

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: P936840

Luminaire Tested: SQ4-FB-050U-100D-92765-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936840
REPORT IS A COMBINATION OF REPORTS P933479 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-050U-100D-92765-1D-UNV-STD-W-6-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

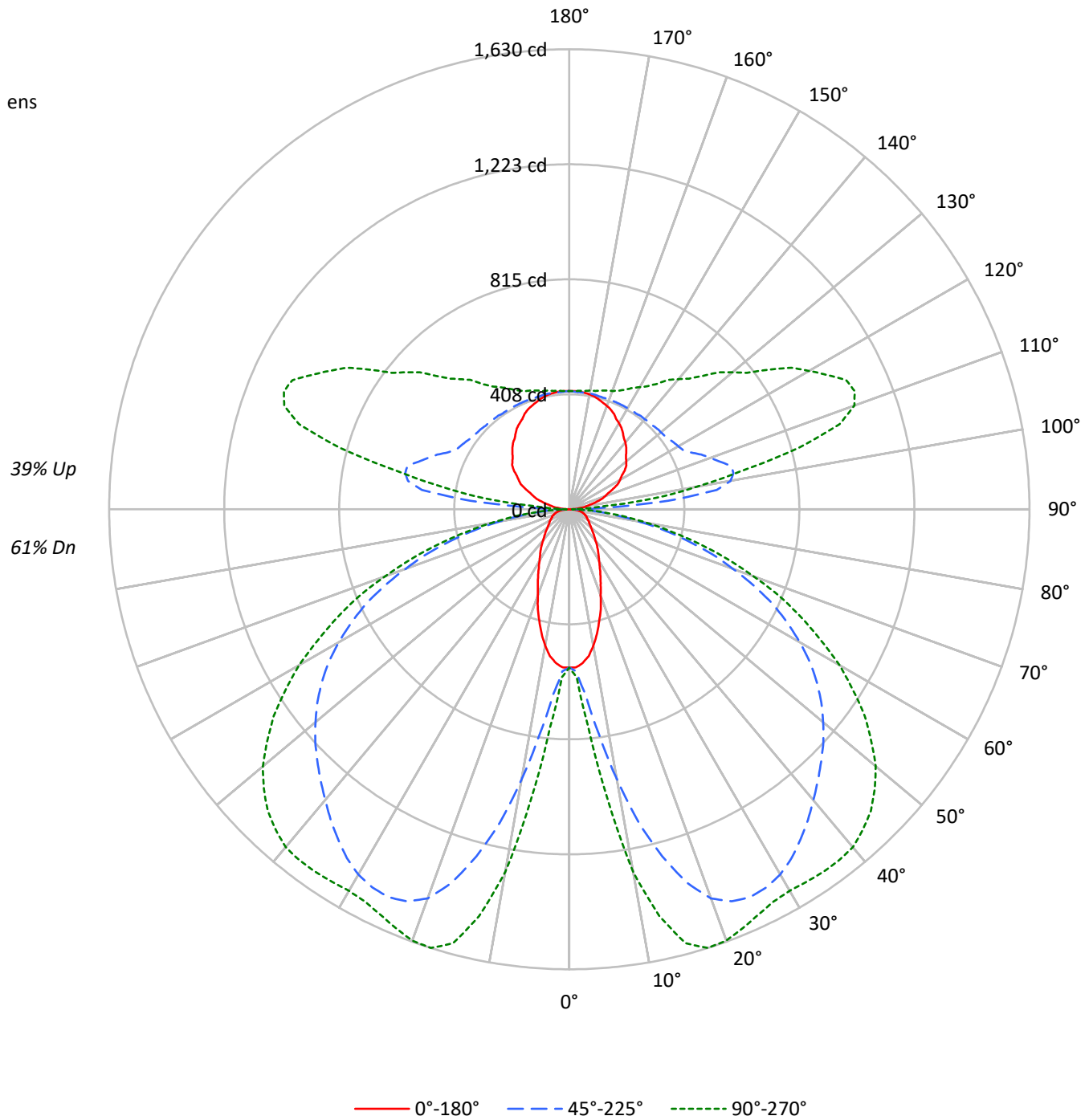
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7055.2 lumens
Efficiency: N/A
Efficacy: 104.1 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-Direct

