

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: P937781

Luminaire Tested: SQ4-FB-100U-125D-B2750-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P937781
REPORT IS A COMBINATION OF REPORTS P933560 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-STD-W-12-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

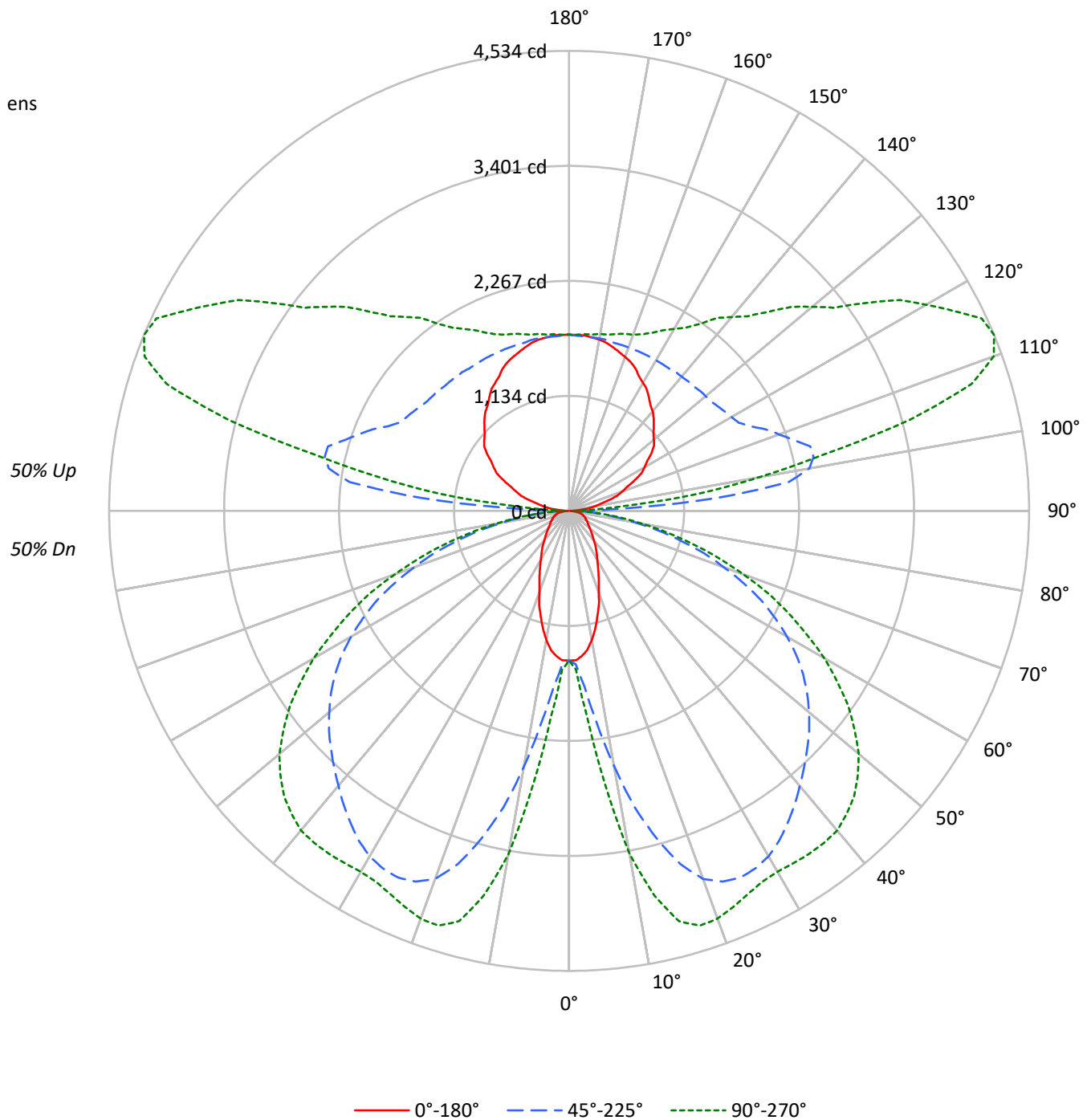
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22672.0 lumens
Efficiency: N/A
Efficacy: 109.8 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: General Diffuse

Input Watts (W): 206.4
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: P937781
CATALOG NUMBER: SQ4-FB-100U-125D-B2750-1D-UNV-STD-W-12-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P937781

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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 | 50 | 30 | 10 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 69 | 69 | 69 | 56 | 56 | 56 | 56 | 56 | 50 |
| 1 | 97 | 93 | 89 | 85 | 90 | 86 | 82 | 79 | 72 | 70 | 67 | 60 | 58 | 57 | 49 | 48 | 47 | 47 | 47 | 41 |
| 2 | 88 | 80 | 74 | 68 | 81 | 74 | 69 | 64 | 63 | 59 | 55 | 52 | 49 | 46 | 42 | 40 | 38 | 38 | 38 | 34 |
| 3 | 80 | 70 | 62 | 56 | 73 | 65 | 58 | 53 | 55 | 50 | 45 | 46 | 42 | 39 | 37 | 34 | 32 | 32 | 32 | 28 |
| 4 | 73 | 62 | 53 | 47 | 67 | 57 | 50 | 44 | 48 | 43 | 38 | 40 | 36 | 32 | 33 | 30 | 27 | 27 | 27 | 23 |
| 5 | 67 | 54 | 46 | 40 | 61 | 50 | 43 | 37 | 43 | 37 | 32 | 36 | 31 | 28 | 29 | 26 | 23 | 23 | 23 | 20 |
| 6 | 61 | 49 | 40 | 34 | 56 | 45 | 37 | 32 | 38 | 32 | 28 | 32 | 27 | 24 | 26 | 23 | 20 | 20 | 20 | 17 |
| 7 | 56 | 44 | 35 | 30 | 52 | 40 | 33 | 28 | 34 | 29 | 24 | 29 | 24 | 21 | 24 | 20 | 17 | 17 | 17 | 15 |
| 8 | 52 | 39 | 31 | 26 | 48 | 37 | 29 | 24 | 31 | 25 | 21 | 26 | 22 | 18 | 22 | 18 | 15 | 15 | 15 | 13 |
| 9 | 48 | 36 | 28 | 23 | 44 | 33 | 26 | 21 | 28 | 23 | 19 | 24 | 19 | 16 | 20 | 16 | 14 | 14 | 14 | 11 |
| 10 | 45 | 33 | 25 | 20 | 41 | 30 | 24 | 19 | 26 | 21 | 17 | 22 | 18 | 15 | 18 | 15 | 12 | 12 | 12 | 10 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|-------|-------|
