

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: P936981

Luminaire Tested: SQ4-FB-050U-125D-B2750-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936981
REPORT IS A COMBINATION OF REPORTS P933464 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-050U-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: -

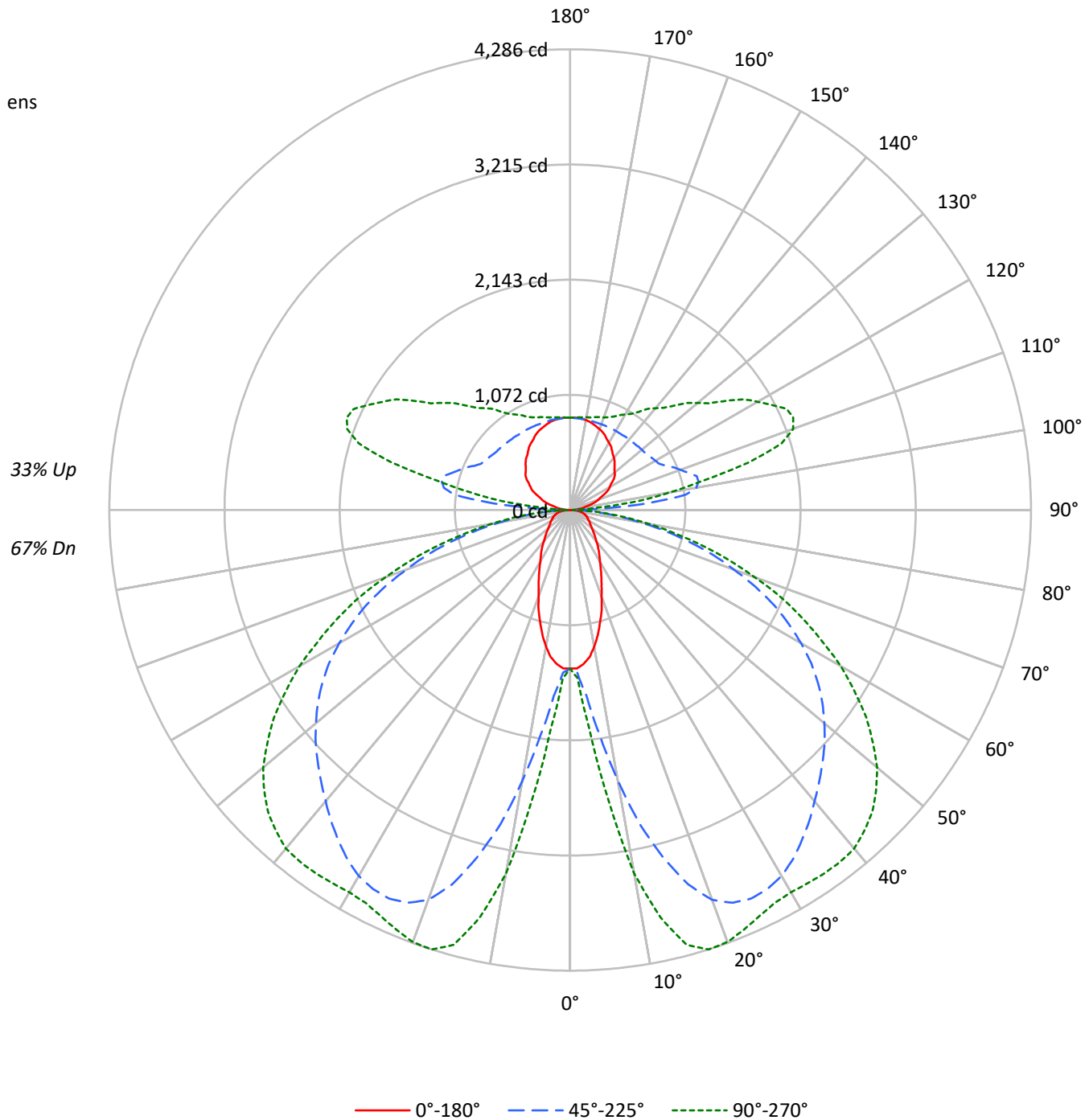
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16989.4 lumens
Efficiency: N/A
Efficacy: 101.1 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): 168
Input Voltage (V): NR
Input Current (A_{in}): 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: P936981
CATALOG NUMBER: SQ4-FB-050U-125D-B2750-1D-UNV-STD-W-12-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P936981

