

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: P937782

Luminaire Tested: SQ4-FB-100U-125D-B2750-1D-UNV-STD-W-4-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P937782
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-B2750-1D-UNV-STD-W-4-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

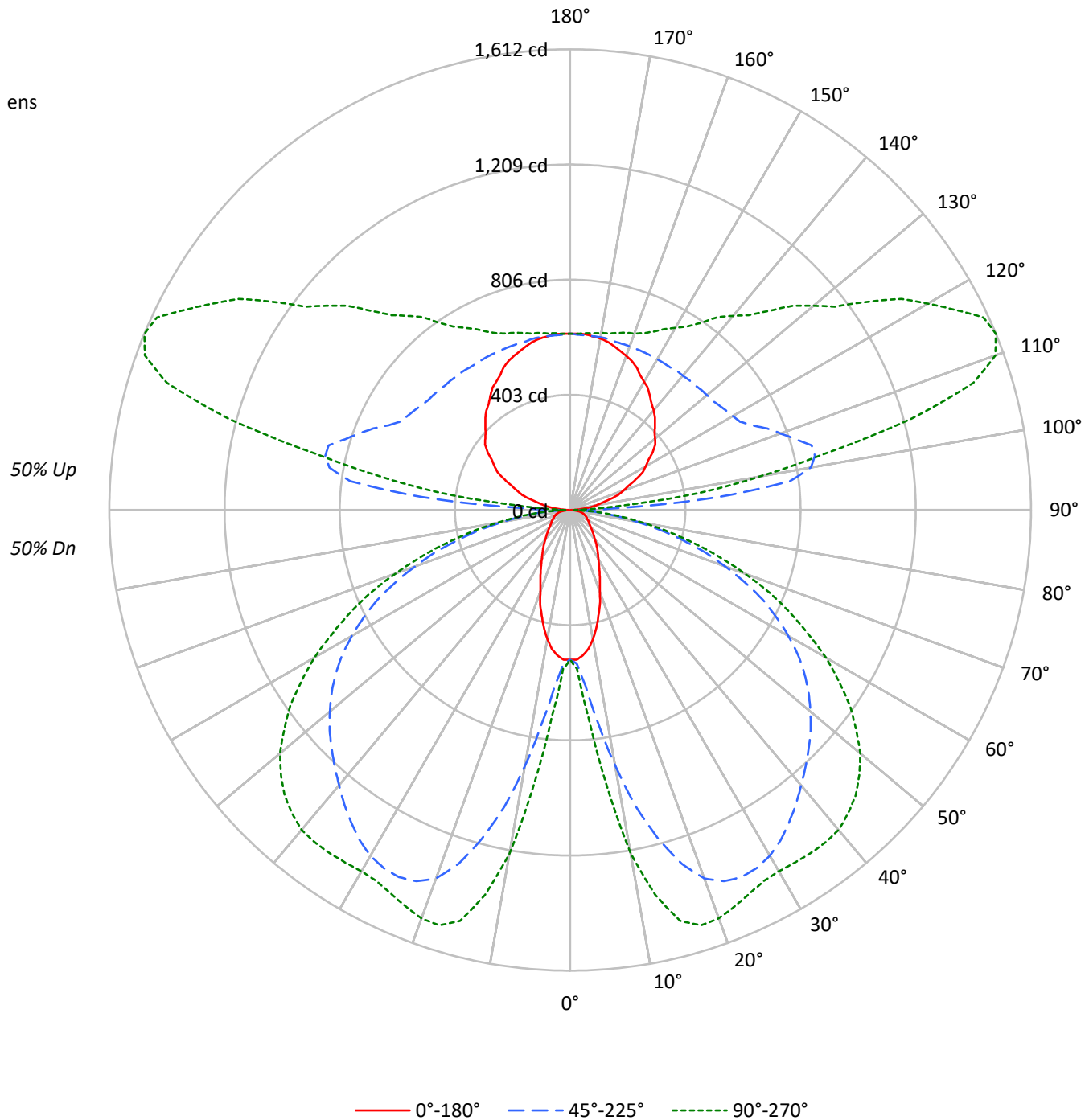
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8058.6 lumens
Efficiency: N/A
Efficacy: 117.1 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 (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: P937782
CATALOG NUMBER: SQ4-FB-100U-125D-B2750-1D-UNV-STD-W-4-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P937782