| 0° | 4561 | 4561 | 4561 |
| 5° | 4458 | 5273 | 6131 |
| 10° | 4045 | 7688 | 10164 |
| 15° | 3439 | 10047 | 12273 |
| 20° | 2801 | 11646 | 12508 |
| 25° | 2337 | 12190 | 12254 |
| 30° | 1972 | 12270 | 12231 |
| 35° | 1745 | 12069 | 12547 |
| 40° | 1521 | 11808 | 12874 |
| 45° | 1378 | 11618 | 12924 |
| 50° | 1265 | 11447 | 12710 |
| 55° | 1213 | 11196 | 12147 |
| 60° | 1243 | 10709 | 11257 |
| 65° | 1296 | 9966 | 10035 |
| 70° | 1383 | 8698 | 8477 |
| 75° | 1538 | 7098 | 6616 |
| 80° | 1694 | 4929 | 4458 |
| 85° | 1536 | 2620 | 2282 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 12924 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 190.8 | 0.8 |
| 10°-20° | 845.4 | 3.7 |
| 20°-30° | 1478.8 | 6.5 |
| 30°-40° | 1903.6 | 8.4 |
| 40°-50° | 2126.3 | 9.4 |
| 50°-60° | 2036.5 | 9.0 |
| 60°-70° | 1613.9 | 7.1 |
| 70°-80° | 949.0 | 4.2 |
| 80°-90° | 270.3 | 1.2 |
| 90°-100° | 846.5 | 3.7 |
| 100°-110° | 2225.5 | 9.8 |
| 110°-120° | 2307.6 | 10.2 |
| 120°-130° | 1851.0 | 8.2 |
| 130°-140° | 1452.3 | 6.4 |
| 140°-150° | 1114.7 | 4.9 |
| 150°-160° | 802.8 | 3.5 |
| 160°-170° | 491.2 | 2.2 |
| 170°-180° | 165.9 | 0.7 |
| 0°-30° | 2514.9 | 11.1 |
| 0°-40° | 4418.6 | 19.5 |
| 0°-60° | 8581.3 | 37.8 |
| 0°-90° | 11414.5 | 50.3 |
| 90°-120° | 5379.5 | 23.7 |
| 90°-150° | 9797.5 | 43.2 |
| 90°-180° | 11257.0 | 49.7 |
| 0°-180° | 22672.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1475 | 1475 | 1475 | 1475 | 1475 | |
| 5° | 1437 | 1541 | 1736 | 1963 | 2034 | 133 |
| 15° | 1076 | 1987 | 3348 | 4059 | 4187 | 300 |
| 25° | 688 | 2252 | 3988 | 4163 | 4168 | 317 |
| 35° | 465 | 2153 | 3755 | 3969 | 4125 | 290 |
| 45° | 318 | 1716 | 3319 | 3803 | 3974 | 246 |
| 55° | 228 | 1090 | 2817 | 3272 | 3362 | 207 |
| 65° | 180 | 578 | 2091 | 2352 | 2385 | 179 |
| 75° | 133 | 356 | 1148 | 1261 | 1266 | 139 |
| 85° | 47 | 109 | 284 | 313 | 318 | 50 |
| 90° | 12 | 33 | 88 | 44 | 44 | 13 |
| 95° | 112 | 438 | 1458 | 752 | 512 | 124 |
| 105° | 401 | 607 | 2460 | 3735 | 3485 | 425 |
