

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: P938262

Luminaire Tested: SQ4-FB-150U-050D-93050-1D-UNV-STD-W-6-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P938262
REPORT IS A COMBINATION OF REPORTS P933637 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-150U-050D-93050-1D-UNV-STD-W-6-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

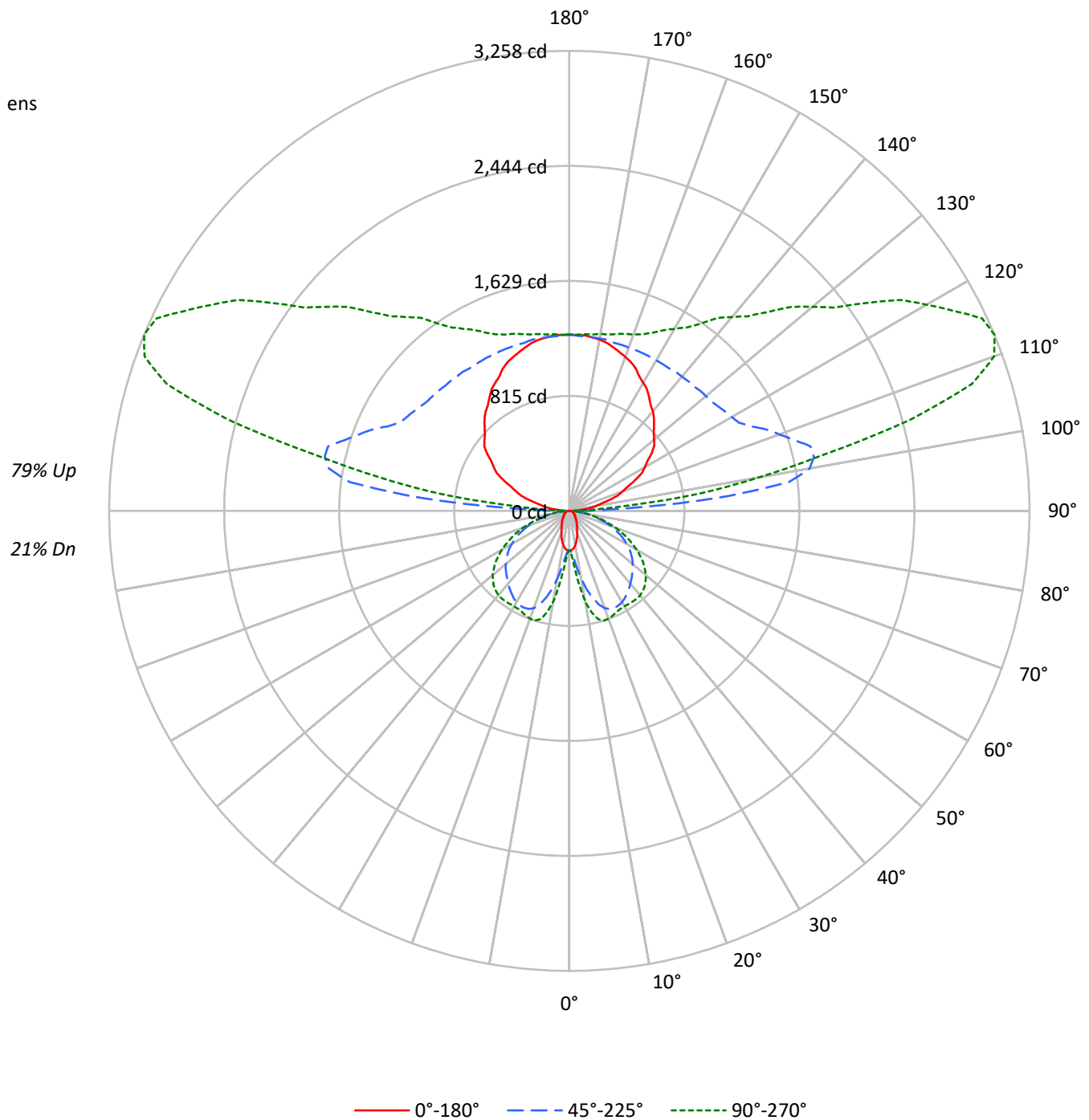
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10262.1 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 83.4
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: P938262
CATALOG NUMBER: SQ4-FB-150U-050D-93050-1D-UNV-STD-W-6-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P938262

