

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: P936533

Luminaire Tested: SQ4-FB-025U-125D-92765-1D-UNV-STD-W-4-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936533
REPORT IS A COMBINATION OF REPORTS P933440 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-025U-125D-92765-1D-UNV-STD-W-4-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

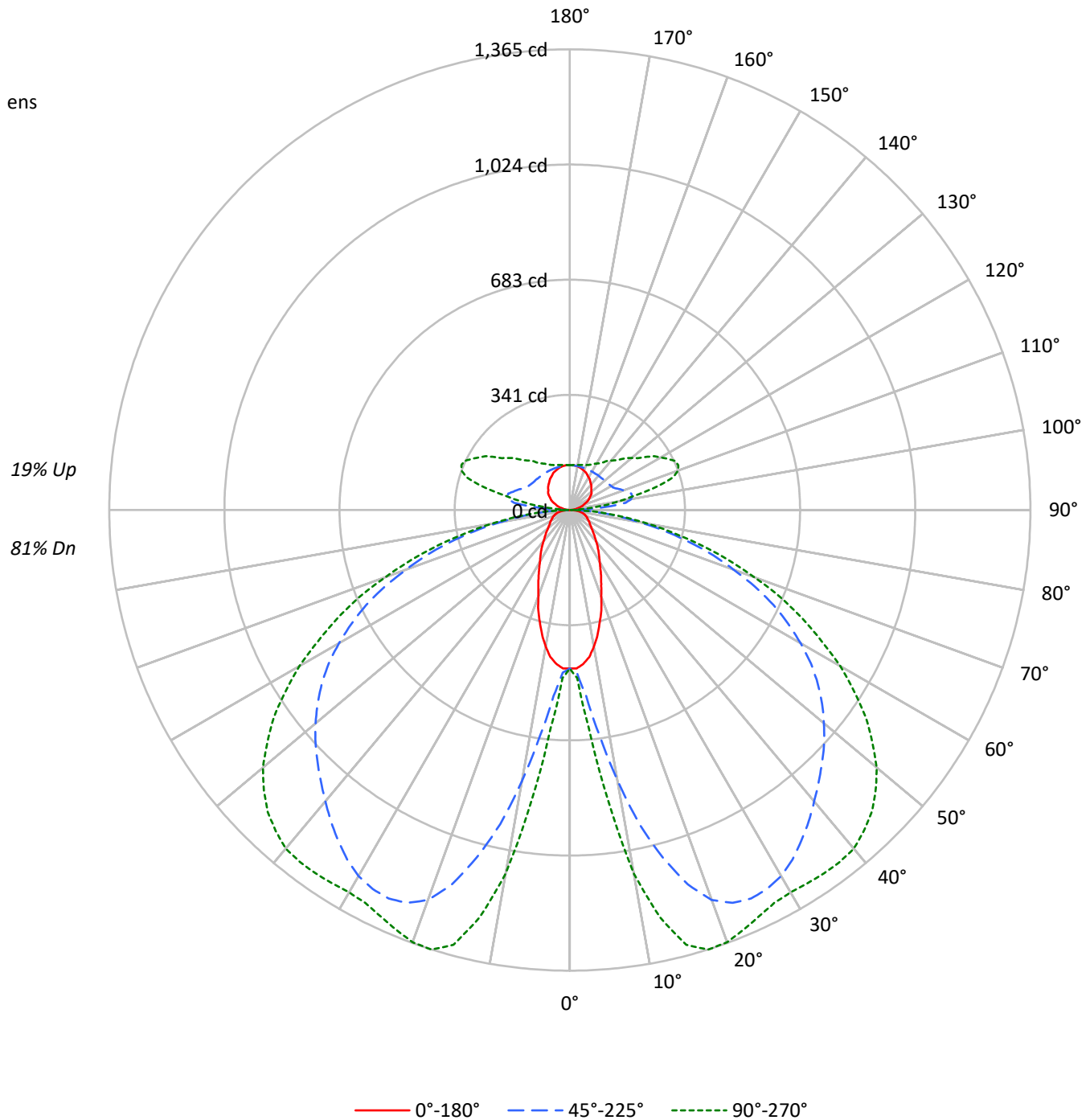
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4497.9 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 49.6
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: P936533
CATALOG NUMBER: SQ4-FB-025U-125D-92765-1D-UNV-STD-W-4-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P936533