CATALOG NUMBER: SQ4-FB-050U-125D-B2750-1D-UNV-STD-W-12-5000K

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 | 111 | 111 | 111 | 111 | 105 | 105 | 105 | 105 | 93 | 93 | 93 | 82 | 82 | 82 | 72 | 72 | 72 | 67 |
| 1 | 101 | 96 | 92 | 88 | 95 | 91 | 87 | 83 | 80 | 78 | 75 | 71 | 69 | 67 | 62 | 61 | 59 | 55 |
| 2 | 91 | 83 | 76 | 71 | 86 | 78 | 72 | 67 | 70 | 65 | 61 | 61 | 58 | 55 | 54 | 51 | 49 | 45 |
| 3 | 83 | 72 | 64 | 58 | 77 | 68 | 61 | 55 | 61 | 55 | 50 | 54 | 49 | 45 | 47 | 44 | 41 | 37 |
| 4 | 75 | 64 | 55 | 48 | 70 | 60 | 52 | 46 | 53 | 47 | 42 | 47 | 42 | 38 | 42 | 38 | 34 | 31 |
| 5 | 69 | 56 | 47 | 41 | 64 | 53 | 45 | 39 | 47 | 41 | 36 | 42 | 37 | 32 | 37 | 33 | 29 | 26 |
| 6 | 63 | 50 | 41 | 35 | 59 | 47 | 39 | 34 | 42 | 36 | 31 | 38 | 32 | 28 | 33 | 29 | 25 | 23 |
| 7 | 58 | 45 | 36 | 30 | 55 | 43 | 35 | 29 | 38 | 32 | 27 | 34 | 29 | 24 | 30 | 26 | 22 | 20 |
| 8 | 54 | 41 | 32 | 27 | 51 | 39 | 31 | 26 | 35 | 28 | 24 | 31 | 26 | 22 | 27 | 23 | 20 | 17 |
| 9 | 50 | 37 | 29 | 24 | 47 | 35 | 28 | 23 | 32 | 25 | 21 | 28 | 23 | 19 | 25 | 21 | 17 | 15 |
| 10 | 47 | 34 | 26 | 21 | 44 | 32 | 25 | 20 | 29 | 23 | 19 | 26 | 21 | 17 | 23 | 19 | 16 | 14 |

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



TEST NUMBER: P936981

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 190.8 | 1.1 |
| 10°-20° | 845.4 | 5.0 |
| 20°-30° | 1478.8 | 8.7 |
| 30°-40° | 1903.6 | 11.2 |
| 40°-50° | 2126.3 | 12.5 |
| 50°-60° | 2036.5 | 12.0 |
| 60°-70° | 1613.9 | 9.5 |
| 70°-80° | 949.0 | 5.6 |
| 80°-90° | 266.9 | 1.6 |
| 90°-100° | 419.4 | 2.5 |
| 100°-110° | 1102.8 | 6.5 |
| 110°-120° | 1143.4 | 6.7 |
| 120°-130° | 917.2 | 5.4 |
| 130°-140° | 719.7 | 4.2 |
| 140°-150° | 552.4 | 3.3 |
| 150°-160° | 397.8 | 2.3 |
| 160°-170° | 243.4 | 1.4 |
| 170°-180° | 82.2 | 0.5 |
| 0°-30° | 2514.9 | 14.8 |
| 0°-40° | 4418.6 | 26.0 |
| 0°-60° | 8581.3 | 50.5 |
| 0°-90° | 11411.2 | 67.2 |
| 90°-120° | 2665.6 | 15.7 |
| 90°-150° | 4854.8 | 28.6 |
| 90°-180° | 5578.0 | 32.8 |
| 0°-180° | 16989.4 | 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° | 6 | 16 | 44 | 22 | 22 | 8 |
| 95° | 56 | 217 | 722 | 372 | 254 | 62 |
| 105° | 199 | 301 | 1219 | 1851 | 1727 | 211 |
| 115° | 353 | 428 | 977 | 1948 | 2224 | 348 |
| 125° | 491 | 550 | 888 | 1501 | 1771 | 436 |
| 135° | 585 | 644 | 860 | 1212 | 1374 | 453 |
| 145° | 679 | 722 | 850 | 1034 | 1115 | 425 |
| 155° | 767 | 788 | 850 | 933 | 960 | 352 |
| 165° | 828 | 838 | 850 | 883 | 894 | 234 |
| 175° | 860 | 860 | 855 | 866 | 866 | 82 |
| 180° | 860 | 860 | 860 | 860 | 860 | |