| 115° | 712 | 865 | 1971 | 3931 | 4487 | 703 |
| 125° | 991 | 1111 | 1792 | 3029 | 3573 | 880 |
| 135° | 1181 | 1300 | 1737 | 2445 | 2773 | 913 |
| 145° | 1369 | 1457 | 1714 | 2086 | 2249 | 858 |
| 155° | 1548 | 1591 | 1714 | 1882 | 1937 | 711 |
| 165° | 1670 | 1692 | 1714 | 1782 | 1804 | 471 |
| 175° | 1737 | 1737 | 1726 | 1748 | 1748 | 165 |
| 180° | 1737 | 1737 | 1737 | 1737 | 1737 | |



TEST NUMBER: P937781

CATALOG NUMBER: SQ4-FB-100U-125D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1474.7 | 1474.7 | 1474.7 | 1474.7 | 1474.7 | 1474.7 | 1474.7 | 1474.7 | 1474.7 | 1474.7 | 1474.7 |
| 2.5° | 1474.7 | 1474.7 | 1484.1 | 1488.9 | 1498.3 | 1503.1 | 1512.6 | 1522.0 | 1550.5 | 1555.3 | 1564.7 |
| 5° | 1436.7 | 1455.6 | 1517.3 | 1541.0 | 1607.4 | 1697.5 | 1735.5 | 1797.1 | 1925.1 | 1963.1 | 1986.7 |
| 7.5° | 1379.8 | 1422.5 | 1574.3 | 1612.2 | 1778.1 | 2015.2 | 2114.8 | 2247.6 | 2451.5 | 2551.0 | 2631.6 |
| 10° | 1289.8 | 1379.8 | 1650.1 | 1740.1 | 2010.4 | 2370.8 | 2555.7 | 2740.6 | 3048.9 | 3186.3 | 3238.6 |
| 12.5° | 1190.2 | 1337.1 | 1730.7 | 1854.0 | 2242.8 | 2769.1 | 2992.0 | 3195.9 | 3546.8 | 3731.7 | 3760.1 |
| 15° | 1076.3 | 1275.5 | 1806.5 | 1986.7 | 2489.4 | 3101.1 | 3347.5 | 3598.9 | 3926.1 | 4058.9 | 4092.0 |
| 17.5° | 976.8 | 1228.1 | 1877.7 | 2067.3 | 2679.0 | 3399.8 | 3651.1 | 3859.7 | 4125.2 | 4215.3 | 4239.1 |
| 20° | 853.5 | 1152.2 | 1925.1 | 2171.6 | 2878.2 | 3617.8 | 3859.7 | 4020.9 | 4201.1 | 4258.0 | 4267.4 |
| 22.5° | 763.4 | 1071.6 | 1953.6 | 2209.6 | 3010.9 | 3750.7 | 3954.6 | 4082.5 | 4205.8 | 4224.8 | 4229.5 |
| 25° | 687.5 | 981.5 | 1948.8 | 2252.2 | 3124.7 | 3831.3 | 3987.7 | 4082.5 | 4153.7 | 4163.1 | 4163.1 |
| 27.5° | 616.4 | 882.0 | 1929.8 | 2261.8 | 3210.1 | 3850.2 | 3973.5 | 4039.8 | 4073.1 | 4092.0 | 4092.0 |
| 30° | 554.8 | 787.1 | 1882.4 | 2242.8 | 3248.0 | 3831.3 | 3930.8 | 3964.0 | 3997.2 | 4025.6 | 4039.8 |
| 32.5° | 507.3 | 697.0 | 1811.3 | 2204.9 | 3252.7 | 3783.8 | 3855.0 | 3874.0 | 3921.3 | 3987.7 | 4011.4 |
