

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: P937464

Luminaire Tested: SQ4-FB-100U-050D-93050-1D-UNV-STD-W-6-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P937464
REPORT IS A COMBINATION OF REPORTS P933573 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-100U-050D-93050-1D-UNV-STD-W-6-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

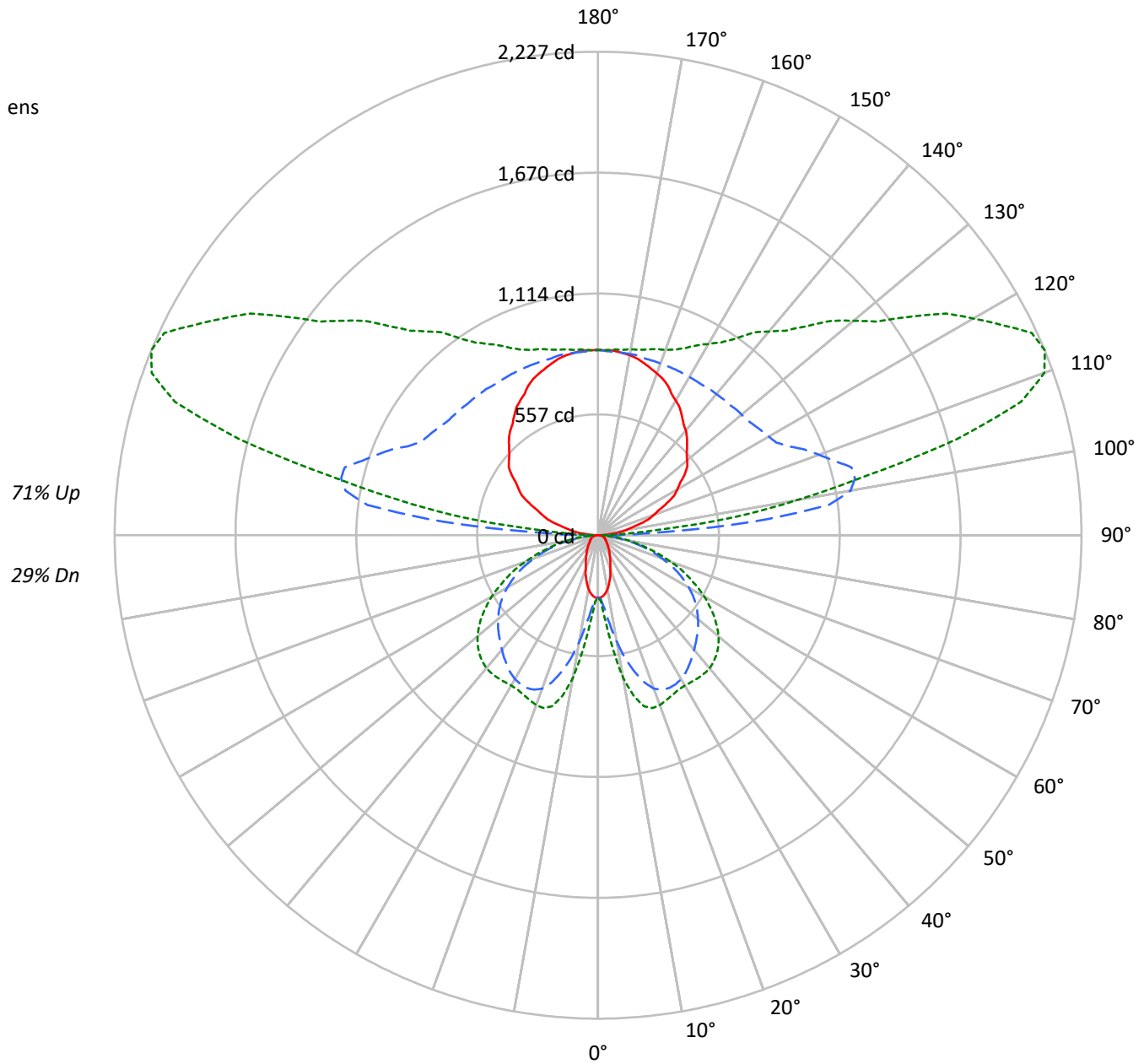
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7754.5 lumens
Efficiency: N/A
Efficacy: 125.5 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): 61.8
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: P937464
CATALOG NUMBER: SQ4-FB-100U-050D-93050-1D-UNV-STD-W-6-5000K

