

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: P936765

Luminaire Tested: SQ4-FB-050U-075D-93050-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936765
REPORT IS A COMBINATION OF REPORTS P933486 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-050U-075D-93050-1D-UNV-STD-W-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

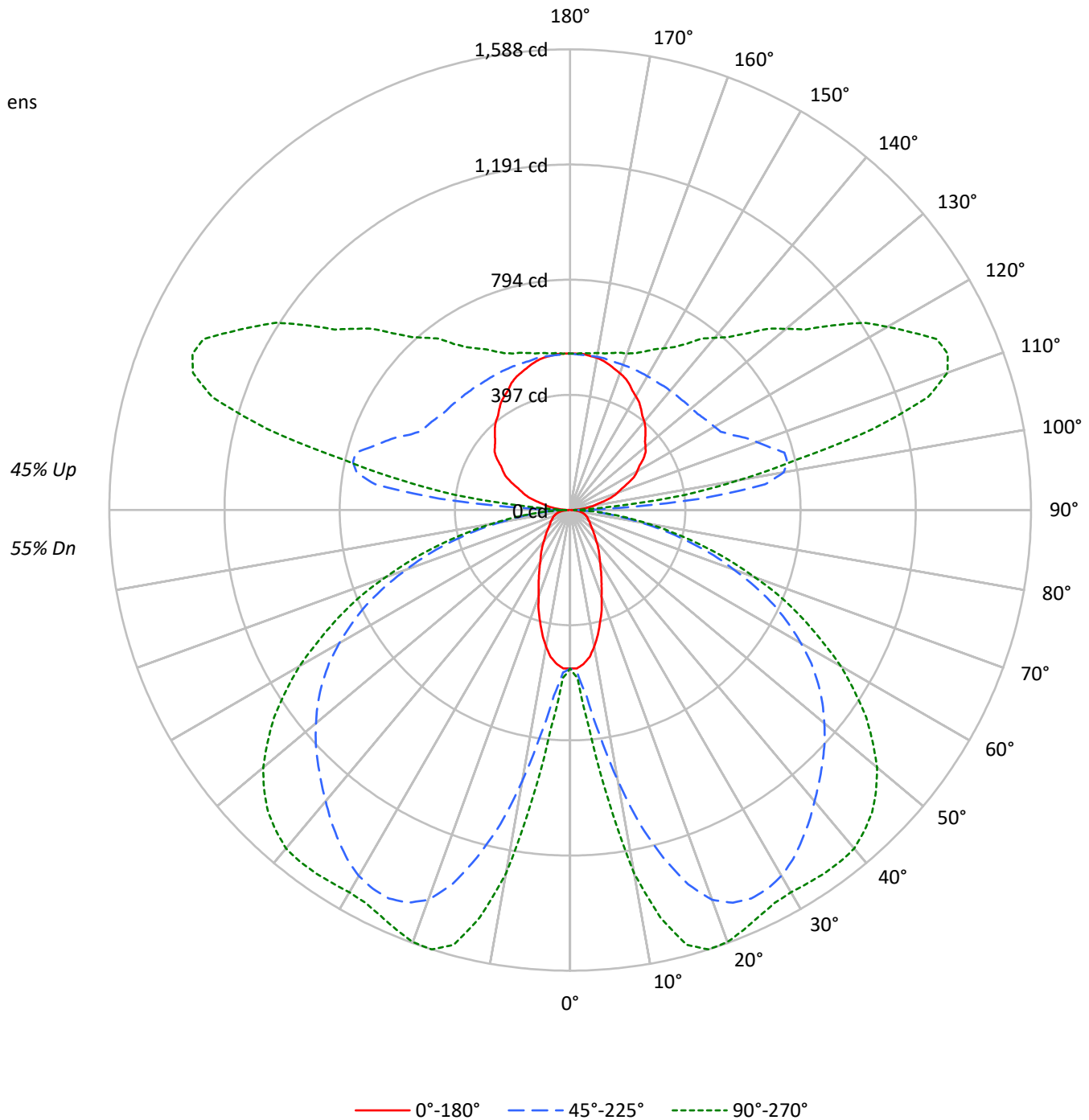
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7725.6 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 72.8
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: P936765
CATALOG NUMBER: SQ4-FB-050U-075D-93050-1D-UNV-STD-W-8-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P936765

CATALOG NUMBER: SQ4-FB-050U-075D-93050-1D-UNV-STD-W-8-3000K

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 | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 86 | 86 | 86 | 73 | 73 | 73 | 60 | 60 | 60 | 55 |
| 1 | 98 | 94 | 89 | 86 | 91 | 87 | 83 | 80 | 75 | 72 | 69 | 63 | 61 | 59 | 53 | 51 | 50 | 45 |
| 2 | 89 | 81 | 74 | 69 | 82 | 75 | 70 | 65 | 65 | 60 | 56 | 55 | 51 | 49 | 45 | 43 | 41 | 37 |
| 3 | 81 | 71 | 63 | 57 | 74 | 66 | 59 | 53 | 56 | 51 | 47 | 48 | 44 | 40 | 40 | 37 | 34 | 30 |
| 4 | 73 | 62 | 54 | 47 | 68 | 58 | 50 | 45 | 50 | 44 | 39 | 42 | 38 | 34 | 35 | 32 | 29 | 25 |
| 5 | 67 | 55 | 46 | 40 | 62 | 51 | 44 | 38 | 44 | 38 | 33 | 37 | 33 | 29 | 31 | 28 | 25 | 21 |
| 6 | 62 | 49 | 40 | 34 | 57 | 46 | 38 | 32 | 39 | 33 | 29 | 33 | 29 | 25 | 28 | 24 | 21 | 18 |
| 7 | 57 | 44 | 36 | 30 | 52 | 41 | 34 | 28 | 35 | 29 | 25 | 30 | 25 | 22 | 25 | 22 | 19 | 16 |
| 8 | 53 | 40 | 32 | 26 | 49 | 37 | 30 | 25 | 32 | 26 | 22 | 27 | 23 | 19 | 23 | 19 | 16 | 14 |
| 9 | 49 | 36 | 28 | 23 | 45 | 34 | 27 | 22 | 29 | 23 | 19 | 25 | 20 | 17 | 21 | 17 | 15 | 12 |
| 10 | 46 | 33 | 25 | 20 | 42 | 31 | 24 | 19 | 27 | 21 | 17 | 23 | 18 | 15 | 19 | 16 | 13 | 11 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2535 | 2535 | 2535 |