CATALOG NUMBER: SQ4-FB-150U-050D-93050-1D-UNV-STD-W-6-3500K

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 | 100 | 100 | 100 | 100 | 89 | 89 | 89 | 89 | 67 | 67 | 67 | 48 | 48 | 48 | 30 | 30 | 30 | 21 |
| 1 | 91 | 87 | 83 | 80 | 80 | 77 | 74 | 71 | 58 | 56 | 54 | 41 | 40 | 39 | 26 | 25 | 24 | 17 |
| 2 | 83 | 75 | 70 | 65 | 73 | 67 | 62 | 58 | 51 | 48 | 45 | 36 | 34 | 32 | 22 | 21 | 20 | 14 |
| 3 | 75 | 66 | 59 | 53 | 66 | 59 | 53 | 48 | 45 | 40 | 37 | 32 | 29 | 27 | 20 | 18 | 17 | 12 |
| 4 | 69 | 58 | 50 | 45 | 60 | 52 | 45 | 40 | 39 | 35 | 31 | 28 | 25 | 23 | 17 | 16 | 14 | 10 |
| 5 | 63 | 51 | 44 | 38 | 55 | 46 | 39 | 34 | 35 | 30 | 27 | 25 | 22 | 19 | 15 | 14 | 12 | 8 |
| 6 | 57 | 46 | 38 | 32 | 51 | 41 | 34 | 29 | 31 | 26 | 23 | 22 | 19 | 17 | 14 | 12 | 11 | 7 |
| 7 | 53 | 41 | 33 | 28 | 47 | 37 | 30 | 25 | 28 | 23 | 20 | 20 | 17 | 14 | 12 | 11 | 9 | 6 |
| 8 | 49 | 37 | 30 | 24 | 43 | 33 | 27 | 22 | 25 | 21 | 17 | 18 | 15 | 13 | 11 | 9 | 8 | 5 |
| 9 | 45 | 34 | 26 | 21 | 40 | 30 | 24 | 19 | 23 | 18 | 15 | 16 | 13 | 11 | 10 | 9 | 7 | 5 |
| 10 | 42 | 31 | 24 | 19 | 37 | 27 | 21 | 17 | 21 | 17 | 14 | 15 | 12 | 10 | 10 | 8 | 6 | 4 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 1733 | 1733 | 1733 |
| 5° | 1692 | 2002 | 2329 |
| 10° | 1534 | 2918 | 3861 |
| 15° | 1303 | 3811 | 4662 |
| 20° | 1061 | 4415 | 4751 |
| 25° | 885 | 4619 | 4655 |
| 30° | 746 | 4647 | 4646 |
| 35° | 659 | 4568 | 4766 |
| 40° | 574 | 4467 | 4890 |
| 45° | 519 | 4392 | 4910 |
| 50° | 476 | 4325 | 4828 |
| 55° | 455 | 4226 | 4614 |
| 60° | 467 | 4039 | 4276 |
| 65° | 483 | 3755 | 3811 |
| 70° | 514 | 3273 | 3221 |
| 75° | 567 | 2665 | 2514 |
| 80° | 615 | 1847 | 1693 |