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°

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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 | 50 | 30 | 10 | 0 | | |
| RCR | 0 | 102 | 102 | 102 | 102 | 91 | 91 | 91 | 91 | 71 | 71 | 71 | 53 | 53 | 53 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 29 | | |
| | 1 | 93 | 88 | 84 | 81 | 83 | 79 | 76 | 73 | 62 | 60 | 58 | 46 | 45 | 44 | 32 | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 23 | | |
| | 2 | 84 | 77 | 71 | 66 | 75 | 69 | 64 | 59 | 54 | 50 | 47 | 40 | 38 | 36 | 28 | 26 | 25 | 25 | 25 | 25 | 25 | 25 | 19 | | |
| | 3 | 76 | 67 | 60 | 54 | 68 | 60 | 54 | 49 | 47 | 43 | 39 | 35 | 32 | 30 | 24 | 22 | 21 | 21 | 21 | 21 | 21 | 21 | 16 | | |
| | 4 | 70 | 59 | 51 | 45 | 62 | 53 | 46 | 41 | 42 | 37 | 33 | 31 | 28 | 25 | 21 | 19 | 18 | 18 | 18 | 18 | 18 | 18 | 13 | | |
| | 5 | 64 | 52 | 44 | 38 | 57 | 47 | 40 | 35 | 37 | 32 | 28 | 28 | 24 | 21 | 19 | 17 | 15 | 15 | 15 | 15 | 15 | 15 | 11 | | |
| | 6 | 58 | 47 | 39 | 33 | 52 | 42 | 35 | 30 | 33 | 28 | 24 | 25 | 21 | 18 | 17 | 15 | 13 | 13 | 13 | 13 | 13 | 13 | 10 | | |
| | 7 | 54 | 42 | 34 | 28 | 48 | 38 | 31 | 26 | 30 | 25 | 21 | 22 | 19 | 16 | 15 | 13 | 11 | 11 | 11 | 11 | 11 | 11 | 8 | | |
| | 8 | 50 | 38 | 30 | 25 | 44 | 34 | 27 | 23 | 27 | 22 | 18 | 20 | 17 | 14 | 14 | 12 | 10 | 10 | 10 | 10 | 10 | 10 | 7 | | |
| | 9 | 46 | 34 | 27 | 22 | 41 | 31 | 24 | 20 | 24 | 20 | 16 | 18 | 15 | 12 | 13 | 11 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | | |
| | 10 | 43 | 31 | 24 | 19 | 38 | 28 | 22 | 18 | 22 | 18 | 14 | 17 | 14 | 11 | 12 | 10 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 1776 | 1776 | 1776 |
| 5° | 1734 | 2052 | 2387 |
| 10° | 1573 | 2991 | 3957 |
| 15° | 1336 | 3906 | 4779 |
| 20° | 1088 | 4526 | 4870 |
| 25° | 907 | 4734 | 4771 |
| 30° | 764 | 4764 | 4762 |
| 35° | 676 | 4682 | 4885 |
| 40° | 589 | 4579 | 5012 |
| 45° | 533 | 4502 | 5032 |
| 50° | 488 | 4433 | 4949 |
| 55° | 467 | 4332 | 4730 |
| 60° | 477 | 4140 | 4383 |
| 65° | 496 | 3849 | 3907 |
| 70° | 528 | 3354 | 3301 |
| 75° | 583 | 2733 | 2576 |
| 80° | 631 | 1892 | 1736 |
| 85° | 554 | 1003 | 889 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 5032 cd/sqm