| 5° | 2476 | 2929 | 3407 |
| 10° | 2246 | 4270 | 5649 |
| 15° | 1909 | 5579 | 6821 |
| 20° | 1554 | 6466 | 6951 |
| 25° | 1296 | 6766 | 6810 |
| 30° | 1093 | 6809 | 6797 |
| 35° | 966 | 6696 | 6973 |
| 40° | 842 | 6549 | 7155 |
| 45° | 763 | 6441 | 7182 |
| 50° | 700 | 6344 | 7064 |
| 55° | 670 | 6203 | 6750 |
| 60° | 686 | 5930 | 6256 |
| 65° | 714 | 5516 | 5577 |
| 70° | 761 | 4811 | 4711 |
| 75° | 843 | 3922 | 3676 |
| 80° | 921 | 2720 | 2477 |
| 85° | 820 | 1443 | 1268 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 7182 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 70.7 | 0.9 |
| 10°-20° | 313.2 | 4.1 |
| 20°-30° | 547.9 | 7.1 |
| 30°-40° | 705.3 | 9.1 |
| 40°-50° | 787.7 | 10.2 |
| 50°-60° | 754.5 | 9.8 |
| 60°-70° | 597.9 | 7.7 |
| 70°-80° | 351.6 | 4.6 |
| 80°-90° | 99.7 | 1.3 |
| 90°-100° | 263.0 | 3.4 |
| 100°-110° | 691.3 | 8.9 |
| 110°-120° | 716.8 | 9.3 |
| 120°-130° | 575.0 | 7.4 |
| 130°-140° | 451.2 | 5.8 |
| 140°-150° | 346.3 | 4.5 |
| 150°-160° | 249.4 | 3.2 |
| 160°-170° | 152.6 | 2.0 |
| 170°-180° | 51.6 | 0.7 |
| 0°-30° | 931.7 | 12.1 |
| 0°-40° | 1637.0 | 21.2 |
| 0°-60° | 3179.2 | 41.2 |
| 0°-90° | 4228.4 | 54.7 |
| 90°-120° | 1671.1 | 21.6 |
| 90°-150° | 3043.6 | 39.4 |
| 90°-180° | 3497.0 | 45.3 |
| 0°-180° | 7725.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|------|-------|------|------|
| 0° | 546 | 546 | 546 | 546 | 546 | |
| 5° | 532 | 571 | 643 | 727 | 754 | 49 |
| 15° | 399 | 736 | 1240 | 1504 | 1551 | 111 |
| 25° | 255 | 834 | 1477 | 1542 | 1544 | 117 |
| 35° | 172 | 798 | 1391 | 1470 | 1528 | 107 |
| 45° | 118 | 636 | 1230 | 1409 | 1472 | 91 |
| 55° | 84 | 404 | 1044 | 1212 | 1246 | 77 |
| 65° | 67 | 214 | 775 | 871 | 884 | 66 |
| 75° | 49 | 132 | 425 | 467 | 469 | 52 |
| 85° | 18 | 40 | 105 | 116 | 118 | 19 |
| 90° | 4 | 10 | 28 | 14 | 14 | 4 |
| 95° | 35 | 136 | 453 | 234 | 159 | 39 |
| 105° | 124 | 189 | 764 | 1160 | 1082 | 132 |