Input Watts (W): 67.8
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: P936840
CATALOG NUMBER: SQ4-FB-050U-100D-92765-1D-UNV-STD-W-6-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P936840

CATALOG NUMBER: SQ4-FB-050U-100D-92765-1D-UNV-STD-W-6-4000K

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 | 110 | 110 | 110 | 110 | 103 | 103 | 103 | 103 | 90 | 90 | 90 | 78 | 78 | 78 | 67 | 67 | 67 | 61 |
| 1 | 100 | 95 | 91 | 87 | 93 | 89 | 85 | 82 | 78 | 75 | 72 | 67 | 65 | 63 | 58 | 56 | 55 | 50 |
| 2 | 90 | 82 | 75 | 70 | 84 | 77 | 71 | 66 | 67 | 63 | 59 | 58 | 55 | 52 | 50 | 48 | 45 | 41 |
| 3 | 82 | 72 | 64 | 57 | 76 | 67 | 60 | 54 | 59 | 53 | 49 | 51 | 47 | 43 | 44 | 40 | 38 | 34 |
| 4 | 74 | 63 | 54 | 48 | 69 | 59 | 51 | 45 | 52 | 46 | 41 | 45 | 40 | 36 | 39 | 35 | 32 | 28 |
| 5 | 68 | 56 | 47 | 41 | 63 | 52 | 44 | 39 | 46 | 40 | 35 | 40 | 35 | 31 | 34 | 30 | 27 | 24 |
| 6 | 63 | 50 | 41 | 35 | 58 | 47 | 39 | 33 | 41 | 35 | 30 | 36 | 31 | 27 | 31 | 27 | 23 | 21 |
| 7 | 58 | 45 | 36 | 30 | 54 | 42 | 34 | 29 | 37 | 31 | 26 | 32 | 27 | 23 | 28 | 24 | 21 | 18 |
| 8 | 53 | 40 | 32 | 26 | 50 | 38 | 30 | 25 | 34 | 27 | 23 | 29 | 24 | 20 | 25 | 21 | 18 | 16 |
| 9 | 50 | 37 | 29 | 23 | 46 | 35 | 27 | 22 | 31 | 24 | 20 | 27 | 22 | 18 | 23 | 19 | 16 | 14 |
| 10 | 46 | 33 | 26 | 21 | 43 | 32 | 25 | 20 | 28 | 22 | 18 | 25 | 20 | 16 | 21 | 17 | 14 | 12 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 3468 | 3468 | 3468 |
| 5° | 3387 | 4008 | 4662 |
| 10° | 3071 | 5841 | 7728 |
| 15° | 2609 | 7629 | 9332 |
| 20° | 2123 | 8838 | 9511 |
| 25° | 1770 | 9246 | 9318 |
| 30° | 1492 | 9302 | 9300 |
| 35° | 1319 | 9146 | 9541 |
| 40° | 1148 | 8942 | 9789 |
| 45° | 1039 | 8792 | 9827 |
| 50° | 953 | 8657 | 9665 |
| 55° | 911 | 8460 | 9236 |
| 60° | 932 | 8085 | 8559 |
| 65° | 968 | 7517 | 7630 |
| 70° | 1029 | 6551 | 6447 |
| 75° | 1136 | 5337 | 5030 |
| 80° | 1230 | 3697 | 3391 |
| 85° | 1073 | 1958 | 1735 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 9827 cd/sqm



