

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: P938422

Luminaire Tested: SQ4-FB-150U-100D-927-1D-UNV-STD-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P938422
REPORT IS A COMBINATION OF REPORTS P933631 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-150U-100D-927-1D-UNV-STD-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

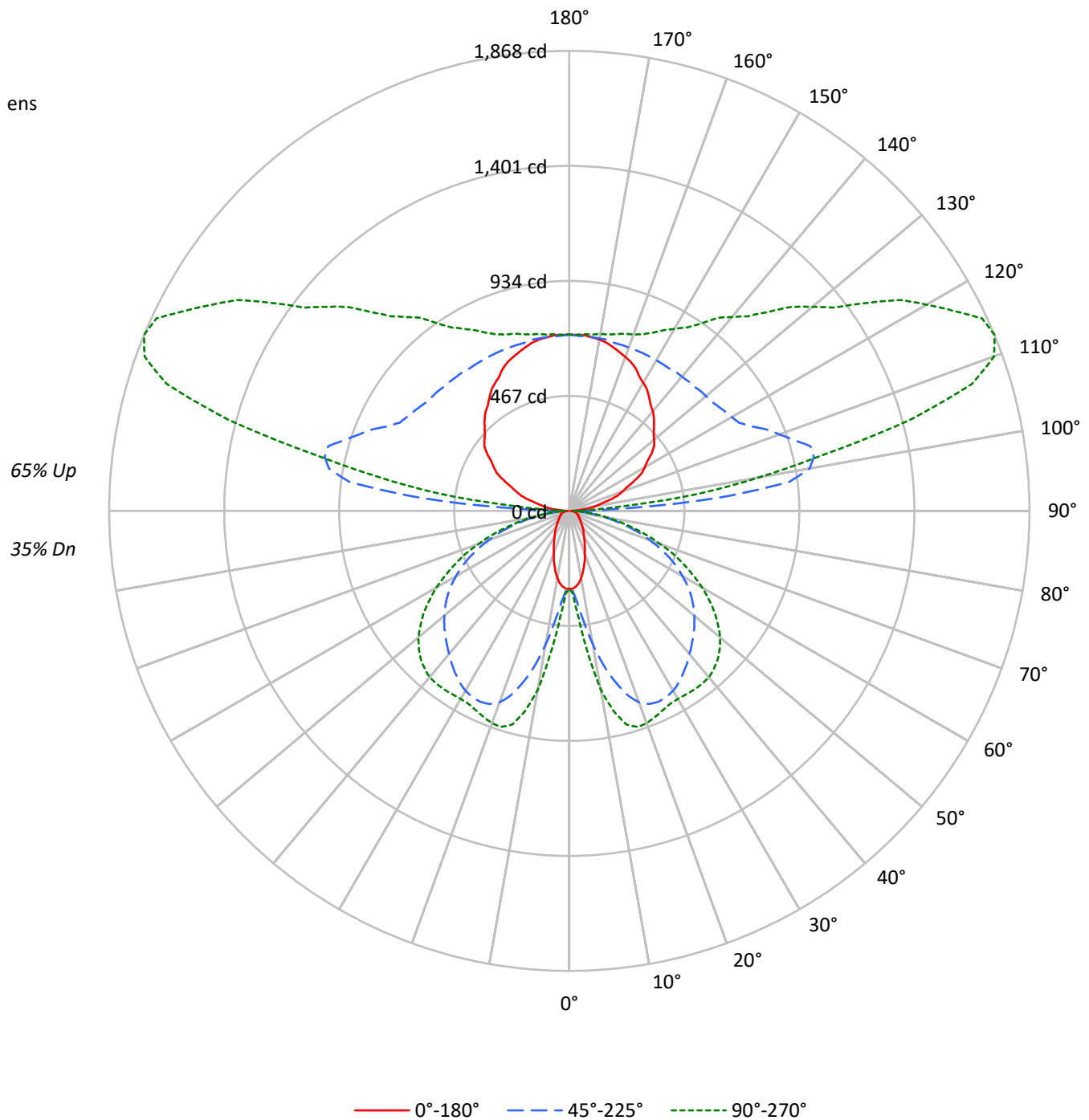
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7089.4 lumens
Efficiency: N/A
Efficacy: 97.9 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: Semi-Indirect