| 115° | 221 | 269 | 612 | 1221 | 1394 | 218 |
| 125° | 308 | 345 | 557 | 941 | 1110 | 273 |
| 135° | 367 | 404 | 540 | 760 | 861 | 284 |
| 145° | 425 | 453 | 533 | 648 | 699 | 267 |
| 155° | 481 | 494 | 533 | 585 | 602 | 221 |
| 165° | 519 | 526 | 533 | 554 | 560 | 146 |
| 175° | 540 | 540 | 536 | 543 | 543 | 51 |
| 180° | 540 | 540 | 540 | 540 | 540 | |



TEST NUMBER: P936765

CATALOG NUMBER: SQ4-FB-050U-075D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 546.3 | 546.3 | 546.3 | 546.3 | 546.3 | 546.3 | 546.3 | 546.3 | 546.3 | 546.3 | 546.3 |
| 2.5° | 546.3 | 546.3 | 549.8 | 551.6 | 555.1 | 556.8 | 560.4 | 563.9 | 574.4 | 576.2 | 579.7 |
| 5° | 532.3 | 539.3 | 562.1 | 570.9 | 595.5 | 628.9 | 642.9 | 665.8 | 713.2 | 727.2 | 736.0 |
| 7.5° | 511.2 | 527.0 | 583.2 | 597.2 | 658.7 | 746.6 | 783.4 | 832.6 | 908.2 | 945.1 | 974.9 |
| 10° | 477.8 | 511.2 | 611.3 | 644.7 | 744.8 | 878.3 | 946.8 | 1015.4 | 1129.6 | 1180.5 | 1199.8 |
| 12.5° | 440.9 | 495.4 | 641.2 | 686.8 | 830.9 | 1025.9 | 1108.5 | 1184.0 | 1314.0 | 1382.5 | 1393.1 |
| 15° | 398.7 | 472.5 | 669.3 | 736.0 | 922.2 | 1148.9 | 1240.2 | 1333.3 | 1454.6 | 1503.7 | 1516.0 |
| 17.5° | 361.9 | 455.0 | 695.6 | 765.9 | 992.5 | 1259.6 | 1352.7 | 1430.0 | 1528.3 | 1561.7 | 1570.5 |
| 20° | 316.2 | 426.9 | 713.2 | 804.5 | 1066.3 | 1340.4 | 1430.0 | 1489.7 | 1556.4 | 1577.5 | 1581.0 |
| 22.5° | 282.8 | 397.0 | 723.7 | 818.6 | 1115.5 | 1389.6 | 1465.1 | 1512.5 | 1558.2 | 1565.2 | 1567.0 |
| 25° | 254.7 | 363.6 | 722.0 | 834.4 | 1157.7 | 1419.4 | 1477.4 | 1512.5 | 1538.9 | 1542.4 | 1542.4 |
| 27.5° | 228.4 | 326.7 | 714.9 | 837.9 | 1189.3 | 1426.4 | 1472.1 | 1496.7 | 1509.0 | 1516.0 | 1516.0 |
| 30° | 205.5 | 291.6 | 697.4 | 830.9 | 1203.4 | 1419.4 | 1456.3 | 1468.6 | 1480.9 | 1491.4 | 1496.7 |
| 32.5° | 188.0 | 258.2 | 671.0 | 816.8 | 1205.1 | 1401.9 | 1428.2 | 1435.2 | 1452.8 | 1477.4 | 1486.2 |
| 35° | 172.1 | 224.8 | 641.2 | 797.5 | 1194.6 | 1373.8 | 1391.3 | 1398.3 | 1433.5 | 1470.4 | 1482.7 |