TEST NUMBER: P936840

CATALOG NUMBER: SQ4-FB-050U-100D-92765-1D-UNV-STD-W-6-4000K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 72.5 | 1.0 |
| 10°-20° | 321.4 | 4.6 |
| 20°-30° | 562.2 | 8.0 |
| 30°-40° | 723.7 | 10.3 |
| 40°-50° | 808.4 | 11.5 |
| 50°-60° | 774.2 | 11.0 |
| 60°-70° | 613.6 | 8.7 |
| 70°-80° | 360.8 | 5.1 |
| 80°-90° | 101.8 | 1.4 |
| 90°-100° | 204.3 | 2.9 |
| 100°-110° | 537.0 | 7.6 |
| 110°-120° | 556.8 | 7.9 |
| 120°-130° | 446.6 | 6.3 |
| 130°-140° | 350.4 | 5.0 |
| 140°-150° | 269.0 | 3.8 |
| 150°-160° | 193.7 | 2.7 |
| 160°-170° | 118.5 | 1.7 |
| 170°-180° | 40.0 | 0.6 |
| 0°-30° | 956.2 | 13.6 |
| 0°-40° | 1679.9 | 23.8 |
| 0°-60° | 3262.5 | 46.2 |
| 0°-90° | 4338.8 | 61.5 |
| 90°-120° | 1298.1 | 18.4 |
| 90°-150° | 2364.1 | 33.5 |
| 90°-180° | 2716.0 | 38.5 |
| 0°-180° | 7055.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|------|-------|------|------|
| 0° | 561 | 561 | 561 | 561 | 561 | |
| 5° | 546 | 586 | 660 | 746 | 773 | 50 |
| 15° | 409 | 755 | 1273 | 1543 | 1592 | 114 |
| 25° | 261 | 856 | 1516 | 1583 | 1585 | 120 |
| 35° | 177 | 818 | 1428 | 1509 | 1568 | 110 |
| 45° | 121 | 653 | 1262 | 1446 | 1511 | 93 |
| 55° | 86 | 415 | 1071 | 1244 | 1278 | 79 |
| 65° | 68 | 220 | 795 | 894 | 907 | 68 |
| 75° | 50 | 135 | 436 | 480 | 481 | 53 |
| 85° | 18 | 42 | 108 | 119 | 121 | 19 |
| 90° | 3 | 8 | 21 | 11 | 11 | 4 |
| 95° | 27 | 106 | 352 | 181 | 123 | 30 |
| 105° | 97 | 146 | 594 | 901 | 841 | 103 |
| 115° | 172 | 209 | 476 | 949 | 1083 | 170 |
| 125° | 239 | 268 | 432 | 731 | 862 | 212 |
| 135° | 285 | 314 | 419 | 590 | 669 | 220 |
| 145° | 330 | 352 | 414 | 503 | 543 | 207 |
| 155° | 374 | 384 | 414 | 454 | 467 | 172 |
| 165° | 403 | 408 | 414 | 430 | 435 | 114 |
| 175° | 419 | 419 | 416 | 422 | 422 | 40 |
| 180° | 419 | 419 | 419 | 419 | 419 | |



