

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: P937760

Luminaire Tested: SQ4-FB-100U-125D-93050-1D-UNV-STD-W-4-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P937760
REPORT IS A COMBINATION OF REPORTS P933568 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-4-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

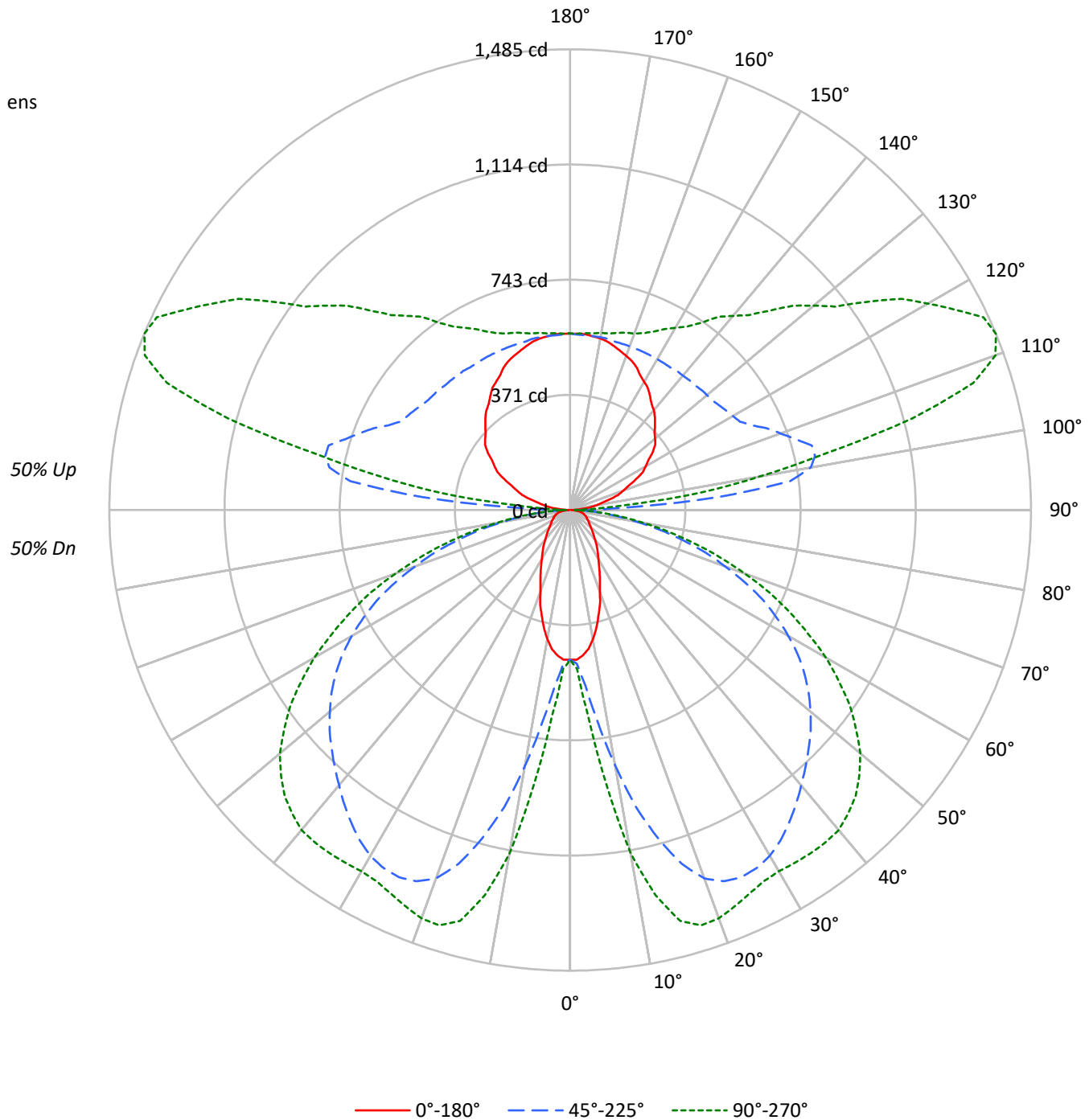
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7425.1 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 68.8
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: P937760
CATALOG NUMBER: SQ4-FB-100U-125D-93050-1D-UNV-STD-W-4-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P937760