Input Watts (W): 72.4
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: P938422
CATALOG NUMBER: SQ4-FB-150U-100D-927-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P938422

CATALOG NUMBER: SQ4-FB-150U-100D-927-1D-UNV-STD-W-4

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 | 103 | 103 | 103 | 103 | 93 | 93 | 93 | 93 | 75 | 75 | 75 | 58 | 58 | 58 | 42 | 42 | 42 | 35 | | | 35 |
| 1 | 94 | 90 | 86 | 82 | 85 | 81 | 78 | 75 | 65 | 63 | 60 | 50 | 49 | 47 | 36 | 35 | 35 | 28 | | | 28 |
| 2 | 85 | 78 | 72 | 66 | 77 | 70 | 65 | 61 | 56 | 53 | 49 | 43 | 41 | 39 | 32 | 30 | 29 | 23 | | | 23 |
| 3 | 77 | 68 | 61 | 55 | 69 | 61 | 55 | 50 | 49 | 45 | 41 | 38 | 35 | 32 | 28 | 26 | 24 | 19 | | | 19 |
| 4 | 71 | 60 | 52 | 46 | 63 | 54 | 47 | 42 | 43 | 38 | 34 | 34 | 30 | 27 | 24 | 22 | 20 | 16 | | | 16 |
| 5 | 64 | 53 | 45 | 39 | 58 | 48 | 41 | 36 | 39 | 33 | 29 | 30 | 26 | 23 | 22 | 19 | 17 | 14 | | | 14 |
| 6 | 59 | 47 | 39 | 33 | 53 | 43 | 36 | 30 | 34 | 29 | 25 | 27 | 23 | 20 | 19 | 17 | 15 | 12 | | | 12 |
| 7 | 54 | 42 | 34 | 29 | 49 | 38 | 31 | 26 | 31 | 26 | 22 | 24 | 20 | 17 | 18 | 15 | 13 | 10 | | | 10 |
| 8 | 50 | 38 | 30 | 25 | 45 | 35 | 28 | 23 | 28 | 23 | 19 | 22 | 18 | 15 | 16 | 13 | 11 | 9 | | | 9 |
| 9 | 47 | 35 | 27 | 22 | 42 | 31 | 25 | 20 | 26 | 20 | 17 | 20 | 16 | 14 | 15 | 12 | 10 | 8 | | | 8 |
| 10 | 43 | 31 | 24 | 20 | 39 | 29 | 22 | 18 | 23 | 18 | 15 | 18 | 15 | 12 | 13 | 11 | 9 | 7 | | | 7 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2936 | 2936 | 2936 |
| 5° | 2865 | 3391 | 3947 |
| 10° | 2596 | 4939 | 6543 |
| 15° | 2203 | 6449 | 7901 |
| 20° | 1792 | 7468 | 8052 |
| 25° | 1493 | 7808 | 7889 |
| 30° | 1257 | 7852 | 7873 |
| 35° | 1110 | 7715 | 8077 |
| 40° | 966 | 7540 | 8287 |
| 45° | 872 | 7409 | 8320 |
| 50° | 799 | 7290 | 8182 |
| 55° | 762 | 7119 | 7819 |
| 60° | 777 | 6797 | 7247 |
| 65° | 806 | 6312 | 6459 |
| 70° | 853 | 5494 | 5457 |
| 75° | 935 | 4467 | 4259 |
| 80° | 997 | 3088 | 2869 |
| 85° | 845 | 1631 | 1467 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 8320 cd/sqm