TEST NUMBER: P936840

CATALOG NUMBER: SQ4-FB-050U-100D-92765-1D-UNV-STD-W-6-400K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 560.6 | 560.6 | 560.6 | 560.6 | 560.6 | 560.6 | 560.6 | 560.6 | 560.6 | 560.6 | 560.6 |
| 2.5° | 560.6 | 560.6 | 564.2 | 566.1 | 569.6 | 571.4 | 575.1 | 578.7 | 589.4 | 591.3 | 594.9 |
| 5° | 546.2 | 553.4 | 576.9 | 585.9 | 611.1 | 645.4 | 659.8 | 683.2 | 731.9 | 746.4 | 755.4 |
| 7.5° | 524.6 | 540.8 | 598.5 | 612.9 | 676.0 | 766.2 | 804.0 | 854.5 | 932.0 | 969.9 | 1000.5 |
| 10° | 490.3 | 524.6 | 627.4 | 661.6 | 764.4 | 901.4 | 971.7 | 1042.0 | 1159.2 | 1211.5 | 1231.3 |
| 12.5° | 452.5 | 508.4 | 658.0 | 704.9 | 852.7 | 1052.8 | 1137.5 | 1215.0 | 1348.4 | 1418.8 | 1429.6 |
| 15° | 409.2 | 484.9 | 686.9 | 755.4 | 946.4 | 1179.0 | 1272.8 | 1368.3 | 1492.6 | 1543.1 | 1555.8 |
| 17.5° | 371.4 | 466.9 | 713.9 | 786.0 | 1018.5 | 1292.6 | 1388.1 | 1467.4 | 1568.4 | 1602.6 | 1611.6 |
| 20° | 324.5 | 438.1 | 731.9 | 825.7 | 1094.3 | 1375.5 | 1467.4 | 1528.7 | 1597.2 | 1618.9 | 1622.4 |
| 22.5° | 290.3 | 407.4 | 742.7 | 840.0 | 1144.7 | 1425.9 | 1503.4 | 1552.1 | 1599.1 | 1606.2 | 1608.1 |
| 25° | 261.4 | 373.1 | 740.9 | 856.3 | 1188.0 | 1456.6 | 1516.1 | 1552.1 | 1579.2 | 1582.8 | 1582.8 |
| 27.5° | 234.3 | 335.3 | 733.7 | 859.9 | 1220.5 | 1463.8 | 1510.6 | 1535.9 | 1548.6 | 1555.8 | 1555.8 |
| 30° | 210.9 | 299.3 | 715.7 | 852.7 | 1234.8 | 1456.6 | 1494.4 | 1507.1 | 1519.7 | 1530.5 | 1535.9 |
| 32.5° | 192.9 | 265.0 | 688.6 | 838.2 | 1236.7 | 1438.6 | 1465.6 | 1472.8 | 1490.8 | 1516.1 | 1525.1 |
| 35° | 176.7 | 230.8 | 658.0 | 818.4 | 1225.8 | 1409.8 | 1427.8 | 1435.0 | 1471.0 | 1508.9 | 1521.5 |
| 37.5° | 160.5 | 205.5 | 618.4 | 784.2 | 1209.6 | 1375.5 | 1388.1 | 1400.8 | 1456.6 | 1501.6 | 1516.1 |
| 40° | 144.2 | 183.8 | 571.4 | 746.4 | 1184.3 | 1334.0 | 1344.8 | 1364.6 | 1438.6 | 1490.8 | 1505.3 |
| 42.5° | 131.6 | 165.8 | 520.9 | 706.7 | 1152.0 | 1287.1 | 1303.3 | 1332.2 | 1416.9 | 1472.8 | 1489.1 |
| 45° | 120.8 | 147.8 | 466.9 | 652.6 | 1110.5 | 1238.5 | 1261.9 | 1301.6 | 1391.7 | 1445.8 | 1460.2 |
| 47.5° | 110.0 | 135.2 | 411.1 | 596.7 | 1065.4 | 1189.8 | 1220.5 | 1265.5 | 1357.5 | 1409.8 | 1422.3 |
| 50° | 101.0 | 122.6 | 355.1 | 537.2 | 1016.7 | 1137.5 | 1173.6 | 1220.5 | 1314.2 | 1362.8 | 1379.1 |