| 85° | 537 | 979 | 866 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 4910 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 36.2 | 0.4 |
| 10°-20° | 160.6 | 1.6 |
| 20°-30° | 280.9 | 2.7 |
| 30°-40° | 361.5 | 3.5 |
| 40°-50° | 403.8 | 3.9 |
| 50°-60° | 386.8 | 3.8 |
| 60°-70° | 306.5 | 3.0 |
| 70°-80° | 180.2 | 1.8 |
| 80°-90° | 54.8 | 0.5 |
| 90°-100° | 608.4 | 5.9 |
| 100°-110° | 1599.4 | 15.6 |
| 110°-120° | 1658.4 | 16.2 |
| 120°-130° | 1330.3 | 13.0 |
| 130°-140° | 1043.8 | 10.2 |
| 140°-150° | 801.1 | 7.8 |
| 150°-160° | 576.9 | 5.6 |
| 160°-170° | 353.0 | 3.4 |
| 170°-180° | 119.3 | 1.2 |
| 0°-30° | 477.7 | 4.7 |
| 0°-40° | 839.2 | 8.2 |
| 0°-60° | 1629.8 | 15.9 |
| 0°-90° | 2171.4 | 21.2 |
| 90°-120° | 3866.2 | 37.7 |
| 90°-150° | 7041.4 | 68.6 |
| 90°-180° | 8091.0 | 78.8 |
| 0°-180° | 10262.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 280 | 280 | 280 | 280 | 280 | |
| 5° | 273 | 293 | 330 | 373 | 386 | 25 |
| 15° | 204 | 377 | 636 | 771 | 795 | 57 |
| 25° | 131 | 428 | 757 | 791 | 792 | 60 |
| 35° | 88 | 409 | 713 | 754 | 784 | 55 |
| 45° | 60 | 326 | 630 | 722 | 755 | 47 |
| 55° | 43 | 207 | 535 | 621 | 638 | 39 |
| 65° | 34 | 110 | 397 | 447 | 453 | 34 |
| 75° | 25 | 68 | 218 | 240 | 240 | 26 |
| 85° | 9 | 21 | 54 | 59 | 60 | 10 |
| 90° | 8 | 24 | 64 | 32 | 32 | 8 |
| 95° | 80 | 315 | 1048 | 540 | 368 | 89 |
| 105° | 288 | 436 | 1768 | 2685 | 2504 | 305 |
| 115° | 512 | 622 | 1416 | 2825 | 3225 | 505 |
| 125° | 712 | 798 | 1288 | 2177 | 2568 | 632 |
| 135° | 848 | 934 | 1248 | 1757 | 1993 | 657 |
| 145° | 984 | 1047 | 1232 | 1499 | 1617 | 617 |
| 155° | 1112 | 1143 | 1232 | 1353 | 1392 | 511 |
| 165° | 1200 | 1216 | 1232 | 1281 | 1297 | 339 |
| 175° | 1248 | 1248 | 1240 | 1256 | 1256 | 118 |
| 180° | 1248 | 1248 | 1248 | 1248 | 1248 | |