TEST NUMBER: P936981
 CATALOG NUMBER: SQ4-FB-050U-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° | 5.8 | 10.4 | 15.0 | 16.2 | 25.4 | 37.7 | 43.9 | 39.0 | 29.2 | 21.9 | 21.9 |
| 92.5° | 23.1 | 62.3 | 101.6 | 111.4 | 156.6 | 217.0 | 247.1 | 216.6 | 155.5 | 109.7 | 105.4 |
| 95° | 55.5 | 127.3 | 199.2 | 217.2 | 385.6 | 610.2 | 722.4 | 644.6 | 489.1 | 372.5 | 359.2 |
| 97.5° | 95.8 | 159.2 | 222.7 | 238.5 | 519.4 | 893.8 | 1081.1 | 1032.0 | 933.6 | 859.9 | 834.8 |
| 100° | 127.0 | 184.6 | 242.0 | 256.4 | 568.1 | 983.6 | 1191.4 | 1195.0 | 1202.2 | 1207.6 | 1177.6 |
| 102.5° | 153.6 | 207.3 | 260.9 | 274.3 | 590.4 | 1011.9 | 1222.6 | 1285.2 | 1410.4 | 1504.4 | 1478.7 |
| 105° | 198.7 | 244.1 | 289.4 | 300.8 | 606.9 | 1015.1 | 1219.2 | 1359.5 | 1640.3 | 1850.9 | 1837.1 |
| 107.5° | 244.9 | 287.2 | 329.6 | 340.2 | 610.1 | 970.0 | 1149.8 | 1345.7 | 1737.4 | 2031.2 | 2034.5 |
| 110° | 276.1 | 314.3 | 352.6 | 362.1 | 605.4 | 929.9 | 1092.1 | 1311.1 | 1748.9 | 2077.3 | 2091.7 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 112.5° | 306.6 | 343.1 | 379.5 | 388.6 | 605.6 | 894.9 | 1039.5 | 1263.6 | 1711.7 | 2047.9 | 2069.9 |
| 115° | 352.9 | 386.5 | 420.1 | 428.5 | 611.2 | 854.8 | 976.6 | 1192.4 | 1624.1 | 1948.0 | 1978.6 |
| 117.5° | 398.4 | 429.0 | 459.5 | 467.2 | 622.5 | 829.7 | 933.3 | 1128.1 | 1517.7 | 1809.9 | 1843.8 |
| 120° | 425.1 | 453.8 | 482.5 | 489.7 | 631.8 | 821.3 | 916.0 | 1094.0 | 1449.9 | 1717.0 | 1749.9 |
| 122.5° | 451.0 | 480.1 | 509.0 | 516.3 | 645.1 | 816.8 | 902.6 | 1062.9 | 1383.5 | 1623.9 | 1656.4 |
| 125° | 490.9 | 517.3 | 543.8 | 550.4 | 663.0 | 813.1 | 888.2 | 1024.4 | 1296.7 | 1500.9 | 1530.9 |
| 127.5° | 523.2 | 549.9 | 576.7 | 583.3 | 680.9 | 811.0 | 876.1 | 993.0 | 1226.8 | 1402.2 | 1427.5 |
| 130° | 540.6 | 569.4 | 598.0 | 605.2 | 694.0 | 812.3 | 871.5 | 975.6 | 1183.8 | 1339.8 | 1363.2 |
| 132.5° | 558.4 | 587.2 | 616.0 | 623.2 | 704.6 | 813.1 | 867.4 | 960.6 | 1147.0 | 1286.7 | 1307.6 |
