

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: P936436

Luminaire Tested: SQ4-FB-025U-100D-92765-1D-UNV-STD-W-4-6500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936436
REPORT IS A COMBINATION OF REPORTS P933439 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-025U-100D-92765-1D-UNV-STD-W-4-6500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

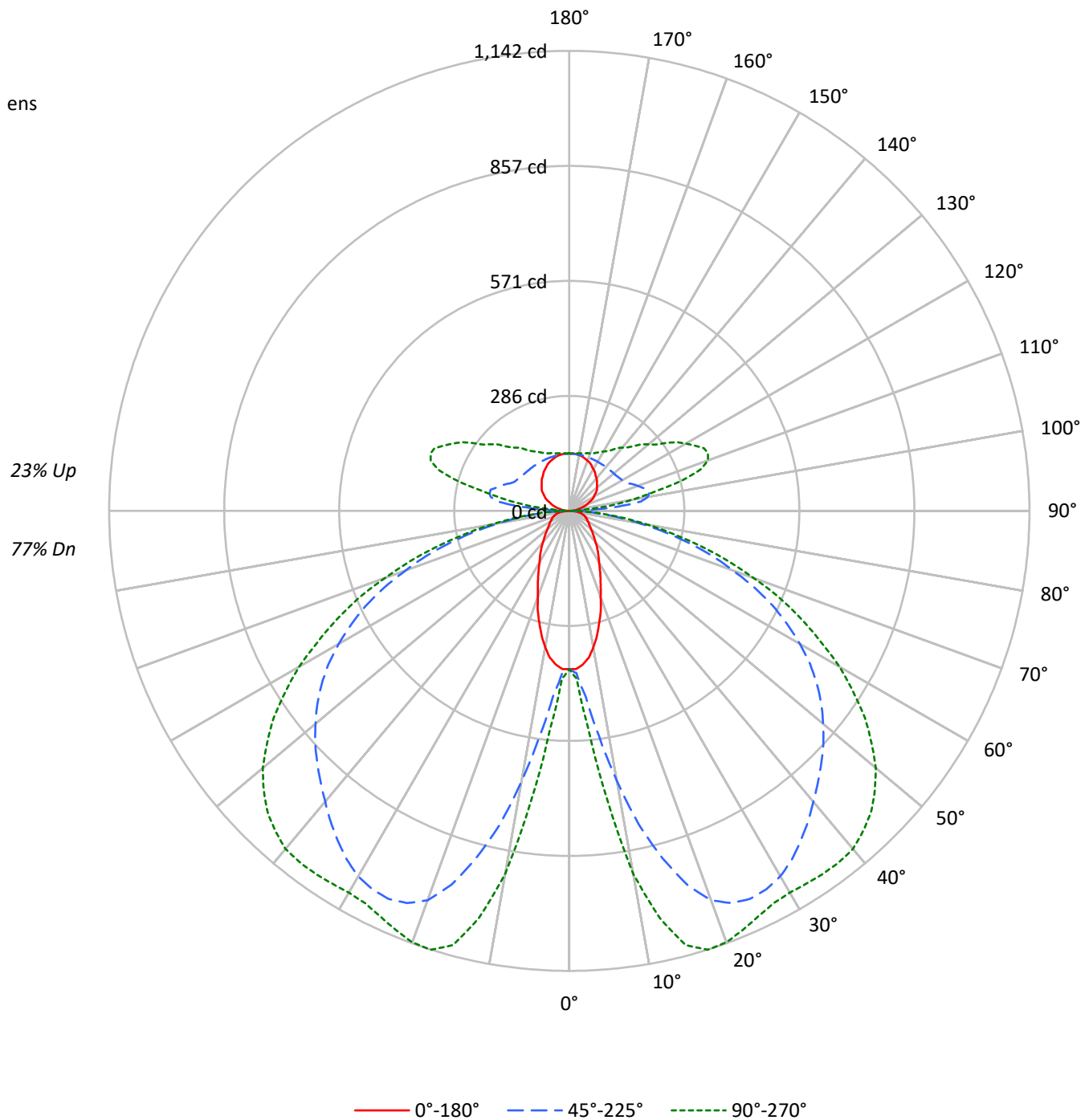
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3965.3 lumens
Efficiency: N/A
Efficacy: 102.2 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): 38.8
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: P936436
CATALOG NUMBER: SQ4-FB-025U-100D-92765-1D-UNV-STD-W-4-6500K