TEST NUMBER: P938262

CATALOG NUMBER: SQ4-FB-150U-050D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0° | 280.1 | 280.1 | 280.1 | 280.1 | 280.1 | 280.1 | 280.1 | 280.1 | 280.1 | 280.1 | 280.1 |
| 2.5° | 280.1 | 280.1 | 281.8 | 282.7 | 284.6 | 285.5 | 287.3 | 289.1 | 294.5 | 295.4 | 297.2 |
| 5° | 272.9 | 276.5 | 288.2 | 292.7 | 305.3 | 322.4 | 329.6 | 341.3 | 365.6 | 372.8 | 377.4 |
| 7.5° | 262.1 | 270.2 | 298.9 | 306.2 | 337.7 | 382.7 | 401.6 | 426.9 | 465.6 | 484.5 | 499.9 |
| 10° | 245.0 | 262.1 | 313.4 | 330.5 | 381.9 | 450.3 | 485.4 | 520.5 | 579.1 | 605.1 | 615.1 |
| 12.5° | 226.1 | 254.0 | 328.7 | 352.1 | 426.0 | 525.9 | 568.3 | 607.0 | 673.6 | 708.7 | 714.1 |
| 15° | 204.4 | 242.3 | 343.1 | 377.4 | 472.8 | 588.9 | 635.8 | 683.6 | 745.7 | 770.9 | 777.2 |
| 17.5° | 185.5 | 233.2 | 356.6 | 392.7 | 508.8 | 645.7 | 693.4 | 733.1 | 783.5 | 800.6 | 805.1 |
| 20° | 162.1 | 218.8 | 365.6 | 412.5 | 546.7 | 687.2 | 733.1 | 763.7 | 797.9 | 808.7 | 810.5 |
| 22.5° | 145.0 | 203.5 | 371.0 | 419.6 | 571.8 | 712.3 | 751.1 | 775.3 | 798.8 | 802.4 | 803.3 |
| 25° | 130.6 | 186.4 | 370.1 | 427.8 | 593.5 | 727.6 | 757.3 | 775.3 | 788.9 | 790.7 | 790.7 |
| 27.5° | 117.1 | 167.5 | 366.5 | 429.6 | 609.7 | 731.3 | 754.7 | 767.3 | 773.5 | 777.2 | 777.2 |
| 30° | 105.4 | 149.5 | 357.5 | 426.0 | 616.9 | 727.6 | 746.6 | 752.9 | 759.1 | 764.6 | 767.3 |
| 32.5° | 96.3 | 132.4 | 344.0 | 418.7 | 617.8 | 718.7 | 732.2 | 735.8 | 744.7 | 757.3 | 761.9 |
| 35° | 88.3 | 115.3 | 328.7 | 408.9 | 612.4 | 704.3 | 713.2 | 716.9 | 734.9 | 753.8 | 760.0 |
| 37.5° | 80.1 | 102.7 | 308.9 | 391.8 | 604.2 | 687.2 | 693.4 | 699.8 | 727.6 | 750.2 | 757.3 |
| 40° | 72.1 | 91.9 | 285.5 | 372.8 | 591.7 | 666.4 | 671.8 | 681.7 | 718.7 | 744.7 | 752.0 |
| 42.5° | 65.7 | 82.8 | 260.3 | 353.0 | 575.4 | 643.0 | 651.1 | 665.5 | 707.8 | 735.8 | 743.8 |
| 45° | 60.3 | 73.9 | 233.2 | 326.0 | 554.7 | 618.7 | 630.4 | 650.2 | 695.2 | 722.2 | 729.4 |
| 47.5° | 55.0 | 67.5 | 205.3 | 298.0 | 532.3 | 594.4 | 609.7 | 632.2 | 678.1 | 704.3 | 710.5 |
| 50° | 50.4 | 61.2 | 177.5 | 268.3 | 507.9 | 568.3 | 586.3 | 609.7 | 656.5 | 680.8 | 688.9 |
| 52.5° | 46.8 | 55.9 | 151.3 | 238.7 | 480.0 | 541.2 | 562.0 | 586.3 | 630.4 | 653.8 | 659.2 |