TEST NUMBER: P937464

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 37.1 | 0.5 |
| 10°-20° | 164.6 | 2.1 |
| 20°-30° | 287.9 | 3.7 |
| 30°-40° | 370.6 | 4.8 |
| 40°-50° | 413.9 | 5.3 |
| 50°-60° | 396.5 | 5.1 |
| 60°-70° | 314.2 | 4.1 |
| 70°-80° | 184.7 | 2.4 |
| 80°-90° | 54.6 | 0.7 |
| 90°-100° | 415.8 | 5.4 |
| 100°-110° | 1093.3 | 14.1 |
| 110°-120° | 1133.6 | 14.6 |
| 120°-130° | 909.3 | 11.7 |
| 130°-140° | 713.5 | 9.2 |
| 140°-150° | 547.6 | 7.1 |
| 150°-160° | 394.4 | 5.1 |
| 160°-170° | 241.3 | 3.1 |
| 170°-180° | 81.5 | 1.1 |
| 0°-30° | 489.6 | 6.3 |
| 0°-40° | 860.2 | 11.1 |
| 0°-60° | 1670.6 | 21.5 |
| 0°-90° | 2224.1 | 28.7 |
| 90°-120° | 2642.8 | 34.1 |
| 90°-150° | 4813.2 | 62.1 |
| 90°-180° | 5530.0 | 71.3 |
| 0°-180° | 7754.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|------|-------|------|------|
| 0° | 287 | 287 | 287 | 287 | 287 | |
| 5° | 280 | 300 | 338 | 382 | 396 | 26 |
| 15° | 210 | 387 | 652 | 790 | 815 | 58 |
| 25° | 134 | 438 | 776 | 810 | 811 | 62 |
| 35° | 90 | 419 | 731 | 773 | 803 | 56 |
| 45° | 62 | 334 | 646 | 740 | 774 | 48 |
| 55° | 44 | 212 | 548 | 637 | 654 | 40 |
| 65° | 35 | 113 | 407 | 458 | 464 | 35 |
| 75° | 26 | 69 | 223 | 246 | 246 | 27 |
| 85° | 9 | 21 | 55 | 61 | 62 | 10 |
| 90° | 6 | 16 | 44 | 22 | 22 | 5 |
| 95° | 55 | 215 | 716 | 369 | 251 | 61 |
| 105° | 197 | 298 | 1209 | 1835 | 1712 | 209 |
| 115° | 350 | 425 | 968 | 1931 | 2204 | 346 |
| 125° | 487 | 546 | 881 | 1488 | 1756 | 432 |
| 135° | 580 | 638 | 853 | 1201 | 1362 | 449 |
| 145° | 673 | 716 | 842 | 1025 | 1105 | 421 |
| 155° | 760 | 782 | 842 | 925 | 952 | 349 |
| 165° | 820 | 831 | 842 | 876 | 886 | 232 |
| 175° | 853 | 853 | 848 | 859 | 859 | 81 |
| 180° | 853 | 853 | 853 | 853 | 853 | |