| 135° | 585.1 | 611.2 | 637.4 | 643.9 | 716.1 | 812.4 | 860.5 | 938.6 | 1094.6 | 1211.7 | 1229.7 |
| 137.5° | 612.1 | 638.1 | 664.1 | 670.5 | 733.5 | 817.4 | 859.4 | 925.3 | 1057.3 | 1156.2 | 1171.0 |
| 140° | 634.7 | 658.6 | 682.4 | 688.4 | 744.0 | 818.2 | 855.3 | 912.2 | 1026.3 | 1111.7 | 1125.6 |
| 142.5° | 652.0 | 674.1 | 696.2 | 701.7 | 752.9 | 821.2 | 855.3 | 905.3 | 1005.5 | 1080.5 | 1092.4 |
| 145° | 678.6 | 697.8 | 717.0 | 721.9 | 764.5 | 821.2 | 849.6 | 890.5 | 972.4 | 1033.8 | 1042.7 |
| 147.5° | 705.2 | 723.8 | 742.6 | 747.3 | 781.4 | 826.9 | 849.6 | 881.8 | 946.2 | 994.5 | 1002.0 |
| 150° | 722.4 | 739.4 | 756.4 | 760.6 | 790.3 | 829.8 | 849.6 | 876.7 | 931.1 | 971.9 | 978.0 |
| 152.5° | 740.4 | 753.2 | 766.1 | 769.2 | 796.0 | 831.7 | 849.6 | 872.8 | 919.2 | 954.1 | 958.7 |
| 155° | 766.9 | 776.4 | 786.0 | 788.3 | 808.8 | 835.9 | 849.6 | 868.1 | 905.0 | 932.7 | 935.7 |
| 157.5° | 786.6 | 795.9 | 805.0 | 807.3 | 821.5 | 840.2 | 849.6 | 864.0 | 892.6 | 914.2 | 916.3 |
| 160° | 799.9 | 807.1 | 814.3 | 816.0 | 827.2 | 842.1 | 849.6 | 861.9 | 886.5 | 905.0 | 906.2 |
| 162.5° | 813.1 | 818.6 | 824.0 | 825.3 | 833.4 | 844.1 | 849.6 | 859.9 | 880.7 | 896.3 | 897.4 |
| 165° | 827.6 | 832.5 | 837.3 | 838.5 | 842.2 | 847.1 | 849.6 | 857.0 | 871.9 | 883.0 | 884.2 |
| 167.5° | 840.9 | 843.1 | 845.5 | 846.0 | 849.1 | 853.2 | 855.3 | 860.1 | 869.9 | 877.2 | 877.8 |
| 170° | 849.6 | 851.8 | 854.1 | 854.7 | 854.9 | 855.2 | 855.3 | 860.1 | 869.9 | 877.2 | 877.2 |
| 172.5° | 854.1 | 854.6 | 855.2 | 855.3 | 855.3 | 855.3 | 855.3 | 859.1 | 866.8 | 872.6 | 872.2 |
| 175° | 860.5 | 860.5 | 860.5 | 860.5 | 858.7 | 856.4 | 855.3 | 857.7 | 862.6 | 866.3 | 866.3 |
| 177.5° | 860.5 | 860.5 | 860.5 | 860.5 | 859.2 | 857.4 | 856.5 | 858.4 | 862.3 | 865.2 | 864.6 |
| 180° | 860.5 | 860.5 | 860.5 | 860.5 | 860.5 | 860.5 | 860.5 | 860.5 | 860.5 | 860.5 | 860.5 |



