

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: P937584

Luminaire Tested: SQ4-FB-100U-075D-B2750-1D-UNV-STD-W-4-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P937584
REPORT IS A COMBINATION OF REPORTS P933566 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-100U-075D-B2750-1D-UNV-STD-W-4-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

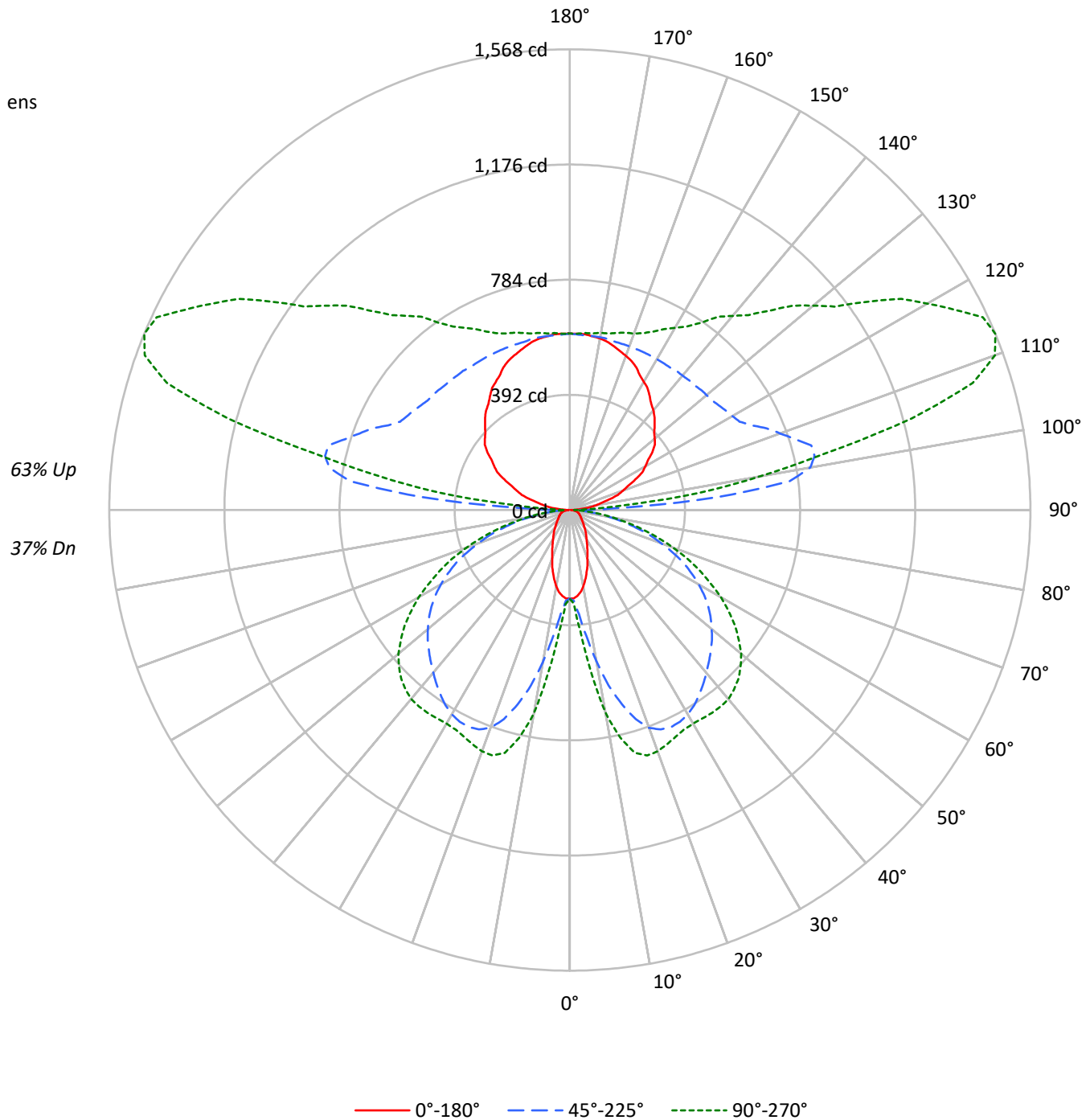
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6226.7 lumens
Efficiency: N/A
Efficacy: 126.6 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-Indirect

Input Watts (W): 49.2
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: P937584
CATALOG NUMBER: SQ4-FB-100U-075D-B2750-1D-UNV-STD-W-4-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P937584