TEST NUMBER: P938422

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 40.9 | 0.6 |
| 10°-20° | 181.4 | 2.6 |
| 20°-30° | 317.3 | 4.5 |
| 30°-40° | 408.5 | 5.8 |
| 40°-50° | 456.2 | 6.4 |
| 50°-60° | 437.0 | 6.2 |
| 60°-70° | 346.3 | 4.9 |
| 70°-80° | 203.6 | 2.9 |
| 80°-90° | 59.3 | 0.8 |
| 90°-100° | 348.8 | 4.9 |
| 100°-110° | 917.1 | 12.9 |
| 110°-120° | 950.9 | 13.4 |
| 120°-130° | 762.7 | 10.8 |
| 130°-140° | 598.5 | 8.4 |
| 140°-150° | 459.3 | 6.5 |
| 150°-160° | 330.8 | 4.7 |
| 160°-170° | 202.4 | 2.9 |
| 170°-180° | 68.4 | 1.0 |
| 0°-30° | 539.6 | 7.6 |
| 0°-40° | 948.1 | 13.4 |
| 0°-60° | 1841.3 | 26.0 |
| 0°-90° | 2450.6 | 34.6 |
| 90°-120° | 2216.7 | 31.3 |
| 90°-150° | 4037.3 | 56.9 |
| 90°-180° | 4639.0 | 65.4 |
| 0°-180° | 7089.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|------|-------|------|------|
| 0° | 316 | 316 | 316 | 316 | 316 | |
| 5° | 308 | 331 | 372 | 421 | 436 | 28 |
| 15° | 231 | 426 | 718 | 871 | 898 | 64 |
| 25° | 148 | 483 | 856 | 893 | 894 | 68 |
| 35° | 100 | 462 | 806 | 852 | 885 | 62 |
| 45° | 68 | 368 | 712 | 816 | 853 | 53 |
| 55° | 49 | 234 | 604 | 702 | 721 | 44 |
| 65° | 39 | 124 | 449 | 505 | 512 | 38 |
| 75° | 28 | 76 | 246 | 271 | 272 | 30 |
| 85° | 10 | 23 | 61 | 67 | 68 | 11 |
| 90° | 5 | 14 | 36 | 18 | 18 | 5 |
| 95° | 46 | 181 | 601 | 310 | 211 | 51 |
| 105° | 165 | 250 | 1014 | 1539 | 1436 | 175 |
| 115° | 293 | 356 | 812 | 1620 | 1849 | 290 |
| 125° | 408 | 458 | 739 | 1248 | 1472 | 362 |
| 135° | 486 | 536 | 716 | 1008 | 1142 | 376 |
| 145° | 564 | 600 | 706 | 860 | 927 | 354 |
| 155° | 638 | 656 | 706 | 776 | 798 | 293 |
| 165° | 688 | 697 | 706 | 734 | 743 | 194 |
| 175° | 716 | 716 | 711 | 720 | 720 | 68 |
| 180° | 716 | 716 | 716 | 716 | 716 | |



