

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: P938238

Luminaire Tested: SQ4-FB-150U-050D-92765-1D-UNV-STD-W-6-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P938238
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-92765-1D-UNV-STD-W-6-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

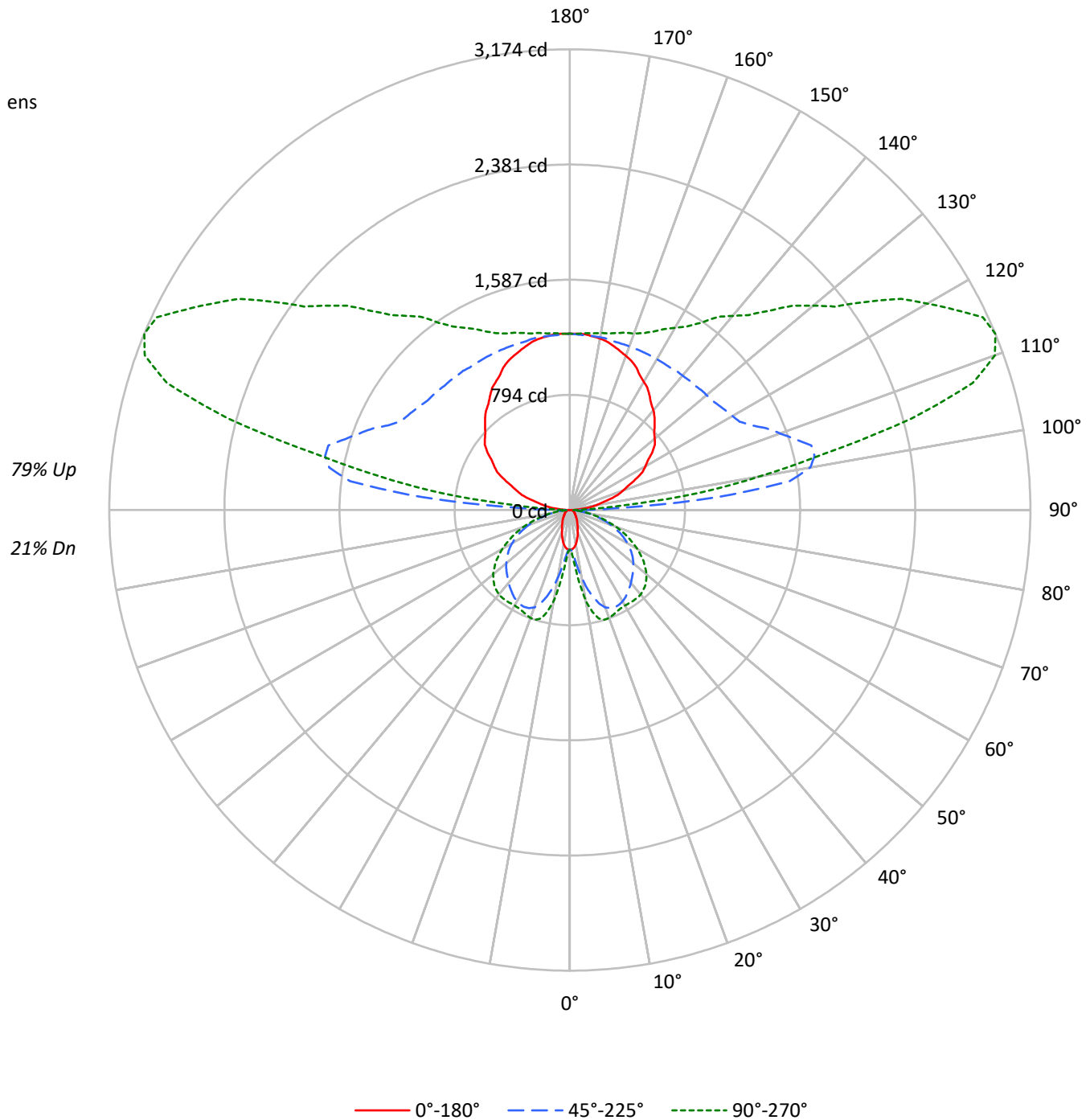
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9995.2 lumens
Efficiency: N/A
Efficacy: 119.8 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: P938238
CATALOG NUMBER: SQ4-FB-150U-050D-92765-1D-UNV-STD-W-6-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P938238