CATALOG NUMBER: SQ4-FB-025U-125D-92765-1D-UNV-STD-W-4-3500K

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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 114 | 114 | 114 | 114 | 110 | 110 | 110 | 110 | 100 | 100 | 100 | 92 | 92 | 92 | 84 | 84 | 84 | 84 | 84 | 84 | 81 |
| 1 | 104 | 99 | 94 | 90 | 99 | 95 | 91 | 87 | 87 | 84 | 81 | 80 | 77 | 75 | 73 | 71 | 70 | 70 | 70 | 70 | 66 |
| 2 | 94 | 85 | 78 | 72 | 89 | 82 | 75 | 70 | 75 | 70 | 66 | 69 | 65 | 61 | 63 | 60 | 57 | 57 | 57 | 57 | 54 |
| 3 | 85 | 74 | 66 | 59 | 81 | 71 | 64 | 58 | 65 | 59 | 54 | 60 | 55 | 51 | 55 | 51 | 48 | 48 | 48 | 48 | 45 |
| 4 | 77 | 65 | 56 | 49 | 74 | 63 | 54 | 48 | 58 | 51 | 45 | 53 | 47 | 43 | 49 | 44 | 40 | 40 | 40 | 40 | 37 |
| 5 | 71 | 58 | 49 | 42 | 67 | 55 | 47 | 41 | 51 | 44 | 39 | 47 | 41 | 36 | 43 | 38 | 34 | 34 | 34 | 34 | 32 |
| 6 | 65 | 51 | 42 | 36 | 62 | 49 | 41 | 35 | 46 | 39 | 33 | 42 | 36 | 31 | 39 | 34 | 30 | 30 | 30 | 30 | 27 |
| 7 | 60 | 46 | 37 | 31 | 57 | 45 | 36 | 30 | 41 | 34 | 29 | 38 | 32 | 27 | 35 | 30 | 26 | 26 | 26 | 26 | 24 |
| 8 | 55 | 42 | 33 | 27 | 53 | 40 | 32 | 27 | 37 | 30 | 25 | 35 | 29 | 24 | 32 | 27 | 23 | 23 | 23 | 23 | 21 |
| 9 | 52 | 38 | 30 | 24 | 49 | 37 | 29 | 24 | 34 | 27 | 23 | 32 | 26 | 22 | 29 | 24 | 20 | 20 | 20 | 20 | 18 |
| 10 | 48 | 35 | 27 | 22 | 46 | 34 | 26 | 21 | 31 | 25 | 20 | 29 | 23 | 19 | 27 | 22 | 18 | 18 | 18 | 18 | 16 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|-------|-------|
| 0° | 4358 | 4358 | 4358 |
| 5° | 4253 | 5034 | 5859 |
| 10° | 3854 | 7333 | 9713 |
| 15° | 3272 | 9573 | 11729 |
| 20° | 2661 | 11086 | 11953 |
| 25° | 2216 | 11592 | 11711 |
| 30° | 1866 | 11656 | 11688 |
| 35° | 1648 | 11453 | 11990 |
| 40° | 1434 | 11193 | 12303 |
| 45° | 1296 | 10999 | 12351 |
| 50° | 1186 | 10822 | 12147 |
| 55° | 1132 | 10568 | 11608 |
| 60° | 1156 | 10091 | 10758 |
| 65° | 1196 | 9370 | 9589 |