CATALOG NUMBER: SQ4-FB-100U-125D-93050-1D-UNV-STD-W-4-5000K

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 | 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° | 4481 | 4481 | 4481 |
| 5° | 4373 | 5175 | 6024 |
| 10° | 3962 | 7538 | 9986 |
| 15° | 3364 | 9842 | 12058 |
| 20° | 2735 | 11397 | 12289 |
| 25° | 2279 | 11918 | 12040 |
| 30° | 1919 | 11984 | 12017 |
| 35° | 1694 | 11775 | 12327 |
| 40° | 1475 | 11507 | 12648 |
| 45° | 1333 | 11308 | 12698 |
| 50° | 1220 | 11126 | 12487 |
| 55° | 1164 | 10865 | 11934 |
| 60° | 1188 | 10374 | 11060 |
| 65° | 1230 | 9633 | 9859 |
| 70° | 1300 | 8385 | 8330 |
| 75° | 1426 | 6819 | 6500 |
| 80° | 1526 | 4713 | 4381 |
| 85° | 1283 | 2485 | 2243 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 12698 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 62.5 | 0.8 |
| 10°-20° | 276.9 | 3.7 |
| 20°-30° | 484.3 | 6.5 |
| 30°-40° | 623.4 | 8.4 |
| 40°-50° | 696.3 | 9.4 |
| 50°-60° | 666.9 | 9.0 |
| 60°-70° | 528.5 | 7.1 |
| 70°-80° | 310.8 | 4.2 |
| 80°-90° | 88.5 | 1.2 |
| 90°-100° | 277.2 | 3.7 |
| 100°-110° | 728.9 | 9.8 |
| 110°-120° | 755.8 | 10.2 |
| 120°-130° | 606.2 | 8.2 |
| 130°-140° | 475.7 | 6.4 |
| 140°-150° | 365.1 | 4.9 |
| 150°-160° | 262.9 | 3.5 |
| 160°-170° | 160.9 | 2.2 |
| 170°-180° | 54.4 | 0.7 |
| 0°-30° | 823.6 | 11.1 |
| 0°-40° | 1447.0 | 19.5 |
| 0°-60° | 2810.3 | 37.8 |
| 0°-90° | 3738.1 | 50.3 |
| 90°-120° | 1761.9 | 23.7 |
| 90°-150° | 3208.8 | 43.2 |
| 90°-180° | 3687.0 | 49.7 |
| 0°-180° | 7425.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|------|-------|------|------|
| 0° | 483 | 483 | 483 | 483 | 483 | |
| 5° | 470 | 505 | 568 | 643 | 666 | 43 |
| 15° | 352 | 651 | 1096 | 1329 | 1371 | 98 |
| 25° | 225 | 738 | 1306 | 1363 | 1365 | 104 |
| 35° | 152 | 705 | 1230 | 1300 | 1351 | 95 |
| 45° | 104 | 562 | 1087 | 1245 | 1301 | 80 |
| 55° | 74 | 357 | 922 | 1071 | 1101 | 68 |
| 65° | 59 | 189 | 685 | 770 | 781 | 58 |
| 75° | 44 | 116 | 376 | 413 | 415 | 46 |
| 85° | 16 | 36 | 93 | 102 | 104 | 16 |
| 90° | 4 | 11 | 29 | 14 | 14 | 4 |
| 95° | 37 | 144 | 478 | 246 | 168 | 41 |
| 105° | 131 | 199 | 806 | 1223 | 1141 | 139 |
| 115° | 233 | 283 | 646 | 1288 | 1470 | 230 |
| 125° | 324 | 364 | 587 | 992 | 1170 | 288 |
| 135° | 387 | 426 | 569 | 801 | 908 | 299 |
| 145° | 448 | 477 | 562 | 683 | 737 | 281 |
| 155° | 507 | 521 | 562 | 616 | 634 | 233 |
| 165° | 547 | 554 | 562 | 584 | 591 | 154 |
| 175° | 569 | 569 | 565 | 572 | 572 | 54 |
| 180° | 569 | 569 | 569 | 569 | 569 | |