Luminous Intensity Polar Plot





TEST NUMBER: P936436

CATALOG NUMBER: SQ4-FB-025U-100D-92765-1D-UNV-STD-W-4-6500K

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 | 113 | 113 | 113 | 113 | 108 | 108 | 108 | 108 | 98 | 98 | 98 | 89 | 89 | 89 | 81 | 81 | 81 | 77 | | | 77 |
| 1 | 103 | 98 | 94 | 90 | 98 | 94 | 90 | 86 | 85 | 82 | 79 | 77 | 75 | 73 | 70 | 68 | 66 | 63 | | | 63 |
| 2 | 93 | 85 | 78 | 72 | 88 | 81 | 75 | 69 | 73 | 68 | 64 | 67 | 63 | 59 | 61 | 57 | 55 | 51 | | | 51 |
| 3 | 84 | 74 | 65 | 59 | 80 | 70 | 63 | 57 | 64 | 58 | 53 | 58 | 53 | 49 | 53 | 49 | 45 | 42 | | | 42 |
| 4 | 77 | 65 | 56 | 49 | 73 | 62 | 54 | 47 | 56 | 50 | 44 | 51 | 46 | 41 | 47 | 42 | 38 | 35 | | | 35 |
| 5 | 70 | 57 | 48 | 42 | 66 | 55 | 46 | 40 | 50 | 43 | 38 | 46 | 40 | 35 | 41 | 37 | 33 | 30 | | | 30 |
| 6 | 64 | 51 | 42 | 36 | 61 | 49 | 41 | 35 | 45 | 38 | 32 | 41 | 35 | 30 | 37 | 32 | 28 | 26 | | | 26 |
| 7 | 59 | 46 | 37 | 31 | 56 | 44 | 36 | 30 | 40 | 33 | 28 | 37 | 31 | 27 | 34 | 29 | 25 | 22 | | | 22 |
| 8 | 55 | 42 | 33 | 27 | 52 | 40 | 32 | 26 | 37 | 30 | 25 | 34 | 28 | 23 | 31 | 26 | 22 | 20 | | | 20 |
| 9 | 51 | 38 | 30 | 24 | 49 | 36 | 29 | 23 | 33 | 27 | 22 | 31 | 25 | 21 | 28 | 23 | 20 | 17 | | | 17 |
| 10 | 48 | 35 | 27 | 21 | 45 | 33 | 26 | 21 | 31 | 24 | 20 | 28 | 23 | 19 | 26 | 21 | 17 | 16 | | | 16 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|-------|
| 0° | 3646 | 3646 | 3646 |
| 5° | 3559 | 4211 | 4902 |
| 10° | 3224 | 6134 | 8125 |
| 15° | 2737 | 8008 | 9811 |
| 20° | 2225 | 9274 | 9998 |
| 25° | 1854 | 9696 | 9796 |
| 30° | 1561 | 9750 | 9778 |
| 35° | 1378 | 9581 | 10030 |
| 40° | 1199 | 9362 | 10291 |
| 45° | 1083 | 9200 | 10332 |
| 50° | 992 | 9052 | 10161 |
| 55° | 947 | 8840 | 9710 |
| 60° | 966 | 8440 | 8999 |
| 65° | 1000 | 7838 | 8022 |
| 70° | 1059 | 6822 | 6776 |
| 75° | 1161 | 5548 | 5288 |
| 80° | 1240 | 3833 | 3564 |
| 85° | 1043 | 2023 | 1823 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 10332 cd/sqm



