

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: P937811

Luminaire Tested: SQ4-FB-125U-050D-830-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P937811
REPORT IS A COMBINATION OF REPORTS P933605 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-125U-050D-830-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

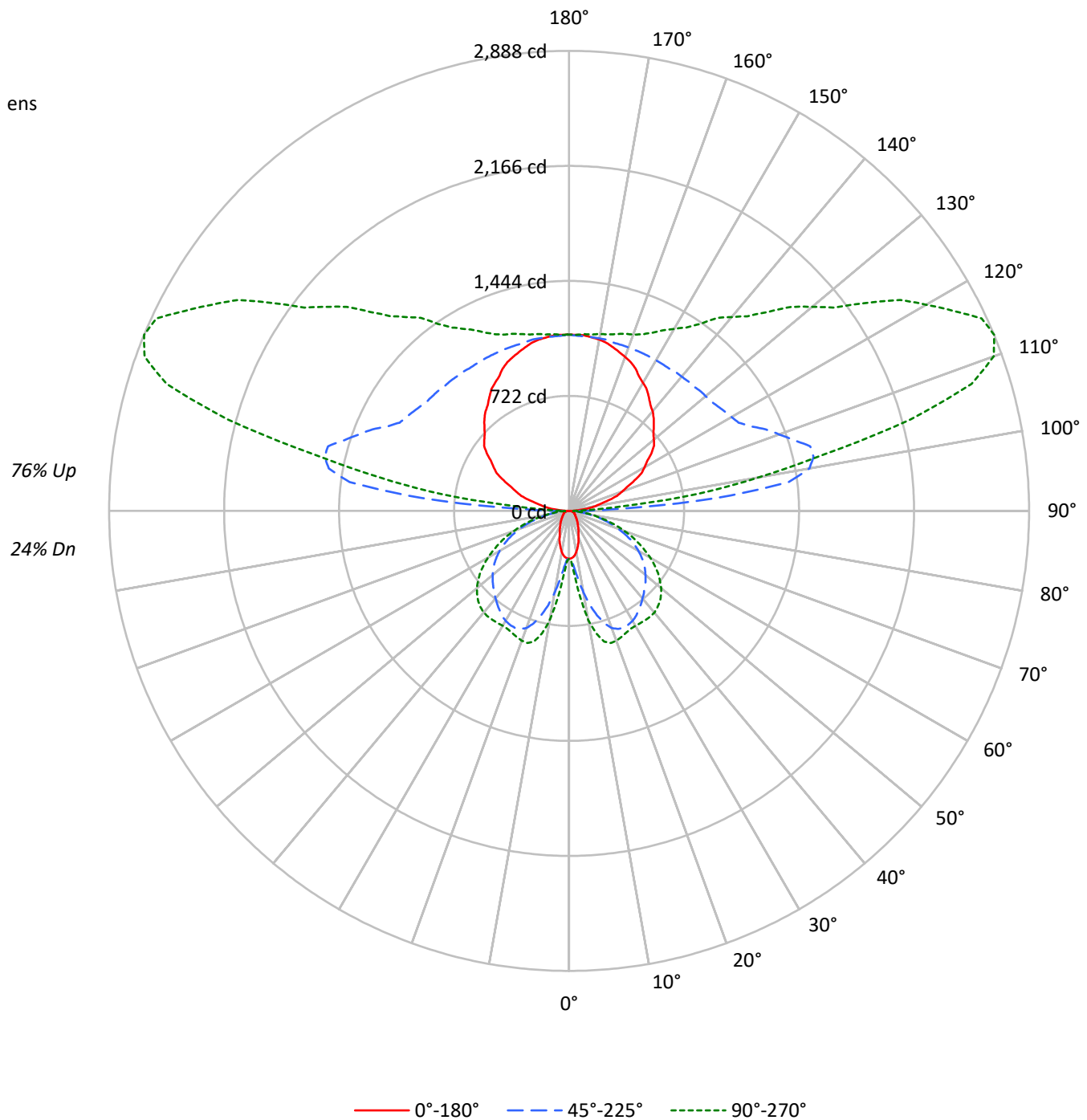
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9489.2 lumens
Efficiency: N/A
Efficacy: 132.9 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): 71.4
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: P937811
CATALOG NUMBER: SQ4-FB-125U-050D-830-1D-UNV-STD-W-6