| 35° | 464.7 | 606.9 | 1730.7 | 2152.7 | 3224.4 | 3708.0 | 3755.3 | 3774.4 | 3869.2 | 3968.8 | 4001.9 |
| 37.5° | 422.0 | 540.5 | 1626.4 | 2062.6 | 3181.7 | 3617.8 | 3651.1 | 3684.3 | 3831.3 | 3949.8 | 3987.7 |
| 40° | 379.3 | 483.6 | 1503.1 | 1963.1 | 3115.3 | 3508.9 | 3537.2 | 3589.5 | 3783.8 | 3921.3 | 3959.2 |
| 42.5° | 346.1 | 436.3 | 1370.4 | 1858.8 | 3029.9 | 3385.6 | 3428.2 | 3504.1 | 3726.9 | 3874.0 | 3916.6 |
| 45° | 317.7 | 388.8 | 1228.1 | 1716.5 | 2920.8 | 3257.5 | 3319.2 | 3423.5 | 3660.5 | 3802.8 | 3840.7 |
| 47.5° | 289.3 | 355.7 | 1081.1 | 1569.5 | 2802.3 | 3129.5 | 3210.1 | 3328.6 | 3570.5 | 3708.0 | 3741.1 |
| 50° | 265.5 | 322.4 | 934.1 | 1413.0 | 2674.3 | 2992.0 | 3086.8 | 3210.1 | 3456.6 | 3584.7 | 3627.4 |
| 52.5° | 246.6 | 294.0 | 796.6 | 1256.5 | 2527.3 | 2849.7 | 2958.8 | 3086.8 | 3319.2 | 3442.4 | 3470.8 |
| 55° | 227.6 | 270.3 | 678.1 | 1090.5 | 2375.5 | 2698.0 | 2816.6 | 2939.9 | 3167.4 | 3271.7 | 3290.7 |
| 57.5° | 218.1 | 251.3 | 578.5 | 934.1 | 2214.3 | 2527.3 | 2660.0 | 2773.9 | 2987.2 | 3067.8 | 3086.8 |
| 60° | 203.9 | 237.0 | 502.6 | 801.4 | 2038.9 | 2366.1 | 2479.9 | 2593.7 | 2773.9 | 2840.2 | 2854.5 |
| 62.5° | 189.7 | 227.6 | 445.7 | 673.3 | 1858.8 | 2176.4 | 2290.2 | 2394.5 | 2546.3 | 2593.7 | 2612.7 |
| 65° | 180.2 | 218.1 | 403.0 | 578.5 | 1673.8 | 1977.3 | 2091.0 | 2181.2 | 2304.5 | 2351.8 | 2361.3 |
| 67.5° | 170.7 | 208.7 | 369.9 | 497.9 | 1488.9 | 1778.1 | 1863.4 | 1948.8 | 2043.7 | 2091.0 | 2095.8 |
| 70° | 156.4 | 199.1 | 341.4 | 440.9 | 1299.2 | 1550.5 | 1621.6 | 1711.7 | 1787.6 | 1811.3 | 1825.5 |
| 72.5° | 147.0 | 184.9 | 322.4 | 398.3 | 1104.8 | 1332.4 | 1398.8 | 1451.0 | 1517.3 | 1541.0 | 1541.0 |
| 75° | 132.7 | 166.0 | 303.5 | 355.7 | 905.6 | 1090.5 | 1147.5 | 1199.6 | 1251.7 | 1261.3 | 1247.1 |
| 77.5° | 118.5 | 147.0 | 260.8 | 298.7 | 706.5 | 863.0 | 910.4 | 938.9 | 981.5 | 991.0 | 995.7 |
| 80° | 99.6 | 128.1 | 203.9 | 232.4 | 512.1 | 635.4 | 668.6 | 692.3 | 730.2 | 730.2 | 739.7 |
| 82.5° | 75.8 | 99.6 | 147.0 | 166.0 | 346.1 | 436.3 | 464.7 | 478.9 | 502.6 | 502.6 | 502.6 |