TEST NUMBER: P936436

CATALOG NUMBER: SQ4-FB-025U-100D-92765-1D-UNV-STD-W-4-6500K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 50.8 | 1.3 |
| 10°-20° | 225.3 | 5.7 |
| 20°-30° | 394.0 | 9.9 |
| 30°-40° | 507.2 | 12.8 |
| 40°-50° | 566.6 | 14.3 |
| 50°-60° | 542.6 | 13.7 |
| 60°-70° | 430.1 | 10.8 |
| 70°-80° | 252.9 | 6.4 |
| 80°-90° | 70.8 | 1.8 |
| 90°-100° | 69.6 | 1.8 |
| 100°-110° | 182.9 | 4.6 |
| 110°-120° | 189.6 | 4.8 |
| 120°-130° | 152.1 | 3.8 |
| 130°-140° | 119.3 | 3.0 |
| 140°-150° | 91.6 | 2.3 |
| 150°-160° | 66.0 | 1.7 |
| 160°-170° | 40.4 | 1.0 |
| 170°-180° | 13.6 | 0.3 |
| 0°-30° | 670.1 | 16.9 |
| 0°-40° | 1177.4 | 29.7 |
| 0°-60° | 2286.6 | 57.7 |
| 0°-90° | 3040.3 | 76.7 |
| 90°-120° | 442.1 | 11.1 |
| 90°-150° | 805.1 | 20.3 |
| 90°-180° | 925.0 | 23.3 |
| 0°-180° | 3965.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|------|-------|------|------|
| 0° | 393 | 393 | 393 | 393 | 393 | |
| 5° | 383 | 411 | 462 | 523 | 542 | 35 |
| 15° | 287 | 529 | 892 | 1082 | 1116 | 80 |
| 25° | 183 | 600 | 1062 | 1109 | 1111 | 84 |
| 35° | 124 | 574 | 1001 | 1058 | 1099 | 77 |
| 45° | 85 | 457 | 884 | 1013 | 1059 | 65 |
| 55° | 61 | 291 | 750 | 872 | 896 | 55 |
| 65° | 48 | 154 | 557 | 627 | 636 | 48 |
| 75° | 35 | 95 | 306 | 336 | 337 | 37 |
| 85° | 13 | 29 | 76 | 83 | 85 | 13 |
| 90° | 1 | 3 | 7 | 4 | 4 | 2 |
| 95° | 9 | 36 | 120 | 62 | 42 | 10 |
| 105° | 33 | 50 | 202 | 307 | 286 | 35 |
| 115° | 58 | 71 | 162 | 323 | 369 | 58 |
| 125° | 81 | 91 | 147 | 249 | 294 | 72 |
| 135° | 97 | 107 | 143 | 201 | 228 | 75 |
| 145° | 112 | 120 | 141 | 171 | 185 | 70 |
| 155° | 127 | 131 | 141 | 155 | 159 | 58 |
| 165° | 137 | 139 | 141 | 146 | 148 | 39 |
| 175° | 143 | 143 | 142 | 144 | 144 | 14 |
| 180° | 143 | 143 | 143 | 143 | 143 | |