Luminous Intensity Polar Plot





TEST NUMBER: P937811

CATALOG NUMBER: SQ4-FB-125U-050D-830-1D-UNV-STD-W-6

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 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 | 101 | 101 | 101 | 101 | 90 | 90 | 90 | 90 | 69 | 69 | 69 | 50 | 50 | 50 | 33 | 33 | 33 | 24 | | | | 24 |
| 1 | 92 | 88 | 84 | 80 | 81 | 78 | 75 | 72 | 60 | 58 | 56 | 44 | 42 | 41 | 28 | 28 | 27 | 20 | | | | 20 |
| 2 | 83 | 76 | 70 | 65 | 74 | 68 | 63 | 58 | 52 | 49 | 46 | 38 | 36 | 34 | 25 | 23 | 22 | 16 | | | | 16 |
| 3 | 76 | 66 | 59 | 54 | 67 | 59 | 53 | 48 | 46 | 42 | 38 | 33 | 30 | 28 | 21 | 20 | 19 | 13 | | | | 13 |
| 4 | 69 | 58 | 51 | 45 | 61 | 52 | 46 | 41 | 40 | 36 | 32 | 29 | 26 | 24 | 19 | 17 | 16 | 11 | | | | 11 |
| 5 | 63 | 52 | 44 | 38 | 56 | 46 | 39 | 34 | 36 | 31 | 27 | 26 | 23 | 20 | 17 | 15 | 13 | 10 | | | | 10 |
| 6 | 58 | 46 | 38 | 33 | 51 | 41 | 34 | 29 | 32 | 27 | 23 | 23 | 20 | 17 | 15 | 13 | 12 | 8 | | | | 8 |
| 7 | 53 | 41 | 34 | 28 | 47 | 37 | 30 | 26 | 29 | 24 | 20 | 21 | 18 | 15 | 14 | 12 | 10 | 7 | | | | 7 |
| 8 | 49 | 37 | 30 | 25 | 44 | 33 | 27 | 22 | 26 | 21 | 18 | 19 | 16 | 13 | 12 | 10 | 9 | 6 | | | | 6 |
| 9 | 46 | 34 | 27 | 22 | 40 | 30 | 24 | 20 | 24 | 19 | 16 | 17 | 14 | 12 | 11 | 9 | 8 | 6 | | | | 6 |
| 10 | 42 | 31 | 24 | 19 | 38 | 28 | 21 | 17 | 22 | 17 | 14 | 16 | 13 | 10 | 10 | 9 | 7 | 5 | | | | 5 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 1850 | 1850 | 1850 |
| 5° | 1807 | 2137 | 2487 |
| 10° | 1638 | 3115 | 4123 |
| 15° | 1392 | 4069 | 4978 |
| 20° | 1133 | 4715 | 5073 |
| 25° | 945 | 4932 | 4971 |
| 30° | 796 | 4962 | 4961 |
| 35° | 704 | 4878 | 5089 |
| 40° | 613 | 4770 | 5222 |
| 45° | 554 | 4690 | 5242 |
| 50° | 508 | 4618 | 5155 |
| 55° | 487 | 4513 | 4927 |
| 60° | 498 | 4314 | 4566 |
| 65° | 516 | 4010 | 4069 |
| 70° | 548 | 3495 | 3439 |
| 75° | 608 | 2846 | 2684 |
| 80° | 657 | 1972 | 1808 |
| 85° | 578 | 1044 | 925 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 5242 cd/sqm