| 85° | 47.4 | 61.6 | 94.8 | 109.1 | 208.7 | 265.5 | 284.5 | 289.3 | 308.2 | 313.0 | 313.0 |
| 87.5° | 23.7 | 33.2 | 61.6 | 66.4 | 109.1 | 137.5 | 137.5 | 147.0 | 147.0 | 142.2 | 137.5 |
| 90° | 11.7 | 21.0 | 30.3 | 32.6 | 51.3 | 76.1 | 88.5 | 78.7 | 59.0 | 44.3 | 44.3 |
| 92.5° | 46.6 | 125.8 | 205.1 | 224.9 | 316.3 | 438.0 | 498.8 | 437.2 | 313.9 | 221.5 | 212.7 |
| 95° | 111.9 | 256.9 | 402.0 | 438.2 | 778.1 | 1231.4 | 1458.0 | 1301.1 | 987.1 | 751.7 | 725.0 |
| 97.5° | 193.4 | 321.4 | 449.3 | 481.4 | 1048.1 | 1803.8 | 2181.7 | 2082.5 | 1884.2 | 1735.4 | 1684.7 |
| 100° | 256.4 | 372.4 | 488.4 | 517.4 | 1146.4 | 1985.0 | 2404.4 | 2411.7 | 2426.2 | 2437.0 | 2376.6 |
| 102.5° | 310.0 | 418.2 | 526.5 | 553.6 | 1191.5 | 2042.1 | 2467.3 | 2593.7 | 2846.5 | 3036.1 | 2984.2 |
| 105° | 401.0 | 492.6 | 584.3 | 607.2 | 1224.9 | 2048.5 | 2460.3 | 2743.7 | 3310.4 | 3735.3 | 3707.5 |
| 107.5° | 494.2 | 579.6 | 665.1 | 686.5 | 1231.1 | 1957.3 | 2320.4 | 2715.7 | 3506.1 | 4099.0 | 4105.7 |
| 110° | 557.1 | 634.3 | 711.4 | 730.8 | 1221.8 | 1876.5 | 2203.9 | 2645.7 | 3529.4 | 4192.2 | 4221.2 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 618.9 | 692.5 | 766.0 | 784.4 | 1222.2 | 1806.0 | 2097.9 | 2550.1 | 3454.5 | 4132.8 | 4177.3 |
| 115° | 712.1 | 780.0 | 847.8 | 864.8 | 1233.4 | 1725.0 | 1970.8 | 2406.5 | 3277.7 | 3931.1 | 3992.8 |
| 117.5° | 804.2 | 865.8 | 927.5 | 942.9 | 1256.4 | 1674.4 | 1883.4 | 2276.5 | 3062.9 | 3652.6 | 3721.1 |
| 120° | 857.8 | 915.8 | 973.9 | 988.4 | 1275.1 | 1657.4 | 1848.5 | 2207.7 | 2926.1 | 3465.0 | 3531.5 |
| 122.5° | 910.3 | 968.8 | 1027.3 | 1042.0 | 1301.9 | 1648.4 | 1821.7 | 2145.1 | 2792.1 | 3277.3 | 3343.0 |
| 125° | 990.7 | 1044.0 | 1097.4 | 1110.7 | 1338.0 | 1641.0 | 1792.5 | 2067.3 | 2616.9 | 3029.1 | 3089.5 |
| 127.5° | 1055.9 | 1109.8 | 1163.7 | 1177.1 | 1374.1 | 1636.7 | 1768.1 | 2004.0 | 2475.8 | 2829.7 | 2880.7 |
| 130° | 1090.9 | 1148.9 | 1206.9 | 1221.4 | 1400.5 | 1639.4 | 1758.7 | 1968.8 | 2388.9 | 2703.9 | 2751.1 |
| 132.5° | 1127.1 | 1185.1 | 1243.1 | 1257.5 | 1421.8 | 1640.9 | 1750.5 | 1938.5 | 2314.6 | 2596.7 | 2638.9 |