TEST NUMBER: P936436

CATALOG NUMBER: SQ4-FB-025U-100D-92765-1D-UNV-STD-W-4-6500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0° | 392.9 | 392.9 | 392.9 | 392.9 | 392.9 | 392.9 | 392.9 | 392.9 | 392.9 | 392.9 | 392.9 |
| 2.5° | 392.9 | 392.9 | 395.5 | 396.7 | 399.2 | 400.5 | 403.0 | 405.5 | 413.2 | 414.4 | 416.9 |
| 5° | 382.9 | 387.9 | 404.3 | 410.6 | 428.3 | 452.3 | 462.4 | 478.9 | 513.0 | 523.0 | 529.3 |
| 7.5° | 367.7 | 379.0 | 419.5 | 429.6 | 473.8 | 537.0 | 563.5 | 598.9 | 653.2 | 679.8 | 701.2 |
| 10° | 343.7 | 367.7 | 439.7 | 463.7 | 535.7 | 631.8 | 681.0 | 730.2 | 812.4 | 849.0 | 863.0 |
| 12.5° | 317.2 | 356.3 | 461.2 | 494.0 | 597.6 | 737.9 | 797.3 | 851.6 | 945.1 | 994.3 | 1001.9 |
| 15° | 286.8 | 339.8 | 481.3 | 529.3 | 663.3 | 826.3 | 892.0 | 959.0 | 1046.2 | 1081.5 | 1090.3 |
| 17.5° | 260.3 | 327.2 | 500.3 | 550.9 | 713.9 | 905.9 | 972.8 | 1028.5 | 1099.2 | 1123.2 | 1129.6 |
| 20° | 227.4 | 307.0 | 513.0 | 578.7 | 767.0 | 964.0 | 1028.5 | 1071.4 | 1119.4 | 1134.6 | 1137.1 |
| 22.5° | 203.4 | 285.5 | 520.6 | 588.7 | 802.2 | 999.4 | 1053.7 | 1087.9 | 1120.7 | 1125.7 | 1127.0 |
| 25° | 183.2 | 261.5 | 519.3 | 600.1 | 832.7 | 1020.8 | 1062.5 | 1087.9 | 1106.8 | 1109.3 | 1109.3 |
| 27.5° | 164.3 | 235.0 | 514.2 | 602.7 | 855.3 | 1025.9 | 1058.8 | 1076.5 | 1085.3 | 1090.3 | 1090.3 |
| 30° | 147.8 | 209.7 | 501.6 | 597.6 | 865.5 | 1020.8 | 1047.4 | 1056.2 | 1065.1 | 1072.7 | 1076.5 |
| 32.5° | 135.2 | 185.7 | 482.7 | 587.5 | 866.7 | 1008.2 | 1027.1 | 1032.2 | 1044.8 | 1062.5 | 1068.9 |
| 35° | 123.8 | 161.7 | 461.2 | 573.6 | 859.1 | 988.0 | 1000.7 | 1005.7 | 1031.0 | 1057.5 | 1066.3 |
| 37.5° | 112.4 | 144.0 | 433.3 | 549.6 | 847.8 | 964.0 | 972.8 | 981.7 | 1020.8 | 1052.5 | 1062.5 |
| 40° | 101.1 | 128.9 | 400.5 | 523.0 | 830.1 | 935.0 | 942.5 | 956.5 | 1008.2 | 1044.8 | 1055.0 |
| 42.5° | 92.3 | 116.3 | 365.2 | 495.3 | 807.3 | 902.1 | 913.5 | 933.7 | 993.1 | 1032.2 | 1043.6 |
| 45° | 84.6 | 103.6 | 327.2 | 457.3 | 778.2 | 868.0 | 884.4 | 912.2 | 975.4 | 1013.3 | 1023.4 |
| 47.5° | 77.1 | 94.8 | 288.1 | 418.2 | 746.7 | 833.9 | 855.3 | 887.0 | 951.4 | 988.0 | 996.8 |
| 50° | 70.8 | 86.0 | 248.9 | 376.5 | 712.6 | 797.3 | 822.5 | 855.3 | 921.1 | 955.1 | 966.5 |