TEST NUMBER: P938422

CATALOG NUMBER: SQ4-FB-150U-100D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 0° | 316.4 | 316.4 | 316.4 | 316.4 | 316.4 | 316.4 | 316.4 | 316.4 | 316.4 | 316.4 | 316.4 |
| 2.5° | 316.4 | 316.4 | 318.5 | 319.5 | 321.5 | 322.6 | 324.6 | 326.6 | 332.7 | 333.7 | 335.7 |
| 5° | 308.3 | 312.4 | 325.6 | 330.6 | 344.9 | 364.2 | 372.4 | 385.6 | 413.1 | 421.2 | 426.3 |
| 7.5° | 296.1 | 305.2 | 337.8 | 346.0 | 381.5 | 432.4 | 453.8 | 482.3 | 526.0 | 547.4 | 564.6 |
| 10° | 276.7 | 296.1 | 354.0 | 373.4 | 431.4 | 508.7 | 548.4 | 588.0 | 654.2 | 683.7 | 694.9 |
| 12.5° | 255.4 | 286.9 | 371.4 | 397.8 | 481.2 | 594.2 | 642.0 | 685.8 | 761.1 | 800.7 | 806.8 |
| 15° | 230.9 | 273.7 | 387.6 | 426.3 | 534.1 | 665.4 | 718.3 | 772.2 | 842.5 | 870.9 | 878.0 |
| 17.5° | 209.6 | 263.5 | 402.9 | 443.6 | 574.9 | 729.5 | 783.4 | 828.2 | 885.2 | 904.5 | 909.6 |
| 20° | 183.1 | 247.2 | 413.1 | 466.0 | 617.6 | 776.3 | 828.2 | 862.8 | 901.4 | 913.7 | 915.7 |
| 22.5° | 163.8 | 229.9 | 419.2 | 474.1 | 646.0 | 804.8 | 848.5 | 876.0 | 902.4 | 906.5 | 907.5 |
| 25° | 147.5 | 210.6 | 418.2 | 483.3 | 670.5 | 822.1 | 855.6 | 876.0 | 891.3 | 893.3 | 893.3 |
| 27.5° | 132.3 | 189.3 | 414.1 | 485.3 | 688.8 | 826.1 | 852.6 | 866.9 | 874.0 | 878.0 | 878.0 |
| 30° | 119.0 | 168.9 | 403.9 | 481.2 | 696.9 | 822.1 | 843.5 | 850.5 | 857.7 | 863.8 | 866.9 |
| 32.5° | 108.9 | 149.5 | 388.7 | 473.1 | 697.9 | 811.9 | 827.1 | 831.2 | 841.4 | 855.6 | 860.8 |
| 35° | 99.7 | 130.2 | 371.4 | 461.9 | 691.8 | 795.6 | 805.8 | 809.9 | 830.2 | 851.6 | 858.7 |
| 37.5° | 90.6 | 116.0 | 349.0 | 442.6 | 682.7 | 776.3 | 783.4 | 790.6 | 822.1 | 847.5 | 855.6 |
| 40° | 81.4 | 103.8 | 322.6 | 421.2 | 668.4 | 752.9 | 759.0 | 770.2 | 811.9 | 841.4 | 849.5 |
| 42.5° | 74.3 | 93.6 | 294.1 | 398.9 | 650.1 | 726.4 | 735.6 | 751.9 | 799.7 | 831.2 | 840.4 |
| 45° | 68.1 | 83.4 | 263.5 | 368.3 | 626.7 | 699.0 | 712.2 | 734.6 | 785.5 | 816.0 | 824.1 |
| 47.5° | 62.1 | 76.3 | 232.0 | 336.8 | 601.3 | 671.5 | 688.8 | 714.3 | 766.2 | 795.6 | 802.7 |
| 50° | 57.0 | 69.2 | 200.4 | 303.2 | 573.8 | 642.0 | 662.4 | 688.8 | 741.7 | 769.2 | 778.3 |
| 52.5° | 52.9 | 63.1 | 170.9 | 269.7 | 542.3 | 611.5 | 634.9 | 662.4 | 712.2 | 738.7 | 744.7 |