| 52.5° | 93.8 | 111.8 | 302.8 | 477.7 | 960.8 | 1083.5 | 1124.9 | 1173.6 | 1261.9 | 1308.8 | 1319.6 |
| 55° | 86.5 | 102.8 | 257.8 | 414.6 | 903.2 | 1025.7 | 1070.8 | 1117.7 | 1204.2 | 1243.8 | 1251.1 |
| 57.5° | 83.0 | 95.5 | 220.0 | 355.1 | 841.9 | 960.8 | 1011.3 | 1054.6 | 1135.7 | 1166.3 | 1173.6 |
| 60° | 77.5 | 90.1 | 191.1 | 304.6 | 775.2 | 899.5 | 942.8 | 986.0 | 1054.6 | 1079.8 | 1085.2 |
| 62.5° | 72.1 | 86.5 | 169.5 | 256.0 | 706.7 | 827.4 | 870.7 | 910.4 | 968.0 | 986.0 | 993.3 |
| 65° | 68.5 | 83.0 | 153.3 | 220.0 | 636.4 | 751.7 | 795.0 | 829.2 | 876.2 | 894.2 | 897.7 |
| 67.5° | 64.9 | 79.3 | 140.6 | 189.3 | 566.1 | 676.0 | 708.4 | 740.9 | 777.0 | 795.0 | 796.8 |
| 70° | 59.5 | 75.7 | 129.8 | 167.6 | 493.9 | 589.4 | 616.6 | 650.8 | 679.6 | 688.6 | 694.1 |
| 72.5° | 55.9 | 70.3 | 122.6 | 151.5 | 420.1 | 506.6 | 531.8 | 551.6 | 576.9 | 585.9 | 585.9 |
| 75° | 50.5 | 63.1 | 115.3 | 135.2 | 344.3 | 414.6 | 436.3 | 456.1 | 475.9 | 479.6 | 474.1 |
| 77.5° | 45.0 | 55.9 | 99.2 | 113.6 | 268.6 | 328.1 | 346.1 | 356.9 | 373.1 | 376.8 | 378.6 |
| 80° | 37.8 | 48.7 | 77.5 | 88.3 | 194.7 | 241.6 | 254.2 | 263.2 | 277.6 | 277.6 | 281.3 |
| 82.5° | 28.8 | 37.8 | 55.9 | 63.1 | 131.6 | 165.8 | 176.7 | 182.1 | 191.1 | 191.1 | 191.1 |
| 85° | 18.0 | 23.5 | 36.0 | 41.5 | 79.3 | 101.0 | 108.2 | 110.0 | 117.2 | 119.0 | 119.0 |
| 87.5° | 9.0 | 12.6 | 23.5 | 25.2 | 41.5 | 52.3 | 52.3 | 55.9 | 55.9 | 54.1 | 52.3 |
| 90° | 2.8 | 5.1 | 7.4 | 7.9 | 12.4 | 18.4 | 21.4 | 19.0 | 14.2 | 10.6 | 10.6 |
| 92.5° | 11.3 | 30.4 | 49.5 | 54.3 | 76.3 | 105.7 | 120.3 | 105.4 | 75.7 | 53.4 | 51.3 |
| 95° | 27.0 | 61.9 | 97.0 | 105.7 | 187.7 | 297.2 | 351.8 | 314.0 | 238.2 | 181.4 | 174.9 |
| 97.5° | 46.7 | 77.6 | 108.4 | 116.2 | 253.0 | 435.4 | 526.5 | 502.6 | 454.6 | 418.7 | 406.4 |
| 100° | 61.9 | 89.9 | 117.9 | 124.9 | 276.6 | 479.0 | 580.2 | 581.9 | 585.4 | 588.1 | 573.5 |
| 102.5° | 74.8 | 101.0 | 127.1 | 133.6 | 287.5 | 492.8 | 595.4 | 625.8 | 686.9 | 732.6 | 720.2 |
| 105° | 96.8 | 118.9 | 141.0 | 146.5 | 295.5 | 494.3 | 593.6 | 662.0 | 798.8 | 901.4 | 894.6 |
| 107.5° | 119.3 | 139.9 | 160.5 | 165.6 | 297.1 | 472.3 | 559.9 | 655.2 | 846.0 | 989.0 | 990.7 |
| 110° | 134.4 | 153.0 | 171.6 | 176.3 | 294.8 | 452.8 | 531.8 | 638.4 | 851.7 | 1011.6 | 1018.6 |