| 52.5° | 65.7 | 78.3 | 212.3 | 334.9 | 673.4 | 759.3 | 788.4 | 822.5 | 884.4 | 917.3 | 924.8 |
| 55° | 60.6 | 72.0 | 180.7 | 290.6 | 633.0 | 718.9 | 750.5 | 783.3 | 844.0 | 871.8 | 876.8 |
| 57.5° | 58.1 | 66.9 | 154.1 | 248.9 | 590.1 | 673.4 | 708.8 | 739.1 | 795.9 | 817.4 | 822.5 |
| 60° | 54.3 | 63.2 | 134.0 | 213.5 | 543.3 | 630.4 | 660.8 | 691.1 | 739.1 | 756.8 | 760.6 |
| 62.5° | 50.6 | 60.6 | 118.8 | 179.4 | 495.3 | 579.9 | 610.2 | 638.1 | 678.5 | 691.1 | 696.2 |
| 65° | 48.0 | 58.1 | 107.4 | 154.1 | 446.0 | 526.9 | 557.2 | 581.2 | 614.1 | 626.7 | 629.2 |
| 67.5° | 45.5 | 55.6 | 98.6 | 132.6 | 396.7 | 473.8 | 496.6 | 519.3 | 544.6 | 557.2 | 558.4 |
| 70° | 41.7 | 53.1 | 90.9 | 117.5 | 346.1 | 413.2 | 432.1 | 456.1 | 476.3 | 482.7 | 486.4 |
| 72.5° | 39.2 | 49.2 | 86.0 | 106.1 | 294.4 | 355.0 | 372.7 | 386.6 | 404.3 | 410.6 | 410.6 |
| 75° | 35.4 | 44.2 | 80.9 | 94.8 | 241.3 | 290.6 | 305.8 | 319.7 | 333.5 | 336.1 | 332.3 |
| 77.5° | 31.6 | 39.2 | 69.5 | 79.6 | 188.3 | 230.0 | 242.6 | 250.1 | 261.5 | 264.1 | 265.3 |
| 80° | 26.5 | 34.1 | 54.3 | 61.9 | 136.4 | 169.3 | 178.1 | 184.4 | 194.6 | 194.6 | 197.1 |
| 82.5° | 20.2 | 26.5 | 39.2 | 44.2 | 92.3 | 116.3 | 123.8 | 127.7 | 134.0 | 134.0 | 134.0 |
| 85° | 12.6 | 16.4 | 25.2 | 29.1 | 55.6 | 70.8 | 75.8 | 77.1 | 82.1 | 83.4 | 83.4 |
| 87.5° | 6.3 | 8.8 | 16.4 | 17.7 | 29.1 | 36.6 | 36.6 | 39.2 | 39.2 | 37.9 | 36.6 |
| 90° | 1.0 | 1.7 | 2.5 | 2.7 | 4.2 | 6.2 | 7.3 | 6.5 | 4.9 | 3.6 | 3.6 |
| 92.5° | 3.8 | 10.3 | 16.8 | 18.5 | 26.0 | 36.0 | 41.0 | 36.0 | 25.8 | 18.2 | 17.4 |
| 95° | 9.2 | 21.1 | 33.1 | 36.0 | 64.0 | 101.2 | 119.8 | 106.9 | 81.1 | 61.8 | 59.6 |
| 97.5° | 15.9 | 26.4 | 36.9 | 39.6 | 86.2 | 148.2 | 179.3 | 171.2 | 154.8 | 142.6 | 138.4 |
| 100° | 21.0 | 30.6 | 40.2 | 42.6 | 94.2 | 163.1 | 197.5 | 198.1 | 199.4 | 200.2 | 195.3 |
| 102.5° | 25.4 | 34.3 | 43.3 | 45.5 | 97.9 | 167.8 | 202.7 | 213.1 | 233.9 | 249.5 | 245.2 |
| 105° | 33.0 | 40.5 | 48.0 | 49.9 | 100.7 | 168.3 | 202.1 | 225.5 | 272.0 | 306.9 | 304.6 |
| 107.5° | 40.6 | 47.6 | 54.7 | 56.4 | 101.2 | 160.8 | 190.7 | 223.2 | 288.1 | 336.9 | 337.4 |
| 110° | 45.8 | 52.1 | 58.4 | 60.0 | 100.4 | 154.2 | 181.1 | 217.4 | 290.0 | 344.5 | 346.9 |