TEST NUMBER: P937464

CATALOG NUMBER: SQ4-FB-100U-050D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0° | 287.1 | 287.1 | 287.1 | 287.1 | 287.1 | 287.1 | 287.1 | 287.1 | 287.1 | 287.1 | 287.1 |
| 2.5° | 287.1 | 287.1 | 288.9 | 289.8 | 291.7 | 292.7 | 294.5 | 296.3 | 301.8 | 302.7 | 304.6 |
| 5° | 279.7 | 283.4 | 295.4 | 300.0 | 312.9 | 330.5 | 337.8 | 349.8 | 374.8 | 382.1 | 386.8 |
| 7.5° | 268.6 | 277.0 | 306.4 | 313.9 | 346.2 | 392.3 | 411.7 | 437.6 | 477.2 | 496.7 | 512.3 |
| 10° | 251.1 | 268.6 | 321.2 | 338.8 | 391.4 | 461.5 | 497.6 | 533.5 | 593.6 | 620.3 | 630.5 |
| 12.5° | 231.7 | 260.4 | 336.9 | 360.9 | 436.6 | 539.1 | 582.5 | 622.2 | 690.5 | 726.4 | 732.0 |
| 15° | 209.5 | 248.3 | 351.7 | 386.8 | 484.6 | 603.7 | 651.7 | 700.7 | 764.3 | 790.1 | 796.7 |
| 17.5° | 190.1 | 239.1 | 365.5 | 402.5 | 521.5 | 661.8 | 710.8 | 751.4 | 803.1 | 820.6 | 825.2 |
| 20° | 166.2 | 224.3 | 374.8 | 422.8 | 560.3 | 704.3 | 751.4 | 782.8 | 817.8 | 829.0 | 830.8 |
| 22.5° | 148.6 | 208.6 | 380.3 | 430.1 | 586.1 | 730.1 | 769.9 | 794.7 | 818.8 | 822.4 | 823.4 |
| 25° | 133.9 | 191.1 | 379.4 | 438.5 | 608.3 | 745.8 | 776.3 | 794.7 | 808.6 | 810.4 | 810.4 |
| 27.5° | 120.0 | 171.7 | 375.7 | 440.3 | 625.0 | 749.6 | 773.5 | 786.5 | 792.9 | 796.7 | 796.7 |
| 30° | 108.0 | 153.3 | 366.4 | 436.6 | 632.3 | 745.8 | 765.3 | 771.7 | 778.1 | 783.7 | 786.5 |
| 32.5° | 98.7 | 135.7 | 352.6 | 429.2 | 633.2 | 736.6 | 750.5 | 754.2 | 763.3 | 776.3 | 781.0 |
| 35° | 90.5 | 118.2 | 336.9 | 419.1 | 627.7 | 721.9 | 731.0 | 734.8 | 753.2 | 772.6 | 779.0 |
| 37.5° | 82.1 | 105.3 | 316.6 | 401.6 | 619.4 | 704.3 | 710.8 | 717.3 | 745.8 | 768.9 | 776.3 |
| 40° | 73.9 | 94.2 | 292.7 | 382.1 | 606.5 | 683.0 | 688.6 | 698.7 | 736.6 | 763.3 | 770.8 |
| 42.5° | 67.4 | 84.9 | 266.8 | 361.8 | 589.8 | 659.1 | 667.3 | 682.1 | 725.5 | 754.2 | 762.4 |
| 45° | 61.9 | 75.7 | 239.1 | 334.1 | 568.6 | 634.1 | 646.1 | 666.4 | 712.6 | 740.3 | 747.6 |
| 47.5° | 56.3 | 69.2 | 210.4 | 305.5 | 545.6 | 609.3 | 625.0 | 648.0 | 695.1 | 721.9 | 728.3 |
| 50° | 51.7 | 62.8 | 181.9 | 275.0 | 520.6 | 582.5 | 600.9 | 625.0 | 672.9 | 697.8 | 706.2 |
| 52.5° | 48.0 | 57.3 | 155.1 | 244.7 | 492.0 | 554.7 | 576.0 | 600.9 | 646.1 | 670.2 | 675.7 |