CATALOG NUMBER: SQ4-FB-100U-125D-B2750-1D-UNV-STD-W-4-2700K

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|-------|-------|
| 0° | 4863 | 4863 | 4863 |
| 5° | 4746 | 5617 | 6537 |
| 10° | 4300 | 8182 | 10838 |
| 15° | 3651 | 10681 | 13086 |
| 20° | 2969 | 12370 | 13338 |
| 25° | 2473 | 12935 | 13067 |
| 30° | 2083 | 13006 | 13042 |
| 35° | 1838 | 12779 | 13379 |
| 40° | 1600 | 12489 | 13727 |
| 45° | 1445 | 12273 | 13781 |
| 50° | 1323 | 12076 | 13553 |
| 55° | 1264 | 11792 | 12952 |
| 60° | 1290 | 11259 | 12005 |
| 65° | 1334 | 10455 | 10700 |
| 70° | 1412 | 9100 | 9040 |
| 75° | 1548 | 7401 | 7055 |
| 80° | 1657 | 5113 | 4753 |
| 85° | 1391 | 2698 | 2433 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 13781 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 67.8 | 0.8 |
| 10°-20° | 300.5 | 3.7 |
| 20°-30° | 525.6 | 6.5 |
| 30°-40° | 676.6 | 8.4 |
| 40°-50° | 755.7 | 9.4 |
| 50°-60° | 723.8 | 9.0 |
| 60°-70° | 573.6 | 7.1 |
| 70°-80° | 337.3 | 4.2 |
| 80°-90° | 96.1 | 1.2 |
| 90°-100° | 300.9 | 3.7 |
| 100°-110° | 791.1 | 9.8 |
| 110°-120° | 820.2 | 10.2 |
| 120°-130° | 657.9 | 8.2 |
| 130°-140° | 516.2 | 6.4 |
| 140°-150° | 396.2 | 4.9 |
| 150°-160° | 285.4 | 3.5 |
| 160°-170° | 174.6 | 2.2 |
| 170°-180° | 59.0 | 0.7 |
| 0°-30° | 893.9 | 11.1 |
| 0°-40° | 1570.5 | 19.5 |
| 0°-60° | 3050.1 | 37.8 |
| 0°-90° | 4057.1 | 50.3 |
| 90°-120° | 1912.2 | 23.7 |
| 90°-150° | 3482.6 | 43.2 |
| 90°-180° | 4002.0 | 49.7 |
| 0°-180° | 8058.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|------|-------|------|------|
| 0° | 524 | 524 | 524 | 524 | 524 | |
| 5° | 511 | 548 | 617 | 698 | 723 | 47 |
| 15° | 383 | 706 | 1190 | 1443 | 1488 | 106 |
| 25° | 244 | 800 | 1417 | 1480 | 1482 | 113 |
| 35° | 165 | 765 | 1335 | 1411 | 1466 | 103 |
| 45° | 113 | 610 | 1180 | 1352 | 1412 | 87 |
| 55° | 81 | 388 | 1001 | 1163 | 1195 | 74 |
| 65° | 64 | 206 | 743 | 836 | 848 | 63 |
| 75° | 47 | 126 | 408 | 448 | 450 | 49 |
| 85° | 17 | 39 | 101 | 111 | 113 | 18 |
| 90° | 4 | 12 | 32 | 16 | 16 | 5 |
| 95° | 40 | 156 | 518 | 267 | 182 | 44 |
| 105° | 142 | 216 | 875 | 1328 | 1239 | 151 |
| 115° | 253 | 307 | 701 | 1397 | 1595 | 250 |
| 125° | 352 | 395 | 637 | 1077 | 1270 | 313 |
| 135° | 420 | 462 | 617 | 869 | 986 | 325 |
| 145° | 487 | 518 | 610 | 742 | 800 | 305 |
| 155° | 550 | 566 | 610 | 669 | 688 | 253 |
| 165° | 594 | 602 | 610 | 634 | 641 | 168 |
| 175° | 617 | 617 | 614 | 621 | 621 | 59 |
| 180° | 617 | 617 | 617 | 617 | 617 | |