CATALOG NUMBER: SQ4-FB-100U-075D-B2750-1D-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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 94 | 76 | 76 | 76 | 60 | 60 | 60 | 45 | 45 | 45 | 37 |
| 1 | 95 | 90 | 86 | 83 | 86 | 82 | 78 | 75 | 66 | 64 | 62 | 52 | 50 | 49 | 39 | 38 | 37 | 31 |
| 2 | 86 | 78 | 72 | 67 | 77 | 71 | 66 | 61 | 58 | 54 | 50 | 45 | 42 | 40 | 34 | 32 | 30 | 25 |
| 3 | 78 | 68 | 61 | 55 | 70 | 62 | 56 | 50 | 50 | 46 | 42 | 39 | 36 | 33 | 29 | 27 | 25 | 21 |
| 4 | 71 | 60 | 52 | 46 | 64 | 55 | 48 | 42 | 44 | 39 | 35 | 35 | 31 | 28 | 26 | 23 | 21 | 17 |
| 5 | 65 | 53 | 45 | 39 | 58 | 48 | 41 | 36 | 39 | 34 | 30 | 31 | 27 | 24 | 23 | 20 | 18 | 15 |
| 6 | 60 | 47 | 39 | 33 | 54 | 43 | 36 | 31 | 35 | 30 | 26 | 28 | 24 | 21 | 21 | 18 | 16 | 13 |
| 7 | 55 | 42 | 34 | 29 | 49 | 39 | 32 | 27 | 32 | 26 | 22 | 25 | 21 | 18 | 19 | 16 | 14 | 11 |
| 8 | 51 | 38 | 31 | 25 | 46 | 35 | 28 | 23 | 29 | 23 | 20 | 23 | 19 | 16 | 17 | 14 | 12 | 10 |
| 9 | 47 | 35 | 27 | 22 | 42 | 32 | 25 | 21 | 26 | 21 | 17 | 21 | 17 | 14 | 16 | 13 | 11 | 9 |
| 10 | 44 | 32 | 24 | 20 | 40 | 29 | 23 | 18 | 24 | 19 | 15 | 19 | 15 | 12 | 14 | 12 | 10 | 8 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2797 | 2797 | 2797 |
| 5° | 2729 | 3230 | 3759 |
| 10° | 2473 | 4704 | 6232 |
| 15° | 2099 | 6142 | 7524 |
| 20° | 1707 | 7112 | 7668 |
| 25° | 1422 | 7437 | 7513 |
| 30° | 1198 | 7478 | 7499 |
| 35° | 1058 | 7348 | 7692 |
| 40° | 919 | 7181 | 7893 |
| 45° | 831 | 7056 | 7923 |
| 50° | 761 | 6943 | 7792 |
| 55° | 726 | 6780 | 7447 |
| 60° | 742 | 6473 | 6902 |
| 65° | 767 | 6011 | 6152 |
| 70° | 812 | 5232 | 5198 |
| 75° | 889 | 4255 | 4056 |
| 80° | 950 | 2940 | 2734 |
| 85° | 803 | 1551 | 1398 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 7923 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 39.0 | 0.6 |
| 10°-20° | 172.8 | 2.8 |
| 20°-30° | 302.2 | 4.9 |
| 30°-40° | 389.0 | 6.2 |
| 40°-50° | 434.5 | 7.0 |
| 50°-60° | 416.2 | 6.7 |
| 60°-70° | 329.8 | 5.3 |
| 70°-80° | 193.9 | 3.1 |
| 80°-90° | 56.2 | 0.9 |
| 90°-100° | 292.7 | 4.7 |
| 100°-110° | 769.6 | 12.4 |
| 110°-120° | 798.0 | 12.8 |
| 120°-130° | 640.1 | 10.3 |
| 130°-140° | 502.2 | 8.1 |
| 140°-150° | 385.5 | 6.2 |
| 150°-160° | 277.6 | 4.5 |
| 160°-170° | 169.9 | 2.7 |
| 170°-180° | 57.4 | 0.9 |
| 0°-30° | 514.0 | 8.3 |
| 0°-40° | 903.0 | 14.5 |
| 0°-60° | 1753.7 | 28.2 |
| 0°-90° | 2333.6 | 37.5 |
| 90°-120° | 1860.4 | 29.9 |
| 90°-150° | 3388.2 | 54.4 |
| 90°-180° | 3893.0 | 62.5 |
| 0°-180° | 6226.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|------|------|
| 0° | 301 | 301 | 301 | 301 | 301 | |
| 5° | 294 | 315 | 355 | 401 | 416 | 27 |
| 15° | 220 | 406 | 684 | 830 | 856 | 61 |
| 25° | 140 | 460 | 815 | 851 | 852 | 65 |
| 35° | 95 | 440 | 767 | 811 | 843 | 59 |
| 45° | 65 | 351 | 678 | 777 | 812 | 50 |
| 55° | 46 | 223 | 576 | 669 | 687 | 42 |
| 65° | 37 | 118 | 427 | 481 | 487 | 37 |
| 75° | 27 | 73 | 234 | 258 | 259 | 28 |
| 85° | 10 | 22 | 58 | 64 | 65 | 10 |
| 90° | 4 | 11 | 31 | 15 | 15 | 4 |
| 95° | 39 | 152 | 504 | 260 | 177 | 43 |
| 105° | 139 | 210 | 851 | 1292 | 1205 | 147 |
| 115° | 246 | 299 | 682 | 1360 | 1552 | 243 |
| 125° | 343 | 384 | 620 | 1048 | 1236 | 304 |
| 135° | 408 | 449 | 601 | 846 | 959 | 316 |
| 145° | 474 | 504 | 593 | 721 | 778 | 297 |
| 155° | 535 | 550 | 593 | 651 | 670 | 246 |
| 165° | 578 | 585 | 593 | 616 | 624 | 163 |
| 175° | 601 | 601 | 597 | 605 | 605 | 57 |
| 180° | 601 | 601 | 601 | 601 | 601 | |