| 55° | 44.3 | 52.6 | 132.0 | 212.3 | 462.4 | 525.2 | 548.3 | 572.3 | 616.6 | 636.9 | 640.6 |
| 57.5° | 42.5 | 48.9 | 112.6 | 181.9 | 431.0 | 492.0 | 517.9 | 540.0 | 581.5 | 597.2 | 600.9 |
| 60° | 39.7 | 46.2 | 97.8 | 156.0 | 396.9 | 460.6 | 482.8 | 504.9 | 540.0 | 552.9 | 555.7 |
| 62.5° | 36.9 | 44.3 | 86.8 | 131.0 | 361.8 | 423.7 | 445.8 | 466.2 | 495.6 | 504.9 | 508.6 |
| 65° | 35.1 | 42.5 | 78.5 | 112.6 | 325.9 | 384.9 | 407.1 | 424.6 | 448.6 | 457.8 | 459.7 |
| 67.5° | 33.2 | 40.7 | 72.0 | 96.9 | 289.8 | 346.2 | 362.8 | 379.4 | 397.8 | 407.1 | 408.0 |
| 70° | 30.5 | 38.7 | 66.4 | 85.8 | 252.9 | 301.8 | 315.7 | 333.2 | 348.0 | 352.6 | 355.4 |
| 72.5° | 28.6 | 36.0 | 62.8 | 77.5 | 215.1 | 259.3 | 272.3 | 282.5 | 295.4 | 300.0 | 300.0 |
| 75° | 25.9 | 32.3 | 59.1 | 69.2 | 176.3 | 212.3 | 223.4 | 233.6 | 243.6 | 245.6 | 242.7 |
| 77.5° | 23.0 | 28.6 | 50.7 | 58.2 | 137.6 | 168.0 | 177.2 | 182.8 | 191.1 | 192.9 | 193.8 |
| 80° | 19.4 | 25.0 | 39.7 | 45.2 | 99.7 | 123.7 | 130.1 | 134.8 | 142.2 | 142.2 | 144.0 |
| 82.5° | 14.8 | 19.4 | 28.6 | 32.3 | 67.4 | 84.9 | 90.5 | 93.2 | 97.8 | 97.8 | 97.8 |
| 85° | 9.3 | 12.0 | 18.4 | 21.2 | 40.7 | 51.7 | 55.4 | 56.3 | 60.0 | 60.9 | 60.9 |
| 87.5° | 4.6 | 6.4 | 12.0 | 12.9 | 21.2 | 26.8 | 26.8 | 28.6 | 28.6 | 27.7 | 26.8 |
| 90° | 5.7 | 10.3 | 14.9 | 16.1 | 25.2 | 37.4 | 43.5 | 38.6 | 29.0 | 21.7 | 21.7 |
| 92.5° | 22.9 | 61.9 | 100.8 | 110.5 | 155.4 | 215.1 | 245.0 | 214.7 | 154.2 | 108.7 | 104.4 |
| 95° | 55.0 | 126.2 | 197.5 | 215.3 | 382.3 | 604.9 | 716.3 | 639.2 | 484.9 | 369.3 | 356.2 |
| 97.5° | 95.1 | 157.9 | 220.8 | 236.5 | 514.9 | 886.2 | 1071.9 | 1023.1 | 925.7 | 852.5 | 827.6 |
| 100° | 126.0 | 183.0 | 240.0 | 254.2 | 563.2 | 975.1 | 1181.2 | 1184.7 | 1191.9 | 1197.2 | 1167.5 |
| 102.5° | 152.3 | 205.6 | 258.7 | 272.0 | 585.4 | 1003.2 | 1212.1 | 1274.2 | 1398.4 | 1491.5 | 1466.1 |
| 105° | 196.9 | 242.0 | 287.1 | 298.3 | 601.8 | 1006.4 | 1208.7 | 1347.9 | 1626.2 | 1835.0 | 1821.3 |
| 107.5° | 242.7 | 284.8 | 326.8 | 337.3 | 604.9 | 961.6 | 1140.0 | 1334.1 | 1722.4 | 2013.7 | 2017.0 |
| 110° | 273.7 | 311.6 | 349.6 | 359.0 | 600.3 | 921.9 | 1082.7 | 1299.7 | 1733.9 | 2059.5 | 2073.7 |