TEST NUMBER: P937782

CATALOG NUMBER: SQ4-FB-100U-125D-B2750-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 |
| 2.5° | 524.1 | 524.1 | 527.5 | 529.2 | 532.6 | 534.3 | 537.6 | 541.0 | 551.1 | 552.8 | 556.2 |
| 5° | 510.6 | 517.4 | 539.3 | 547.7 | 571.3 | 603.4 | 616.8 | 638.7 | 684.3 | 697.7 | 706.2 |
| 7.5° | 490.4 | 505.6 | 559.6 | 573.0 | 632.0 | 716.2 | 751.7 | 798.9 | 871.3 | 906.7 | 935.3 |
| 10° | 458.4 | 490.4 | 586.4 | 618.5 | 714.5 | 842.6 | 908.4 | 974.1 | 1083.6 | 1132.6 | 1151.1 |
| 12.5° | 423.0 | 475.3 | 615.1 | 659.0 | 797.2 | 984.2 | 1063.4 | 1135.9 | 1260.6 | 1326.4 | 1336.4 |
| 15° | 382.6 | 453.4 | 642.1 | 706.2 | 884.7 | 1102.2 | 1189.8 | 1279.2 | 1395.5 | 1442.6 | 1454.5 |
| 17.5° | 347.2 | 436.5 | 667.4 | 734.8 | 952.2 | 1208.3 | 1297.7 | 1371.9 | 1466.2 | 1498.3 | 1506.6 |
| 20° | 303.4 | 409.6 | 684.3 | 771.9 | 1023.0 | 1285.9 | 1371.9 | 1429.2 | 1493.2 | 1513.4 | 1516.8 |
| 22.5° | 271.3 | 380.9 | 694.3 | 785.3 | 1070.2 | 1333.0 | 1405.6 | 1451.1 | 1494.9 | 1501.7 | 1503.3 |
| 25° | 244.4 | 348.9 | 692.7 | 800.5 | 1110.6 | 1361.7 | 1417.4 | 1451.1 | 1476.4 | 1479.8 | 1479.8 |
| 27.5° | 219.1 | 313.4 | 685.9 | 803.9 | 1140.9 | 1368.5 | 1412.3 | 1435.9 | 1447.7 | 1454.5 | 1454.5 |
| 30° | 197.2 | 279.8 | 669.1 | 797.2 | 1154.5 | 1361.7 | 1397.1 | 1408.9 | 1420.7 | 1430.9 | 1435.9 |
| 32.5° | 180.4 | 247.7 | 643.8 | 783.7 | 1156.2 | 1344.9 | 1370.2 | 1376.9 | 1393.8 | 1417.4 | 1425.8 |
| 35° | 165.1 | 215.7 | 615.1 | 765.1 | 1146.0 | 1317.9 | 1334.7 | 1341.5 | 1375.2 | 1410.6 | 1422.4 |
| 37.5° | 150.0 | 192.1 | 578.1 | 733.2 | 1130.9 | 1285.9 | 1297.7 | 1309.5 | 1361.7 | 1403.9 | 1417.4 |
| 40° | 134.9 | 171.9 | 534.3 | 697.7 | 1107.3 | 1247.1 | 1257.3 | 1275.8 | 1344.9 | 1393.8 | 1407.2 |
| 42.5° | 123.0 | 155.1 | 487.0 | 660.6 | 1076.9 | 1203.4 | 1218.5 | 1245.5 | 1324.7 | 1376.9 | 1392.1 |
| 45° | 112.9 | 138.2 | 436.5 | 610.0 | 1038.1 | 1157.8 | 1179.8 | 1216.8 | 1301.1 | 1351.7 | 1365.1 |
| 47.5° | 102.8 | 126.4 | 384.3 | 557.9 | 996.0 | 1112.3 | 1140.9 | 1183.1 | 1269.0 | 1317.9 | 1329.8 |
| 50° | 94.4 | 114.6 | 332.0 | 502.2 | 950.5 | 1063.4 | 1097.2 | 1140.9 | 1228.6 | 1274.1 | 1289.3 |
| 52.5° | 87.6 | 104.5 | 283.2 | 446.6 | 898.3 | 1012.8 | 1051.7 | 1097.2 | 1179.8 | 1223.6 | 1233.6 |