TEST NUMBER: P937811

CATALOG NUMBER: SQ4-FB-125U-050D-830-1D-UNV-STD-W-6

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 38.7 | 0.4 |
| 10°-20° | 171.5 | 1.8 |
| 20°-30° | 299.9 | 3.2 |
| 30°-40° | 386.1 | 4.1 |
| 40°-50° | 431.2 | 4.5 |
| 50°-60° | 413.0 | 4.4 |
| 60°-70° | 327.3 | 3.4 |
| 70°-80° | 192.5 | 2.0 |
| 80°-90° | 57.7 | 0.6 |
| 90°-100° | 539.3 | 5.7 |
| 100°-110° | 1417.7 | 14.9 |
| 110°-120° | 1470.0 | 15.5 |
| 120°-130° | 1179.1 | 12.4 |
| 130°-140° | 925.2 | 9.7 |
| 140°-150° | 710.1 | 7.5 |
| 150°-160° | 511.4 | 5.4 |
| 160°-170° | 312.9 | 3.3 |
| 170°-180° | 105.7 | 1.1 |
| 0°-30° | 510.0 | 5.4 |
| 0°-40° | 896.1 | 9.4 |
| 0°-60° | 1740.3 | 18.3 |
| 0°-90° | 2317.7 | 24.4 |
| 90°-120° | 3427.0 | 36.1 |
| 90°-150° | 6241.4 | 65.8 |
| 90°-180° | 7171.0 | 75.6 |
| 0°-180° | 9489.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 299 | 299 | 299 | 299 | 299 | |
| 5° | 291 | 312 | 352 | 398 | 412 | 27 |
| 15° | 218 | 403 | 679 | 823 | 849 | 61 |
| 25° | 140 | 457 | 809 | 844 | 845 | 64 |
| 35° | 94 | 437 | 762 | 805 | 837 | 59 |
| 45° | 64 | 348 | 673 | 771 | 806 | 50 |
| 55° | 46 | 221 | 571 | 664 | 682 | 42 |
| 65° | 36 | 117 | 424 | 477 | 484 | 36 |
| 75° | 27 | 72 | 233 | 256 | 257 | 28 |
| 85° | 10 | 22 | 58 | 64 | 64 | 10 |
| 90° | 8 | 21 | 56 | 28 | 28 | 7 |
| 95° | 71 | 279 | 929 | 479 | 326 | 79 |
| 105° | 255 | 387 | 1567 | 2380 | 2220 | 271 |
| 115° | 454 | 551 | 1256 | 2504 | 2858 | 448 |
| 125° | 631 | 708 | 1142 | 1930 | 2276 | 560 |
| 135° | 752 | 828 | 1106 | 1558 | 1766 | 582 |
| 145° | 872 | 928 | 1092 | 1329 | 1433 | 547 |
| 155° | 986 | 1014 | 1092 | 1199 | 1234 | 453 |
| 165° | 1064 | 1078 | 1092 | 1135 | 1149 | 300 |
| 175° | 1106 | 1106 | 1100 | 1114 | 1114 | 105 |
| 180° | 1106 | 1106 | 1106 | 1106 | 1106 | |



