521.0 | 1527.8 | 1489.9 |
| 102.5° | 194.4 | 262.2 | 330.1 | 347.0 | 746.9 | 1280.1 | 1546.8 | 1626.0 | 1784.5 | 1903.4 | 1870.9 |
| 105° | 251.4 | 308.8 | 366.3 | 380.7 | 767.9 | 1284.3 | 1542.4 | 1720.0 | 2075.2 | 2341.7 | 2324.2 |
| 107.5° | 309.8 | 363.4 | 416.9 | 430.4 | 771.9 | 1227.1 | 1454.7 | 1702.5 | 2198.0 | 2569.6 | 2573.9 |
| 110° | 349.2 | 397.6 | 446.0 | 458.1 | 766.0 | 1176.4 | 1381.7 | 1658.7 | 2212.6 | 2628.1 | 2646.3 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 387.9 | 434.1 | 480.3 | 491.8 | 766.2 | 1132.2 | 1315.2 | 1598.7 | 2165.6 | 2590.9 | 2618.8 |
| 115° | 446.4 | 489.0 | 531.5 | 542.2 | 773.3 | 1081.5 | 1235.5 | 1508.7 | 2054.9 | 2464.5 | 2503.2 |
| 117.5° | 504.1 | 542.8 | 581.4 | 591.1 | 787.7 | 1049.7 | 1180.7 | 1427.2 | 1920.1 | 2289.8 | 2332.8 |
| 120° | 537.8 | 574.1 | 610.5 | 619.6 | 799.3 | 1039.0 | 1158.8 | 1384.0 | 1834.4 | 2172.2 | 2213.9 |
| 122.5° | 570.6 | 607.3 | 644.1 | 653.2 | 816.1 | 1033.3 | 1142.0 | 1344.8 | 1750.4 | 2054.6 | 2095.8 |
| 125° | 621.0 | 654.5 | 688.0 | 696.3 | 838.8 | 1028.8 | 1123.7 | 1296.0 | 1640.6 | 1899.0 | 1936.9 |
| 127.5° | 662.0 | 695.7 | 729.5 | 737.9 | 861.4 | 1026.1 | 1108.4 | 1256.3 | 1552.1 | 1774.0 | 1806.0 |
| 130° | 683.8 | 720.2 | 756.6 | 765.7 | 877.9 | 1027.7 | 1102.5 | 1234.2 | 1497.6 | 1695.1 | 1724.6 |
| 132.5° | 706.5 | 742.9 | 779.2 | 788.4 | 891.4 | 1028.8 | 1097.4 | 1215.3 | 1451.0 | 1627.8 | 1654.3 |
| 135° | 740.1 | 773.3 | 806.5 | 814.7 | 906.1 | 1027.8 | 1088.7 | 1187.4 | 1384.8 | 1532.9 | 1555.7 |
| 137.5° | 774.5 | 807.2 | 840.1 | 848.3 | 927.9 | 1034.1 | 1087.2 | 1170.6 | 1337.6 | 1462.7 | 1481.4 |
| 140° | 802.9 | 833.2 | 863.4 | 870.9 | 941.3 | 1035.2 | 1082.1 | 1154.2 | 1298.4 | 1406.5 | 1424.0 |
| 142.5° | 824.9 | 852.8 | 880.8 | 887.7 | 952.5 | 1038.9 | 1082.1 | 1145.4 | 1272.0 | 1367.1 | 1382.1 |
| 145° | 858.5 | 882.9 | 907.3 | 913.3 | 967.2 | 1038.9 | 1074.8 | 1126.6 | 1230.1 | 1307.9 | 1319.2 |
| 147.5° | 892.1 | 915.8 | 939.5 | 945.5 | 988.6 | 1046.1 | 1074.8 | 1115.5 | 1197.0 | 1258.2 | 1267.6 |
| 150° | 914.0 | 935.5 | 956.9 | 962.3 | 999.8 | 1049.7 | 1074.8 | 1109.2 | 1178.1 | 1229.7 | 1237.4 |
| 152.5° | 936.7 | 953.0 | 969.2 | 973.2 | 1007.1 | 1052.2 | 1074.8 | 1104.2 | 1163.0 | 1207.0 | 1212.8 |
| 155° | 970.3 | 982.3 | 994.3 | 997.3 | 1023.1 | 1057.6 | 1074.8 | 1098.1 | 1145.0 | 1180.0 | 1183.8 |
| 157.5° | 995.1 | 1006.8 | 1018.6 | 1021.5 | 1039.2 | 1062.9 | 1074.8 | 1093.0 | 1129.3 | 1156.6 | 1159.3 |