| 55° | 80.9 | 96.0 | 241.0 | 387.6 | 844.3 | 958.9 | 1001.1 | 1044.9 | 1125.8 | 1162.8 | 1169.6 |
| 57.5° | 77.5 | 89.3 | 205.6 | 332.0 | 787.0 | 898.3 | 945.5 | 985.9 | 1061.7 | 1090.4 | 1097.2 |
| 60° | 72.5 | 84.3 | 178.7 | 284.9 | 724.7 | 841.0 | 881.5 | 921.9 | 985.9 | 1009.5 | 1014.5 |
| 62.5° | 67.4 | 80.9 | 158.5 | 239.3 | 660.6 | 773.6 | 814.0 | 851.1 | 905.1 | 921.9 | 928.6 |
| 65° | 64.0 | 77.5 | 143.2 | 205.6 | 594.9 | 702.8 | 743.2 | 775.3 | 819.1 | 835.9 | 839.3 |
| 67.5° | 60.7 | 74.2 | 131.5 | 177.0 | 529.2 | 632.0 | 662.3 | 692.7 | 726.4 | 743.2 | 744.9 |
| 70° | 55.6 | 70.8 | 121.3 | 156.8 | 461.7 | 551.1 | 576.4 | 608.4 | 635.3 | 643.8 | 648.9 |
| 72.5° | 52.3 | 65.7 | 114.6 | 141.5 | 392.7 | 473.6 | 497.2 | 515.7 | 539.3 | 547.7 | 547.7 |
| 75° | 47.2 | 59.0 | 107.9 | 126.4 | 321.9 | 387.6 | 407.9 | 426.4 | 444.9 | 448.3 | 443.2 |
| 77.5° | 42.1 | 52.3 | 92.7 | 106.2 | 251.1 | 306.8 | 323.6 | 333.7 | 348.9 | 352.2 | 353.9 |
| 80° | 35.4 | 45.5 | 72.5 | 82.6 | 182.0 | 225.8 | 237.6 | 246.0 | 259.6 | 259.6 | 262.9 |
| 82.5° | 27.0 | 35.4 | 52.3 | 59.0 | 123.0 | 155.1 | 165.1 | 170.2 | 178.7 | 178.7 | 178.7 |
| 85° | 16.8 | 21.9 | 33.7 | 38.7 | 74.2 | 94.4 | 101.1 | 102.8 | 109.6 | 111.3 | 111.3 |
| 87.5° | 8.5 | 11.8 | 21.9 | 23.6 | 38.7 | 48.9 | 48.9 | 52.3 | 52.3 | 50.6 | 48.9 |
| 90° | 4.2 | 7.5 | 10.8 | 11.6 | 18.2 | 27.1 | 31.5 | 28.0 | 21.0 | 15.7 | 15.7 |
| 92.5° | 16.5 | 44.7 | 72.9 | 80.0 | 112.4 | 155.7 | 177.3 | 155.4 | 111.6 | 78.7 | 75.6 |
| 95° | 39.7 | 91.3 | 142.9 | 155.8 | 276.6 | 437.6 | 518.2 | 462.4 | 350.9 | 267.2 | 257.8 |
| 97.5° | 68.7 | 114.2 | 159.8 | 171.1 | 372.6 | 641.2 | 775.5 | 740.2 | 669.7 | 616.8 | 598.8 |
| 100° | 91.1 | 132.4 | 173.6 | 184.0 | 407.6 | 705.7 | 854.7 | 857.3 | 862.3 | 866.2 | 844.7 |
| 102.5° | 110.2 | 148.7 | 187.1 | 196.8 | 423.6 | 725.9 | 877.1 | 922.0 | 1011.8 | 1079.2 | 1060.7 |
| 105° | 142.5 | 175.1 | 207.7 | 215.8 | 435.5 | 728.2 | 874.6 | 975.3 | 1176.7 | 1327.8 | 1317.9 |
| 107.5° | 175.7 | 206.1 | 236.5 | 244.0 | 437.6 | 695.7 | 824.8 | 965.3 | 1246.3 | 1457.0 | 1459.4 |
| 110° | 198.0 | 225.5 | 252.9 | 259.8 | 434.3 | 667.0 | 783.4 | 940.4 | 1254.6 | 1490.1 | 1500.5 |