| 70° | 1264 | 8156 | 8101 |
| 75° | 1387 | 6632 | 6323 |
| 80° | 1484 | 4584 | 4261 |
| 85° | 1250 | 2418 | 2180 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 12351 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 60.8 | 1.4 |
| 10°-20° | 269.3 | 6.0 |
| 20°-30° | 471.0 | 10.5 |
| 30°-40° | 606.4 | 13.5 |
| 40°-50° | 677.3 | 15.1 |
| 50°-60° | 648.7 | 14.4 |
| 60°-70° | 514.1 | 11.4 |
| 70°-80° | 302.3 | 6.7 |
| 80°-90° | 84.5 | 1.9 |
| 90°-100° | 64.9 | 1.4 |
| 100°-110° | 170.7 | 3.8 |
| 110°-120° | 177.0 | 3.9 |
| 120°-130° | 142.0 | 3.2 |
| 130°-140° | 111.4 | 2.5 |
| 140°-150° | 85.5 | 1.9 |
| 150°-160° | 61.6 | 1.4 |
| 160°-170° | 37.7 | 0.8 |
| 170°-180° | 12.7 | 0.3 |
| 0°-30° | 801.1 | 17.8 |
| 0°-40° | 1407.5 | 31.3 |
| 0°-60° | 2733.5 | 60.8 |
| 0°-90° | 3634.4 | 80.8 |
| 90°-120° | 412.7 | 9.2 |
| 90°-150° | 751.6 | 16.7 |
| 90°-180° | 864.0 | 19.2 |
| 0°-180° | 4497.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|------|-------|------|------|
| 0° | 470 | 470 | 470 | 470 | 470 | |
| 5° | 458 | 491 | 553 | 625 | 648 | 42 |
| 15° | 343 | 633 | 1066 | 1293 | 1334 | 95 |
| 25° | 219 | 717 | 1270 | 1326 | 1328 | 101 |
| 35° | 148 | 686 | 1196 | 1264 | 1314 | 92 |
| 45° | 101 | 547 | 1057 | 1211 | 1266 | 78 |
| 55° | 72 | 347 | 897 | 1042 | 1071 | 66 |
| 65° | 57 | 184 | 666 | 749 | 760 | 57 |
| 75° | 42 | 113 | 366 | 402 | 403 | 44 |
| 85° | 15 | 35 | 91 | 100 | 101 | 16 |
| 90° | 1 | 2 | 7 | 3 | 3 | 2 |
| 95° | 9 | 34 | 112 | 58 | 39 | 10 |
| 105° | 31 | 47 | 189 | 286 | 267 | 33 |
| 115° | 55 | 66 | 151 | 302 | 344 | 54 |
| 125° | 76 | 85 | 138 | 232 | 274 | 67 |
| 135° | 91 | 100 | 133 | 188 | 213 | 70 |
| 145° | 105 | 112 | 132 | 160 | 172 | 66 |
| 155° | 119 | 122 | 132 | 144 | 149 | 55 |
| 165° | 128 | 130 | 132 | 137 | 138 | 36 |
| 175° | 133 | 133 | 132 | 134 | 134 | 13 |
| 180° | 133 | 133 | 133 | 133 | 133 | |