| 160° | 1012.0 | 1021.1 | 1030.2 | 1032.4 | 1046.6 | 1065.4 | 1074.8 | 1090.4 | 1121.6 | 1145.0 | 1146.5 |
| 162.5° | 1028.8 | 1035.6 | 1042.5 | 1044.1 | 1054.3 | 1067.9 | 1074.8 | 1088.0 | 1114.2 | 1134.0 | 1135.5 |
| 165° | 1047.0 | 1053.2 | 1059.3 | 1060.9 | 1065.6 | 1071.7 | 1074.8 | 1084.2 | 1103.1 | 1117.2 | 1118.8 |
| 167.5° | 1063.8 | 1066.7 | 1069.7 | 1070.4 | 1074.2 | 1079.4 | 1082.1 | 1088.2 | 1100.6 | 1109.8 | 1110.4 |
| 170° | 1074.8 | 1077.7 | 1080.7 | 1081.4 | 1081.6 | 1081.9 | 1082.1 | 1088.2 | 1100.6 | 1109.8 | 1109.8 |
| 172.5° | 1080.7 | 1081.3 | 1081.9 | 1082.1 | 1082.1 | 1082.1 | 1082.1 | 1087.0 | 1096.7 | 1104.0 | 1103.5 |
| 175° | 1088.7 | 1088.7 | 1088.7 | 1088.7 | 1086.5 | 1083.6 | 1082.1 | 1085.1 | 1091.3 | 1095.9 | 1095.9 |
| 177.5° | 1088.7 | 1088.7 | 1088.7 | 1088.7 | 1087.0 | 1084.7 | 1083.6 | 1086.0 | 1090.8 | 1094.5 | 1093.9 |
| 180° | 1088.7 | 1088.7 | 1088.7 | 1088.7 | 1088.7 | 1088.7 | 1088.7 | 1088.7 | 1088.7 | 1088.7 | 1088.7 |



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CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 924.5 | 924.5 |
| 2.5° | 986.9 | 981.0 |
| 5° | 1269.3 | 1275.3 |
| 7.5° | 1709.3 | 1706.4 |
| 10° | 2125.5 | 2152.3 |
| 12.5° | 2428.7 | 2434.7 |
| 15° | 2613.0 | 2624.9 |
| 17.5° | 2684.4 | 2687.3 |
| 20° | 2687.3 | 2681.4 |
| 22.5° | 2654.7 | 2648.7 |
| 25° | 2616.0 | 2613.0 |
| 27.5° | 2580.3 | 2583.3 |
| 30° | 2565.4 | 2574.4 |
| 32.5° | 2565.4 | 2580.3 |
| 35° | 2571.4 | 2586.2 |
| 37.5° | 2568.4 | 2586.2 |
| 40° | 2556.6 | 2577.4 |
| 42.5° | 2523.8 | 2538.7 |
| 45° | 2473.3 | 2491.1 |
| 47.5° | 2407.9 | 2419.8 |
| 50° | 2324.7 | 2336.5 |
| 52.5° | 2220.6 | 2223.6 |
| 55° | 2095.7 | 2107.7 |
| 57.5° | 1961.9 | 1964.9 |
| 60° | 1813.3 | 1822.3 |
| 62.5° | 1655.8 | 1655.8 |
| 65° | 1489.3 | 1495.3 |
| 67.5° | 1316.9 | 1331.8 |
| 70° | 1141.5 | 1144.5 |
| 72.5° | 969.1 | 969.1 |
| 75° | 790.7 | 793.7 |
| 77.5° | 621.3 | 621.3 |
| 80° | 460.8 | 463.7 |
| 82.5° | 318.1 | 324.0 |
| 85° | 199.2 | 199.2 |
| 87.5° | 92.1 | 83.3 |
| 90° | 27.8 | 27.8 |
| 92.5° | 111.3 | 89.1 |
| 95° | 387.7 | 320.8 |
| 97.5° | 928.8 | 801.5 |
| 100° | 1338.3 | 1186.6 |
| 102.5° | 1741.0 | 1611.1 |
| 105° | 2254.4 | 2184.6 |
| 107.5° | 2590.8 | 2607.7 |
| 110° | 2719.0 | 2791.8 |



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CATALOG NUMBER: SQ4-FB-100U-125D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 2730.5 | 2842.2 |
| 115° | 2658.1 | 2813.0 |
| 117.5° | 2504.6 | 2676.4 |
| 120° | 2380.9 | 2547.8 |