TEST NUMBER: P937782

CATALOG NUMBER: SQ4-FB-100U-125D-B2750-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 112.5° | 220.0 | 246.1 | 272.2 | 278.8 | 434.5 | 641.9 | 745.7 | 906.5 | 1227.9 | 1469.0 | 1484.8 |
| 115° | 253.1 | 277.2 | 301.3 | 307.4 | 438.4 | 613.2 | 700.6 | 855.5 | 1165.1 | 1397.4 | 1419.3 |
| 117.5° | 285.9 | 307.8 | 329.7 | 335.2 | 446.6 | 595.2 | 669.5 | 809.2 | 1088.7 | 1298.4 | 1322.7 |
| 120° | 304.9 | 325.5 | 346.1 | 351.3 | 453.2 | 589.1 | 657.1 | 784.7 | 1040.1 | 1231.7 | 1255.4 |
| 122.5° | 323.6 | 344.4 | 365.2 | 370.4 | 462.7 | 585.9 | 647.5 | 762.4 | 992.4 | 1164.9 | 1188.2 |
| 125° | 352.2 | 371.1 | 390.0 | 394.8 | 475.6 | 583.3 | 637.1 | 734.8 | 930.2 | 1076.7 | 1098.2 |
| 127.5° | 375.3 | 394.4 | 413.6 | 418.4 | 488.4 | 581.8 | 628.5 | 712.3 | 880.1 | 1005.9 | 1024.0 |
| 130° | 387.7 | 408.4 | 429.0 | 434.2 | 497.8 | 582.8 | 625.2 | 699.9 | 849.2 | 961.1 | 977.9 |
| 132.5° | 400.6 | 421.2 | 441.8 | 447.0 | 505.4 | 583.3 | 622.2 | 689.0 | 822.7 | 923.0 | 938.0 |
| 135° | 419.7 | 438.4 | 457.3 | 461.9 | 513.7 | 582.8 | 617.3 | 673.3 | 785.1 | 869.1 | 882.1 |
| 137.5° | 439.1 | 457.8 | 476.3 | 481.0 | 526.1 | 586.3 | 616.4 | 663.7 | 758.4 | 829.4 | 839.9 |
| 140° | 455.3 | 472.4 | 489.5 | 493.8 | 533.8 | 586.9 | 613.5 | 654.4 | 736.1 | 797.5 | 807.4 |
| 142.5° | 467.7 | 483.6 | 499.4 | 503.4 | 540.1 | 589.0 | 613.5 | 649.4 | 721.2 | 775.1 | 783.7 |
| 145° | 486.7 | 500.6 | 514.3 | 517.8 | 548.4 | 589.1 | 609.5 | 638.8 | 697.5 | 741.5 | 748.0 |
| 147.5° | 505.9 | 519.3 | 532.7 | 536.0 | 560.5 | 593.1 | 609.5 | 632.6 | 678.8 | 713.4 | 718.8 |
| 150° | 518.2 | 530.4 | 542.5 | 545.6 | 566.9 | 595.3 | 609.5 | 629.0 | 667.9 | 697.2 | 701.5 |
| 152.5° | 531.1 | 540.2 | 549.5 | 551.8 | 571.0 | 596.6 | 609.5 | 626.1 | 659.4 | 684.4 | 687.6 |
| 155° | 550.2 | 557.0 | 563.8 | 565.5 | 580.2 | 599.7 | 609.5 | 622.7 | 649.2 | 669.0 | 671.2 |
| 157.5° | 564.2 | 570.9 | 577.5 | 579.2 | 589.2 | 602.7 | 609.5 | 619.7 | 640.3 | 655.8 | 657.3 |
| 160° | 573.8 | 579.0 | 584.1 | 585.3 | 593.4 | 604.1 | 609.5 | 618.3 | 635.9 | 649.2 | 650.1 |
| 162.5° | 583.3 | 587.1 | 591.0 | 592.0 | 597.8 | 605.6 | 609.5 | 616.9 | 631.8 | 642.9 | 643.7 |
| 165° | 593.6 | 597.1 | 600.6 | 601.5 | 604.2 | 607.7 | 609.5 | 614.8 | 625.5 | 633.5 | 634.4 |
| 167.5° | 603.2 | 604.9 | 606.6 | 607.0 | 609.2 | 612.0 | 613.5 | 617.0 | 624.0 | 629.3 | 629.7 |
| 170° | 609.5 | 611.0 | 612.7 | 613.1 | 613.2 | 613.4 | 613.5 | 617.0 | 624.0 | 629.3 | 629.3 |
| 172.5° | 612.7 | 613.1 | 613.4 | 613.5 | 613.5 | 613.5 | 613.5 | 616.3 | 621.8 | 626.0 | 625.7 |
| 175° | 617.3 | 617.3 | 617.3 | 617.3 | 616.0 | 614.3 | 613.5 | 615.3 | 618.8 | 621.4 | 621.4 |
| 177.5° | 617.3 | 617.3 | 617.3 | 617.3 | 616.3 | 615.0 | 614.3 | 615.7 | 618.5 | 620.6 | 620.2 |
| 180° | 617.3 | 617.3 | 617.3 | 617.3 | 617.3 | 617.3 | 617.3 | 617.3 | 617.3 | 617.3 | 617.3 |