TEST NUMBER: P936533

CATALOG NUMBER: SQ4-FB-025U-125D-92765-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 469.7 | 469.7 | 469.7 | 469.7 | 469.7 | 469.7 | 469.7 | 469.7 | 469.7 | 469.7 | 469.7 |
| 2.5° | 469.7 | 469.7 | 472.7 | 474.2 | 477.3 | 478.8 | 481.8 | 484.9 | 493.9 | 495.4 | 498.4 |
| 5° | 457.6 | 463.7 | 483.4 | 490.9 | 512.0 | 540.7 | 552.8 | 572.4 | 613.2 | 625.3 | 632.9 |
| 7.5° | 439.5 | 453.1 | 501.5 | 513.5 | 566.4 | 641.9 | 673.7 | 716.0 | 780.9 | 812.6 | 838.3 |
| 10° | 410.8 | 439.5 | 525.6 | 554.3 | 640.4 | 755.2 | 814.1 | 873.0 | 971.2 | 1015.0 | 1031.6 |
| 12.5° | 379.1 | 426.0 | 551.3 | 590.6 | 714.5 | 882.1 | 953.1 | 1018.0 | 1129.8 | 1188.7 | 1197.7 |
| 15° | 342.9 | 406.3 | 575.5 | 632.9 | 792.9 | 987.8 | 1066.3 | 1146.4 | 1250.6 | 1292.9 | 1303.5 |
| 17.5° | 311.2 | 391.2 | 598.1 | 658.6 | 853.3 | 1082.9 | 1163.0 | 1229.5 | 1314.0 | 1342.8 | 1350.3 |
| 20° | 271.9 | 367.0 | 613.2 | 691.8 | 916.8 | 1152.5 | 1229.5 | 1280.8 | 1338.2 | 1356.3 | 1359.4 |
| 22.5° | 243.1 | 341.3 | 622.2 | 703.8 | 959.1 | 1194.7 | 1259.7 | 1300.5 | 1339.7 | 1345.8 | 1347.2 |
| 25° | 219.0 | 312.7 | 620.8 | 717.4 | 995.4 | 1220.4 | 1270.3 | 1300.5 | 1323.1 | 1326.2 | 1326.2 |
| 27.5° | 196.4 | 280.9 | 614.7 | 720.4 | 1022.5 | 1226.5 | 1265.7 | 1286.9 | 1297.4 | 1303.5 | 1303.5 |
| 30° | 176.7 | 250.7 | 599.7 | 714.5 | 1034.6 | 1220.4 | 1252.1 | 1262.7 | 1273.2 | 1282.3 | 1286.9 |
| 32.5° | 161.7 | 222.0 | 577.0 | 702.3 | 1036.2 | 1205.3 | 1228.0 | 1234.0 | 1249.1 | 1270.3 | 1277.8 |
| 35° | 148.0 | 193.3 | 551.3 | 685.7 | 1027.0 | 1181.1 | 1196.2 | 1202.3 | 1232.4 | 1264.2 | 1274.8 |
| 37.5° | 134.4 | 172.2 | 518.1 | 657.1 | 1013.5 | 1152.5 | 1163.0 | 1173.6 | 1220.4 | 1258.1 | 1270.3 |
| 40° | 120.9 | 154.1 | 478.8 | 625.3 | 992.3 | 1117.6 | 1126.8 | 1143.4 | 1205.3 | 1249.1 | 1261.2 |
| 42.5° | 110.2 | 139.0 | 436.5 | 592.1 | 965.1 | 1078.5 | 1092.0 | 1116.2 | 1187.2 | 1234.0 | 1247.6 |
| 45° | 101.2 | 123.9 | 391.2 | 546.7 | 930.4 | 1037.7 | 1057.3 | 1090.5 | 1166.0 | 1211.4 | 1223.4 |
| 47.5° | 92.1 | 113.3 | 344.4 | 500.0 | 892.6 | 996.9 | 1022.5 | 1060.3 | 1137.3 | 1181.1 | 1191.7 |
| 50° | 84.6 | 102.7 | 297.5 | 450.1 | 851.8 | 953.1 | 983.3 | 1022.5 | 1101.0 | 1141.8 | 1155.5 |