| 122.5° | 2260.4 | 2425.0 |
| 125° | 2088.5 | 2240.2 |
| 127.5° | 1933.9 | 2061.9 |
| 130° | 1842.9 | 1961.1 |
| 132.5° | 1760.2 | 1866.0 |
| 135° | 1647.0 | 1738.2 |
| 137.5° | 1556.1 | 1630.8 |
| 140° | 1493.7 | 1563.6 |
| 142.5° | 1442.2 | 1502.2 |
| 145° | 1364.7 | 1410.1 |
| 147.5° | 1305.2 | 1342.9 |
| 150° | 1267.8 | 1298.4 |
| 152.5° | 1235.9 | 1258.9 |
| 155° | 1199.1 | 1214.3 |
| 157.5° | 1170.0 | 1180.7 |
| 160° | 1152.7 | 1158.8 |
| 162.5° | 1141.3 | 1147.1 |
| 165° | 1124.9 | 1131.1 |
| 167.5° | 1113.1 | 1115.7 |
| 170° | 1109.8 | 1109.8 |
| 172.5° | 1101.2 | 1098.9 |
| 175° | 1095.9 | 1095.9 |
| 177.5° | 1091.3 | 1088.7 |
| 180° | 1088.7 | 1088.7 |



TEST NUMBER: P937765
 CATALOG NUMBER: SQ4-FB-100U-125D-93050-1D-UNV-STD-W-8-3000K

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 | 6.10 | 7.00 | 7.04 | 7.97 | 9.23 | 19.28 | 20.18 | 20.22 | 21.15 | 22.41 |
| | 3H | 6.81 | 7.62 | 7.76 | 8.59 | 9.88 | 21.12 | 21.93 | 22.07 | 22.91 | 24.19 |
| | 4H | 7.11 | 7.88 | 8.08 | 8.86 | 10.15 | 21.76 | 22.53 | 22.74 | 23.52 | 24.81 |
| | 6H | 7.36 | 8.07 | 8.34 | 9.05 | 10.36 | 22.20 | 22.91 | 23.18 | 23.89 | 25.20 |
| | 8H | 7.43 | 8.10 | 8.42 | 9.11 | 10.41 | 22.32 | 23.00 | 23.31 | 24.00 | 25.30 |
| | 12H | 7.45 | 8.09 | 8.44 | 9.09 | 10.42 | 22.39 | 23.03 | 23.38 | 24.03 | 25.36 |
| 4H | 2H | 13.32 | 14.09 | 14.29 | 15.07 | 16.36 | 19.55 | 20.32 | 20.53 | 21.31 | 22.60 |
| | 3H | 14.89 | 15.53 | 15.88 | 16.54 | 17.85 | 21.60 | 22.25 | 22.59 | 23.26 | 24.57 |
| | 4H | 14.98 | 15.58 | 15.98 | 16.58 | 17.91 | 22.37 | 22.96 | 23.37 | 23.97 | 25.30 |
| | 6H | 15.00 | 15.51 | 16.01 | 16.53 | 17.86 | 22.91 | 23.42 | 23.92 | 24.45 | 25.78 |
| | 8H | 14.98 | 15.45 | 15.99 | 16.47 | 17.82 | 23.08 | 23.55 | 24.09 | 24.57 | 25.92 |
| | 12H | 14.93 | 15.37 | 15.96 | 16.40 | 17.75 | 23.17 | 23.60 | 24.20 | 24.64 | 25.99 |
| 8H | 4H | 16.43 | 16.91 | 17.44 | 17.93 | 19.27 | 22.44 | 22.91 | 23.45 | 23.93 | 25.28 |
| | 6H | 16.68 | 17.07 | 17.71 | 18.13 | 19.48 | 23.07 | 23.46 | 24.10 | 24.52 | 25.87 |
| | 8H | 16.70 | 17.04 | 17.74 | 18.09 | 19.45 | 23.29 | 23.64 | 24.33 | 24.68 | 26.04 |
| | 12H | 16.67 | 16.97 | 17.71 | 18.02 | 19.42 | 23.44 | 23.74 | 24.48 | 24.78 | 26.19 |
| 12H | 4H | 16.58 | 17.01 | 17.61 | 18.05 | 19.40 | 22.39 | 22.82 | 23.42 | 23.86 | 25.21 |
| | 6H | 16.94 | 17.29 | 17.98 | 18.33 | 19.69 | 23.05 | 23.40 | 24.09 | 24.45 | 25.81 |
| | 8H | 17.01 | 17.31 | 18.06 | 18.36 | 19.76 | 23.28 | 23.59 | 24.33 | 24.63 | 26.04 |