| 55° | 43.2 | 51.3 | 128.7 | 207.1 | 451.1 | 512.4 | 534.9 | 558.3 | 601.6 | 621.3 | 625.0 |
| 57.5° | 41.5 | 47.7 | 109.9 | 177.5 | 420.5 | 480.0 | 505.2 | 526.8 | 567.4 | 582.7 | 586.3 |
| 60° | 38.8 | 45.0 | 95.4 | 152.2 | 387.2 | 449.4 | 471.0 | 492.6 | 526.8 | 539.4 | 542.1 |
| 62.5° | 36.0 | 43.2 | 84.7 | 127.9 | 353.0 | 413.4 | 434.9 | 454.8 | 483.6 | 492.6 | 496.2 |
| 65° | 34.2 | 41.5 | 76.5 | 109.9 | 317.9 | 375.5 | 397.2 | 414.3 | 437.6 | 446.7 | 448.5 |
| 67.5° | 32.4 | 39.7 | 70.3 | 94.5 | 282.7 | 337.7 | 353.9 | 370.1 | 388.1 | 397.2 | 398.1 |
| 70° | 29.7 | 37.8 | 64.8 | 83.7 | 246.7 | 294.5 | 308.0 | 325.1 | 339.5 | 344.0 | 346.8 |
| 72.5° | 27.9 | 35.1 | 61.2 | 75.7 | 209.9 | 253.0 | 265.6 | 275.6 | 288.2 | 292.7 | 292.7 |
| 75° | 25.2 | 31.5 | 57.7 | 67.5 | 172.0 | 207.1 | 217.9 | 227.9 | 237.7 | 239.6 | 236.8 |
| 77.5° | 22.5 | 27.9 | 49.5 | 56.8 | 134.2 | 163.9 | 172.9 | 178.3 | 186.4 | 188.2 | 189.1 |
| 80° | 18.9 | 24.4 | 38.8 | 44.1 | 97.2 | 120.7 | 127.0 | 131.5 | 138.7 | 138.7 | 140.5 |
| 82.5° | 14.4 | 18.9 | 27.9 | 31.5 | 65.7 | 82.8 | 88.3 | 91.0 | 95.4 | 95.4 | 95.4 |
| 85° | 9.0 | 11.7 | 18.0 | 20.7 | 39.7 | 50.4 | 54.1 | 55.0 | 58.6 | 59.4 | 59.4 |
| 87.5° | 4.5 | 6.3 | 11.7 | 12.6 | 20.7 | 26.1 | 26.1 | 27.9 | 27.9 | 27.0 | 26.1 |
| 90° | 8.4 | 15.1 | 21.8 | 23.5 | 36.9 | 54.7 | 63.7 | 56.6 | 42.4 | 31.9 | 31.9 |
| 92.5° | 33.5 | 90.4 | 147.5 | 161.7 | 227.3 | 314.8 | 358.5 | 314.2 | 225.6 | 159.2 | 152.8 |
| 95° | 80.4 | 184.6 | 288.9 | 315.0 | 559.3 | 885.0 | 1047.9 | 935.1 | 709.4 | 540.2 | 521.1 |
| 97.5° | 139.0 | 231.0 | 322.9 | 345.9 | 753.3 | 1296.5 | 1568.0 | 1496.8 | 1354.2 | 1247.3 | 1210.7 |
| 100° | 184.3 | 267.7 | 351.1 | 371.9 | 824.0 | 1426.7 | 1728.0 | 1733.2 | 1743.7 | 1751.5 | 1708.1 |
| 102.5° | 222.8 | 300.6 | 378.4 | 397.9 | 856.4 | 1467.6 | 1773.3 | 1864.0 | 2045.7 | 2182.0 | 2144.7 |
| 105° | 288.1 | 354.0 | 419.9 | 436.4 | 880.4 | 1472.3 | 1768.2 | 1971.8 | 2379.1 | 2684.6 | 2664.5 |
| 107.5° | 355.2 | 416.6 | 478.0 | 493.3 | 884.7 | 1406.7 | 1667.7 | 1951.8 | 2519.9 | 2945.9 | 2950.8 |
| 110° | 400.4 | 455.9 | 511.3 | 525.2 | 878.1 | 1348.6 | 1583.9 | 1901.5 | 2536.6 | 3012.9 | 3033.8 |