TEST NUMBER: P937760

CATALOG NUMBER: SQ4-FB-100U-125D-93050-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 482.9 | 482.9 | 482.9 | 482.9 | 482.9 | 482.9 | 482.9 | 482.9 | 482.9 | 482.9 | 482.9 |
| 2.5° | 482.9 | 482.9 | 486.0 | 487.6 | 490.7 | 492.3 | 495.4 | 498.5 | 507.8 | 509.3 | 512.4 |
| 5° | 470.5 | 476.7 | 496.9 | 504.6 | 526.4 | 555.9 | 568.3 | 588.5 | 630.5 | 642.8 | 650.6 |
| 7.5° | 451.9 | 465.8 | 515.6 | 527.9 | 582.3 | 659.9 | 692.6 | 736.1 | 802.8 | 835.4 | 861.8 |
| 10° | 422.3 | 451.9 | 540.3 | 569.9 | 658.4 | 776.4 | 836.9 | 897.5 | 998.5 | 1043.5 | 1060.6 |
| 12.5° | 389.7 | 437.9 | 566.8 | 607.1 | 734.5 | 906.9 | 979.8 | 1046.6 | 1161.5 | 1222.1 | 1231.4 |
| 15° | 352.5 | 417.7 | 591.6 | 650.6 | 815.2 | 1015.5 | 1096.3 | 1178.6 | 1285.8 | 1329.2 | 1340.1 |
| 17.5° | 319.9 | 402.2 | 614.9 | 677.1 | 877.3 | 1113.3 | 1195.7 | 1264.0 | 1350.9 | 1380.5 | 1388.2 |
| 20° | 279.5 | 377.4 | 630.5 | 711.2 | 942.6 | 1184.8 | 1264.0 | 1316.8 | 1375.8 | 1394.4 | 1397.6 |
| 22.5° | 250.0 | 350.9 | 639.7 | 723.6 | 986.1 | 1228.2 | 1295.1 | 1337.0 | 1377.4 | 1383.6 | 1385.1 |
| 25° | 225.2 | 321.5 | 638.3 | 737.6 | 1023.3 | 1254.7 | 1306.0 | 1337.0 | 1360.3 | 1363.4 | 1363.4 |
| 27.5° | 201.9 | 288.8 | 632.0 | 740.7 | 1051.2 | 1260.9 | 1301.3 | 1323.0 | 1333.9 | 1340.1 | 1340.1 |
| 30° | 181.7 | 257.8 | 616.5 | 734.5 | 1063.7 | 1254.7 | 1287.3 | 1298.2 | 1309.0 | 1318.4 | 1323.0 |
| 32.5° | 166.2 | 228.2 | 593.2 | 722.0 | 1065.3 | 1239.2 | 1262.5 | 1268.6 | 1284.2 | 1306.0 | 1313.7 |
| 35° | 152.2 | 198.8 | 566.8 | 705.0 | 1055.9 | 1214.3 | 1229.8 | 1236.0 | 1267.1 | 1299.7 | 1310.6 |
| 37.5° | 138.2 | 177.0 | 532.6 | 675.5 | 1042.0 | 1184.8 | 1195.7 | 1206.6 | 1254.7 | 1293.5 | 1306.0 |
| 40° | 124.3 | 158.4 | 492.3 | 642.8 | 1020.2 | 1149.0 | 1158.4 | 1175.5 | 1239.2 | 1284.2 | 1296.6 |
| 42.5° | 113.3 | 142.9 | 448.8 | 608.7 | 992.2 | 1108.8 | 1122.7 | 1147.6 | 1220.5 | 1268.6 | 1282.7 |
| 45° | 104.1 | 127.4 | 402.2 | 562.1 | 956.5 | 1066.8 | 1087.0 | 1121.1 | 1198.8 | 1245.4 | 1257.8 |
| 47.5° | 94.7 | 116.5 | 354.0 | 514.0 | 917.7 | 1024.9 | 1051.2 | 1090.1 | 1169.2 | 1214.3 | 1225.2 |
| 50° | 87.0 | 105.6 | 305.9 | 462.7 | 875.8 | 979.8 | 1010.9 | 1051.2 | 1132.0 | 1173.9 | 1188.0 |