| 55° | 48.8 | 58.0 | 145.5 | 234.0 | 509.7 | 578.9 | 604.4 | 630.8 | 679.7 | 702.0 | 706.1 |
| 57.5° | 46.8 | 53.9 | 124.1 | 200.4 | 475.2 | 542.3 | 570.8 | 595.2 | 640.9 | 658.3 | 662.4 |
| 60° | 43.7 | 50.9 | 107.9 | 171.9 | 437.5 | 507.7 | 532.1 | 556.6 | 595.2 | 609.5 | 612.5 |
| 62.5° | 40.7 | 48.8 | 95.6 | 144.5 | 398.9 | 467.0 | 491.4 | 513.8 | 546.4 | 556.6 | 560.6 |
| 65° | 38.7 | 46.8 | 86.5 | 124.1 | 359.1 | 424.3 | 448.7 | 468.0 | 494.5 | 504.7 | 506.7 |
| 67.5° | 36.7 | 44.7 | 79.4 | 106.8 | 319.5 | 381.5 | 399.9 | 418.2 | 438.5 | 448.7 | 449.7 |
| 70° | 33.6 | 42.7 | 73.2 | 94.6 | 278.7 | 332.7 | 348.0 | 367.3 | 383.5 | 388.7 | 391.7 |
| 72.5° | 31.6 | 39.7 | 69.2 | 85.5 | 237.1 | 285.9 | 300.1 | 311.3 | 325.6 | 330.6 | 330.6 |
| 75° | 28.5 | 35.6 | 65.1 | 76.3 | 194.3 | 234.0 | 246.2 | 257.4 | 268.6 | 270.7 | 267.6 |
| 77.5° | 25.4 | 31.6 | 56.0 | 64.1 | 151.6 | 185.2 | 195.3 | 201.4 | 210.6 | 212.7 | 213.7 |
| 80° | 21.3 | 27.5 | 43.7 | 49.8 | 109.9 | 136.4 | 143.5 | 148.5 | 156.7 | 156.7 | 158.7 |
| 82.5° | 16.2 | 21.3 | 31.6 | 35.6 | 74.3 | 93.6 | 99.7 | 102.8 | 107.9 | 107.9 | 107.9 |
| 85° | 10.2 | 13.2 | 20.3 | 23.4 | 44.7 | 57.0 | 61.1 | 62.1 | 66.1 | 67.1 | 67.1 |
| 87.5° | 5.1 | 7.1 | 13.2 | 14.2 | 23.4 | 29.5 | 29.5 | 31.6 | 31.6 | 30.5 | 29.5 |
| 90° | 4.8 | 8.6 | 12.5 | 13.5 | 21.2 | 31.4 | 36.5 | 32.4 | 24.3 | 18.2 | 18.2 |
| 92.5° | 19.2 | 51.8 | 84.5 | 92.7 | 130.3 | 180.4 | 205.5 | 180.1 | 129.4 | 91.2 | 87.6 |
| 95° | 46.1 | 105.9 | 165.6 | 180.6 | 320.6 | 507.4 | 600.8 | 536.2 | 406.8 | 309.8 | 298.8 |
| 97.5° | 79.7 | 132.4 | 185.2 | 198.4 | 431.9 | 743.4 | 899.1 | 858.2 | 776.4 | 715.1 | 694.2 |
| 100° | 105.6 | 153.5 | 201.3 | 213.2 | 472.4 | 818.0 | 990.8 | 993.8 | 999.8 | 1004.2 | 979.3 |
| 102.5° | 127.7 | 172.4 | 217.0 | 228.2 | 491.0 | 841.5 | 1016.7 | 1068.8 | 1172.9 | 1251.1 | 1229.8 |
| 105° | 165.2 | 203.0 | 240.8 | 250.2 | 504.7 | 844.1 | 1013.8 | 1130.5 | 1364.1 | 1539.2 | 1527.8 |
| 107.5° | 203.7 | 238.9 | 274.1 | 282.9 | 507.4 | 806.6 | 956.2 | 1119.0 | 1444.8 | 1689.1 | 1691.8 |
| 110° | 229.5 | 261.3 | 293.2 | 301.1 | 503.5 | 773.2 | 908.1 | 1090.2 | 1454.4 | 1727.5 | 1739.4 |