TEST NUMBER: P936840

CATALOG NUMBER: SQ4-FB-050U-100D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 149.4 | 167.1 | 184.8 | 189.3 | 294.9 | 435.8 | 506.2 | 615.4 | 833.6 | 997.2 | 1008.0 |
| 115° | 171.8 | 188.2 | 204.6 | 208.7 | 297.6 | 416.2 | 475.6 | 580.7 | 790.9 | 948.6 | 963.5 |
| 117.5° | 194.0 | 208.9 | 223.8 | 227.5 | 303.2 | 404.1 | 454.5 | 549.3 | 739.1 | 881.3 | 897.9 |
| 120° | 206.9 | 221.0 | 235.0 | 238.5 | 307.6 | 399.9 | 446.0 | 532.7 | 706.1 | 836.0 | 852.1 |
| 122.5° | 219.7 | 233.8 | 247.9 | 251.4 | 314.1 | 397.7 | 439.5 | 517.6 | 673.8 | 790.8 | 806.7 |
| 125° | 239.1 | 251.9 | 264.8 | 268.0 | 322.8 | 396.0 | 432.5 | 498.8 | 631.5 | 730.9 | 745.4 |
| 127.5° | 254.8 | 267.8 | 280.8 | 284.1 | 331.6 | 395.0 | 426.6 | 483.6 | 597.4 | 682.8 | 695.1 |
| 130° | 263.2 | 277.3 | 291.3 | 294.7 | 337.9 | 395.5 | 424.3 | 475.0 | 576.4 | 652.5 | 663.9 |
| 132.5° | 272.0 | 286.0 | 300.0 | 303.5 | 343.1 | 396.0 | 422.4 | 467.8 | 558.5 | 626.6 | 636.7 |
| 135° | 284.9 | 297.6 | 310.4 | 313.6 | 348.8 | 395.6 | 419.1 | 457.1 | 533.0 | 590.0 | 598.8 |
| 137.5° | 298.1 | 310.7 | 323.3 | 326.5 | 357.1 | 398.0 | 418.4 | 450.5 | 514.8 | 563.0 | 570.2 |
| 140° | 309.1 | 320.7 | 332.3 | 335.2 | 362.3 | 398.4 | 416.5 | 444.3 | 499.8 | 541.3 | 548.1 |
| 142.5° | 317.5 | 328.2 | 338.9 | 341.7 | 366.6 | 399.9 | 416.5 | 440.9 | 489.6 | 526.1 | 532.0 |
| 145° | 330.5 | 339.8 | 349.2 | 351.6 | 372.3 | 399.9 | 413.7 | 433.6 | 473.5 | 503.4 | 507.8 |
| 147.5° | 343.4 | 352.5 | 361.7 | 363.9 | 380.5 | 402.6 | 413.7 | 429.3 | 460.7 | 484.3 | 487.9 |
| 150° | 351.8 | 360.1 | 368.3 | 370.4 | 384.9 | 404.1 | 413.7 | 427.0 | 453.5 | 473.3 | 476.2 |
| 152.5° | 360.5 | 366.8 | 373.0 | 374.6 | 387.6 | 405.0 | 413.7 | 425.0 | 447.6 | 464.6 | 466.7 |
| 155° | 373.5 | 378.1 | 382.7 | 383.9 | 393.8 | 407.1 | 413.7 | 422.7 | 440.7 | 454.2 | 455.6 |
| 157.5° | 383.0 | 387.5 | 392.1 | 393.1 | 400.0 | 409.2 | 413.7 | 420.7 | 434.7 | 445.2 | 446.2 |
| 160° | 389.5 | 393.0 | 396.4 | 397.3 | 402.8 | 410.1 | 413.7 | 419.7 | 431.7 | 440.7 | 441.3 |
| 162.5° | 396.0 | 398.6 | 401.2 | 401.9 | 405.8 | 411.1 | 413.7 | 418.8 | 428.9 | 436.4 | 437.0 |
| 165° | 403.0 | 405.3 | 407.7 | 408.3 | 410.2 | 412.5 | 413.7 | 417.3 | 424.5 | 430.0 | 430.6 |
| 167.5° | 409.4 | 410.5 | 411.7 | 412.0 | 413.5 | 415.5 | 416.5 | 418.9 | 423.6 | 427.2 | 427.4 |
| 170° | 413.7 | 414.8 | 416.0 | 416.2 | 416.3 | 416.4 | 416.5 | 418.9 | 423.6 | 427.2 | 427.2 |
| 172.5° | 416.0 | 416.2 | 416.4 | 416.5 | 416.5 | 416.5 | 416.5 | 418.3 | 422.1 | 424.9 | 424.7 |
| 175° | 419.1 | 419.1 | 419.1 | 419.1 | 418.3 | 417.1 | 416.5 | 417.7 | 420.1 | 421.8 | 421.8 |
| 177.5° | 419.1 | 419.1 | 419.1 | 419.1 | 418.4 | 417.5 | 417.1 | 418.0 | 419.9 | 421.3 | 421.0 |
| 180° | 419.1 | 419.1 | 419.1 | 419.1 | 419.1 | 419.1 | 419.1 | 419.1 | 419.1 | 419.1 | 419.1 |