| 52.5° | 80.8 | 96.3 | 260.9 | 411.5 | 827.7 | 933.2 | 969.0 | 1010.9 | 1087.0 | 1127.4 | 1136.7 |
| 55° | 74.5 | 88.5 | 222.1 | 357.2 | 777.9 | 883.6 | 922.4 | 962.8 | 1037.3 | 1071.4 | 1077.6 |
| 57.5° | 71.4 | 82.3 | 189.4 | 305.9 | 725.2 | 827.7 | 871.2 | 908.4 | 978.3 | 1004.7 | 1010.9 |
| 60° | 66.8 | 77.6 | 164.6 | 262.5 | 667.7 | 774.9 | 812.2 | 849.4 | 908.4 | 930.2 | 934.8 |
| 62.5° | 62.1 | 74.5 | 146.0 | 220.5 | 608.7 | 712.8 | 750.0 | 784.2 | 833.9 | 849.4 | 855.6 |
| 65° | 59.0 | 71.4 | 132.0 | 189.4 | 548.1 | 647.5 | 684.8 | 714.3 | 754.7 | 770.2 | 773.3 |
| 67.5° | 55.9 | 68.4 | 121.1 | 163.1 | 487.6 | 582.3 | 610.3 | 638.3 | 669.3 | 684.8 | 686.3 |
| 70° | 51.2 | 65.2 | 111.8 | 144.4 | 425.4 | 507.8 | 531.1 | 560.5 | 585.4 | 593.2 | 597.9 |
| 72.5° | 48.2 | 60.6 | 105.6 | 130.4 | 361.8 | 436.4 | 458.1 | 475.2 | 496.9 | 504.6 | 504.6 |
| 75° | 43.5 | 54.3 | 99.4 | 116.5 | 296.6 | 357.2 | 375.8 | 392.9 | 409.9 | 413.1 | 408.4 |
| 77.5° | 38.8 | 48.2 | 85.4 | 97.8 | 231.4 | 282.7 | 298.2 | 307.4 | 321.5 | 324.5 | 326.1 |
| 80° | 32.6 | 41.9 | 66.8 | 76.1 | 167.7 | 208.0 | 219.0 | 226.7 | 239.2 | 239.2 | 242.3 |
| 82.5° | 24.9 | 32.6 | 48.2 | 54.3 | 113.3 | 142.9 | 152.2 | 156.8 | 164.6 | 164.6 | 164.6 |
| 85° | 15.5 | 20.2 | 31.0 | 35.7 | 68.4 | 87.0 | 93.1 | 94.7 | 100.9 | 102.5 | 102.5 |
| 87.5° | 7.8 | 10.8 | 20.2 | 21.7 | 35.7 | 45.1 | 45.1 | 48.2 | 48.2 | 46.6 | 45.1 |
| 90° | 3.9 | 6.9 | 9.9 | 10.6 | 16.8 | 25.0 | 29.0 | 25.8 | 19.4 | 14.5 | 14.5 |
| 92.5° | 15.2 | 41.2 | 67.2 | 73.7 | 103.6 | 143.4 | 163.3 | 143.2 | 102.8 | 72.5 | 69.7 |
| 95° | 36.6 | 84.2 | 131.7 | 143.5 | 254.8 | 403.2 | 477.5 | 426.1 | 323.3 | 246.2 | 237.5 |
| 97.5° | 63.3 | 105.3 | 147.2 | 157.7 | 343.3 | 590.8 | 714.5 | 682.0 | 617.1 | 568.3 | 551.7 |
| 100° | 84.0 | 122.0 | 160.0 | 169.5 | 375.5 | 650.2 | 787.5 | 789.9 | 794.5 | 798.1 | 778.3 |
| 102.5° | 101.5 | 137.0 | 172.4 | 181.3 | 390.3 | 668.8 | 808.1 | 849.5 | 932.3 | 994.3 | 977.3 |
| 105° | 131.3 | 161.3 | 191.3 | 198.9 | 401.2 | 670.9 | 805.8 | 898.6 | 1084.2 | 1223.4 | 1214.3 |
| 107.5° | 161.9 | 189.9 | 217.9 | 224.8 | 403.2 | 641.0 | 759.9 | 889.4 | 1148.3 | 1342.5 | 1344.7 |
| 110° | 182.4 | 207.8 | 233.0 | 239.3 | 400.1 | 614.6 | 721.8 | 866.5 | 1155.9 | 1373.0 | 1382.5 |