TEST NUMBER: P938422

CATALOG NUMBER: SQ4-FB-150U-100D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 112.5° | 255.0 | 285.4 | 315.7 | 323.2 | 503.7 | 744.2 | 864.5 | 1050.8 | 1423.5 | 1703.0 | 1721.3 |
| 115° | 293.4 | 321.4 | 349.3 | 356.4 | 508.3 | 710.9 | 812.1 | 991.6 | 1350.7 | 1619.9 | 1645.4 |
| 117.5° | 331.4 | 356.8 | 382.2 | 388.5 | 517.7 | 690.0 | 776.1 | 938.1 | 1262.1 | 1505.1 | 1533.4 |
| 120° | 353.4 | 377.4 | 401.2 | 407.3 | 525.4 | 682.9 | 761.7 | 909.7 | 1205.7 | 1427.8 | 1455.2 |
| 122.5° | 375.1 | 399.2 | 423.3 | 429.4 | 536.5 | 679.3 | 750.7 | 884.0 | 1150.5 | 1350.5 | 1377.5 |
| 125° | 408.3 | 430.2 | 452.2 | 457.7 | 551.3 | 676.2 | 738.7 | 851.9 | 1078.3 | 1248.2 | 1273.1 |
| 127.5° | 435.1 | 457.3 | 479.5 | 485.0 | 566.2 | 674.4 | 728.6 | 825.8 | 1020.2 | 1166.1 | 1187.1 |
| 130° | 449.5 | 473.4 | 497.3 | 503.3 | 577.1 | 675.5 | 724.7 | 811.3 | 984.4 | 1114.2 | 1133.6 |
| 132.5° | 464.4 | 488.3 | 512.2 | 518.2 | 585.9 | 676.2 | 721.3 | 798.8 | 953.8 | 1070.0 | 1087.4 |
| 135° | 486.5 | 508.3 | 530.0 | 535.5 | 595.5 | 675.5 | 715.6 | 780.5 | 910.2 | 1007.5 | 1022.6 |
| 137.5° | 509.0 | 530.6 | 552.2 | 557.6 | 609.9 | 679.8 | 714.6 | 769.5 | 879.2 | 961.5 | 973.7 |
| 140° | 527.8 | 547.7 | 567.6 | 572.5 | 618.8 | 680.4 | 711.2 | 758.6 | 853.4 | 924.5 | 935.9 |
| 142.5° | 542.2 | 560.6 | 578.9 | 583.5 | 626.1 | 682.8 | 711.2 | 752.9 | 836.1 | 898.6 | 908.4 |
| 145° | 564.3 | 580.3 | 596.3 | 600.3 | 635.7 | 682.9 | 706.5 | 740.5 | 808.6 | 859.6 | 867.1 |
| 147.5° | 586.4 | 602.0 | 617.5 | 621.5 | 649.8 | 687.6 | 706.5 | 733.3 | 786.8 | 827.0 | 833.1 |
| 150° | 600.8 | 614.9 | 628.9 | 632.5 | 657.1 | 690.0 | 706.5 | 729.1 | 774.3 | 808.3 | 813.3 |
| 152.5° | 615.7 | 626.4 | 637.0 | 639.7 | 662.0 | 691.6 | 706.5 | 725.8 | 764.5 | 793.4 | 797.2 |
| 155° | 637.8 | 645.7 | 653.6 | 655.6 | 672.5 | 695.2 | 706.5 | 721.9 | 752.6 | 775.6 | 778.2 |
| 157.5° | 654.1 | 661.8 | 669.4 | 671.4 | 683.1 | 698.7 | 706.5 | 718.4 | 742.3 | 760.2 | 762.0 |
| 160° | 665.1 | 671.1 | 677.1 | 678.6 | 687.9 | 700.3 | 706.5 | 716.7 | 737.2 | 752.5 | 753.5 |
| 162.5° | 676.2 | 680.7 | 685.1 | 686.3 | 693.0 | 702.0 | 706.5 | 715.1 | 732.4 | 745.4 | 746.3 |
| 165° | 688.2 | 692.2 | 696.3 | 697.3 | 700.4 | 704.5 | 706.5 | 712.6 | 725.0 | 734.3 | 735.3 |
| 167.5° | 699.2 | 701.2 | 703.1 | 703.5 | 706.1 | 709.6 | 711.2 | 715.3 | 723.4 | 729.5 | 730.0 |
| 170° | 706.5 | 708.4 | 710.3 | 710.8 | 710.9 | 711.2 | 711.2 | 715.3 | 723.4 | 729.5 | 729.5 |
| 172.5° | 710.3 | 710.7 | 711.2 | 711.2 | 711.2 | 711.2 | 711.2 | 714.5 | 720.9 | 725.6 | 725.3 |
| 175° | 715.6 | 715.6 | 715.6 | 715.6 | 714.1 | 712.2 | 711.2 | 713.3 | 717.3 | 720.4 | 720.4 |
| 177.5° | 715.6 | 715.6 | 715.6 | 715.6 | 714.5 | 713.0 | 712.2 | 713.9 | 717.0 | 719.4 | 718.9 |
| 180° | 715.6 | 715.6 | 715.6 | 715.6 | 715.6 | 715.6 | 715.6 | 715.6 | 715.6 | 715.6 | 715.6 |