CATALOG NUMBER: SQ4-FB-150U-050D-92765-1D-UNV-STD-W-6-3000K

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° | 1688 | 1688 | 1688 |
| 5° | 1648 | 1950 | 2268 |
| 10° | 1494 | 2842 | 3760 |
| 15° | 1269 | 3711 | 4541 |
| 20° | 1033 | 4300 | 4628 |
| 25° | 862 | 4499 | 4534 |
| 30° | 726 | 4526 | 4525 |
| 35° | 642 | 4450 | 4642 |
| 40° | 559 | 4351 | 4763 |
| 45° | 506 | 4278 | 4781 |
| 50° | 463 | 4212 | 4702 |
| 55° | 444 | 4116 | 4494 |
| 60° | 455 | 3934 | 4165 |
| 65° | 471 | 3657 | 3713 |
| 70° | 502 | 3188 | 3136 |
| 75° | 554 | 2597 | 2448 |
| 80° | 599 | 1799 | 1649 |
| 85° | 525 | 954 | 845 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 4781 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 35.3 | 0.4 |
| 10°-20° | 156.4 | 1.6 |
| 20°-30° | 273.6 | 2.7 |
| 30°-40° | 352.2 | 3.5 |
| 40°-50° | 393.3 | 3.9 |
| 50°-60° | 376.7 | 3.8 |
| 60°-70° | 298.6 | 3.0 |
| 70°-80° | 175.6 | 1.8 |
| 80°-90° | 53.4 | 0.5 |
| 90°-100° | 592.6 | 5.9 |
| 100°-110° | 1557.8 | 15.6 |
| 110°-120° | 1615.3 | 16.2 |
| 120°-130° | 1295.7 | 13.0 |
| 130°-140° | 1016.6 | 10.2 |
| 140°-150° | 780.3 | 7.8 |
| 150°-160° | 561.9 | 5.6 |
| 160°-170° | 343.8 | 3.4 |
| 170°-180° | 116.2 | 1.2 |
| 0°-30° | 465.2 | 4.7 |
| 0°-40° | 817.4 | 8.2 |
| 0°-60° | 1587.4 | 15.9 |
| 0°-90° | 2115.0 | 21.2 |
| 90°-120° | 3765.7 | 37.7 |
| 90°-150° | 6858.3 | 68.6 |
| 90°-180° | 7880.0 | 78.8 |
| 0°-180° | 9995.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 273 | 273 | 273 | 273 | 273 | |
| 5° | 266 | 285 | 321 | 363 | 376 | 25 |
| 15° | 199 | 368 | 619 | 751 | 774 | 55 |
| 25° | 127 | 417 | 738 | 770 | 771 | 59 |
| 35° | 86 | 398 | 695 | 734 | 763 | 54 |
| 45° | 59 | 318 | 614 | 704 | 735 | 45 |
| 55° | 42 | 202 | 521 | 605 | 622 | 38 |
| 65° | 33 | 107 | 387 | 435 | 441 | 33 |
| 75° | 25 | 66 | 212 | 233 | 234 | 26 |
| 85° | 9 | 20 | 53 | 58 | 59 | 9 |
| 90° | 8 | 23 | 62 | 31 | 31 | 7 |
| 95° | 78 | 307 | 1021 | 526 | 358 | 87 |
| 105° | 281 | 425 | 1722 | 2615 | 2439 | 298 |
| 115° | 498 | 605 | 1380 | 2752 | 3141 | 492 |
| 125° | 693 | 778 | 1255 | 2120 | 2501 | 616 |
| 135° | 826 | 910 | 1216 | 1712 | 1941 | 639 |
| 145° | 959 | 1020 | 1200 | 1460 | 1574 | 601 |
| 155° | 1083 | 1114 | 1200 | 1318 | 1356 | 498 |
| 165° | 1169 | 1185 | 1200 | 1247 | 1263 | 330 |
| 175° | 1216 | 1216 | 1208 | 1224 | 1224 | 115 |
| 180° | 1216 | 1216 | 1216 | 1216 | 1216 | |