TEST NUMBER: P937584

CATALOG NUMBER: SQ4-FB-100U-075D-B2750-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0° | 301.4 | 301.4 | 301.4 | 301.4 | 301.4 | 301.4 | 301.4 | 301.4 | 301.4 | 301.4 | 301.4 |
| 2.5° | 301.4 | 301.4 | 303.3 | 304.3 | 306.2 | 307.2 | 309.1 | 311.0 | 316.9 | 317.8 | 319.8 |
| 5° | 293.6 | 297.5 | 310.1 | 314.9 | 328.5 | 346.9 | 354.7 | 367.3 | 393.4 | 401.2 | 406.0 |
| 7.5° | 282.0 | 290.7 | 321.7 | 329.5 | 363.4 | 411.8 | 432.2 | 459.3 | 501.0 | 521.3 | 537.8 |
| 10° | 263.6 | 282.0 | 337.2 | 355.6 | 410.9 | 484.5 | 522.3 | 560.1 | 623.1 | 651.2 | 661.8 |
| 12.5° | 243.2 | 273.3 | 353.7 | 378.9 | 458.3 | 565.9 | 611.4 | 653.1 | 724.8 | 762.6 | 768.4 |
| 15° | 220.0 | 260.7 | 369.2 | 406.0 | 508.7 | 633.7 | 684.1 | 735.5 | 802.3 | 829.5 | 836.2 |
| 17.5° | 199.6 | 251.0 | 383.7 | 422.5 | 547.5 | 694.8 | 746.1 | 788.8 | 843.0 | 861.4 | 866.3 |
| 20° | 174.4 | 235.5 | 393.4 | 443.8 | 588.2 | 739.3 | 788.8 | 821.7 | 858.5 | 870.2 | 872.1 |
| 22.5° | 156.0 | 219.0 | 399.2 | 451.6 | 615.3 | 766.5 | 808.1 | 834.3 | 859.5 | 863.4 | 864.3 |
| 25° | 140.5 | 200.6 | 398.3 | 460.3 | 638.6 | 783.0 | 814.9 | 834.3 | 848.8 | 850.8 | 850.8 |
| 27.5° | 126.0 | 180.2 | 394.4 | 462.2 | 656.0 | 786.8 | 812.0 | 825.6 | 832.4 | 836.2 | 836.2 |
| 30° | 113.4 | 160.9 | 384.7 | 458.3 | 663.8 | 783.0 | 803.3 | 810.1 | 816.9 | 822.7 | 825.6 |
| 32.5° | 103.7 | 142.4 | 370.2 | 450.6 | 664.7 | 773.3 | 787.8 | 791.7 | 801.4 | 814.9 | 819.8 |
| 35° | 95.0 | 124.0 | 353.7 | 439.9 | 658.9 | 757.8 | 767.4 | 771.3 | 790.7 | 811.1 | 817.8 |
| 37.5° | 86.2 | 110.5 | 332.4 | 421.5 | 650.2 | 739.3 | 746.1 | 752.9 | 783.0 | 807.2 | 814.9 |
| 40° | 77.5 | 98.8 | 307.2 | 401.2 | 636.6 | 717.1 | 722.9 | 733.5 | 773.3 | 801.4 | 809.1 |
| 42.5° | 70.7 | 89.1 | 280.0 | 379.8 | 619.2 | 691.9 | 700.6 | 716.1 | 761.6 | 791.7 | 800.4 |
| 45° | 64.9 | 79.5 | 251.0 | 350.8 | 596.9 | 665.7 | 678.3 | 699.6 | 748.1 | 777.1 | 784.9 |
| 47.5° | 59.1 | 72.7 | 220.9 | 320.7 | 572.7 | 639.5 | 656.0 | 680.2 | 729.7 | 757.8 | 764.5 |
| 50° | 54.3 | 65.9 | 190.9 | 288.8 | 546.5 | 611.4 | 630.8 | 656.0 | 706.4 | 732.6 | 741.3 |
| 52.5° | 50.4 | 60.1 | 162.8 | 256.8 | 516.5 | 582.4 | 604.7 | 630.8 | 678.3 | 703.5 | 709.3 |