TEST NUMBER: P938422

CATALOG NUMBER: SQ4-FB-150U-100D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 316.4 | 316.4 |
| 2.5° | 337.8 | 335.7 |
| 5° | 434.4 | 436.5 |
| 7.5° | 585.0 | 584.0 |
| 10° | 727.5 | 736.6 |
| 12.5° | 831.2 | 833.3 |
| 15° | 894.4 | 898.4 |
| 17.5° | 918.8 | 919.8 |
| 20° | 919.8 | 917.7 |
| 22.5° | 908.6 | 906.5 |
| 25° | 895.4 | 894.4 |
| 27.5° | 883.1 | 884.1 |
| 30° | 878.0 | 881.1 |
| 32.5° | 878.0 | 883.1 |
| 35° | 880.1 | 885.2 |
| 37.5° | 879.0 | 885.2 |
| 40° | 875.0 | 882.1 |
| 42.5° | 863.8 | 868.9 |
| 45° | 846.5 | 852.6 |
| 47.5° | 824.1 | 828.2 |
| 50° | 795.6 | 799.7 |
| 52.5° | 760.0 | 761.1 |
| 55° | 717.3 | 721.3 |
| 57.5° | 671.5 | 672.5 |
| 60° | 620.6 | 623.7 |
| 62.5° | 566.7 | 566.7 |
| 65° | 509.7 | 511.7 |
| 67.5° | 450.8 | 455.8 |
| 70° | 390.7 | 391.7 |
| 72.5° | 331.7 | 331.7 |
| 75° | 270.7 | 271.7 |
| 77.5° | 212.7 | 212.7 |
| 80° | 157.7 | 158.7 |
| 82.5° | 108.9 | 110.9 |
| 85° | 68.1 | 68.1 |
| 87.5° | 31.6 | 28.5 |
| 90° | 18.2 | 18.2 |
| 92.5° | 73.1 | 58.6 |
| 95° | 254.8 | 210.8 |
| 97.5° | 610.5 | 526.8 |
| 100° | 879.6 | 779.9 |
| 102.5° | 1144.4 | 1059.0 |
| 105° | 1481.9 | 1436.0 |
| 107.5° | 1702.9 | 1714.0 |
| 110° | 1787.2 | 1835.1 |



TEST NUMBER: P938422

CATALOG NUMBER: SQ4-FB-150U-100D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 1794.8 | 1868.2 |
| 115° | 1747.2 | 1849.0 |
| 117.5° | 1646.3 | 1759.1 |
| 120° | 1564.9 | 1674.7 |
| 122.5° | 1485.8 | 1594.0 |
| 125° | 1372.8 | 1472.5 |
| 127.5° | 1271.2 | 1355.3 |
| 130° | 1211.3 | 1289.0 |
| 132.5° | 1156.9 | 1226.5 |
| 135° | 1082.5 | 1142.5 |
| 137.5° | 1022.9 | 1071.9 |
| 140° | 981.8 | 1027.7 |
| 142.5° | 947.9 | 987.4 |
| 145° | 897.0 | 926.9 |
| 147.5° | 857.9 | 882.7 |
| 150° | 833.4 | 853.4 |
| 152.5° | 812.4 | 827.4 |
| 155° | 788.2 | 798.2 |
| 157.5° | 769.0 | 776.1 |
| 160° | 757.6 | 761.7 |
| 162.5° | 750.1 | 754.0 |
| 165° | 739.4 | 743.4 |
| 167.5° | 731.7 | 733.3 |
| 170° | 729.5 | 729.5 |
| 172.5° | 723.8 | 722.3 |
| 175° | 720.4 | 720.4 |
| 177.5° | 717.3 | 715.6 |
| 180° | 715.6 | 715.6 |