TEST NUMBER: P938238

CATALOG NUMBER: SQ4-FB-150U-050D-92765-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0° | 272.8 | 272.8 | 272.8 | 272.8 | 272.8 | 272.8 | 272.8 | 272.8 | 272.8 | 272.8 | 272.8 |
| 2.5° | 272.8 | 272.8 | 274.5 | 275.4 | 277.2 | 278.1 | 279.8 | 281.6 | 286.8 | 287.7 | 289.4 |
| 5° | 265.8 | 269.3 | 280.7 | 285.1 | 297.4 | 314.0 | 321.0 | 332.4 | 356.1 | 363.1 | 367.6 |
| 7.5° | 255.2 | 263.2 | 291.2 | 298.2 | 328.9 | 372.8 | 391.2 | 415.8 | 453.5 | 471.9 | 486.9 |
| 10° | 238.6 | 255.2 | 305.2 | 322.0 | 371.9 | 438.5 | 472.8 | 507.0 | 564.0 | 589.4 | 599.1 |
| 12.5° | 220.2 | 247.4 | 320.1 | 343.0 | 414.9 | 512.2 | 553.5 | 591.2 | 656.1 | 690.3 | 695.5 |
| 15° | 199.1 | 236.0 | 334.2 | 367.6 | 460.5 | 573.6 | 619.2 | 665.8 | 726.3 | 750.8 | 757.0 |
| 17.5° | 180.7 | 227.2 | 347.3 | 382.5 | 495.6 | 628.9 | 675.4 | 714.0 | 763.1 | 779.8 | 784.1 |
| 20° | 157.9 | 213.1 | 356.1 | 401.7 | 532.5 | 669.3 | 714.0 | 743.8 | 777.2 | 787.7 | 789.5 |
| 22.5° | 141.2 | 198.2 | 361.4 | 408.7 | 557.0 | 693.8 | 731.5 | 755.2 | 778.0 | 781.5 | 782.4 |
| 25° | 127.2 | 181.6 | 360.5 | 416.7 | 578.1 | 708.7 | 737.7 | 755.2 | 768.3 | 770.1 | 770.1 |
| 27.5° | 114.1 | 163.2 | 357.0 | 418.4 | 593.9 | 712.3 | 735.0 | 747.3 | 753.4 | 757.0 | 757.0 |
| 30° | 102.6 | 145.6 | 348.2 | 414.9 | 600.8 | 708.7 | 727.2 | 733.3 | 739.4 | 744.7 | 747.3 |
| 32.5° | 93.8 | 129.0 | 335.0 | 407.9 | 601.7 | 700.0 | 713.1 | 716.6 | 725.4 | 737.7 | 742.1 |
| 35° | 86.0 | 112.3 | 320.1 | 398.3 | 596.5 | 685.9 | 694.7 | 698.2 | 715.8 | 734.2 | 740.3 |
| 37.5° | 78.0 | 100.0 | 300.9 | 381.6 | 588.5 | 669.3 | 675.4 | 681.6 | 708.7 | 730.7 | 737.7 |
| 40° | 70.2 | 89.5 | 278.1 | 363.1 | 576.3 | 649.1 | 654.4 | 664.0 | 700.0 | 725.4 | 732.4 |
| 42.5° | 64.0 | 80.7 | 253.5 | 343.8 | 560.5 | 626.3 | 634.1 | 648.2 | 689.4 | 716.6 | 724.5 |
| 45° | 58.8 | 71.9 | 227.2 | 317.5 | 540.3 | 602.6 | 614.0 | 633.3 | 677.1 | 703.5 | 710.4 |
| 47.5° | 53.5 | 65.8 | 200.0 | 290.3 | 518.4 | 578.9 | 593.9 | 615.7 | 660.5 | 685.9 | 692.0 |
| 50° | 49.1 | 59.6 | 172.8 | 261.3 | 494.7 | 553.5 | 571.0 | 593.9 | 639.5 | 663.1 | 671.0 |
| 52.5° | 45.6 | 54.4 | 147.4 | 232.5 | 467.5 | 527.1 | 547.4 | 571.0 | 614.0 | 636.8 | 642.1 |