TEST NUMBER: P936436

CATALOG NUMBER: SQ4-FB-025U-100D-92765-1D-UNV-STD-W-4-6500K

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 50.9 | 56.9 | 62.9 | 64.4 | 100.4 | 148.4 | 172.4 | 209.6 | 283.9 | 339.6 | 343.3 |
| 115° | 58.5 | 64.1 | 69.6 | 71.0 | 101.4 | 141.8 | 162.0 | 197.7 | 269.4 | 323.0 | 328.1 |
| 117.5° | 66.1 | 71.1 | 76.2 | 77.5 | 103.3 | 137.6 | 154.8 | 187.1 | 251.7 | 300.1 | 305.8 |
| 120° | 70.5 | 75.3 | 80.0 | 81.2 | 104.7 | 136.2 | 151.8 | 181.4 | 240.5 | 284.8 | 290.2 |
| 122.5° | 74.8 | 79.6 | 84.3 | 85.6 | 106.9 | 135.4 | 149.6 | 176.2 | 229.4 | 269.3 | 274.6 |
| 125° | 81.4 | 85.8 | 90.2 | 91.3 | 110.0 | 134.8 | 147.3 | 169.8 | 215.0 | 248.9 | 253.9 |
| 127.5° | 86.7 | 91.2 | 95.6 | 96.8 | 112.9 | 134.4 | 145.2 | 164.7 | 203.5 | 232.5 | 236.8 |
| 130° | 89.6 | 94.4 | 99.2 | 100.4 | 115.1 | 134.7 | 144.5 | 161.8 | 196.3 | 222.2 | 226.0 |
| 132.5° | 92.7 | 97.4 | 102.2 | 103.4 | 116.8 | 134.8 | 143.8 | 159.3 | 190.2 | 213.4 | 216.9 |
| 135° | 97.1 | 101.4 | 105.8 | 106.8 | 118.8 | 134.7 | 142.7 | 155.6 | 181.5 | 200.9 | 203.9 |
| 137.5° | 101.5 | 105.9 | 110.2 | 111.2 | 121.6 | 135.5 | 142.5 | 153.4 | 175.3 | 191.7 | 194.2 |
| 140° | 105.3 | 109.2 | 113.2 | 114.2 | 123.3 | 135.7 | 141.8 | 151.3 | 170.2 | 184.4 | 186.6 |
| 142.5° | 108.1 | 111.8 | 115.4 | 116.4 | 124.9 | 136.2 | 141.8 | 150.1 | 166.8 | 179.2 | 181.2 |
| 145° | 112.5 | 115.7 | 119.0 | 119.7 | 126.8 | 136.2 | 140.8 | 147.6 | 161.2 | 171.4 | 173.0 |
| 147.5° | 116.9 | 120.0 | 123.2 | 123.9 | 129.6 | 137.1 | 140.8 | 146.2 | 156.9 | 164.9 | 166.2 |
| 150° | 119.8 | 122.6 | 125.5 | 126.1 | 131.0 | 137.6 | 140.8 | 145.3 | 154.4 | 161.2 | 162.2 |
| 152.5° | 122.8 | 124.9 | 127.0 | 127.6 | 132.0 | 137.9 | 140.8 | 144.7 | 152.4 | 158.2 | 159.0 |
| 155° | 127.2 | 128.7 | 130.3 | 130.7 | 134.1 | 138.6 | 140.8 | 143.9 | 150.1 | 154.7 | 155.2 |
| 157.5° | 130.4 | 132.0 | 133.5 | 133.9 | 136.2 | 139.3 | 140.8 | 143.2 | 148.0 | 151.6 | 151.9 |
| 160° | 132.6 | 133.8 | 135.0 | 135.3 | 137.1 | 139.6 | 140.8 | 142.9 | 147.0 | 150.0 | 150.2 |
| 162.5° | 134.8 | 135.7 | 136.6 | 136.8 | 138.2 | 140.0 | 140.8 | 142.6 | 146.0 | 148.6 | 148.8 |
| 165° | 137.2 | 138.0 | 138.8 | 139.0 | 139.6 | 140.5 | 140.8 | 142.1 | 144.6 | 146.4 | 146.6 |
| 167.5° | 139.4 | 139.8 | 140.2 | 140.3 | 140.8 | 141.4 | 141.8 | 142.6 | 144.2 | 145.4 | 145.5 |
| 170° | 140.8 | 141.2 | 141.6 | 141.7 | 141.7 | 141.8 | 141.8 | 142.6 | 144.2 | 145.4 | 145.4 |
| 172.5° | 141.6 | 141.7 | 141.8 | 141.8 | 141.8 | 141.8 | 141.8 | 142.5 | 143.7 | 144.7 | 144.6 |
| 175° | 142.7 | 142.7 | 142.7 | 142.7 | 142.4 | 142.0 | 141.8 | 142.2 | 143.0 | 143.6 | 143.6 |
| 177.5° | 142.7 | 142.7 | 142.7 | 142.7 | 142.5 | 142.2 | 142.0 | 142.3 | 143.0 | 143.4 | 143.3 |
| 180° | 142.7 | 142.7 | 142.7 | 142.7 | 142.7 | 142.7 | 142.7 | 142.7 | 142.7 | 142.7 | 142.7 |