TEST NUMBER: P937760

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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 112.5° | 202.7 | 226.8 | 250.8 | 256.9 | 400.3 | 591.5 | 687.1 | 835.2 | 1131.3 | 1353.5 | 1368.1 |
| 115° | 233.2 | 255.4 | 277.6 | 283.2 | 404.0 | 565.0 | 645.5 | 788.2 | 1073.5 | 1287.5 | 1307.7 |
| 117.5° | 263.4 | 283.6 | 303.8 | 308.8 | 411.5 | 548.4 | 616.9 | 745.6 | 1003.1 | 1196.3 | 1218.7 |
| 120° | 280.9 | 299.9 | 318.9 | 323.7 | 417.6 | 542.8 | 605.4 | 723.1 | 958.3 | 1134.8 | 1156.7 |
| 122.5° | 298.2 | 317.3 | 336.5 | 341.3 | 426.4 | 539.9 | 596.6 | 702.5 | 914.4 | 1073.3 | 1094.8 |
| 125° | 324.5 | 341.9 | 359.4 | 363.8 | 438.2 | 537.4 | 587.0 | 677.1 | 857.0 | 992.0 | 1011.9 |
| 127.5° | 345.8 | 363.4 | 381.1 | 385.5 | 450.0 | 536.0 | 579.1 | 656.3 | 810.9 | 926.8 | 943.5 |
| 130° | 357.3 | 376.3 | 395.3 | 400.0 | 458.7 | 536.9 | 576.0 | 644.9 | 782.4 | 885.6 | 901.0 |
| 132.5° | 369.1 | 388.1 | 407.1 | 411.9 | 465.6 | 537.4 | 573.3 | 634.9 | 758.0 | 850.4 | 864.3 |
| 135° | 386.7 | 404.0 | 421.3 | 425.6 | 473.3 | 536.9 | 568.8 | 620.4 | 723.4 | 800.8 | 812.7 |
| 137.5° | 404.6 | 421.8 | 438.8 | 443.2 | 484.7 | 540.2 | 568.0 | 611.6 | 698.7 | 764.2 | 773.9 |
| 140° | 419.5 | 435.3 | 451.0 | 455.0 | 491.8 | 540.8 | 565.3 | 602.9 | 678.3 | 734.8 | 743.9 |
| 142.5° | 430.9 | 445.5 | 460.1 | 463.8 | 497.7 | 542.7 | 565.3 | 598.3 | 664.5 | 714.2 | 722.0 |
| 145° | 448.5 | 461.2 | 473.9 | 477.1 | 505.3 | 542.8 | 561.5 | 588.6 | 642.7 | 683.2 | 689.2 |
| 147.5° | 466.1 | 478.5 | 490.8 | 493.9 | 516.5 | 546.5 | 561.5 | 582.8 | 625.4 | 657.3 | 662.3 |
| 150° | 477.5 | 488.7 | 499.9 | 502.7 | 522.4 | 548.5 | 561.5 | 579.5 | 615.4 | 642.4 | 646.3 |
| 152.5° | 489.3 | 497.8 | 506.3 | 508.4 | 526.1 | 549.7 | 561.5 | 576.9 | 607.5 | 630.5 | 633.6 |
| 155° | 506.9 | 513.2 | 519.5 | 521.1 | 534.6 | 552.5 | 561.5 | 573.7 | 598.2 | 616.4 | 618.4 |
| 157.5° | 519.9 | 526.0 | 532.1 | 533.6 | 542.9 | 555.3 | 561.5 | 571.0 | 590.0 | 604.2 | 605.6 |
| 160° | 528.7 | 533.5 | 538.1 | 539.3 | 546.8 | 556.6 | 561.5 | 569.7 | 585.9 | 598.2 | 599.0 |
| 162.5° | 537.4 | 541.0 | 544.6 | 545.5 | 550.8 | 558.0 | 561.5 | 568.4 | 582.1 | 592.4 | 593.1 |
| 165° | 546.9 | 550.2 | 553.4 | 554.2 | 556.7 | 559.9 | 561.5 | 566.5 | 576.3 | 583.7 | 584.5 |
| 167.5° | 555.8 | 557.3 | 558.9 | 559.2 | 561.3 | 563.9 | 565.3 | 568.5 | 574.9 | 579.8 | 580.2 |
| 170° | 561.5 | 563.0 | 564.6 | 564.9 | 565.0 | 565.2 | 565.3 | 568.5 | 574.9 | 579.8 | 579.8 |
| 172.5° | 564.6 | 564.9 | 565.2 | 565.3 | 565.3 | 565.3 | 565.3 | 567.9 | 572.9 | 576.8 | 576.5 |
| 175° | 568.8 | 568.8 | 568.8 | 568.8 | 567.6 | 566.0 | 565.3 | 567.0 | 570.2 | 572.5 | 572.5 |
| 177.5° | 568.8 | 568.8 | 568.8 | 568.8 | 567.9 | 566.7 | 566.0 | 567.3 | 569.9 | 571.8 | 571.4 |
| 180° | 568.8 | 568.8 | 568.8 | 568.8 | 568.8 | 568.8 | 568.8 | 568.8 | 568.8 | 568.8 | 568.8 |