| 37.5° | 156.3 | 200.3 | 602.5 | 764.1 | 1178.8 | 1340.4 | 1352.7 | 1365.0 | 1419.4 | 1463.3 | 1477.4 |
| 40° | 140.5 | 179.2 | 556.8 | 727.2 | 1154.2 | 1300.0 | 1310.5 | 1329.8 | 1401.9 | 1452.8 | 1466.9 |
| 42.5° | 128.2 | 161.6 | 507.7 | 688.6 | 1122.6 | 1254.3 | 1270.1 | 1298.2 | 1380.8 | 1435.2 | 1451.0 |
| 45° | 117.7 | 144.0 | 455.0 | 635.9 | 1082.2 | 1206.9 | 1229.7 | 1268.4 | 1356.2 | 1408.9 | 1422.9 |
| 47.5° | 107.2 | 131.7 | 400.5 | 581.4 | 1038.2 | 1159.4 | 1189.3 | 1233.2 | 1322.8 | 1373.8 | 1386.0 |
| 50° | 98.4 | 119.4 | 346.1 | 523.5 | 990.7 | 1108.5 | 1143.6 | 1189.3 | 1280.7 | 1328.1 | 1343.9 |
| 52.5° | 91.3 | 108.9 | 295.1 | 465.5 | 936.3 | 1055.8 | 1096.2 | 1143.6 | 1229.7 | 1275.4 | 1285.9 |
| 55° | 84.3 | 100.1 | 251.2 | 404.0 | 880.1 | 999.6 | 1043.5 | 1089.2 | 1173.5 | 1212.1 | 1219.2 |
| 57.5° | 80.8 | 93.1 | 214.3 | 346.1 | 820.3 | 936.3 | 985.5 | 1027.7 | 1106.7 | 1136.6 | 1143.6 |
| 60° | 75.5 | 87.8 | 186.2 | 296.9 | 755.3 | 876.5 | 918.7 | 960.9 | 1027.7 | 1052.3 | 1057.6 |
| 62.5° | 70.3 | 84.3 | 165.1 | 249.4 | 688.6 | 806.3 | 848.4 | 887.1 | 943.3 | 960.9 | 967.9 |
| 65° | 66.8 | 80.8 | 149.3 | 214.3 | 620.1 | 732.5 | 774.7 | 808.0 | 853.7 | 871.3 | 874.8 |
| 67.5° | 63.2 | 77.3 | 137.0 | 184.4 | 551.6 | 658.7 | 690.3 | 722.0 | 757.1 | 774.7 | 776.4 |
| 70° | 58.0 | 73.8 | 126.5 | 163.4 | 481.3 | 574.4 | 600.8 | 634.1 | 662.2 | 671.0 | 676.3 |
| 72.5° | 54.5 | 68.5 | 119.4 | 147.6 | 409.3 | 493.6 | 518.2 | 537.5 | 562.1 | 570.9 | 570.9 |
| 75° | 49.2 | 61.5 | 112.4 | 131.7 | 335.5 | 404.0 | 425.1 | 444.4 | 463.7 | 467.3 | 462.0 |
| 77.5° | 43.9 | 54.5 | 96.6 | 110.7 | 261.7 | 319.7 | 337.3 | 347.8 | 363.6 | 367.1 | 368.9 |
| 80° | 36.9 | 47.4 | 75.5 | 86.1 | 189.7 | 235.4 | 247.7 | 256.5 | 270.5 | 270.5 | 274.0 |
| 82.5° | 28.1 | 36.9 | 54.5 | 61.5 | 128.2 | 161.6 | 172.1 | 177.4 | 186.2 | 186.2 | 186.2 |