| 55° | 42.1 | 50.0 | 125.4 | 201.7 | 439.4 | 499.1 | 521.0 | 543.8 | 585.9 | 605.2 | 608.8 |
| 57.5° | 40.4 | 46.5 | 107.0 | 172.8 | 409.6 | 467.5 | 492.1 | 513.1 | 552.6 | 567.5 | 571.0 |
| 60° | 37.8 | 43.9 | 93.0 | 148.2 | 377.2 | 437.7 | 458.8 | 479.8 | 513.1 | 525.4 | 528.0 |
| 62.5° | 35.1 | 42.1 | 82.5 | 124.5 | 343.8 | 402.6 | 423.6 | 443.0 | 471.0 | 479.8 | 483.3 |
| 65° | 33.3 | 40.4 | 74.6 | 107.0 | 309.7 | 365.7 | 386.8 | 403.5 | 426.3 | 435.1 | 436.8 |
| 67.5° | 31.6 | 38.6 | 68.5 | 92.1 | 275.4 | 328.9 | 344.7 | 360.5 | 378.0 | 386.8 | 387.7 |
| 70° | 29.0 | 36.8 | 63.1 | 81.5 | 240.3 | 286.8 | 300.0 | 316.6 | 330.7 | 335.0 | 337.7 |
| 72.5° | 27.2 | 34.2 | 59.6 | 73.7 | 204.4 | 246.4 | 258.7 | 268.4 | 280.7 | 285.1 | 285.1 |
| 75° | 24.6 | 30.7 | 56.2 | 65.8 | 167.5 | 201.7 | 212.3 | 221.9 | 231.5 | 233.4 | 230.7 |
| 77.5° | 21.9 | 27.2 | 48.2 | 55.3 | 130.7 | 159.7 | 168.4 | 173.7 | 181.6 | 183.3 | 184.2 |
| 80° | 18.4 | 23.7 | 37.8 | 43.0 | 94.7 | 117.6 | 123.7 | 128.1 | 135.1 | 135.1 | 136.8 |
| 82.5° | 14.0 | 18.4 | 27.2 | 30.7 | 64.0 | 80.7 | 86.0 | 88.6 | 93.0 | 93.0 | 93.0 |
| 85° | 8.8 | 11.4 | 17.5 | 20.1 | 38.6 | 49.1 | 52.7 | 53.5 | 57.0 | 57.9 | 57.9 |
| 87.5° | 4.4 | 6.1 | 11.4 | 12.3 | 20.1 | 25.5 | 25.5 | 27.2 | 27.2 | 26.3 | 25.5 |
| 90° | 8.2 | 14.7 | 21.2 | 22.8 | 35.9 | 53.3 | 62.0 | 55.1 | 41.3 | 31.0 | 31.0 |
| 92.5° | 32.6 | 88.1 | 143.6 | 157.5 | 221.4 | 306.6 | 349.2 | 306.0 | 219.8 | 155.0 | 148.9 |
| 95° | 78.3 | 179.8 | 281.4 | 306.8 | 544.8 | 862.0 | 1020.6 | 910.8 | 691.0 | 526.2 | 507.5 |
| 97.5° | 135.4 | 225.0 | 314.5 | 337.0 | 733.7 | 1262.8 | 1527.3 | 1457.9 | 1319.0 | 1214.8 | 1179.3 |
| 100° | 179.5 | 260.7 | 341.9 | 362.2 | 802.5 | 1389.6 | 1683.1 | 1688.2 | 1698.4 | 1706.0 | 1663.7 |
| 102.5° | 217.0 | 292.8 | 368.6 | 387.5 | 834.1 | 1429.4 | 1727.2 | 1815.6 | 1992.5 | 2125.2 | 2089.0 |
| 105° | 280.6 | 344.8 | 409.0 | 425.0 | 857.5 | 1434.0 | 1722.3 | 1920.6 | 2317.3 | 2614.8 | 2595.3 |
| 107.5° | 345.9 | 405.8 | 465.6 | 480.5 | 861.7 | 1370.1 | 1624.3 | 1901.0 | 2454.3 | 2869.3 | 2874.0 |
| 110° | 390.0 | 444.0 | 498.0 | 511.5 | 855.3 | 1313.5 | 1542.7 | 1852.0 | 2470.6 | 2934.6 | 2954.9 |