TEST NUMBER: P936436

CATALOG NUMBER: SQ4-FB-025U-100D-92765-1D-UNV-STD-W-4-6500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 392.9 | 392.9 |
| 2.5° | 419.5 | 416.9 |
| 5° | 539.5 | 542.1 |
| 7.5° | 726.5 | 725.2 |
| 10° | 903.4 | 914.7 |
| 12.5° | 1032.2 | 1034.8 |
| 15° | 1110.6 | 1115.6 |
| 17.5° | 1140.9 | 1142.2 |
| 20° | 1142.2 | 1139.6 |
| 22.5° | 1128.3 | 1125.7 |
| 25° | 1111.9 | 1110.6 |
| 27.5° | 1096.7 | 1097.9 |
| 30° | 1090.3 | 1094.2 |
| 32.5° | 1090.3 | 1096.7 |
| 35° | 1092.9 | 1099.2 |
| 37.5° | 1091.6 | 1099.2 |
| 40° | 1086.6 | 1095.4 |
| 42.5° | 1072.7 | 1079.0 |
| 45° | 1051.2 | 1058.8 |
| 47.5° | 1023.4 | 1028.5 |
| 50° | 988.0 | 993.1 |
| 52.5° | 943.8 | 945.1 |
| 55° | 890.7 | 895.8 |
| 57.5° | 833.9 | 835.1 |
| 60° | 770.7 | 774.5 |
| 62.5° | 703.8 | 703.8 |
| 65° | 633.0 | 635.5 |
| 67.5° | 559.8 | 566.1 |
| 70° | 485.2 | 486.4 |
| 72.5° | 411.9 | 411.9 |
| 75° | 336.1 | 337.3 |
| 77.5° | 264.1 | 264.1 |
| 80° | 195.8 | 197.1 |
| 82.5° | 135.2 | 137.7 |
| 85° | 84.6 | 84.6 |
| 87.5° | 39.2 | 35.4 |
| 90° | 3.6 | 3.6 |
| 92.5° | 14.5 | 11.7 |
| 95° | 50.9 | 42.1 |
| 97.5° | 121.7 | 105.1 |
| 100° | 175.5 | 155.6 |
| 102.5° | 228.1 | 211.1 |
| 105° | 295.6 | 286.4 |
| 107.5° | 339.6 | 341.8 |
| 110° | 356.4 | 365.9 |



TEST NUMBER: P936436

CATALOG NUMBER: SQ4-FB-025U-100D-92765-1D-UNV-STD-W-4-6500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|-------|-------|
| 112.5° | 357.9 | 372.5 |
| 115° | 348.4 | 368.7 |
| 117.5° | 328.3 | 350.8 |
| 120° | 312.1 | 333.9 |
| 122.5° | 296.2 | 317.8 |
| 125° | 273.8 | 293.6 |
| 127.5° | 253.5 | 270.2 |
| 130° | 241.5 | 257.0 |
| 132.5° | 230.7 | 244.6 |
| 135° | 215.9 | 227.9 |
| 137.5° | 204.0 | 213.8 |
| 140° | 195.7 | 204.9 |
| 142.5° | 189.0 | 196.9 |
| 145° | 178.9 | 184.8 |
| 147.5° | 171.1 | 176.0 |
| 150° | 166.2 | 170.2 |
| 152.5° | 162.0 | 165.0 |
| 155° | 157.2 | 159.2 |
| 157.5° | 153.4 | 154.8 |
| 160° | 151.1 | 151.8 |
| 162.5° | 149.5 | 150.3 |
| 165° | 147.4 | 148.2 |
| 167.5° | 145.8 | 146.2 |
| 170° | 145.4 | 145.4 |
| 172.5° | 144.3 | 144.0 |
| 175° | 143.6 | 143.6 |
| 177.5° | 143.0 | 142.7 |
| 180° | 142.7 | 142.7 |