TEST NUMBER: P937464

CATALOG NUMBER: SQ4-FB-100U-050D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 112.5° | 304.0 | 340.2 | 376.3 | 385.3 | 600.4 | 887.2 | 1030.6 | 1252.7 | 1697.1 | 2030.3 | 2052.1 |
| 115° | 349.8 | 383.1 | 416.4 | 424.8 | 606.0 | 847.4 | 968.2 | 1182.2 | 1610.3 | 1931.3 | 1961.7 |
| 117.5° | 395.1 | 425.4 | 455.6 | 463.2 | 617.1 | 822.5 | 925.2 | 1118.4 | 1504.7 | 1794.4 | 1828.0 |
| 120° | 421.4 | 449.9 | 478.4 | 485.6 | 626.4 | 814.2 | 908.1 | 1084.5 | 1437.5 | 1702.2 | 1734.9 |
| 122.5° | 447.2 | 475.9 | 504.7 | 511.9 | 639.5 | 809.8 | 894.9 | 1053.9 | 1371.7 | 1610.0 | 1642.3 |
| 125° | 486.7 | 512.9 | 539.1 | 545.7 | 657.3 | 806.2 | 880.6 | 1015.6 | 1285.6 | 1488.1 | 1517.9 |
| 127.5° | 518.8 | 545.2 | 571.7 | 578.3 | 675.1 | 804.1 | 868.6 | 984.5 | 1216.3 | 1390.2 | 1415.3 |
| 130° | 535.9 | 564.5 | 592.9 | 600.1 | 688.1 | 805.4 | 864.0 | 967.2 | 1173.5 | 1328.4 | 1351.5 |
| 132.5° | 553.6 | 582.2 | 610.6 | 617.8 | 698.5 | 806.2 | 860.0 | 952.4 | 1137.1 | 1275.7 | 1296.4 |
| 135° | 580.0 | 606.0 | 631.9 | 638.4 | 710.0 | 805.4 | 853.1 | 930.5 | 1085.2 | 1201.3 | 1219.2 |
| 137.5° | 606.9 | 632.6 | 658.4 | 664.8 | 727.2 | 810.4 | 852.0 | 917.4 | 1048.2 | 1146.3 | 1160.9 |
| 140° | 629.3 | 652.9 | 676.6 | 682.5 | 737.6 | 811.2 | 848.0 | 904.5 | 1017.4 | 1102.2 | 1115.8 |
| 142.5° | 646.4 | 668.4 | 690.2 | 695.7 | 746.5 | 814.1 | 848.0 | 897.6 | 996.8 | 1071.2 | 1083.0 |
| 145° | 672.8 | 691.9 | 710.9 | 715.7 | 757.9 | 814.2 | 842.3 | 882.8 | 964.0 | 1024.9 | 1033.8 |
| 147.5° | 699.1 | 717.6 | 736.2 | 740.9 | 774.6 | 819.7 | 842.3 | 874.2 | 938.1 | 986.0 | 993.3 |
| 150° | 716.3 | 733.1 | 749.8 | 754.1 | 783.4 | 822.6 | 842.3 | 869.2 | 923.1 | 963.6 | 969.5 |
| 152.5° | 734.1 | 746.8 | 759.5 | 762.7 | 789.2 | 824.5 | 842.3 | 865.3 | 911.4 | 945.9 | 950.4 |
| 155° | 760.4 | 769.8 | 779.1 | 781.5 | 801.8 | 828.8 | 842.3 | 860.6 | 897.2 | 924.7 | 927.7 |
| 157.5° | 779.9 | 789.0 | 798.1 | 800.4 | 814.4 | 833.0 | 842.3 | 856.5 | 885.0 | 906.4 | 908.5 |
| 160° | 793.0 | 800.1 | 807.3 | 809.0 | 820.1 | 834.9 | 842.3 | 854.5 | 878.9 | 897.2 | 898.4 |
| 162.5° | 806.2 | 811.5 | 816.8 | 818.2 | 826.2 | 836.9 | 842.3 | 852.5 | 873.2 | 888.6 | 889.7 |
| 165° | 820.5 | 825.3 | 830.1 | 831.3 | 835.0 | 839.9 | 842.3 | 849.6 | 864.4 | 875.5 | 876.7 |
| 167.5° | 833.6 | 835.9 | 838.2 | 838.8 | 841.8 | 845.9 | 848.0 | 852.8 | 862.4 | 869.7 | 870.3 |
| 170° | 842.3 | 844.6 | 846.8 | 847.4 | 847.6 | 847.9 | 848.0 | 852.8 | 862.4 | 869.7 | 869.7 |
| 172.5° | 846.8 | 847.3 | 847.9 | 848.0 | 848.0 | 848.0 | 848.0 | 851.8 | 859.4 | 865.1 | 864.7 |
| 175° | 853.1 | 853.1 | 853.1 | 853.1 | 851.3 | 849.1 | 848.0 | 850.3 | 855.2 | 858.9 | 858.9 |
| 177.5° | 853.1 | 853.1 | 853.1 | 853.1 | 851.8 | 850.1 | 849.1 | 851.1 | 854.8 | 857.7 | 857.1 |
| 180° | 853.1 | 853.1 | 853.1 | 853.1 | 853.1 | 853.1 | 853.1 | 853.1 | 853.1 | 853.1 | 853.1 |