| 85° | 17.6 | 22.8 | 35.1 | 40.4 | 77.3 | 98.4 | 105.4 | 107.2 | 114.2 | 115.9 | 115.9 |
| 87.5° | 8.8 | 12.3 | 22.8 | 24.6 | 40.4 | 50.9 | 50.9 | 54.5 | 54.5 | 52.7 | 50.9 |
| 90° | 3.6 | 6.5 | 9.4 | 10.1 | 15.9 | 23.6 | 27.5 | 24.4 | 18.4 | 13.8 | 13.8 |
| 92.5° | 14.5 | 39.1 | 63.8 | 69.9 | 98.3 | 136.0 | 154.9 | 135.8 | 97.5 | 68.8 | 66.0 |
| 95° | 34.8 | 79.8 | 124.9 | 136.1 | 241.7 | 382.5 | 452.9 | 404.2 | 306.7 | 233.5 | 225.3 |
| 97.5° | 60.1 | 99.8 | 139.6 | 149.5 | 325.6 | 560.4 | 677.8 | 647.0 | 585.3 | 539.1 | 523.3 |
| 100° | 79.7 | 115.7 | 151.7 | 160.7 | 356.2 | 616.7 | 746.9 | 749.2 | 753.7 | 757.0 | 738.2 |
| 102.5° | 96.3 | 130.0 | 163.5 | 172.0 | 370.1 | 634.4 | 766.5 | 805.8 | 884.3 | 943.1 | 927.0 |
| 105° | 124.5 | 153.0 | 181.5 | 188.7 | 380.6 | 636.4 | 764.3 | 852.3 | 1028.4 | 1160.4 | 1151.7 |
| 107.5° | 153.5 | 180.1 | 206.6 | 213.3 | 382.4 | 608.0 | 720.8 | 843.6 | 1089.2 | 1273.4 | 1275.5 |
| 110° | 173.0 | 197.0 | 221.1 | 227.0 | 379.6 | 582.9 | 684.6 | 821.9 | 1096.4 | 1302.3 | 1311.3 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 112.5° | 192.3 | 215.1 | 237.9 | 243.6 | 379.7 | 561.1 | 651.7 | 792.1 | 1073.1 | 1283.8 | 1297.7 |
| 115° | 221.2 | 242.3 | 263.4 | 268.7 | 383.2 | 535.9 | 612.3 | 747.6 | 1018.2 | 1221.2 | 1240.3 |
| 117.5° | 249.8 | 268.9 | 288.1 | 292.9 | 390.3 | 520.1 | 585.0 | 707.2 | 951.5 | 1134.7 | 1155.9 |
| 120° | 266.5 | 284.5 | 302.6 | 307.1 | 396.1 | 514.9 | 574.2 | 685.8 | 909.0 | 1076.4 | 1097.0 |
| 122.5° | 282.7 | 300.9 | 319.1 | 323.7 | 404.4 | 512.0 | 565.9 | 666.4 | 867.4 | 1018.1 | 1038.5 |
| 125° | 307.8 | 324.3 | 340.9 | 345.0 | 415.6 | 509.8 | 556.8 | 642.2 | 813.0 | 941.0 | 959.8 |
| 127.5° | 328.0 | 344.7 | 361.4 | 365.6 | 426.9 | 508.4 | 549.2 | 622.5 | 769.1 | 879.1 | 894.9 |
| 130° | 338.8 | 356.9 | 374.9 | 379.4 | 435.0 | 509.2 | 546.3 | 611.6 | 742.1 | 839.9 | 854.6 |
| 132.5° | 350.1 | 368.1 | 386.2 | 390.7 | 441.7 | 509.8 | 543.8 | 602.3 | 719.1 | 806.6 | 819.7 |