| 55° | 46.5 | 55.2 | 138.6 | 222.9 | 485.5 | 551.4 | 575.6 | 600.8 | 647.3 | 668.6 | 672.5 |
| 57.5° | 44.6 | 51.4 | 118.2 | 190.9 | 452.5 | 516.5 | 543.6 | 566.9 | 610.5 | 626.9 | 630.8 |
| 60° | 41.7 | 48.4 | 102.7 | 163.8 | 416.7 | 483.5 | 506.8 | 530.0 | 566.9 | 580.4 | 583.3 |
| 62.5° | 38.8 | 46.5 | 91.1 | 137.6 | 379.8 | 444.8 | 468.0 | 489.3 | 520.4 | 530.0 | 533.9 |
| 65° | 36.8 | 44.6 | 82.4 | 118.2 | 342.1 | 404.1 | 427.3 | 445.7 | 470.9 | 480.6 | 482.6 |
| 67.5° | 34.9 | 42.6 | 75.6 | 101.7 | 304.3 | 363.4 | 380.8 | 398.3 | 417.6 | 427.3 | 428.3 |
| 70° | 32.0 | 40.7 | 69.8 | 90.1 | 265.5 | 316.9 | 331.4 | 349.8 | 365.3 | 370.2 | 373.1 |
| 72.5° | 30.0 | 37.8 | 65.9 | 81.4 | 225.8 | 272.3 | 285.9 | 296.5 | 310.1 | 314.9 | 314.9 |
| 75° | 27.1 | 33.9 | 62.0 | 72.7 | 185.1 | 222.9 | 234.5 | 245.2 | 255.8 | 257.8 | 254.8 |
| 77.5° | 24.2 | 30.0 | 53.3 | 61.0 | 144.4 | 176.4 | 186.0 | 191.9 | 200.6 | 202.5 | 203.5 |
| 80° | 20.3 | 26.2 | 41.7 | 47.5 | 104.7 | 129.8 | 136.6 | 141.5 | 149.2 | 149.2 | 151.2 |
| 82.5° | 15.5 | 20.3 | 30.0 | 33.9 | 70.7 | 89.1 | 95.0 | 97.9 | 102.7 | 102.7 | 102.7 |
| 85° | 9.7 | 12.6 | 19.4 | 22.3 | 42.6 | 54.3 | 58.1 | 59.1 | 63.0 | 64.0 | 64.0 |
| 87.5° | 4.8 | 6.8 | 12.6 | 13.6 | 22.3 | 28.1 | 28.1 | 30.0 | 30.0 | 29.1 | 28.1 |
| 90° | 4.1 | 7.3 | 10.5 | 11.2 | 17.7 | 26.4 | 30.6 | 27.2 | 20.4 | 15.3 | 15.3 |
| 92.5° | 16.1 | 43.5 | 70.9 | 77.8 | 109.4 | 151.5 | 172.5 | 151.2 | 108.5 | 76.6 | 73.5 |
| 95° | 38.7 | 88.9 | 139.1 | 151.6 | 269.1 | 425.8 | 504.2 | 449.9 | 341.4 | 260.0 | 250.8 |
| 97.5° | 66.9 | 111.1 | 155.4 | 166.5 | 362.5 | 623.8 | 754.5 | 720.2 | 651.6 | 600.1 | 582.6 |
| 100° | 88.7 | 128.8 | 168.9 | 179.0 | 396.5 | 686.5 | 831.5 | 834.0 | 839.0 | 842.7 | 821.8 |
| 102.5° | 107.2 | 144.7 | 182.1 | 191.5 | 412.1 | 706.2 | 853.3 | 897.0 | 984.4 | 1049.9 | 1032.0 |
| 105° | 138.7 | 170.4 | 202.0 | 210.0 | 423.6 | 708.4 | 850.9 | 948.8 | 1144.8 | 1291.8 | 1282.2 |
| 107.5° | 170.9 | 200.5 | 230.0 | 237.4 | 425.8 | 676.8 | 802.4 | 939.2 | 1212.5 | 1417.6 | 1419.9 |
| 110° | 192.6 | 219.4 | 246.0 | 252.7 | 422.5 | 648.9 | 762.1 | 914.9 | 1220.6 | 1449.7 | 1459.8 |