TEST NUMBER: P937464

CATALOG NUMBER: SQ4-FB-100U-050D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 287.1 | 287.1 |
| 2.5° | 306.4 | 304.6 |
| 5° | 394.2 | 396.0 |
| 7.5° | 530.8 | 529.9 |
| 10° | 660.0 | 668.3 |
| 12.5° | 754.2 | 756.0 |
| 15° | 811.4 | 815.1 |
| 17.5° | 833.5 | 834.5 |
| 20° | 834.5 | 832.6 |
| 22.5° | 824.3 | 822.4 |
| 25° | 812.3 | 811.4 |
| 27.5° | 801.2 | 802.2 |
| 30° | 796.7 | 799.4 |
| 32.5° | 796.7 | 801.2 |
| 35° | 798.5 | 803.1 |
| 37.5° | 797.6 | 803.1 |
| 40° | 793.8 | 800.3 |
| 42.5° | 783.7 | 788.3 |
| 45° | 768.0 | 773.5 |
| 47.5° | 747.6 | 751.4 |
| 50° | 721.9 | 725.5 |
| 52.5° | 689.6 | 690.5 |
| 55° | 650.7 | 654.5 |
| 57.5° | 609.3 | 610.2 |
| 60° | 563.1 | 565.9 |
| 62.5° | 514.2 | 514.2 |
| 65° | 462.4 | 464.3 |
| 67.5° | 408.9 | 413.5 |
| 70° | 354.5 | 355.4 |
| 72.5° | 300.9 | 300.9 |
| 75° | 245.6 | 246.5 |
| 77.5° | 192.9 | 192.9 |
| 80° | 143.1 | 144.0 |
| 82.5° | 98.7 | 100.6 |
| 85° | 61.9 | 61.9 |
| 87.5° | 28.6 | 25.9 |
| 90° | 21.7 | 21.7 |
| 92.5° | 87.1 | 69.8 |
| 95° | 303.8 | 251.4 |
| 97.5° | 727.8 | 628.1 |
| 100° | 1048.7 | 929.8 |
| 102.5° | 1364.2 | 1262.5 |
| 105° | 1766.7 | 1712.0 |
| 107.5° | 2030.3 | 2043.5 |
| 110° | 2130.8 | 2187.8 |



TEST NUMBER: P937464

CATALOG NUMBER: SQ4-FB-100U-050D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 2139.7 | 2227.2 |
| 115° | 2083.0 | 2204.4 |
| 117.5° | 1962.7 | 2097.3 |
| 120° | 1865.8 | 1996.5 |
| 122.5° | 1771.3 | 1900.4 |
| 125° | 1636.6 | 1755.5 |
| 127.5° | 1515.6 | 1615.8 |
| 130° | 1444.2 | 1536.8 |
| 132.5° | 1379.4 | 1462.3 |
| 135° | 1290.6 | 1362.1 |
| 137.5° | 1219.4 | 1278.0 |
| 140° | 1170.6 | 1225.3 |
| 142.5° | 1130.1 | 1177.2 |
| 145° | 1069.5 | 1105.1 |
| 147.5° | 1022.9 | 1052.4 |
| 150° | 993.5 | 1017.4 |
| 152.5° | 968.4 | 986.5 |
| 155° | 939.6 | 951.6 |
| 157.5° | 916.9 | 925.2 |
| 160° | 903.3 | 908.1 |
| 162.5° | 894.3 | 898.9 |
| 165° | 881.5 | 886.3 |
| 167.5° | 872.3 | 874.3 |
| 170° | 869.7 | 869.7 |
| 172.5° | 862.9 | 861.2 |
| 175° | 858.9 | 858.9 |
| 177.5° | 855.1 | 853.1 |
| 180° | 853.1 | 853.1 |