TEST NUMBER: P938238

CATALOG NUMBER: SQ4-FB-150U-050D-92765-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 433.2 | 484.7 | 536.1 | 549.0 | 855.6 | 1264.2 | 1468.5 | 1785.1 | 2418.2 | 2893.0 | 2924.2 |
| 115° | 498.5 | 546.0 | 593.5 | 605.4 | 863.4 | 1207.5 | 1379.6 | 1684.5 | 2294.4 | 2751.8 | 2795.0 |
| 117.5° | 562.9 | 606.1 | 649.2 | 660.0 | 879.5 | 1172.1 | 1318.4 | 1593.6 | 2144.0 | 2556.8 | 2604.8 |
| 120° | 600.5 | 641.1 | 681.8 | 691.9 | 892.5 | 1160.2 | 1293.9 | 1545.4 | 2048.3 | 2425.5 | 2472.0 |
| 122.5° | 637.2 | 678.2 | 719.2 | 729.4 | 911.3 | 1153.9 | 1275.2 | 1501.6 | 1954.5 | 2294.1 | 2340.1 |
| 125° | 693.4 | 730.8 | 768.2 | 777.5 | 936.6 | 1148.7 | 1254.8 | 1447.1 | 1831.8 | 2120.4 | 2162.6 |
| 127.5° | 739.1 | 776.8 | 814.6 | 824.0 | 961.9 | 1145.7 | 1237.6 | 1402.8 | 1733.1 | 1980.8 | 2016.6 |
| 130° | 763.6 | 804.3 | 844.9 | 855.0 | 980.4 | 1147.6 | 1231.1 | 1378.2 | 1672.2 | 1892.7 | 1925.7 |
| 132.5° | 788.9 | 829.6 | 870.2 | 880.3 | 995.3 | 1148.7 | 1225.4 | 1357.0 | 1620.2 | 1817.7 | 1847.2 |
| 135° | 826.4 | 863.4 | 900.5 | 909.7 | 1011.6 | 1147.6 | 1215.6 | 1325.8 | 1546.3 | 1711.6 | 1737.1 |
| 137.5° | 864.8 | 901.4 | 938.0 | 947.2 | 1036.2 | 1154.7 | 1214.0 | 1307.2 | 1493.5 | 1633.3 | 1654.2 |
| 140° | 896.6 | 930.4 | 964.0 | 972.5 | 1051.1 | 1155.9 | 1208.3 | 1288.8 | 1449.8 | 1570.5 | 1590.0 |
| 142.5° | 921.0 | 952.3 | 983.5 | 991.2 | 1063.6 | 1160.1 | 1208.3 | 1279.0 | 1420.4 | 1526.4 | 1543.2 |
| 145° | 958.6 | 985.8 | 1013.0 | 1019.8 | 1079.9 | 1160.1 | 1200.1 | 1257.9 | 1373.6 | 1460.4 | 1473.0 |
| 147.5° | 996.1 | 1022.6 | 1049.1 | 1055.7 | 1103.8 | 1168.0 | 1200.1 | 1245.6 | 1336.6 | 1404.8 | 1415.4 |
| 150° | 1020.6 | 1044.5 | 1068.4 | 1074.4 | 1116.3 | 1172.2 | 1200.1 | 1238.5 | 1315.4 | 1373.0 | 1381.6 |
| 152.5° | 1045.9 | 1064.1 | 1082.2 | 1086.7 | 1124.5 | 1174.9 | 1200.1 | 1232.9 | 1298.5 | 1347.7 | 1354.2 |
| 155° | 1083.4 | 1096.8 | 1110.3 | 1113.6 | 1142.5 | 1180.9 | 1200.1 | 1226.2 | 1278.4 | 1317.6 | 1321.8 |
| 157.5° | 1111.1 | 1124.2 | 1137.3 | 1140.5 | 1160.4 | 1186.8 | 1200.1 | 1220.4 | 1261.0 | 1291.5 | 1294.4 |
| 160° | 1130.0 | 1140.1 | 1150.2 | 1152.7 | 1168.5 | 1189.5 | 1200.1 | 1217.5 | 1252.3 | 1278.4 | 1280.1 |
| 162.5° | 1148.7 | 1156.3 | 1163.9 | 1165.8 | 1177.2 | 1192.5 | 1200.1 | 1214.7 | 1244.1 | 1266.2 | 1267.9 |
| 165° | 1169.1 | 1176.0 | 1182.8 | 1184.6 | 1189.7 | 1196.6 | 1200.1 | 1210.6 | 1231.7 | 1247.4 | 1249.2 |
| 167.5° | 1187.9 | 1191.1 | 1194.4 | 1195.2 | 1199.6 | 1205.4 | 1208.3 | 1215.2 | 1229.0 | 1239.2 | 1239.9 |
| 170° | 1200.1 | 1203.3 | 1206.6 | 1207.4 | 1207.7 | 1208.1 | 1208.3 | 1215.2 | 1229.0 | 1239.2 | 1239.2 |
| 172.5° | 1206.6 | 1207.3 | 1208.1 | 1208.3 | 1208.3 | 1208.3 | 1208.3 | 1213.7 | 1224.6 | 1232.7 | 1232.1 |
| 175° | 1215.6 | 1215.6 | 1215.6 | 1215.6 | 1213.2 | 1209.9 | 1208.3 | 1211.7 | 1218.6 | 1223.7 | 1223.7 |
| 177.5° | 1215.6 | 1215.6 | 1215.6 | 1215.6 | 1213.7 | 1211.2 | 1209.9 | 1212.6 | 1218.1 | 1222.2 | 1221.5 |
| 180° | 1215.6 | 1215.6 | 1215.6 | 1215.6 | 1215.6 | 1215.6 | 1215.6 | 1215.6 | 1215.6 | 1215.6 | 1215.6 |