| 135° | 366.8 | 383.2 | 399.5 | 403.7 | 448.9 | 509.2 | 539.5 | 588.4 | 686.2 | 759.6 | 770.9 |
| 137.5° | 383.8 | 400.1 | 416.3 | 420.4 | 459.8 | 512.4 | 538.7 | 580.1 | 662.9 | 724.9 | 734.1 |
| 140° | 397.9 | 412.9 | 427.8 | 431.6 | 466.5 | 512.9 | 536.2 | 571.9 | 643.4 | 696.9 | 705.5 |
| 142.5° | 408.8 | 422.6 | 436.4 | 439.9 | 472.0 | 514.8 | 536.2 | 567.6 | 630.4 | 677.4 | 684.9 |
| 145° | 425.4 | 437.5 | 449.6 | 452.6 | 479.3 | 514.9 | 532.6 | 558.2 | 609.6 | 648.1 | 653.7 |
| 147.5° | 442.0 | 453.8 | 465.6 | 468.5 | 489.8 | 518.4 | 532.6 | 552.8 | 593.1 | 623.4 | 628.1 |
| 150° | 452.9 | 463.6 | 474.2 | 476.8 | 495.4 | 520.2 | 532.6 | 549.6 | 583.8 | 609.4 | 613.1 |
| 152.5° | 464.2 | 472.3 | 480.3 | 482.3 | 499.1 | 521.4 | 532.6 | 547.2 | 576.3 | 598.1 | 601.0 |
| 155° | 480.8 | 486.8 | 492.7 | 494.2 | 507.0 | 524.1 | 532.6 | 544.2 | 567.3 | 584.7 | 586.6 |
| 157.5° | 493.1 | 498.9 | 504.7 | 506.2 | 514.9 | 526.7 | 532.6 | 541.6 | 559.6 | 573.1 | 574.4 |
| 160° | 501.4 | 506.0 | 510.5 | 511.6 | 518.6 | 527.9 | 532.6 | 540.3 | 555.7 | 567.3 | 568.1 |
| 162.5° | 509.8 | 513.2 | 516.5 | 517.4 | 522.5 | 529.3 | 532.6 | 539.1 | 552.2 | 561.9 | 562.6 |
| 165° | 518.8 | 521.9 | 524.9 | 525.7 | 527.9 | 531.0 | 532.6 | 537.3 | 546.6 | 553.6 | 554.4 |
| 167.5° | 527.2 | 528.6 | 530.1 | 530.4 | 532.3 | 534.9 | 536.2 | 539.3 | 545.4 | 550.0 | 550.3 |
| 170° | 532.6 | 534.0 | 535.5 | 535.9 | 535.9 | 536.1 | 536.2 | 539.3 | 545.4 | 550.0 | 550.0 |
| 172.5° | 535.5 | 535.9 | 536.1 | 536.2 | 536.2 | 536.2 | 536.2 | 538.7 | 543.5 | 547.1 | 546.8 |
| 175° | 539.5 | 539.5 | 539.5 | 539.5 | 538.4 | 536.9 | 536.2 | 537.7 | 540.8 | 543.1 | 543.1 |
| 177.5° | 539.5 | 539.5 | 539.5 | 539.5 | 538.6 | 537.4 | 536.9 | 538.1 | 540.5 | 542.4 | 542.0 |
| 180° | 539.5 | 539.5 | 539.5 | 539.5 | 539.5 | 539.5 | 539.5 | 539.5 | 539.5 | 539.5 | 539.5 |