TEST NUMBER: P937782

CATALOG NUMBER: SQ4-FB-100U-125D-B2750-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 524.1 | 524.1 |
| 2.5° | 559.6 | 556.2 |
| 5° | 719.6 | 723.0 |
| 7.5° | 969.1 | 967.4 |
| 10° | 1205.0 | 1220.2 |
| 12.5° | 1376.9 | 1380.3 |
| 15° | 1481.5 | 1488.1 |
| 17.5° | 1521.9 | 1523.6 |
| 20° | 1523.6 | 1520.2 |
| 22.5° | 1505.0 | 1501.7 |
| 25° | 1483.0 | 1481.5 |
| 27.5° | 1462.8 | 1464.5 |
| 30° | 1454.5 | 1459.5 |
| 32.5° | 1454.5 | 1462.8 |
| 35° | 1457.8 | 1466.2 |
| 37.5° | 1456.2 | 1466.2 |
| 40° | 1449.4 | 1461.1 |
| 42.5° | 1430.9 | 1439.2 |
| 45° | 1402.2 | 1412.3 |
| 47.5° | 1365.1 | 1371.9 |
| 50° | 1317.9 | 1324.7 |
| 52.5° | 1258.9 | 1260.6 |
| 55° | 1188.1 | 1194.9 |
| 57.5° | 1112.3 | 1114.0 |
| 60° | 1028.1 | 1033.2 |
| 62.5° | 938.7 | 938.7 |
| 65° | 844.3 | 847.7 |
| 67.5° | 746.6 | 755.1 |
| 70° | 647.2 | 648.9 |
| 72.5° | 549.4 | 549.4 |
| 75° | 448.3 | 450.0 |
| 77.5° | 352.2 | 352.2 |
| 80° | 261.3 | 262.9 |
| 82.5° | 180.4 | 183.7 |
| 85° | 112.9 | 112.9 |
| 87.5° | 52.3 | 47.2 |
| 90° | 15.7 | 15.7 |
| 92.5° | 63.0 | 50.5 |
| 95° | 219.8 | 181.9 |
| 97.5° | 526.6 | 454.5 |
| 100° | 758.8 | 672.8 |
| 102.5° | 987.1 | 913.5 |
| 105° | 1278.3 | 1238.7 |
| 107.5° | 1469.0 | 1478.6 |
| 110° | 1541.7 | 1582.9 |