| 52.5° | 78.6 | 93.6 | 253.8 | 400.3 | 805.1 | 907.7 | 942.5 | 983.3 | 1057.3 | 1096.6 | 1105.6 |
| 55° | 72.5 | 86.0 | 216.0 | 347.4 | 756.7 | 859.4 | 897.2 | 936.4 | 1008.9 | 1042.1 | 1048.2 |
| 57.5° | 69.4 | 80.1 | 184.2 | 297.5 | 705.3 | 805.1 | 847.4 | 883.6 | 951.5 | 977.2 | 983.3 |
| 60° | 65.0 | 75.5 | 160.1 | 255.3 | 649.5 | 753.7 | 790.0 | 826.2 | 883.6 | 904.8 | 909.2 |
| 62.5° | 60.4 | 72.5 | 142.0 | 214.5 | 592.1 | 693.3 | 729.5 | 762.7 | 811.1 | 826.2 | 832.2 |
| 65° | 57.4 | 69.4 | 128.4 | 184.2 | 533.2 | 629.8 | 666.1 | 694.8 | 734.1 | 749.2 | 752.2 |
| 67.5° | 54.4 | 66.5 | 117.8 | 158.6 | 474.2 | 566.4 | 593.6 | 620.8 | 651.0 | 666.1 | 667.6 |
| 70° | 49.8 | 63.5 | 108.7 | 140.5 | 413.8 | 493.9 | 516.6 | 545.2 | 569.4 | 577.0 | 581.5 |
| 72.5° | 46.9 | 58.9 | 102.7 | 126.8 | 352.0 | 424.4 | 445.6 | 462.2 | 483.4 | 490.9 | 490.9 |
| 75° | 42.3 | 52.8 | 96.7 | 113.3 | 288.5 | 347.4 | 365.5 | 382.1 | 398.7 | 401.8 | 397.2 |
| 77.5° | 37.8 | 46.9 | 83.1 | 95.2 | 225.0 | 274.9 | 290.0 | 299.0 | 312.7 | 315.6 | 317.1 |
| 80° | 31.7 | 40.8 | 65.0 | 74.0 | 163.1 | 202.4 | 213.0 | 220.5 | 232.6 | 232.6 | 235.7 |
| 82.5° | 24.2 | 31.7 | 46.9 | 52.8 | 110.2 | 139.0 | 148.0 | 152.5 | 160.1 | 160.1 | 160.1 |
| 85° | 15.1 | 19.6 | 30.2 | 34.7 | 66.5 | 84.6 | 90.6 | 92.1 | 98.2 | 99.7 | 99.7 |
| 87.5° | 7.6 | 10.5 | 19.6 | 21.2 | 34.7 | 43.8 | 43.8 | 46.9 | 46.9 | 45.3 | 43.8 |
| 90° | 0.9 | 1.6 | 2.3 | 2.5 | 3.9 | 5.8 | 6.8 | 6.1 | 4.6 | 3.4 | 3.4 |
| 92.5° | 3.6 | 9.6 | 15.7 | 17.2 | 24.3 | 33.7 | 38.3 | 33.6 | 24.1 | 17.0 | 16.2 |
| 95° | 8.6 | 19.7 | 30.9 | 33.7 | 59.7 | 94.4 | 111.8 | 99.8 | 75.7 | 57.7 | 55.6 |
| 97.5° | 14.8 | 24.6 | 34.5 | 37.0 | 80.4 | 138.4 | 167.4 | 159.8 | 144.5 | 133.1 | 129.2 |
| 100° | 19.6 | 28.6 | 37.5 | 39.7 | 87.9 | 152.3 | 184.4 | 185.0 | 186.1 | 186.9 | 182.3 |
| 102.5° | 23.7 | 32.0 | 40.4 | 42.5 | 91.4 | 156.7 | 189.2 | 199.0 | 218.3 | 232.9 | 228.9 |
| 105° | 30.8 | 37.8 | 44.8 | 46.6 | 94.0 | 157.1 | 188.7 | 210.5 | 254.0 | 286.5 | 284.4 |
| 107.5° | 37.9 | 44.5 | 51.1 | 52.7 | 94.4 | 150.1 | 178.0 | 208.3 | 268.9 | 314.5 | 315.0 |
| 110° | 42.8 | 48.6 | 54.5 | 56.1 | 93.7 | 144.0 | 169.1 | 203.0 | 270.7 | 321.6 | 323.8 |