TEST NUMBER: P936840

CATALOG NUMBER: SQ4-FB-050U-100D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 560.6 | 560.6 |
| 2.5° | 598.5 | 594.9 |
| 5° | 769.7 | 773.4 |
| 7.5° | 1036.5 | 1034.8 |
| 10° | 1289.0 | 1305.1 |
| 12.5° | 1472.8 | 1476.4 |
| 15° | 1584.6 | 1591.8 |
| 17.5° | 1627.9 | 1629.6 |
| 20° | 1629.6 | 1626.1 |
| 22.5° | 1609.8 | 1606.2 |
| 25° | 1586.4 | 1584.6 |
| 27.5° | 1564.8 | 1566.6 |
| 30° | 1555.8 | 1561.1 |
| 32.5° | 1555.8 | 1564.8 |
| 35° | 1559.4 | 1568.4 |
| 37.5° | 1557.6 | 1568.4 |
| 40° | 1550.3 | 1562.9 |
| 42.5° | 1530.5 | 1539.6 |
| 45° | 1499.9 | 1510.6 |
| 47.5° | 1460.2 | 1467.4 |
| 50° | 1409.8 | 1416.9 |
| 52.5° | 1346.6 | 1348.4 |
| 55° | 1270.9 | 1278.1 |
| 57.5° | 1189.8 | 1191.6 |
| 60° | 1099.7 | 1105.0 |
| 62.5° | 1004.1 | 1004.1 |
| 65° | 903.2 | 906.7 |
| 67.5° | 798.6 | 807.6 |
| 70° | 692.2 | 694.1 |
| 72.5° | 587.7 | 587.7 |
| 75° | 479.6 | 481.3 |
| 77.5° | 376.8 | 376.8 |
| 80° | 279.4 | 281.3 |
| 82.5° | 192.9 | 196.5 |
| 85° | 120.8 | 120.8 |
| 87.5° | 55.9 | 50.5 |
| 90° | 10.6 | 10.6 |
| 92.5° | 42.8 | 34.3 |
| 95° | 149.2 | 123.4 |
| 97.5° | 357.5 | 308.5 |
| 100° | 515.1 | 456.7 |
| 102.5° | 670.1 | 620.1 |
| 105° | 867.8 | 840.9 |
| 107.5° | 997.1 | 1003.7 |
| 110° | 1046.5 | 1074.6 |



TEST NUMBER: P936840

CATALOG NUMBER: SQ4-FB-050U-100D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 1051.0 | 1093.9 |
| 115° | 1023.1 | 1082.7 |
| 117.5° | 964.0 | 1030.2 |
| 120° | 916.4 | 980.7 |
| 122.5° | 870.1 | 933.4 |
| 125° | 803.8 | 862.2 |
| 127.5° | 744.4 | 793.7 |
| 130° | 709.3 | 754.8 |
| 132.5° | 677.5 | 718.2 |
| 135° | 633.9 | 669.0 |
| 137.5° | 599.0 | 627.7 |
| 140° | 574.9 | 601.8 |
| 142.5° | 555.1 | 578.2 |
| 145° | 525.3 | 542.8 |
| 147.5° | 502.4 | 516.9 |
| 150° | 488.0 | 499.8 |
| 152.5° | 475.6 | 484.6 |
| 155° | 461.5 | 467.4 |
| 157.5° | 450.4 | 454.5 |
| 160° | 443.6 | 446.0 |
| 162.5° | 439.3 | 441.5 |
| 165° | 433.0 | 435.4 |
| 167.5° | 428.4 | 429.4 |
| 170° | 427.2 | 427.2 |
| 172.5° | 423.8 | 423.0 |
| 175° | 421.8 | 421.8 |
| 177.5° | 420.1 | 419.1 |
| 180° | 419.1 | 419.1 |