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CATALOG NUMBER: SQ4-FB-050U-075D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 546.3 | 546.3 |
| 2.5° | 583.2 | 579.7 |
| 5° | 750.1 | 753.6 |
| 7.5° | 1010.1 | 1008.4 |
| 10° | 1256.1 | 1271.9 |
| 12.5° | 1435.2 | 1438.7 |
| 15° | 1544.1 | 1551.2 |
| 17.5° | 1586.3 | 1588.1 |
| 20° | 1588.1 | 1584.5 |
| 22.5° | 1568.7 | 1565.2 |
| 25° | 1545.9 | 1544.1 |
| 27.5° | 1524.8 | 1526.6 |
| 30° | 1516.0 | 1521.3 |
| 32.5° | 1516.0 | 1524.8 |
| 35° | 1519.5 | 1528.3 |
| 37.5° | 1517.8 | 1528.3 |
| 40° | 1510.8 | 1523.1 |
| 42.5° | 1491.4 | 1500.2 |
| 45° | 1461.6 | 1472.1 |
| 47.5° | 1422.9 | 1430.0 |
| 50° | 1373.8 | 1380.8 |
| 52.5° | 1312.3 | 1314.0 |
| 55° | 1238.5 | 1245.5 |
| 57.5° | 1159.4 | 1161.2 |
| 60° | 1071.6 | 1076.9 |
| 62.5° | 978.4 | 978.4 |
| 65° | 880.1 | 883.6 |
| 67.5° | 778.2 | 787.0 |
| 70° | 674.5 | 676.3 |
| 72.5° | 572.7 | 572.7 |
| 75° | 467.3 | 469.0 |
| 77.5° | 367.1 | 367.1 |
| 80° | 272.3 | 274.0 |
| 82.5° | 188.0 | 191.5 |
| 85° | 117.7 | 117.7 |
| 87.5° | 54.5 | 49.2 |
| 90° | 13.8 | 13.8 |
| 92.5° | 55.1 | 44.2 |
| 95° | 192.1 | 159.0 |
| 97.5° | 460.2 | 397.2 |
| 100° | 663.1 | 587.9 |
| 102.5° | 862.7 | 798.3 |
| 105° | 1117.1 | 1082.5 |
| 107.5° | 1283.8 | 1292.2 |
| 110° | 1347.3 | 1383.4 |



TEST NUMBER: P936765

CATALOG NUMBER: SQ4-FB-050U-075D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 1353.0 | 1408.4 |
| 115° | 1317.1 | 1393.9 |
| 117.5° | 1241.1 | 1326.2 |
| 120° | 1179.7 | 1262.5 |
| 122.5° | 1120.1 | 1201.7 |
| 125° | 1034.9 | 1110.1 |
| 127.5° | 958.3 | 1021.7 |
| 130° | 913.2 | 971.8 |
| 132.5° | 872.2 | 924.7 |
| 135° | 816.1 | 861.3 |
| 137.5° | 771.1 | 808.1 |
| 140° | 740.1 | 774.7 |
| 142.5° | 714.6 | 744.4 |
| 145° | 676.3 | 698.8 |
| 147.5° | 646.8 | 665.5 |
| 150° | 628.2 | 643.4 |
| 152.5° | 612.4 | 623.9 |
| 155° | 594.2 | 601.7 |
| 157.5° | 579.8 | 585.0 |
| 160° | 571.2 | 574.2 |
| 162.5° | 565.5 | 568.4 |
| 165° | 557.4 | 560.4 |
| 167.5° | 551.6 | 552.9 |