TEST NUMBER: P937811

CATALOG NUMBER: SQ4-FB-125U-050D-830-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0° | 299.0 | 299.0 | 299.0 | 299.0 | 299.0 | 299.0 | 299.0 | 299.0 | 299.0 | 299.0 | 299.0 |
| 2.5° | 299.0 | 299.0 | 300.9 | 301.9 | 303.9 | 304.9 | 306.8 | 308.7 | 314.4 | 315.4 | 317.3 |
| 5° | 291.4 | 295.2 | 307.7 | 312.5 | 326.0 | 344.3 | 351.9 | 364.4 | 390.4 | 398.1 | 403.0 |
| 7.5° | 279.8 | 288.5 | 319.2 | 327.0 | 360.6 | 408.7 | 428.9 | 455.8 | 497.1 | 517.4 | 533.7 |
| 10° | 261.6 | 279.8 | 334.6 | 353.0 | 407.7 | 480.8 | 518.3 | 555.8 | 618.3 | 646.2 | 656.8 |
| 12.5° | 241.4 | 271.2 | 350.9 | 376.0 | 454.9 | 561.6 | 606.8 | 648.2 | 719.3 | 756.8 | 762.5 |
| 15° | 218.3 | 258.7 | 366.3 | 403.0 | 504.9 | 628.9 | 678.9 | 729.9 | 796.3 | 823.1 | 829.9 |
| 17.5° | 198.1 | 249.0 | 380.8 | 419.3 | 543.3 | 689.5 | 740.4 | 782.8 | 836.6 | 854.9 | 859.6 |
| 20° | 173.1 | 233.6 | 390.4 | 440.4 | 583.7 | 733.7 | 782.8 | 815.5 | 852.0 | 863.6 | 865.5 |
| 22.5° | 154.8 | 217.3 | 396.2 | 448.1 | 610.6 | 760.6 | 802.0 | 827.9 | 852.9 | 856.8 | 857.7 |
| 25° | 139.5 | 199.0 | 395.2 | 456.8 | 633.7 | 776.9 | 808.7 | 827.9 | 842.3 | 844.2 | 844.2 |
| 27.5° | 125.0 | 178.9 | 391.4 | 458.7 | 651.0 | 780.9 | 805.8 | 819.3 | 826.0 | 829.9 | 829.9 |
| 30° | 112.5 | 159.7 | 381.7 | 454.9 | 658.7 | 776.9 | 797.2 | 803.9 | 810.6 | 816.4 | 819.3 |
| 32.5° | 102.9 | 141.4 | 367.3 | 447.1 | 659.6 | 767.4 | 781.8 | 785.6 | 795.2 | 808.7 | 813.6 |
| 35° | 94.3 | 123.1 | 350.9 | 436.6 | 653.9 | 752.0 | 761.5 | 765.5 | 784.7 | 804.9 | 811.5 |
| 37.5° | 85.6 | 109.7 | 329.8 | 418.3 | 645.2 | 733.7 | 740.4 | 747.2 | 776.9 | 801.0 | 808.7 |
| 40° | 77.0 | 98.1 | 304.9 | 398.1 | 631.8 | 711.6 | 717.4 | 727.9 | 767.4 | 795.2 | 802.9 |
| 42.5° | 70.2 | 88.4 | 277.9 | 377.0 | 614.4 | 686.6 | 695.2 | 710.6 | 755.8 | 785.6 | 794.2 |
| 45° | 64.4 | 78.9 | 249.0 | 348.1 | 592.3 | 660.6 | 673.1 | 694.2 | 742.3 | 771.2 | 778.9 |
| 47.5° | 58.7 | 72.1 | 219.2 | 318.3 | 568.3 | 634.7 | 651.0 | 675.0 | 724.1 | 752.0 | 758.7 |
| 50° | 53.8 | 65.4 | 189.5 | 286.5 | 542.3 | 606.8 | 626.0 | 651.0 | 701.0 | 726.9 | 735.6 |
| 52.5° | 50.0 | 59.7 | 161.6 | 254.9 | 512.5 | 577.9 | 600.1 | 626.0 | 673.1 | 698.2 | 703.9 |