TEST NUMBER: P938262

CATALOG NUMBER: SQ4-FB-150U-050D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 444.8 | 497.6 | 550.4 | 563.7 | 878.4 | 1297.9 | 1507.7 | 1832.7 | 2482.7 | 2970.2 | 3002.2 |
| 115° | 511.8 | 560.6 | 609.3 | 621.5 | 886.4 | 1239.7 | 1416.4 | 1729.5 | 2355.7 | 2825.2 | 2869.7 |
| 117.5° | 577.9 | 622.2 | 666.6 | 677.7 | 903.0 | 1203.4 | 1353.6 | 1636.2 | 2201.2 | 2625.1 | 2674.3 |
| 120° | 616.5 | 658.2 | 700.0 | 710.3 | 916.4 | 1191.1 | 1328.5 | 1586.7 | 2103.0 | 2490.2 | 2538.0 |
| 122.5° | 654.2 | 696.3 | 738.4 | 748.8 | 935.6 | 1184.7 | 1309.2 | 1541.7 | 2006.7 | 2355.4 | 2402.6 |
| 125° | 712.0 | 750.3 | 788.7 | 798.3 | 961.6 | 1179.4 | 1288.3 | 1485.8 | 1880.7 | 2177.0 | 2220.4 |
| 127.5° | 758.9 | 797.5 | 836.3 | 846.0 | 987.5 | 1176.3 | 1270.6 | 1440.2 | 1779.3 | 2033.7 | 2070.4 |
| 130° | 784.0 | 825.7 | 867.5 | 877.9 | 1006.6 | 1178.2 | 1264.0 | 1415.0 | 1716.9 | 1943.3 | 1977.1 |
| 132.5° | 810.0 | 851.7 | 893.4 | 903.8 | 1021.9 | 1179.4 | 1258.1 | 1393.2 | 1663.5 | 1866.2 | 1896.5 |
| 135° | 848.5 | 886.4 | 924.5 | 934.0 | 1038.7 | 1178.2 | 1248.1 | 1361.2 | 1587.6 | 1757.3 | 1783.5 |
| 137.5° | 887.9 | 925.5 | 963.1 | 972.5 | 1063.8 | 1185.5 | 1246.4 | 1342.1 | 1533.4 | 1676.9 | 1698.3 |
| 140° | 920.6 | 955.2 | 989.8 | 998.5 | 1079.1 | 1186.7 | 1240.5 | 1323.2 | 1488.5 | 1612.5 | 1632.4 |
| 142.5° | 945.6 | 977.7 | 1009.7 | 1017.7 | 1092.0 | 1191.0 | 1240.5 | 1313.2 | 1458.3 | 1567.2 | 1584.3 |
| 145° | 984.2 | 1012.2 | 1040.1 | 1047.1 | 1108.8 | 1191.0 | 1232.1 | 1291.5 | 1410.3 | 1499.4 | 1512.4 |
| 147.5° | 1022.7 | 1049.9 | 1077.1 | 1083.9 | 1133.3 | 1199.2 | 1232.1 | 1278.9 | 1372.2 | 1442.3 | 1453.2 |
| 150° | 1047.9 | 1072.4 | 1096.9 | 1103.1 | 1146.1 | 1203.5 | 1232.1 | 1271.6 | 1350.5 | 1409.7 | 1418.4 |
| 152.5° | 1073.8 | 1092.5 | 1111.1 | 1115.7 | 1154.5 | 1206.3 | 1232.1 | 1265.8 | 1333.2 | 1383.7 | 1390.3 |
| 155° | 1112.3 | 1126.1 | 1139.9 | 1143.3 | 1172.9 | 1212.4 | 1232.1 | 1258.9 | 1312.5 | 1352.7 | 1357.1 |
| 157.5° | 1140.8 | 1154.2 | 1167.7 | 1171.0 | 1191.4 | 1218.5 | 1232.1 | 1253.0 | 1294.7 | 1326.0 | 1329.0 |
| 160° | 1160.1 | 1170.5 | 1180.9 | 1183.5 | 1199.7 | 1221.3 | 1232.1 | 1250.0 | 1285.8 | 1312.5 | 1314.3 |
| 162.5° | 1179.4 | 1187.2 | 1195.0 | 1196.9 | 1208.7 | 1224.3 | 1232.1 | 1247.2 | 1277.3 | 1300.0 | 1301.7 |
| 165° | 1200.3 | 1207.4 | 1214.4 | 1216.2 | 1221.5 | 1228.5 | 1232.1 | 1243.0 | 1264.5 | 1280.7 | 1282.5 |
| 167.5° | 1219.6 | 1222.9 | 1226.3 | 1227.1 | 1231.6 | 1237.6 | 1240.5 | 1247.6 | 1261.8 | 1272.3 | 1273.0 |
| 170° | 1232.1 | 1235.4 | 1238.8 | 1239.6 | 1239.9 | 1240.4 | 1240.5 | 1247.6 | 1261.8 | 1272.3 | 1272.3 |
| 172.5° | 1238.8 | 1239.6 | 1240.4 | 1240.5 | 1240.5 | 1240.5 | 1240.5 | 1246.1 | 1257.3 | 1265.6 | 1265.0 |
| 175° | 1248.1 | 1248.1 | 1248.1 | 1248.1 | 1245.6 | 1242.2 | 1240.5 | 1244.0 | 1251.1 | 1256.4 | 1256.4 |
| 177.5° | 1248.1 | 1248.1 | 1248.1 | 1248.1 | 1246.1 | 1243.5 | 1242.2 | 1244.9 | 1250.6 | 1254.8 | 1254.1 |
| 180° | 1248.1 | 1248.1 | 1248.1 | 1248.1 | 1248.1 | 1248.1 | 1248.1 | 1248.1 | 1248.1 | 1248.1 | 1248.1 |