TEST NUMBER: P937760

CATALOG NUMBER: SQ4-FB-100U-125D-93050-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 482.9 | 482.9 |
| 2.5° | 515.6 | 512.4 |
| 5° | 663.0 | 666.2 |
| 7.5° | 892.9 | 891.4 |
| 10° | 1110.2 | 1124.3 |
| 12.5° | 1268.6 | 1271.7 |
| 15° | 1365.0 | 1371.1 |
| 17.5° | 1402.2 | 1403.8 |
| 20° | 1403.8 | 1400.7 |
| 22.5° | 1386.6 | 1383.6 |
| 25° | 1366.4 | 1365.0 |
| 27.5° | 1347.8 | 1349.4 |
| 30° | 1340.1 | 1344.8 |
| 32.5° | 1340.1 | 1347.8 |
| 35° | 1343.2 | 1350.9 |
| 37.5° | 1341.7 | 1350.9 |
| 40° | 1335.4 | 1346.3 |
| 42.5° | 1318.4 | 1326.1 |
| 45° | 1291.9 | 1301.3 |
| 47.5° | 1257.8 | 1264.0 |
| 50° | 1214.3 | 1220.5 |
| 52.5° | 1160.0 | 1161.5 |
| 55° | 1094.7 | 1101.0 |
| 57.5° | 1024.9 | 1026.4 |
| 60° | 947.2 | 951.9 |
| 62.5° | 864.9 | 864.9 |
| 65° | 777.9 | 781.1 |
| 67.5° | 687.9 | 695.7 |
| 70° | 596.3 | 597.9 |
| 72.5° | 506.2 | 506.2 |
| 75° | 413.1 | 414.6 |
| 77.5° | 324.5 | 324.5 |
| 80° | 240.7 | 242.3 |
| 82.5° | 166.2 | 169.2 |
| 85° | 104.1 | 104.1 |
| 87.5° | 48.2 | 43.5 |
| 90° | 14.5 | 14.5 |
| 92.5° | 58.1 | 46.5 |
| 95° | 202.5 | 167.6 |
| 97.5° | 485.2 | 418.7 |
| 100° | 699.1 | 619.9 |
| 102.5° | 909.5 | 841.7 |
| 105° | 1177.8 | 1141.3 |
| 107.5° | 1353.5 | 1362.3 |
| 110° | 1420.5 | 1458.5 |