| 55° | 46.2 | 54.8 | 137.5 | 221.1 | 481.7 | 547.1 | 571.2 | 596.2 | 642.3 | 663.5 | 667.4 |
| 57.5° | 44.3 | 51.0 | 117.3 | 189.5 | 449.0 | 512.5 | 539.5 | 562.5 | 605.8 | 622.2 | 626.0 |
| 60° | 41.4 | 48.1 | 101.9 | 162.5 | 413.5 | 479.8 | 503.0 | 526.0 | 562.5 | 576.0 | 578.9 |
| 62.5° | 38.4 | 46.2 | 90.4 | 136.5 | 377.0 | 441.4 | 464.4 | 485.6 | 516.3 | 526.0 | 529.8 |
| 65° | 36.5 | 44.3 | 81.7 | 117.3 | 339.5 | 400.9 | 424.1 | 442.3 | 467.3 | 476.9 | 478.9 |
| 67.5° | 34.6 | 42.4 | 75.0 | 101.0 | 301.9 | 360.6 | 377.9 | 395.2 | 414.4 | 424.1 | 425.0 |
| 70° | 31.7 | 40.3 | 69.2 | 89.4 | 263.5 | 314.4 | 328.9 | 347.1 | 362.5 | 367.3 | 370.3 |
| 72.5° | 29.8 | 37.5 | 65.4 | 80.8 | 224.1 | 270.2 | 283.6 | 294.3 | 307.7 | 312.5 | 312.5 |
| 75° | 27.0 | 33.7 | 61.6 | 72.1 | 183.6 | 221.1 | 232.7 | 243.3 | 253.8 | 255.8 | 252.9 |
| 77.5° | 24.0 | 29.8 | 52.9 | 60.6 | 143.3 | 175.0 | 184.6 | 190.4 | 199.0 | 201.0 | 201.9 |
| 80° | 20.2 | 26.0 | 41.4 | 47.1 | 103.8 | 128.9 | 135.6 | 140.4 | 148.1 | 148.1 | 150.0 |
| 82.5° | 15.4 | 20.2 | 29.8 | 33.7 | 70.2 | 88.4 | 94.3 | 97.1 | 101.9 | 101.9 | 101.9 |
| 85° | 9.7 | 12.5 | 19.2 | 22.1 | 42.4 | 53.8 | 57.7 | 58.7 | 62.5 | 63.5 | 63.5 |
| 87.5° | 4.8 | 6.7 | 12.5 | 13.5 | 22.1 | 27.9 | 27.9 | 29.8 | 29.8 | 28.9 | 27.9 |
| 90° | 7.5 | 13.4 | 19.3 | 20.7 | 32.6 | 48.5 | 56.4 | 50.1 | 37.6 | 28.2 | 28.2 |
| 92.5° | 29.7 | 80.2 | 130.7 | 143.3 | 201.4 | 279.0 | 317.8 | 278.5 | 200.0 | 141.1 | 135.5 |
| 95° | 71.3 | 163.7 | 256.0 | 279.2 | 495.7 | 784.5 | 928.8 | 828.9 | 628.9 | 478.9 | 461.8 |
| 97.5° | 123.2 | 204.7 | 286.2 | 306.6 | 667.7 | 1149.2 | 1389.9 | 1326.7 | 1200.4 | 1105.5 | 1073.2 |
| 100° | 163.4 | 237.3 | 311.2 | 329.6 | 730.3 | 1264.6 | 1531.7 | 1536.3 | 1545.6 | 1552.4 | 1513.9 |
| 102.5° | 197.5 | 266.4 | 335.5 | 352.7 | 759.1 | 1300.8 | 1571.8 | 1652.3 | 1813.3 | 1934.1 | 1901.1 |
| 105° | 255.4 | 313.9 | 372.2 | 386.8 | 780.3 | 1305.0 | 1567.4 | 1747.9 | 2108.8 | 2379.6 | 2361.8 |
| 107.5° | 314.8 | 369.2 | 423.7 | 437.3 | 784.3 | 1246.9 | 1478.3 | 1730.1 | 2233.6 | 2611.2 | 2615.5 |
| 110° | 354.9 | 404.0 | 453.1 | 465.5 | 778.3 | 1195.4 | 1404.0 | 1685.4 | 2248.4 | 2670.7 | 2689.1 |