| 170° | 550.0 | 550.0 |
| 172.5° | 545.7 | 544.5 |
| 175° | 543.1 | 543.1 |
| 177.5° | 540.8 | 539.5 |
| 180° | 539.5 | 539.5 |



TEST NUMBER: P936765
 CATALOG NUMBER: SQ4-FB-050U-075D-93050-1D-UNV-STD-W-8-3000K

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 | 4.66 | 5.61 | 5.56 | 6.54 | 7.74 | 17.84 | 18.78 | 18.74 | 19.72 | 20.92 |
| | 3H | 5.37 | 6.22 | 6.29 | 7.16 | 8.39 | 19.68 | 20.54 | 20.60 | 21.48 | 22.70 |
| | 4H | 5.67 | 6.48 | 6.61 | 7.43 | 8.66 | 20.33 | 21.14 | 21.26 | 22.09 | 23.32 |
| | 6H | 5.93 | 6.67 | 6.87 | 7.63 | 8.87 | 20.77 | 21.51 | 21.71 | 22.46 | 23.71 |
| | 8H | 6.00 | 6.71 | 6.95 | 7.68 | 8.92 | 20.89 | 21.60 | 21.84 | 22.57 | 23.81 |
| | 12H | 6.02 | 6.70 | 6.98 | 7.66 | 8.93 | 20.96 | 21.64 | 21.92 | 22.60 | 23.87 |
| 4H | 2H | 11.88 | 12.69 | 12.82 | 13.64 | 14.87 | 18.12 | 18.93 | 19.06 | 19.88 | 21.11 |
| | 3H | 13.46 | 14.14 | 14.41 | 15.11 | 16.36 | 20.17 | 20.85 | 21.12 | 21.83 | 23.07 |
| | 4H | 13.56 | 14.18 | 14.52 | 15.15 | 16.42 | 20.95 | 21.56 | 21.91 | 22.54 | 23.81 |
| | 6H | 13.57 | 14.11 | 14.55 | 15.10 | 16.37 | 21.49 | 22.03 | 22.46 | 23.02 | 24.29 |
| | 8H | 13.55 | 14.05 | 14.53 | 15.04 | 16.33 | 21.65 | 22.16 | 22.63 | 23.14 | 24.43 |
| | 12H | 13.51 | 13.97 | 14.51 | 14.97 | 16.26 | 21.75 | 22.21 | 22.75 | 23.21 | 24.50 |
| 8H | 4H | 15.01 | 15.51 | 15.98 | 16.50 | 17.78 | 21.01 | 21.51 | 21.99 | 22.50 | 23.79 |
| | 6H | 15.26 | 15.67 | 16.26 | 16.70 | 17.98 | 21.65 | 22.06 | 22.65 | 23.09 | 24.37 |
| | 8H | 15.28 | 15.64 | 16.28 | 16.66 | 17.96 | 21.87 | 22.24 | 22.88 | 23.25 | 24.55 |
| | 12H | 15.25 | 15.57 | 16.26 | 16.58 | 17.93 | 22.02 | 22.34 | 23.03 | 23.35 | 24.70 |
| 12H | 4H | 15.16 | 15.61 | 16.15 | 16.61 | 17.91 | 20.97 | 21.42 | 21.97 | 22.43 | 23.72 |
| | 6H | 15.52 | 15.88 | 16.52 | 16.90 | 18.20 | 21.63 | 22.00 | 22.64 | 23.02 | 24.32 |
| | 8H | 15.59 | 15.91 | 16.60 | 16.92 | 18.27 | 21.87 | 22.19 | 22.88 | 23.20 | 24.55 |