TEST NUMBER: P937782

CATALOG NUMBER: SQ4-FB-100U-125D-B2750-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 1548.2 | 1611.5 |
| 115° | 1507.1 | 1595.0 |
| 117.5° | 1420.1 | 1517.5 |
| 120° | 1350.0 | 1444.6 |
| 122.5° | 1281.7 | 1375.0 |
| 125° | 1184.1 | 1270.2 |
| 127.5° | 1096.6 | 1169.1 |
| 130° | 1044.9 | 1111.9 |
| 132.5° | 998.0 | 1058.1 |
| 135° | 933.8 | 985.5 |
| 137.5° | 882.4 | 924.7 |
| 140° | 847.0 | 886.5 |
| 142.5° | 817.7 | 851.8 |
| 145° | 773.8 | 799.6 |
| 147.5° | 740.1 | 761.4 |
| 150° | 718.8 | 736.1 |
| 152.5° | 700.7 | 713.8 |
| 155° | 679.9 | 688.5 |
| 157.5° | 663.4 | 669.5 |
| 160° | 653.6 | 657.1 |
| 162.5° | 647.1 | 650.4 |
| 165° | 637.8 | 641.3 |
| 167.5° | 631.1 | 632.6 |
| 170° | 629.3 | 629.3 |
| 172.5° | 624.4 | 623.1 |
| 175° | 621.4 | 621.4 |
| 177.5° | 618.8 | 617.3 |
| 180° | 617.3 | 617.3 |



TEST NUMBER: P937782

CATALOG NUMBER: SQ4-FB-100U-125D-B2750-1D-UNV-STD-W-4-2700K

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 | 6.52 | 7.42 | 7.46 | 8.39 | 9.65 | 19.66 | 20.56 | 20.60 | 21.53 | 22.79 |
| | 3H | 7.23 | 8.04 | 8.19 | 9.02 | 10.30 | 21.48 | 22.30 | 22.44 | 23.27 | 24.56 |
| | 4H | 7.53 | 8.30 | 8.50 | 9.28 | 10.57 | 22.12 | 22.89 | 23.09 | 23.87 | 25.17 |
| | 6H | 7.78 | 8.49 | 8.76 | 9.48 | 10.79 | 22.54 | 23.25 | 23.52 | 24.24 | 25.55 |
| | 8H | 7.85 | 8.53 | 8.84 | 9.53 | 10.84 | 22.66 | 23.33 | 23.65 | 24.34 | 25.64 |
| | 12H | 7.87 | 8.51 | 8.87 | 9.51 | 10.84 | 22.72 | 23.36 | 23.72 | 24.36 | 25.69 |
| 4H | 2H | 13.71 | 14.48 | 14.69 | 15.46 | 16.76 | 19.94 | 20.71 | 20.92 | 21.69 | 22.98 |
| | 3H | 15.29 | 15.93 | 16.27 | 16.94 | 18.25 | 21.97 | 22.62 | 22.96 | 23.63 | 24.94 |
| | 4H | 15.38 | 15.97 | 16.38 | 16.98 | 18.31 | 22.73 | 23.32 | 23.73 | 24.32 | 25.66 |
| | 6H | 15.40 | 15.91 | 16.41 | 16.94 | 18.26 | 23.26 | 23.77 | 24.27 | 24.80 | 26.13 |
| | 8H | 15.38 | 15.85 | 16.39 | 16.87 | 18.22 | 23.42 | 23.89 | 24.43 | 24.91 | 26.26 |
| | 12H | 15.34 | 15.77 | 16.36 | 16.80 | 18.15 | 23.50 | 23.94 | 24.53 | 24.97 | 26.32 |
| 8H | 4H | 16.82 | 17.30 | 17.83 | 18.32 | 19.66 | 22.80 | 23.27 | 23.81 | 24.29 | 25.64 |
| | 6H | 17.07 | 17.46 | 18.10 | 18.52 | 19.87 | 23.41 | 23.81 | 24.45 | 24.87 | 26.21 |
| | 8H | 17.09 | 17.43 | 18.13 | 18.48 | 19.84 | 23.63 | 23.98 | 24.67 | 25.02 | 26.38 |
| | 12H | 17.06 | 17.36 | 18.10 | 18.41 | 19.81 | 23.77 | 24.07 | 24.81 | 25.11 | 26.52 |
| 12H | 4H | 16.97 | 17.40 | 17.99 | 18.43 | 19.78 | 22.75 | 23.18 | 23.78 | 24.22 | 25.57 |
| | 6H | 17.32 | 17.67 | 18.37 | 18.72 | 20.08 | 23.40 | 23.75 | 24.44 | 24.79 | 26.16 |
| | 8H | 17.39 | 17.70 | 18.44 | 18.74 | 20.15 | 23.62 | 23.93 | 24.67 | 24.97 | 26.38 |