TEST NUMBER: P936981

CATALOG NUMBER: SQ4-FB-050U-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° | 21.9 | 21.9 |
| 92.5° | 87.9 | 70.4 |
| 95° | 306.4 | 253.5 |
| 97.5° | 734.1 | 633.5 |
| 100° | 1057.8 | 937.9 |
| 102.5° | 1376.1 | 1273.4 |
| 105° | 1782.0 | 1726.8 |
| 107.5° | 2047.8 | 2061.2 |
| 110° | 2149.1 | 2206.7 |



TEST NUMBER: P936981

CATALOG NUMBER: SQ4-FB-050U-125D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 2158.3 | 2246.6 |
| 115° | 2101.0 | 2223.5 |
| 117.5° | 1979.6 | 2115.4 |
| 120° | 1881.9 | 2013.8 |
| 122.5° | 1786.6 | 1916.8 |
| 125° | 1650.8 | 1770.7 |
| 127.5° | 1528.6 | 1629.7 |
| 130° | 1456.7 | 1550.1 |
| 132.5° | 1391.3 | 1475.0 |
| 135° | 1301.8 | 1373.9 |
| 137.5° | 1230.0 | 1289.0 |
| 140° | 1180.7 | 1235.9 |
| 142.5° | 1139.9 | 1187.4 |
| 145° | 1078.7 | 1114.6 |
| 147.5° | 1031.7 | 1061.5 |
| 150° | 1002.1 | 1026.3 |
| 152.5° | 976.9 | 995.1 |
| 155° | 947.8 | 959.9 |
| 157.5° | 924.8 | 933.3 |
| 160° | 911.1 | 916.0 |
| 162.5° | 902.1 | 906.7 |
| 165° | 889.2 | 894.0 |
| 167.5° | 879.8 | 881.9 |
| 170° | 877.2 | 877.2 |
| 172.5° | 870.4 | 868.6 |
| 175° | 866.3 | 866.3 |
| 177.5° | 862.5 | 860.5 |
| 180° | 860.5 | 860.5 |



TEST NUMBER: P936981
 CATALOG NUMBER: SQ4-FB-050U-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 | 7.71 | 8.81 | 8.50 | 9.62 | 10.62 | 20.90 | 22.00 | 21.69 | 22.81 | 23.81 |
| | 3H | 8.43 | 9.42 | 9.23 | 10.25 | 11.27 | 22.76 | 23.75 | 23.56 | 24.58 | 25.60 |
| | 4H | 8.74 | 9.68 | 9.56 | 10.51 | 11.55 | 23.42 | 24.36 | 24.24 | 25.19 | 26.23 |
| | 6H | 9.00 | 9.87 | 9.83 | 10.71 | 11.76 | 23.87 | 24.74 | 24.70 | 25.58 | 26.63 |
| | 8H | 9.08 | 9.90 | 9.92 | 10.76 | 11.82 | 24.00 | 24.83 | 24.84 | 25.69 | 26.74 |
| | 12H | 9.10 | 9.89 | 9.95 | 10.74 | 11.83 | 24.08 | 24.87 | 24.92 | 25.72 | 26.80 |
| 4H | 2H | 14.96 | 15.90 | 15.78 | 16.73 | 17.77 | 21.20 | 22.14 | 22.02 | 22.97 | 24.01 |
| | 3H | 16.55 | 17.33 | 17.38 | 18.20 | 19.26 | 23.28 | 24.06 | 24.11 | 24.93 | 25.98 |
| | 4H | 16.65 | 17.37 | 17.50 | 18.23 | 19.32 | 24.06 | 24.77 | 24.90 | 25.64 | 26.72 |
| | 6H | 16.68 | 17.30 | 17.54 | 18.19 | 19.27 | 24.61 | 25.24 | 25.48 | 26.12 | 27.21 |
| | 8H | 16.66 | 17.24 | 17.53 | 18.13 | 19.23 | 24.79 | 25.37 | 25.65 | 26.25 | 27.35 |
| | 12H | 16.63 | 17.16 | 17.52 | 18.06 | 19.16 | 24.89 | 25.42 | 25.78 | 26.32 | 27.43 |
| 8H | 4H | 18.12 | 18.70 | 18.99 | 19.59 | 20.69 | 24.14 | 24.72 | 25.00 | 25.60 | 26.70 |
| | 6H | 18.38 | 18.86 | 19.27 | 19.78 | 20.88 | 24.78 | 25.26 | 25.68 | 26.19 | 27.29 |
| | 8H | 18.40 | 18.83 | 19.30 | 19.74 | 20.86 | 25.01 | 25.44 | 25.91 | 26.35 | 27.47 |
| | 12H | 18.38 | 18.76 | 19.29 | 19.67 | 20.83 | 25.17 | 25.55 | 26.08 | 26.46 | 27.62 |
| 12H | 4H | 18.28 | 18.80 | 19.17 | 19.71 | 20.81 | 24.10 | 24.63 | 24.99 | 25.53 | 26.63 |
| | 6H | 18.64 | 19.07 | 19.54 | 19.99 | 21.10 | 24.77 | 25.20 | 25.67 | 26.11 | 27.23 |
| | 8H | 18.72 | 19.10 | 19.63 | 20.01 | 21.18 | 25.01 | 25.39 | 25.92 | 26.30 | 27.47 |