TEST NUMBER: P938262

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CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 280.1 | 280.1 |
| 2.5° | 298.9 | 297.2 |
| 5° | 384.5 | 386.3 |
| 7.5° | 517.8 | 517.0 |
| 10° | 643.9 | 652.0 |
| 12.5° | 735.8 | 737.6 |
| 15° | 791.6 | 795.2 |
| 17.5° | 813.2 | 814.1 |
| 20° | 814.1 | 812.3 |
| 22.5° | 804.2 | 802.4 |
| 25° | 792.5 | 791.6 |
| 27.5° | 781.7 | 782.6 |
| 30° | 777.2 | 779.9 |
| 32.5° | 777.2 | 781.7 |
| 35° | 779.0 | 783.5 |
| 37.5° | 778.1 | 783.5 |
| 40° | 774.4 | 780.8 |
| 42.5° | 764.6 | 769.1 |
| 45° | 749.3 | 754.7 |
| 47.5° | 729.4 | 733.1 |
| 50° | 704.3 | 707.8 |
| 52.5° | 672.7 | 673.6 |
| 55° | 634.9 | 638.5 |
| 57.5° | 594.4 | 595.3 |
| 60° | 549.4 | 552.0 |
| 62.5° | 501.6 | 501.6 |
| 65° | 451.1 | 452.9 |
| 67.5° | 399.0 | 403.4 |
| 70° | 345.9 | 346.8 |
| 72.5° | 293.6 | 293.6 |
| 75° | 239.6 | 240.5 |
| 77.5° | 188.2 | 188.2 |
| 80° | 139.6 | 140.5 |
| 82.5° | 96.3 | 98.1 |
| 85° | 60.3 | 60.3 |
| 87.5° | 27.9 | 25.2 |
| 90° | 31.9 | 31.9 |
| 92.5° | 127.5 | 102.2 |
| 95° | 444.3 | 367.7 |
| 97.5° | 1064.8 | 918.9 |
| 100° | 1534.2 | 1360.3 |
| 102.5° | 1995.8 | 1846.9 |
| 105° | 2584.5 | 2504.5 |
| 107.5° | 2970.1 | 2989.4 |
| 110° | 3117.1 | 3200.6 |



TEST NUMBER: P938262

CATALOG NUMBER: SQ4-FB-150U-050D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 3130.3 | 3258.3 |
| 115° | 3047.2 | 3224.8 |
| 117.5° | 2871.3 | 3068.2 |
| 120° | 2729.4 | 2920.8 |
| 122.5° | 2591.3 | 2780.0 |
| 125° | 2394.2 | 2568.1 |
| 127.5° | 2217.1 | 2363.8 |
| 130° | 2112.7 | 2248.1 |
| 132.5° | 2017.9 | 2139.3 |
| 135° | 1888.1 | 1992.7 |
| 137.5° | 1784.0 | 1869.6 |
| 140° | 1712.5 | 1792.5 |
| 142.5° | 1653.3 | 1722.1 |
| 145° | 1564.5 | 1616.6 |
| 147.5° | 1496.3 | 1539.6 |
| 150° | 1453.4 | 1488.5 |
| 152.5° | 1416.7 | 1443.2 |
| 155° | 1374.6 | 1392.1 |
| 157.5° | 1341.4 | 1353.6 |
| 160° | 1321.4 | 1328.5 |
| 162.5° | 1308.3 | 1315.0 |
| 165° | 1289.5 | 1296.6 |
| 167.5° | 1276.1 | 1279.0 |
| 170° | 1272.3 | 1272.3 |
| 172.5° | 1262.4 | 1259.8 |
| 175° | 1256.4 | 1256.4 |
| 177.5° | 1251.0 | 1248.1 |
| 180° | 1248.1 | 1248.1 |