| 135° | 1180.7 | 1233.4 | 1286.3 | 1299.5 | 1445.2 | 1639.5 | 1736.6 | 1894.1 | 2208.9 | 2445.1 | 2481.5 |
| 137.5° | 1235.4 | 1287.7 | 1340.0 | 1353.1 | 1480.1 | 1649.5 | 1734.3 | 1867.3 | 2133.6 | 2333.3 | 2363.1 |
| 140° | 1280.9 | 1329.1 | 1377.2 | 1389.2 | 1501.5 | 1651.2 | 1726.0 | 1841.0 | 2071.1 | 2243.6 | 2271.4 |
| 142.5° | 1315.8 | 1360.4 | 1404.9 | 1416.0 | 1519.3 | 1657.1 | 1726.0 | 1827.1 | 2029.1 | 2180.6 | 2204.5 |
| 145° | 1369.4 | 1408.3 | 1447.1 | 1456.9 | 1542.7 | 1657.2 | 1714.5 | 1797.0 | 1962.2 | 2086.2 | 2104.3 |
| 147.5° | 1423.0 | 1460.9 | 1498.7 | 1508.1 | 1576.9 | 1668.6 | 1714.5 | 1779.5 | 1909.5 | 2007.0 | 2022.0 |
| 150° | 1458.0 | 1492.2 | 1526.3 | 1534.9 | 1594.8 | 1674.6 | 1714.5 | 1769.4 | 1879.1 | 1961.5 | 1973.6 |
| 152.5° | 1494.1 | 1520.0 | 1546.0 | 1552.4 | 1606.4 | 1678.4 | 1714.5 | 1761.3 | 1855.0 | 1925.3 | 1934.5 |
| 155° | 1547.7 | 1566.9 | 1586.1 | 1590.9 | 1632.1 | 1687.0 | 1714.5 | 1751.7 | 1826.3 | 1882.2 | 1888.3 |
| 157.5° | 1587.3 | 1606.0 | 1624.7 | 1629.4 | 1657.8 | 1695.6 | 1714.5 | 1743.4 | 1801.4 | 1844.9 | 1849.2 |
| 160° | 1614.1 | 1628.7 | 1643.2 | 1646.8 | 1669.3 | 1699.4 | 1714.5 | 1739.3 | 1789.0 | 1826.3 | 1828.7 |
| 162.5° | 1640.9 | 1651.8 | 1662.7 | 1665.4 | 1681.8 | 1703.5 | 1714.5 | 1735.4 | 1777.3 | 1808.8 | 1811.1 |
| 165° | 1670.1 | 1679.9 | 1689.8 | 1692.2 | 1699.6 | 1709.5 | 1714.5 | 1729.5 | 1759.5 | 1782.0 | 1784.4 |
| 167.5° | 1696.9 | 1701.6 | 1706.2 | 1707.4 | 1713.6 | 1721.9 | 1726.0 | 1735.9 | 1755.6 | 1770.4 | 1771.4 |
| 170° | 1714.5 | 1719.1 | 1723.8 | 1724.9 | 1725.3 | 1725.8 | 1726.0 | 1735.9 | 1755.6 | 1770.4 | 1770.4 |
| 172.5° | 1723.7 | 1724.7 | 1725.8 | 1726.0 | 1726.0 | 1726.0 | 1726.0 | 1733.8 | 1749.4 | 1761.1 | 1760.1 |
| 175° | 1736.6 | 1736.6 | 1736.6 | 1736.6 | 1733.0 | 1728.4 | 1726.0 | 1731.0 | 1740.8 | 1748.2 | 1748.2 |
| 177.5° | 1736.6 | 1736.6 | 1736.6 | 1736.6 | 1733.9 | 1730.2 | 1728.4 | 1732.3 | 1740.0 | 1745.8 | 1744.8 |