TEST NUMBER: P937811

CATALOG NUMBER: SQ4-FB-125U-050D-830-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 394.3 | 441.1 | 487.9 | 499.7 | 778.6 | 1150.5 | 1336.4 | 1624.4 | 2200.6 | 2632.7 | 2661.1 |
| 115° | 453.6 | 496.8 | 540.1 | 550.9 | 785.8 | 1098.9 | 1255.5 | 1533.0 | 2088.1 | 2504.3 | 2543.7 |
| 117.5° | 512.3 | 551.6 | 590.8 | 600.7 | 800.4 | 1066.6 | 1199.8 | 1450.3 | 1951.2 | 2326.9 | 2370.5 |
| 120° | 546.4 | 583.4 | 620.3 | 629.6 | 812.2 | 1055.7 | 1177.5 | 1406.4 | 1864.0 | 2207.3 | 2249.8 |
| 122.5° | 579.9 | 617.2 | 654.5 | 663.8 | 829.3 | 1050.1 | 1160.5 | 1366.6 | 1778.7 | 2087.8 | 2129.6 |
| 125° | 631.1 | 665.1 | 699.0 | 707.5 | 852.4 | 1045.4 | 1141.9 | 1317.0 | 1667.1 | 1929.7 | 1968.2 |
| 127.5° | 672.6 | 707.0 | 741.3 | 749.9 | 875.4 | 1042.7 | 1126.4 | 1276.6 | 1577.3 | 1802.7 | 1835.2 |
| 130° | 694.9 | 731.9 | 768.8 | 778.1 | 892.1 | 1044.2 | 1120.3 | 1254.2 | 1521.8 | 1722.5 | 1752.5 |
| 132.5° | 718.0 | 755.0 | 791.9 | 801.1 | 905.8 | 1045.4 | 1115.2 | 1235.0 | 1474.5 | 1654.2 | 1681.0 |
| 135° | 752.1 | 785.7 | 819.4 | 827.8 | 920.6 | 1044.4 | 1106.3 | 1206.6 | 1407.2 | 1557.7 | 1580.8 |
| 137.5° | 787.0 | 820.3 | 853.7 | 862.0 | 942.9 | 1050.8 | 1104.8 | 1189.6 | 1359.1 | 1486.4 | 1505.3 |
| 140° | 815.9 | 846.6 | 877.3 | 885.0 | 956.5 | 1051.9 | 1099.6 | 1172.8 | 1319.4 | 1429.2 | 1447.0 |
| 142.5° | 838.2 | 866.6 | 895.0 | 902.1 | 968.0 | 1055.7 | 1099.6 | 1163.9 | 1292.6 | 1389.2 | 1404.5 |
| 145° | 872.4 | 897.1 | 921.9 | 928.1 | 982.8 | 1055.7 | 1092.1 | 1144.8 | 1250.1 | 1329.0 | 1340.6 |
| 147.5° | 906.6 | 930.7 | 954.8 | 960.8 | 1004.6 | 1063.0 | 1092.1 | 1133.5 | 1216.4 | 1278.6 | 1288.1 |
| 150° | 928.8 | 950.6 | 972.3 | 977.8 | 1015.9 | 1066.7 | 1092.1 | 1127.1 | 1197.1 | 1249.6 | 1257.3 |
| 152.5° | 951.8 | 968.3 | 984.9 | 989.0 | 1023.4 | 1069.2 | 1092.1 | 1122.0 | 1181.7 | 1226.5 | 1232.4 |
| 155° | 986.0 | 998.3 | 1010.4 | 1013.5 | 1039.6 | 1074.6 | 1092.1 | 1115.9 | 1163.5 | 1199.1 | 1203.0 |
| 157.5° | 1011.3 | 1023.1 | 1035.0 | 1037.9 | 1056.0 | 1080.1 | 1092.1 | 1110.6 | 1147.6 | 1175.3 | 1178.0 |
| 160° | 1028.3 | 1037.5 | 1046.8 | 1049.1 | 1063.5 | 1082.6 | 1092.1 | 1108.0 | 1139.6 | 1163.5 | 1165.0 |
| 162.5° | 1045.4 | 1052.3 | 1059.2 | 1061.0 | 1071.4 | 1085.3 | 1092.1 | 1105.5 | 1132.2 | 1152.3 | 1153.8 |
| 165° | 1063.9 | 1070.2 | 1076.6 | 1078.1 | 1082.8 | 1089.0 | 1092.1 | 1101.7 | 1120.9 | 1135.2 | 1136.8 |
| 167.5° | 1081.0 | 1084.0 | 1087.0 | 1087.7 | 1091.7 | 1096.9 | 1099.6 | 1105.9 | 1118.4 | 1127.8 | 1128.5 |
| 170° | 1092.1 | 1095.1 | 1098.1 | 1098.8 | 1099.1 | 1099.4 | 1099.6 | 1105.9 | 1118.4 | 1127.8 | 1127.8 |
| 172.5° | 1098.1 | 1098.7 | 1099.4 | 1099.6 | 1099.6 | 1099.6 | 1099.6 | 1104.6 | 1114.4 | 1121.9 | 1121.3 |
| 175° | 1106.3 | 1106.3 | 1106.3 | 1106.3 | 1104.1 | 1101.1 | 1099.6 | 1102.7 | 1109.1 | 1113.7 | 1113.7 |
| 177.5° | 1106.3 | 1106.3 | 1106.3 | 1106.3 | 1104.6 | 1102.2 | 1101.0 | 1103.5 | 1108.5 | 1112.2 | 1111.5 |
| 180° | 1106.3 | 1106.3 | 1106.3 | 1106.3 | 1106.3 | 1106.3 | 1106.3 | 1106.3 | 1106.3 | 1106.3 | 1106.3 |