TEST NUMBER: P938422
 CATALOG NUMBER: SQ4-FB-150U-100D-927-1D-UNV-STD-W-4

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 | 3.12 | 3.89 | 4.20 | 4.96 | 6.44 | 16.26 | 17.03 | 17.34 | 18.10 | 19.58 |
| | 3H | 3.82 | 4.51 | 4.90 | 5.59 | 7.08 | 18.08 | 18.76 | 19.16 | 19.85 | 21.34 |
| | 4H | 4.12 | 4.77 | 5.21 | 5.85 | 7.35 | 18.71 | 19.36 | 19.80 | 20.45 | 21.95 |
| | 6H | 4.36 | 4.96 | 5.46 | 6.05 | 7.56 | 19.12 | 19.72 | 20.23 | 20.81 | 22.32 |
| | 8H | 4.43 | 5.00 | 5.53 | 6.10 | 7.61 | 19.24 | 19.81 | 20.34 | 20.91 | 22.42 |
| | 12H | 4.44 | 4.98 | 5.55 | 6.08 | 7.61 | 19.29 | 19.83 | 20.40 | 20.94 | 22.46 |
| 4H | 2H | 10.30 | 10.95 | 11.40 | 12.04 | 13.54 | 16.53 | 17.18 | 17.63 | 18.27 | 19.76 |
| | 3H | 11.86 | 12.41 | 12.97 | 13.52 | 15.03 | 18.55 | 19.09 | 19.66 | 20.21 | 21.72 |
| | 4H | 11.95 | 12.45 | 13.07 | 13.56 | 15.09 | 19.30 | 19.80 | 20.41 | 20.91 | 22.44 |
| | 6H | 11.96 | 12.39 | 13.08 | 13.52 | 15.04 | 19.82 | 20.25 | 20.94 | 21.38 | 22.90 |
| | 8H | 11.93 | 12.34 | 13.05 | 13.45 | 14.99 | 19.97 | 20.38 | 21.09 | 21.50 | 23.03 |
| | 12H | 11.89 | 12.25 | 13.02 | 13.38 | 14.93 | 20.06 | 20.42 | 21.19 | 21.55 | 23.10 |
| 8H | 4H | 13.38 | 13.78 | 14.50 | 14.90 | 16.44 | 19.35 | 19.75 | 20.47 | 20.87 | 22.41 |
| | 6H | 13.62 | 13.95 | 14.76 | 15.11 | 16.65 | 19.97 | 20.30 | 21.11 | 21.46 | 23.00 |
| | 8H | 13.64 | 13.93 | 14.78 | 15.07 | 16.62 | 20.18 | 20.47 | 21.32 | 21.61 | 23.17 |
| | 12H | 13.60 | 13.85 | 14.75 | 14.99 | 16.58 | 20.31 | 20.56 | 21.46 | 21.70 | 23.29 |
| 12H | 4H | 13.52 | 13.88 | 14.65 | 15.01 | 16.56 | 19.30 | 19.67 | 20.44 | 20.80 | 22.34 |
| | 6H | 13.87 | 14.16 | 15.02 | 15.30 | 16.86 | 19.95 | 20.24 | 21.10 | 21.38 | 22.94 |
| | 8H | 13.94 | 14.19 | 15.09 | 15.33 | 16.92 | 20.17 | 20.42 | 21.32 | 21.56 | 23.15 |