TEST NUMBER: P938238

CATALOG NUMBER: SQ4-FB-150U-050D-92765-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 272.8 | 272.8 |
| 2.5° | 291.2 | 289.4 |
| 5° | 374.5 | 376.3 |
| 7.5° | 504.4 | 503.5 |
| 10° | 627.2 | 635.0 |
| 12.5° | 716.6 | 718.4 |
| 15° | 771.1 | 774.5 |
| 17.5° | 792.1 | 792.9 |
| 20° | 792.9 | 791.2 |
| 22.5° | 783.3 | 781.5 |
| 25° | 771.9 | 771.1 |
| 27.5° | 761.4 | 762.2 |
| 30° | 757.0 | 759.6 |
| 32.5° | 757.0 | 761.4 |
| 35° | 758.8 | 763.1 |
| 37.5° | 757.9 | 763.1 |
| 40° | 754.3 | 760.5 |
| 42.5° | 744.7 | 749.1 |
| 45° | 729.8 | 735.0 |
| 47.5° | 710.4 | 714.0 |
| 50° | 685.9 | 689.4 |
| 52.5° | 655.2 | 656.1 |
| 55° | 618.4 | 621.9 |
| 57.5° | 578.9 | 579.8 |
| 60° | 535.1 | 537.7 |
| 62.5° | 488.6 | 488.6 |
| 65° | 439.4 | 441.2 |
| 67.5° | 388.6 | 392.9 |
| 70° | 336.9 | 337.7 |
| 72.5° | 285.9 | 285.9 |
| 75° | 233.4 | 234.2 |
| 77.5° | 183.3 | 183.3 |
| 80° | 136.0 | 136.8 |
| 82.5° | 93.8 | 95.6 |
| 85° | 58.8 | 58.8 |
| 87.5° | 27.2 | 24.6 |
| 90° | 31.0 | 31.0 |
| 92.5° | 124.2 | 99.5 |
| 95° | 432.8 | 358.1 |
| 97.5° | 1037.1 | 895.0 |
| 100° | 1494.3 | 1325.0 |
| 102.5° | 1943.9 | 1798.9 |
| 105° | 2517.3 | 2439.3 |
| 107.5° | 2892.9 | 2911.7 |
| 110° | 3036.1 | 3117.3 |