TEST NUMBER: P938262

CATALOG NUMBER: SQ4-FB-150U-050D-93050-1D-UNV-STD-W-6-3500K

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 | 0.00 | 0.00 | 0.50 | 1.15 | 2.78 | 12.50 | 13.16 | 13.67 | 14.32 | 15.95 |
| | 3H | 0.03 | 0.62 | 1.20 | 1.78 | 3.43 | 14.32 | 14.91 | 15.49 | 16.08 | 17.72 |
| | 4H | 0.32 | 0.88 | 1.50 | 2.04 | 3.69 | 14.95 | 15.52 | 16.13 | 16.68 | 18.33 |
| | 6H | 0.55 | 1.08 | 1.74 | 2.24 | 3.90 | 15.37 | 15.89 | 16.56 | 17.05 | 18.71 |
| | 8H | 0.62 | 1.11 | 1.81 | 2.29 | 3.94 | 15.48 | 15.98 | 16.67 | 17.15 | 18.81 |
| | 12H | 0.63 | 1.10 | 1.82 | 2.27 | 3.94 | 15.54 | 16.01 | 16.73 | 17.18 | 18.85 |
| 4H | 2H | 6.52 | 7.08 | 7.71 | 8.25 | 9.89 | 12.75 | 13.32 | 13.94 | 14.48 | 16.13 |
| | 3H | 8.07 | 8.54 | 9.26 | 9.73 | 11.39 | 14.77 | 15.25 | 15.97 | 16.43 | 18.09 |
| | 4H | 8.15 | 8.59 | 9.35 | 9.76 | 11.44 | 15.53 | 15.96 | 16.72 | 17.14 | 18.82 |
| | 6H | 8.15 | 8.53 | 9.35 | 9.72 | 11.39 | 16.05 | 16.42 | 17.25 | 17.62 | 19.29 |
| | 8H | 8.12 | 8.47 | 9.32 | 9.66 | 11.35 | 16.20 | 16.55 | 17.40 | 17.74 | 19.43 |
| | 12H | 8.07 | 8.39 | 9.28 | 9.59 | 11.28 | 16.28 | 16.60 | 17.50 | 17.80 | 19.49 |
| 8H | 4H | 9.58 | 9.93 | 10.77 | 11.11 | 12.80 | 15.57 | 15.92 | 16.77 | 17.11 | 18.79 |
| | 6H | 9.81 | 10.10 | 11.03 | 11.33 | 13.01 | 16.19 | 16.47 | 17.40 | 17.70 | 19.39 |
| | 8H | 9.82 | 10.07 | 11.05 | 11.28 | 12.98 | 16.40 | 16.65 | 17.62 | 17.86 | 19.56 |
| | 12H | 9.78 | 10.00 | 11.01 | 11.21 | 12.94 | 16.53 | 16.75 | 17.76 | 17.96 | 19.69 |
| 12H | 4H | 9.71 | 10.03 | 10.92 | 11.22 | 12.91 | 15.51 | 15.83 | 16.73 | 17.03 | 18.72 |
| | 6H | 10.06 | 10.31 | 11.29 | 11.52 | 13.22 | 16.17 | 16.42 | 17.39 | 17.62 | 19.33 |
| | 8H | 10.12 | 10.34 | 11.35 | 11.55 | 13.28 | 16.38 | 16.60 | 17.61 | 17.81 | 19.54 |