TEST NUMBER: P937464
 CATALOG NUMBER: SQ4-FB-100U-050D-93050-1D-UNV-STD-W-6-5000K

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 | 0.62 | 1.34 | 1.74 | 2.45 | 4.00 | 13.79 | 14.50 | 14.90 | 15.62 | 17.16 |
| | 3H | 1.32 | 1.96 | 2.44 | 3.08 | 4.64 | 15.61 | 16.25 | 16.73 | 17.38 | 18.94 |
| | 4H | 1.61 | 2.22 | 2.74 | 3.34 | 4.91 | 16.25 | 16.86 | 17.38 | 17.98 | 19.54 |
| | 6H | 1.85 | 2.41 | 2.99 | 3.54 | 5.12 | 16.66 | 17.23 | 17.81 | 18.35 | 19.93 |
| | 8H | 1.91 | 2.45 | 3.06 | 3.59 | 5.16 | 16.78 | 17.31 | 17.92 | 18.45 | 20.02 |
| | 12H | 1.93 | 2.44 | 3.08 | 3.57 | 5.16 | 16.84 | 17.35 | 17.99 | 18.48 | 20.08 |
| 4H | 2H | 7.81 | 8.42 | 8.95 | 9.54 | 11.11 | 14.04 | 14.66 | 15.19 | 15.78 | 17.34 |
| | 3H | 9.37 | 9.88 | 10.51 | 11.03 | 12.60 | 16.07 | 16.58 | 17.22 | 17.73 | 19.31 |
| | 4H | 9.45 | 9.92 | 10.60 | 11.06 | 12.66 | 16.83 | 17.30 | 17.98 | 18.44 | 20.03 |
| | 6H | 9.46 | 9.86 | 10.61 | 11.02 | 12.61 | 17.35 | 17.76 | 18.51 | 18.92 | 20.51 |
| | 8H | 9.43 | 9.81 | 10.59 | 10.96 | 12.56 | 17.51 | 17.89 | 18.67 | 19.04 | 20.64 |
| | 12H | 9.38 | 9.72 | 10.55 | 10.88 | 12.49 | 17.59 | 17.94 | 18.77 | 19.10 | 20.71 |
| 8H | 4H | 10.88 | 11.26 | 12.04 | 12.41 | 14.02 | 16.88 | 17.25 | 18.03 | 18.40 | 20.01 |
| | 6H | 11.12 | 11.43 | 12.29 | 12.62 | 14.23 | 17.49 | 17.81 | 18.67 | 19.00 | 20.60 |
| | 8H | 11.13 | 11.41 | 12.32 | 12.58 | 14.20 | 17.71 | 17.98 | 18.89 | 19.15 | 20.78 |
| | 12H | 11.10 | 11.33 | 12.28 | 12.50 | 14.16 | 17.84 | 18.08 | 19.03 | 19.25 | 20.91 |
| 12H | 4H | 11.02 | 11.36 | 12.19 | 12.52 | 14.13 | 16.82 | 17.16 | 17.99 | 18.33 | 19.94 |
| | 6H | 11.37 | 11.65 | 12.56 | 12.82 | 14.44 | 17.48 | 17.75 | 18.66 | 18.92 | 20.54 |
| | 8H | 11.44 | 11.68 | 12.62 | 12.84 | 14.50 | 17.70 | 17.93 | 18.88 | 19.10 | 20.76 |