TEST NUMBER: P936533

CATALOG NUMBER: SQ4-FB-025U-125D-92765-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 47.5 | 53.1 | 58.7 | 60.2 | 93.7 | 138.5 | 160.9 | 195.7 | 265.0 | 317.1 | 320.5 |
| 115° | 54.6 | 59.8 | 65.0 | 66.3 | 94.6 | 132.4 | 151.2 | 184.6 | 251.5 | 301.5 | 306.3 |
| 117.5° | 61.7 | 66.4 | 71.1 | 72.3 | 96.4 | 128.4 | 144.5 | 174.7 | 234.9 | 280.2 | 285.5 |
| 120° | 65.8 | 70.2 | 74.7 | 75.8 | 97.7 | 127.1 | 141.7 | 169.3 | 224.5 | 265.8 | 270.9 |
| 122.5° | 69.8 | 74.3 | 78.7 | 79.9 | 99.8 | 126.4 | 139.7 | 164.5 | 214.1 | 251.4 | 256.4 |
| 125° | 76.0 | 80.1 | 84.2 | 85.2 | 102.7 | 125.9 | 137.5 | 158.5 | 200.8 | 232.3 | 237.0 |
| 127.5° | 81.0 | 85.2 | 89.3 | 90.3 | 105.4 | 125.5 | 135.6 | 153.7 | 189.9 | 217.1 | 221.0 |
| 130° | 83.6 | 88.1 | 92.6 | 93.7 | 107.5 | 125.8 | 134.9 | 151.0 | 183.3 | 207.4 | 211.0 |
| 132.5° | 86.5 | 91.0 | 95.4 | 96.5 | 109.1 | 125.9 | 134.3 | 148.7 | 177.5 | 199.2 | 202.4 |
| 135° | 90.6 | 94.6 | 98.7 | 99.7 | 110.9 | 125.8 | 133.2 | 145.2 | 169.4 | 187.5 | 190.3 |
| 137.5° | 94.8 | 98.8 | 102.8 | 103.8 | 113.5 | 126.5 | 133.0 | 143.2 | 163.6 | 179.0 | 181.3 |
| 140° | 98.3 | 101.9 | 105.7 | 106.6 | 115.1 | 126.7 | 132.4 | 141.2 | 158.9 | 172.1 | 174.2 |
| 142.5° | 101.0 | 104.3 | 107.7 | 108.6 | 116.6 | 127.1 | 132.4 | 140.1 | 155.7 | 167.3 | 169.2 |
| 145° | 105.1 | 108.0 | 111.0 | 111.8 | 118.4 | 127.1 | 131.5 | 137.8 | 150.5 | 160.0 | 161.5 |
| 147.5° | 109.2 | 112.0 | 115.0 | 115.7 | 121.0 | 128.0 | 131.5 | 136.5 | 146.5 | 154.0 | 155.1 |
| 150° | 111.8 | 114.4 | 117.1 | 117.7 | 122.3 | 128.4 | 131.5 | 135.7 | 144.2 | 150.5 | 151.4 |
| 152.5° | 114.6 | 116.6 | 118.5 | 119.1 | 123.2 | 128.7 | 131.5 | 135.1 | 142.3 | 147.7 | 148.4 |
| 155° | 118.7 | 120.1 | 121.7 | 122.0 | 125.1 | 129.3 | 131.5 | 134.3 | 140.1 | 144.4 | 144.9 |
| 157.5° | 121.8 | 123.2 | 124.6 | 125.0 | 127.1 | 130.1 | 131.5 | 133.7 | 138.2 | 141.5 | 141.8 |
| 160° | 123.8 | 124.9 | 126.0 | 126.3 | 128.0 | 130.3 | 131.5 | 133.4 | 137.2 | 140.1 | 140.2 |
| 162.5° | 125.9 | 126.7 | 127.6 | 127.7 | 129.0 | 130.7 | 131.5 | 133.1 | 136.3 | 138.7 | 138.9 |
| 165° | 128.1 | 128.8 | 129.6 | 129.8 | 130.3 | 131.1 | 131.5 | 132.6 | 135.0 | 136.7 | 136.8 |
| 167.5° | 130.1 | 130.5 | 130.9 | 130.9 | 131.4 | 132.0 | 132.4 | 133.1 | 134.6 | 135.8 | 135.9 |
| 170° | 131.5 | 131.8 | 132.2 | 132.3 | 132.3 | 132.4 | 132.4 | 133.1 | 134.6 | 135.8 | 135.8 |
| 172.5° | 132.2 | 132.3 | 132.4 | 132.4 | 132.4 | 132.4 | 132.4 | 133.0 | 134.2 | 135.1 | 135.0 |
| 175° | 133.2 | 133.2 | 133.2 | 133.2 | 132.9 | 132.6 | 132.4 | 132.7 | 133.5 | 134.1 | 134.1 |
| 177.5° | 133.2 | 133.2 | 133.2 | 133.2 | 133.0 | 132.7 | 132.6 | 132.8 | 133.4 | 133.9 | 133.8 |
| 180° | 133.2 | 133.2 | 133.2 | 133.2 | 133.2 | 133.2 | 133.2 | 133.2 | 133.2 | 133.2 | 133.2 |