TEST NUMBER: P937760

CATALOG NUMBER: SQ4-FB-100U-125D-93050-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 1426.5 | 1484.8 |
| 115° | 1388.7 | 1469.6 |
| 117.5° | 1308.4 | 1398.2 |
| 120° | 1243.8 | 1331.0 |
| 122.5° | 1180.9 | 1266.9 |
| 125° | 1091.0 | 1170.3 |
| 127.5° | 1010.4 | 1077.2 |
| 130° | 962.8 | 1024.5 |
| 132.5° | 919.5 | 974.9 |
| 135° | 860.3 | 908.1 |
| 137.5° | 813.0 | 852.0 |
| 140° | 780.4 | 816.8 |
| 142.5° | 753.4 | 784.8 |
| 145° | 713.0 | 736.7 |
| 147.5° | 681.9 | 701.6 |
| 150° | 662.3 | 678.3 |
| 152.5° | 645.6 | 657.7 |
| 155° | 626.4 | 634.4 |
| 157.5° | 611.3 | 616.9 |
| 160° | 602.2 | 605.4 |
| 162.5° | 596.2 | 599.3 |
| 165° | 587.7 | 590.9 |
| 167.5° | 581.5 | 582.8 |
| 170° | 579.8 | 579.8 |
| 172.5° | 575.3 | 574.1 |
| 175° | 572.5 | 572.5 |
| 177.5° | 570.2 | 568.8 |
| 180° | 568.8 | 568.8 |



TEST NUMBER: P937760

CATALOG NUMBER: SQ4-FB-100U-125D-93050-1D-UNV-STD-W-4-5000K

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 | 6.23 | 7.14 | 7.18 | 8.10 | 9.37 | 19.37 | 20.28 | 20.32 | 21.24 | 22.51 |
| | 3H | 6.94 | 7.75 | 7.90 | 8.73 | 10.02 | 21.20 | 22.01 | 22.16 | 22.99 | 24.27 |
| | 4H | 7.24 | 8.01 | 8.21 | 8.99 | 10.29 | 21.84 | 22.61 | 22.81 | 23.59 | 24.88 |
| | 6H | 7.50 | 8.21 | 8.48 | 9.19 | 10.50 | 22.26 | 22.97 | 23.24 | 23.95 | 25.26 |
| | 8H | 7.57 | 8.24 | 8.56 | 9.25 | 10.55 | 22.37 | 23.05 | 23.36 | 24.05 | 25.36 |
| | 12H | 7.59 | 8.23 | 8.58 | 9.23 | 10.56 | 22.44 | 23.08 | 23.43 | 24.08 | 25.41 |
| 4H | 2H | 13.43 | 14.20 | 14.41 | 15.18 | 16.47 | 19.65 | 20.42 | 20.63 | 21.40 | 22.70 |
| | 3H | 15.00 | 15.65 | 15.99 | 16.66 | 17.97 | 21.69 | 22.33 | 22.68 | 23.34 | 24.65 |
| | 4H | 15.10 | 15.69 | 16.10 | 16.69 | 18.03 | 22.45 | 23.04 | 23.44 | 24.04 | 25.37 |
| | 6H | 15.11 | 15.62 | 16.12 | 16.65 | 17.98 | 22.98 | 23.49 | 23.98 | 24.51 | 25.84 |
| | 8H | 15.09 | 15.57 | 16.10 | 16.59 | 17.93 | 23.13 | 23.61 | 24.14 | 24.63 | 25.97 |
| | 12H | 15.05 | 15.48 | 16.08 | 16.52 | 17.87 | 23.22 | 23.65 | 24.25 | 24.69 | 26.04 |
| 8H | 4H | 16.54 | 17.01 | 17.55 | 18.04 | 19.38 | 22.51 | 22.99 | 23.52 | 24.01 | 25.35 |
| | 6H | 16.78 | 17.18 | 17.82 | 18.24 | 19.58 | 23.13 | 23.53 | 24.16 | 24.59 | 25.93 |
| | 8H | 16.80 | 17.15 | 17.84 | 18.20 | 19.56 | 23.34 | 23.69 | 24.39 | 24.74 | 26.10 |
| | 12H | 16.77 | 17.08 | 17.82 | 18.12 | 19.52 | 23.48 | 23.79 | 24.53 | 24.83 | 26.23 |
| 12H | 4H | 16.68 | 17.11 | 17.71 | 18.15 | 19.50 | 22.47 | 22.90 | 23.50 | 23.93 | 25.28 |
| | 6H | 17.04 | 17.39 | 18.08 | 18.43 | 19.80 | 23.11 | 23.46 | 24.16 | 24.51 | 25.87 |
| | 8H | 17.11 | 17.42 | 18.16 | 18.46 | 19.86 | 23.34 | 23.65 | 24.39 | 24.69 | 26.09 |