TEST NUMBER: P937811

CATALOG NUMBER: SQ4-FB-125U-050D-830-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 299.0 | 299.0 |
| 2.5° | 319.2 | 317.3 |
| 5° | 410.6 | 412.5 |
| 7.5° | 553.0 | 552.0 |
| 10° | 687.6 | 696.2 |
| 12.5° | 785.6 | 787.6 |
| 15° | 845.3 | 849.1 |
| 17.5° | 868.3 | 869.3 |
| 20° | 869.3 | 867.4 |
| 22.5° | 858.7 | 856.8 |
| 25° | 846.3 | 845.3 |
| 27.5° | 834.7 | 835.6 |
| 30° | 829.9 | 832.8 |
| 32.5° | 829.9 | 834.7 |
| 35° | 831.8 | 836.6 |
| 37.5° | 830.9 | 836.6 |
| 40° | 826.9 | 833.7 |
| 42.5° | 816.4 | 821.2 |
| 45° | 800.1 | 805.8 |
| 47.5° | 778.9 | 782.8 |
| 50° | 752.0 | 755.8 |
| 52.5° | 718.3 | 719.3 |
| 55° | 677.9 | 681.8 |
| 57.5° | 634.7 | 635.6 |
| 60° | 586.6 | 589.5 |
| 62.5° | 535.6 | 535.6 |
| 65° | 481.7 | 483.6 |
| 67.5° | 426.0 | 430.8 |
| 70° | 369.3 | 370.3 |
| 72.5° | 313.5 | 313.5 |
| 75° | 255.8 | 256.8 |
| 77.5° | 201.0 | 201.0 |
| 80° | 149.0 | 150.0 |
| 82.5° | 102.9 | 104.8 |
| 85° | 64.4 | 64.4 |
| 87.5° | 29.8 | 27.0 |
| 90° | 28.2 | 28.2 |
| 92.5° | 113.0 | 90.5 |
| 95° | 393.9 | 325.9 |
| 97.5° | 943.9 | 814.5 |
| 100° | 1359.9 | 1205.8 |
| 102.5° | 1769.1 | 1637.1 |
| 105° | 2290.9 | 2219.9 |
| 107.5° | 2632.6 | 2649.8 |
| 110° | 2763.0 | 2836.9 |



TEST NUMBER: P937811

CATALOG NUMBER: SQ4-FB-125U-050D-830-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 2774.6 | 2888.2 |
| 115° | 2701.1 | 2858.4 |
| 117.5° | 2545.1 | 2719.6 |
| 120° | 2419.3 | 2588.9 |
| 122.5° | 2296.9 | 2464.2 |
| 125° | 2122.3 | 2276.4 |
| 127.5° | 1965.2 | 2095.3 |
| 130° | 1872.7 | 1992.8 |
| 132.5° | 1788.7 | 1896.2 |
| 135° | 1673.6 | 1766.3 |
| 137.5° | 1581.2 | 1657.1 |
| 140° | 1517.9 | 1588.9 |
| 142.5° | 1465.5 | 1526.5 |
| 145° | 1386.8 | 1432.9 |
| 147.5° | 1326.4 | 1364.7 |
| 150° | 1288.4 | 1319.4 |
| 152.5° | 1255.8 | 1279.2 |
| 155° | 1218.5 | 1234.0 |
| 157.5° | 1188.9 | 1199.8 |
| 160° | 1171.3 | 1177.5 |
| 162.5° | 1159.7 | 1165.7 |
| 165° | 1143.1 | 1149.3 |
| 167.5° | 1131.0 | 1133.7 |
| 170° | 1127.8 | 1127.8 |
| 172.5° | 1119.0 | 1116.7 |
| 175° | 1113.7 | 1113.7 |
| 177.5° | 1109.0 | 1106.3 |
| 180° | 1106.3 | 1106.3 |