TEST NUMBER: P936533

CATALOG NUMBER: SQ4-FB-025U-125D-92765-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 469.7 | 469.7 |
| 2.5° | 501.5 | 498.4 |
| 5° | 644.9 | 648.0 |
| 7.5° | 868.5 | 867.0 |
| 10° | 1079.9 | 1093.5 |
| 12.5° | 1234.0 | 1237.0 |
| 15° | 1327.7 | 1333.7 |
| 17.5° | 1363.9 | 1365.4 |
| 20° | 1365.4 | 1362.4 |
| 22.5° | 1348.7 | 1345.8 |
| 25° | 1329.1 | 1327.7 |
| 27.5° | 1311.0 | 1312.5 |
| 30° | 1303.5 | 1308.0 |
| 32.5° | 1303.5 | 1311.0 |
| 35° | 1306.5 | 1314.0 |
| 37.5° | 1305.0 | 1314.0 |
| 40° | 1298.9 | 1309.5 |
| 42.5° | 1282.3 | 1289.8 |
| 45° | 1256.6 | 1265.7 |
| 47.5° | 1223.4 | 1229.5 |
| 50° | 1181.1 | 1187.2 |
| 52.5° | 1128.3 | 1129.8 |
| 55° | 1064.8 | 1070.9 |
| 57.5° | 996.9 | 998.4 |
| 60° | 921.4 | 925.9 |
| 62.5° | 841.3 | 841.3 |
| 65° | 756.7 | 759.7 |
| 67.5° | 669.1 | 676.7 |
| 70° | 580.0 | 581.5 |
| 72.5° | 492.4 | 492.4 |
| 75° | 401.8 | 403.3 |
| 77.5° | 315.6 | 315.6 |
| 80° | 234.1 | 235.7 |
| 82.5° | 161.7 | 164.6 |
| 85° | 101.2 | 101.2 |
| 87.5° | 46.9 | 42.3 |
| 90° | 3.4 | 3.4 |
| 92.5° | 13.6 | 10.9 |
| 95° | 47.5 | 39.3 |
| 97.5° | 113.6 | 98.1 |
| 100° | 163.8 | 145.2 |
| 102.5° | 213.0 | 197.1 |
| 105° | 275.9 | 267.3 |
| 107.5° | 317.1 | 319.1 |
| 110° | 332.7 | 341.6 |



TEST NUMBER: P936533

CATALOG NUMBER: SQ4-FB-025U-125D-92765-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|-------|-------|
| 112.5° | 334.1 | 347.8 |
| 115° | 325.3 | 344.2 |
| 117.5° | 306.4 | 327.5 |
| 120° | 291.4 | 311.7 |
| 122.5° | 276.5 | 296.7 |
| 125° | 255.6 | 274.1 |
| 127.5° | 236.6 | 252.3 |
| 130° | 225.5 | 239.9 |
| 132.5° | 215.4 | 228.3 |
| 135° | 201.6 | 212.7 |
| 137.5° | 190.4 | 199.6 |
| 140° | 182.7 | 191.3 |
| 142.5° | 176.5 | 183.8 |
| 145° | 167.0 | 172.5 |
| 147.5° | 159.7 | 164.3 |
| 150° | 155.1 | 158.9 |
| 152.5° | 151.2 | 154.1 |
| 155° | 146.7 | 148.6 |
| 157.5° | 143.2 | 144.5 |
| 160° | 141.0 | 141.7 |
| 162.5° | 139.6 | 140.3 |
| 165° | 137.6 | 138.4 |
| 167.5° | 136.1 | 136.5 |
| 170° | 135.8 | 135.8 |
| 172.5° | 134.7 | 134.4 |
| 175° | 134.1 | 134.1 |
| 177.5° | 133.5 | 133.2 |
| 180° | 133.2 | 133.2 |