| 180° | 1736.6 | 1736.6 | 1736.6 | 1736.6 | 1736.6 | 1736.6 | 1736.6 | 1736.6 | 1736.6 | 1736.6 | 1736.6 |



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CATALOG NUMBER: SQ4-FB-100U-125D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 1474.7 | 1474.7 |
| 2.5° | 1574.3 | 1564.7 |
| 5° | 2024.7 | 2034.2 |
| 7.5° | 2726.4 | 2721.7 |
| 10° | 3390.2 | 3432.9 |
| 12.5° | 3874.0 | 3883.4 |
| 15° | 4167.9 | 4186.8 |
| 17.5° | 4281.7 | 4286.4 |
| 20° | 4286.4 | 4277.0 |
| 22.5° | 4234.3 | 4224.8 |
| 25° | 4172.6 | 4167.9 |
| 27.5° | 4115.8 | 4120.5 |
| 30° | 4092.0 | 4106.2 |
| 32.5° | 4092.0 | 4115.8 |
| 35° | 4101.5 | 4125.2 |
| 37.5° | 4096.8 | 4125.2 |
| 40° | 4077.8 | 4111.0 |
| 42.5° | 4025.6 | 4049.4 |
| 45° | 3945.0 | 3973.5 |
| 47.5° | 3840.7 | 3859.7 |
| 50° | 3708.0 | 3726.9 |
| 52.5° | 3542.0 | 3546.8 |
| 55° | 3342.9 | 3361.8 |
| 57.5° | 3129.5 | 3134.2 |
| 60° | 2892.4 | 2906.6 |
| 62.5° | 2641.1 | 2641.1 |
| 65° | 2375.5 | 2385.1 |
| 67.5° | 2100.6 | 2124.3 |
| 70° | 1820.8 | 1825.5 |
| 72.5° | 1545.8 | 1545.8 |
| 75° | 1261.3 | 1266.0 |
| 77.5° | 991.0 | 991.0 |
| 80° | 735.0 | 739.7 |
| 82.5° | 507.3 | 516.9 |
| 85° | 317.7 | 317.7 |
| 87.5° | 147.0 | 132.7 |
| 90° | 44.3 | 44.3 |
| 92.5° | 177.4 | 142.2 |
| 95° | 618.3 | 511.6 |
| 97.5° | 1481.6 | 1278.6 |
| 100° | 2134.7 | 1892.8 |
| 102.5° | 2777.1 | 2569.9 |
| 105° | 3596.1 | 3484.8 |
| 107.5° | 4132.7 | 4159.6 |
| 110° | 4337.2 | 4453.3 |



TEST NUMBER: P937781

CATALOG NUMBER: SQ4-FB-100U-125D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 4355.5 | 4533.7 |
| 115° | 4240.0 | 4487.0 |
| 117.5° | 3995.1 | 4269.1 |
| 120° | 3797.7 | 4064.0 |
| 122.5° | 3605.5 | 3868.2 |
| 125° | 3331.4 | 3573.3 |
| 127.5° | 3084.9 | 3289.0 |
| 130° | 2939.6 | 3128.2 |
| 132.5° | 2807.8 | 2976.7 |
| 135° | 2627.1 | 2772.7 |
| 137.5° | 2482.2 | 2601.4 |
| 140° | 2382.8 | 2494.2 |
| 142.5° | 2300.3 | 2396.2 |
| 145° | 2176.9 | 2249.4 |
| 147.5° | 2082.1 | 2142.1 |
| 150° | 2022.4 | 2071.1 |
| 152.5° | 1971.3 | 2008.1 |
| 155° | 1912.6 | 1937.0 |
| 157.5° | 1866.3 | 1883.4 |