TEST NUMBER: P938238

CATALOG NUMBER: SQ4-FB-150U-050D-92765-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 3048.9 | 3173.6 |
| 115° | 2968.0 | 3141.0 |
| 117.5° | 2796.6 | 2988.5 |
| 120° | 2658.5 | 2844.8 |
| 122.5° | 2523.9 | 2707.8 |
| 125° | 2332.0 | 2501.3 |
| 127.5° | 2159.4 | 2302.3 |
| 130° | 2057.7 | 2189.7 |
| 132.5° | 1965.4 | 2083.6 |
| 135° | 1839.0 | 1940.9 |
| 137.5° | 1737.6 | 1821.0 |
| 140° | 1667.9 | 1745.9 |
| 142.5° | 1610.3 | 1677.4 |
| 145° | 1523.8 | 1574.5 |
| 147.5° | 1457.4 | 1499.5 |
| 150° | 1415.7 | 1449.8 |
| 152.5° | 1379.9 | 1405.7 |
| 155° | 1338.8 | 1355.9 |
| 157.5° | 1306.5 | 1318.4 |
| 160° | 1287.0 | 1293.9 |
| 162.5° | 1274.3 | 1280.8 |
| 165° | 1256.0 | 1262.9 |
| 167.5° | 1242.9 | 1245.8 |
| 170° | 1239.2 | 1239.2 |
| 172.5° | 1229.6 | 1227.0 |
| 175° | 1223.7 | 1223.7 |
| 177.5° | 1218.5 | 1215.6 |
| 180° | 1215.6 | 1215.6 |



TEST NUMBER: P938238
 CATALOG NUMBER: SQ4-FB-150U-050D-92765-1D-UNV-STD-W-6-3000K

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 | 0.41 | 1.06 | 2.69 | 12.41 | 13.07 | 13.57 | 14.23 | 15.86 |
| | 3H | 0.00 | 0.53 | 1.11 | 1.69 | 3.33 | 14.23 | 14.82 | 15.40 | 15.98 | 17.63 |
| | 4H | 0.22 | 0.79 | 1.40 | 1.95 | 3.60 | 14.86 | 15.43 | 16.04 | 16.59 | 18.24 |
| | 6H | 0.46 | 0.98 | 1.65 | 2.15 | 3.81 | 15.28 | 15.80 | 16.46 | 16.96 | 18.62 |
| | 8H | 0.52 | 1.02 | 1.71 | 2.20 | 3.85 | 15.39 | 15.88 | 16.58 | 17.06 | 18.71 |
| | 12H | 0.53 | 1.00 | 1.73 | 2.18 | 3.85 | 15.45 | 15.92 | 16.64 | 17.09 | 18.76 |
| 4H | 2H | 6.42 | 6.99 | 7.62 | 8.15 | 9.80 | 12.66 | 13.22 | 13.85 | 14.39 | 16.03 |
| | 3H | 7.97 | 8.45 | 9.17 | 9.63 | 11.30 | 14.68 | 15.15 | 15.87 | 16.34 | 18.00 |
| | 4H | 8.06 | 8.50 | 9.26 | 9.67 | 11.35 | 15.43 | 15.87 | 16.63 | 17.05 | 18.72 |
| | 6H | 8.06 | 8.43 | 9.26 | 9.63 | 11.30 | 15.96 | 16.33 | 17.16 | 17.53 | 19.20 |
| | 8H | 8.03 | 8.38 | 9.23 | 9.57 | 11.25 | 16.11 | 16.46 | 17.31 | 17.65 | 19.33 |
| | 12H | 7.98 | 8.29 | 9.19 | 9.49 | 11.18 | 16.19 | 16.51 | 17.41 | 17.71 | 19.40 |
| 8H | 4H | 9.48 | 9.83 | 10.68 | 11.02 | 12.71 | 15.48 | 15.83 | 16.68 | 17.02 | 18.70 |
| | 6H | 9.72 | 10.01 | 10.94 | 11.24 | 12.92 | 16.09 | 16.38 | 17.31 | 17.61 | 19.29 |
| | 8H | 9.73 | 9.98 | 10.96 | 11.19 | 12.89 | 16.31 | 16.56 | 17.53 | 17.77 | 19.47 |
| | 12H | 9.69 | 9.91 | 10.92 | 11.12 | 12.85 | 16.44 | 16.66 | 17.67 | 17.87 | 19.60 |
| 12H | 4H | 9.62 | 9.93 | 10.83 | 11.13 | 12.82 | 15.42 | 15.74 | 16.64 | 16.94 | 18.63 |
| | 6H | 9.97 | 10.22 | 11.19 | 11.43 | 13.13 | 16.07 | 16.33 | 17.30 | 17.53 | 19.23 |
| | 8H | 10.03 | 10.25 | 11.26 | 11.46 | 13.19 | 16.29 | 16.51 | 17.52 | 17.72 | 19.45 |