TEST NUMBER: P936533
 CATALOG NUMBER: SQ4-FB-025U-125D-92765-1D-UNV-STD-W-4-3500K

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 | 8.53 | 9.83 | 9.16 | 10.48 | 11.23 | 21.67 | 22.97 | 22.30 | 23.62 | 24.37 |
| | 3H | 9.27 | 10.44 | 9.91 | 11.10 | 11.89 | 23.52 | 24.70 | 24.17 | 25.36 | 26.14 |
| | 4H | 9.58 | 10.70 | 10.25 | 11.37 | 12.16 | 24.18 | 25.29 | 24.84 | 25.96 | 26.76 |
| | 6H | 9.86 | 10.89 | 10.54 | 11.57 | 12.38 | 24.62 | 25.65 | 25.30 | 26.33 | 27.14 |
| | 8H | 9.94 | 10.92 | 10.63 | 11.63 | 12.44 | 24.75 | 25.73 | 25.44 | 26.44 | 27.25 |
| | 12H | 9.97 | 10.91 | 10.67 | 11.61 | 12.45 | 24.82 | 25.76 | 25.52 | 26.46 | 27.30 |
| 4H | 2H | 15.77 | 16.88 | 16.44 | 17.56 | 18.35 | 22.00 | 23.11 | 22.66 | 23.78 | 24.58 |
| | 3H | 17.38 | 18.32 | 18.06 | 19.03 | 19.84 | 24.07 | 25.00 | 24.75 | 25.71 | 26.53 |
| | 4H | 17.49 | 18.35 | 18.19 | 19.06 | 19.90 | 24.84 | 25.69 | 25.54 | 26.41 | 27.25 |
| | 6H | 17.53 | 18.27 | 18.25 | 19.01 | 19.87 | 25.39 | 26.14 | 26.11 | 26.87 | 27.73 |
| | 8H | 17.52 | 18.22 | 18.24 | 18.95 | 19.82 | 25.56 | 26.26 | 26.28 | 26.99 | 27.86 |
| | 12H | 17.50 | 18.13 | 18.24 | 18.89 | 19.76 | 25.67 | 26.30 | 26.41 | 27.05 | 27.93 |
| 8H | 4H | 18.97 | 19.66 | 19.69 | 20.40 | 21.26 | 24.94 | 25.63 | 25.66 | 26.37 | 27.24 |
| | 6H | 19.23 | 19.81 | 19.98 | 20.59 | 21.45 | 25.58 | 26.16 | 26.33 | 26.93 | 27.80 |
| | 8H | 19.26 | 19.77 | 20.02 | 20.55 | 21.43 | 25.80 | 26.31 | 26.56 | 27.09 | 27.97 |
| | 12H | 19.24 | 19.70 | 20.01 | 20.47 | 21.41 | 25.95 | 26.41 | 26.72 | 27.18 | 28.12 |
| 12H | 4H | 19.13 | 19.76 | 19.87 | 20.52 | 21.39 | 24.92 | 25.54 | 25.66 | 26.30 | 27.17 |
| | 6H | 19.49 | 20.01 | 20.25 | 20.79 | 21.67 | 25.57 | 26.08 | 26.33 | 26.86 | 27.75 |
| | 8H | 19.58 | 20.04 | 20.35 | 20.81 | 21.75 | 25.81 | 26.27 | 26.58 | 27.04 | 27.98 |