| 160° | 1838.6 | 1848.5 |
| 162.5° | 1820.5 | 1829.8 |
| 165° | 1794.3 | 1804.1 |
| 167.5° | 1775.5 | 1779.6 |
| 170° | 1770.4 | 1770.4 |
| 172.5° | 1756.5 | 1752.8 |
| 175° | 1748.2 | 1748.2 |
| 177.5° | 1740.7 | 1736.6 |
| 180° | 1736.6 | 1736.6 |



TEST NUMBER: P937781
 CATALOG NUMBER: SQ4-FB-100U-125D-B2750-1D-UNV-STD-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 | 6.32 | 7.22 | 7.26 | 8.19 | 9.45 | 19.51 | 20.41 | 20.45 | 21.38 | 22.64 |
| | 3H | 7.02 | 7.84 | 7.98 | 8.81 | 10.10 | 21.35 | 22.17 | 22.31 | 23.14 | 24.43 |
| | 4H | 7.32 | 8.09 | 8.29 | 9.07 | 10.37 | 22.01 | 22.77 | 22.98 | 23.76 | 25.05 |
| | 6H | 7.58 | 8.29 | 8.56 | 9.27 | 10.58 | 22.44 | 23.15 | 23.43 | 24.14 | 25.45 |
| | 8H | 7.65 | 8.32 | 8.63 | 9.33 | 10.63 | 22.57 | 23.24 | 23.56 | 24.25 | 25.55 |
| | 12H | 7.66 | 8.31 | 8.66 | 9.31 | 10.64 | 22.64 | 23.28 | 23.63 | 24.28 | 25.61 |
| 4H | 2H | 13.54 | 14.31 | 14.52 | 15.29 | 16.59 | 19.79 | 20.55 | 20.76 | 21.54 | 22.83 |
| | 3H | 15.11 | 15.76 | 16.10 | 16.77 | 18.08 | 21.84 | 22.48 | 22.83 | 23.49 | 24.80 |
| | 4H | 15.21 | 15.80 | 16.21 | 16.80 | 18.14 | 22.61 | 23.20 | 23.61 | 24.21 | 25.54 |
| | 6H | 15.22 | 15.73 | 16.23 | 16.76 | 18.09 | 23.16 | 23.67 | 24.17 | 24.70 | 26.02 |
| | 8H | 15.20 | 15.68 | 16.21 | 16.70 | 18.04 | 23.32 | 23.80 | 24.33 | 24.82 | 26.17 |
| | 12H | 15.16 | 15.59 | 16.19 | 16.63 | 17.98 | 23.42 | 23.85 | 24.45 | 24.89 | 26.24 |
| 8H | 4H | 16.66 | 17.14 | 17.67 | 18.16 | 19.50 | 22.68 | 23.15 | 23.69 | 24.17 | 25.52 |
| | 6H | 16.91 | 17.30 | 17.94 | 18.36 | 19.70 | 23.31 | 23.71 | 24.35 | 24.77 | 26.11 |
| | 8H | 16.93 | 17.27 | 17.97 | 18.32 | 19.68 | 23.54 | 23.88 | 24.58 | 24.93 | 26.29 |
| | 12H | 16.90 | 17.20 | 17.94 | 18.24 | 19.65 | 23.69 | 23.99 | 24.73 | 25.03 | 26.44 |
| 12H | 4H | 16.81 | 17.24 | 17.84 | 18.28 | 19.63 | 22.63 | 23.06 | 23.66 | 24.10 | 25.45 |
| | 6H | 17.17 | 17.52 | 18.21 | 18.56 | 19.92 | 23.30 | 23.64 | 24.34 | 24.69 | 26.05 |
| | 8H | 17.24 | 17.55 | 18.29 | 18.59 | 19.99 | 23.53 | 23.84 | 24.58 | 24.88 | 26.28 |