TEST NUMBER: P937811
 CATALOG NUMBER: SQ4-FB-125U-050D-830-1D-UNV-STD-W-6

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 | 0.12 | 0.81 | 1.27 | 1.95 | 3.54 | 13.29 | 13.98 | 14.43 | 15.11 | 16.71 |
| | 3H | 0.82 | 1.43 | 1.97 | 2.58 | 4.18 | 15.11 | 15.72 | 16.26 | 16.87 | 18.48 |
| | 4H | 1.11 | 1.69 | 2.27 | 2.84 | 4.45 | 15.74 | 16.33 | 16.90 | 17.47 | 19.09 |
| | 6H | 1.35 | 1.89 | 2.52 | 3.03 | 4.66 | 16.16 | 16.70 | 17.33 | 17.85 | 19.47 |
| | 8H | 1.41 | 1.92 | 2.58 | 3.09 | 4.70 | 16.27 | 16.79 | 17.44 | 17.95 | 19.57 |
| | 12H | 1.42 | 1.91 | 2.60 | 3.07 | 4.70 | 16.33 | 16.82 | 17.51 | 17.98 | 19.62 |
| 4H | 2H | 7.31 | 7.89 | 8.48 | 9.04 | 10.65 | 13.54 | 14.13 | 14.71 | 15.27 | 16.89 |
| | 3H | 8.86 | 9.35 | 10.04 | 10.52 | 12.15 | 15.57 | 16.06 | 16.74 | 17.23 | 18.85 |
| | 4H | 8.95 | 9.40 | 10.12 | 10.56 | 12.20 | 16.32 | 16.77 | 17.50 | 17.93 | 19.57 |
| | 6H | 8.95 | 9.33 | 10.13 | 10.52 | 12.15 | 16.85 | 17.23 | 18.03 | 18.41 | 20.05 |
| | 8H | 8.92 | 9.28 | 10.10 | 10.45 | 12.10 | 17.00 | 17.36 | 18.18 | 18.53 | 20.19 |
| | 12H | 8.87 | 9.20 | 10.06 | 10.38 | 12.04 | 17.08 | 17.41 | 18.28 | 18.59 | 20.25 |
| 8H | 4H | 10.37 | 10.73 | 11.55 | 11.91 | 13.56 | 16.37 | 16.73 | 17.55 | 17.90 | 19.55 |
| | 6H | 10.61 | 10.91 | 11.81 | 12.12 | 13.77 | 16.98 | 17.28 | 18.18 | 18.50 | 20.14 |
| | 8H | 10.62 | 10.88 | 11.83 | 12.07 | 13.74 | 17.20 | 17.46 | 18.40 | 18.65 | 20.32 |
| | 12H | 10.58 | 10.81 | 11.79 | 12.00 | 13.70 | 17.33 | 17.56 | 18.54 | 18.75 | 20.45 |
| 12H | 4H | 10.51 | 10.83 | 11.70 | 12.02 | 13.67 | 16.31 | 16.64 | 17.51 | 17.82 | 19.48 |
| | 6H | 10.86 | 11.12 | 12.07 | 12.31 | 13.98 | 16.96 | 17.22 | 18.17 | 18.42 | 20.08 |
| | 8H | 10.92 | 11.15 | 12.13 | 12.34 | 14.04 | 17.18 | 17.41 | 18.39 | 18.60 | 20.30 |