TEST NUMBER: P936436

CATALOG NUMBER: SQ4-FB-025U-100D-92765-1D-UNV-STD-W-4-6500K

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 | 7.61 | 8.85 | 8.30 | 9.55 | 10.38 | 20.75 | 21.99 | 21.44 | 22.69 | 23.52 |
| | 3H | 8.35 | 9.46 | 9.04 | 10.18 | 11.04 | 22.61 | 23.72 | 23.30 | 24.44 | 25.30 |
| | 4H | 8.66 | 9.72 | 9.38 | 10.44 | 11.32 | 23.26 | 24.31 | 23.97 | 25.04 | 25.91 |
| | 6H | 8.93 | 9.91 | 9.66 | 10.64 | 11.53 | 23.70 | 24.67 | 24.42 | 25.41 | 26.29 |
| | 8H | 9.01 | 9.94 | 9.75 | 10.70 | 11.59 | 23.82 | 24.75 | 24.56 | 25.51 | 26.40 |
| | 12H | 9.04 | 9.93 | 9.79 | 10.68 | 11.60 | 23.89 | 24.78 | 24.64 | 25.53 | 26.45 |
| 4H | 2H | 14.85 | 15.90 | 15.57 | 16.63 | 17.50 | 21.07 | 22.13 | 21.79 | 22.85 | 23.73 |
| | 3H | 16.45 | 17.34 | 17.18 | 18.10 | 18.99 | 23.14 | 24.02 | 23.87 | 24.79 | 25.68 |
| | 4H | 16.56 | 17.37 | 17.31 | 18.13 | 19.05 | 23.91 | 24.72 | 24.66 | 25.48 | 26.40 |
| | 6H | 16.60 | 17.30 | 17.36 | 18.09 | 19.02 | 24.46 | 25.16 | 25.22 | 25.95 | 26.88 |
| | 8H | 16.59 | 17.24 | 17.35 | 18.03 | 18.97 | 24.63 | 25.28 | 25.39 | 26.07 | 27.01 |
| | 12H | 16.56 | 17.15 | 17.35 | 17.96 | 18.91 | 24.73 | 25.32 | 25.52 | 26.13 | 27.08 |
| 8H | 4H | 18.03 | 18.69 | 18.80 | 19.47 | 20.41 | 24.00 | 24.66 | 24.77 | 25.45 | 26.39 |
| | 6H | 18.29 | 18.84 | 19.09 | 19.66 | 20.61 | 24.64 | 25.19 | 25.44 | 26.01 | 26.95 |
| | 8H | 18.32 | 18.80 | 19.12 | 19.63 | 20.58 | 24.86 | 25.34 | 25.67 | 26.17 | 27.13 |
| | 12H | 18.30 | 18.73 | 19.11 | 19.55 | 20.56 | 25.01 | 25.44 | 25.82 | 26.26 | 27.27 |
| 12H | 4H | 18.19 | 18.78 | 18.98 | 19.59 | 20.54 | 23.98 | 24.57 | 24.77 | 25.38 | 26.32 |
| | 6H | 18.55 | 19.04 | 19.36 | 19.86 | 20.82 | 24.63 | 25.11 | 25.44 | 25.94 | 26.90 |
| | 8H | 18.64 | 19.07 | 19.45 | 19.88 | 20.90 | 24.87 | 25.30 | 25.68 | 26.11 | 27.13 |