TEST NUMBER: P936840
 CATALOG NUMBER: SQ4-FB-050U-100D-92765-1D-UNV-STD-W-6-4000K

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 | 6.31 | 7.33 | 7.15 | 8.20 | 9.30 | 19.47 | 20.49 | 20.31 | 21.37 | 22.46 |
| | 3H | 7.02 | 7.95 | 7.88 | 8.83 | 9.95 | 21.32 | 22.24 | 22.17 | 23.12 | 24.24 |
| | 4H | 7.33 | 8.20 | 8.20 | 9.09 | 10.22 | 21.97 | 22.84 | 22.84 | 23.73 | 24.86 |
| | 6H | 7.59 | 8.40 | 8.47 | 9.29 | 10.43 | 22.40 | 23.21 | 23.28 | 24.10 | 25.25 |
| | 8H | 7.66 | 8.43 | 8.55 | 9.34 | 10.49 | 22.52 | 23.29 | 23.42 | 24.21 | 25.35 |
| | 12H | 7.68 | 8.42 | 8.58 | 9.32 | 10.50 | 22.60 | 23.33 | 23.49 | 24.24 | 25.41 |
| 4H | 2H | 13.53 | 14.41 | 14.41 | 15.29 | 16.42 | 19.76 | 20.64 | 20.64 | 21.53 | 22.66 |
| | 3H | 15.11 | 15.85 | 16.00 | 16.77 | 17.91 | 21.82 | 22.55 | 22.71 | 23.47 | 24.62 |
| | 4H | 15.22 | 15.89 | 16.12 | 16.80 | 17.97 | 22.59 | 23.26 | 23.49 | 24.17 | 25.35 |
| | 6H | 15.24 | 15.82 | 16.15 | 16.76 | 17.93 | 23.14 | 23.72 | 24.05 | 24.65 | 25.83 |
| | 8H | 15.22 | 15.76 | 16.14 | 16.69 | 17.88 | 23.30 | 23.84 | 24.22 | 24.78 | 25.96 |
| | 12H | 15.18 | 15.67 | 16.12 | 16.63 | 17.82 | 23.40 | 23.89 | 24.34 | 24.84 | 26.03 |
| 8H | 4H | 16.67 | 17.21 | 17.59 | 18.15 | 19.34 | 22.67 | 23.21 | 23.58 | 24.14 | 25.33 |
| | 6H | 16.92 | 17.37 | 17.87 | 18.35 | 19.53 | 23.30 | 23.75 | 24.24 | 24.72 | 25.91 |
| | 8H | 16.94 | 17.34 | 17.90 | 18.31 | 19.51 | 23.52 | 23.92 | 24.47 | 24.88 | 26.09 |
| | 12H | 16.92 | 17.27 | 17.88 | 18.23 | 19.48 | 23.67 | 24.02 | 24.63 | 24.98 | 26.23 |
| 12H | 4H | 16.82 | 17.31 | 17.76 | 18.26 | 19.46 | 22.63 | 23.12 | 23.56 | 24.07 | 25.26 |
| | 6H | 17.18 | 17.58 | 18.14 | 18.55 | 19.75 | 23.28 | 23.68 | 24.24 | 24.65 | 25.85 |
| | 8H | 17.26 | 17.61 | 18.22 | 18.57 | 19.82 | 23.52 | 23.87 | 24.48 | 24.83 | 26.08 |