TEST NUMBER: P937584

CATALOG NUMBER: SQ4-FB-100U-075D-B2750-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 112.5° | 214.1 | 239.4 | 264.8 | 271.2 | 422.7 | 624.5 | 725.5 | 881.9 | 1194.6 | 1429.2 | 1444.6 |
| 115° | 246.2 | 269.7 | 293.1 | 299.0 | 426.6 | 596.6 | 681.6 | 832.3 | 1133.5 | 1359.5 | 1380.8 |
| 117.5° | 278.1 | 299.4 | 320.7 | 326.1 | 434.5 | 579.1 | 651.4 | 787.3 | 1059.2 | 1263.2 | 1286.8 |
| 120° | 296.6 | 316.7 | 336.7 | 341.8 | 440.9 | 573.2 | 639.2 | 763.5 | 1011.9 | 1198.3 | 1221.3 |
| 122.5° | 314.8 | 335.1 | 355.3 | 360.4 | 450.2 | 570.1 | 629.9 | 741.8 | 965.5 | 1133.3 | 1156.0 |
| 125° | 342.6 | 361.0 | 379.5 | 384.1 | 462.7 | 567.4 | 619.9 | 714.9 | 904.9 | 1047.5 | 1068.4 |
| 127.5° | 365.1 | 383.7 | 402.4 | 407.1 | 475.2 | 566.0 | 611.4 | 693.0 | 856.2 | 978.6 | 996.2 |
| 130° | 377.2 | 397.3 | 417.3 | 422.4 | 484.3 | 567.0 | 608.2 | 680.9 | 826.2 | 935.1 | 951.4 |
| 132.5° | 389.7 | 409.8 | 429.8 | 434.9 | 491.7 | 567.4 | 605.3 | 670.4 | 800.4 | 898.0 | 912.6 |
| 135° | 408.3 | 426.6 | 444.9 | 449.4 | 499.8 | 567.0 | 600.6 | 655.0 | 763.9 | 845.5 | 858.1 |
| 137.5° | 427.2 | 445.4 | 463.4 | 467.9 | 511.8 | 570.5 | 599.7 | 645.7 | 737.8 | 806.9 | 817.2 |
| 140° | 442.9 | 459.6 | 476.3 | 480.4 | 519.3 | 571.0 | 596.9 | 636.6 | 716.2 | 775.9 | 785.5 |
| 142.5° | 455.0 | 470.4 | 485.9 | 489.7 | 525.5 | 573.1 | 596.9 | 631.8 | 701.7 | 754.1 | 762.4 |
| 145° | 473.6 | 487.0 | 500.4 | 503.8 | 533.5 | 573.2 | 592.9 | 621.5 | 678.6 | 721.4 | 727.7 |
| 147.5° | 492.2 | 505.2 | 518.2 | 521.5 | 545.4 | 577.0 | 592.9 | 615.4 | 660.4 | 694.1 | 699.3 |
| 150° | 504.2 | 516.0 | 527.8 | 530.8 | 551.6 | 579.2 | 592.9 | 611.9 | 649.8 | 678.3 | 682.5 |
| 152.5° | 516.7 | 525.6 | 534.6 | 536.8 | 555.5 | 580.4 | 592.9 | 609.1 | 641.5 | 665.8 | 669.0 |
| 155° | 535.3 | 541.9 | 548.6 | 550.2 | 564.4 | 583.4 | 592.9 | 605.8 | 631.6 | 650.9 | 653.0 |
| 157.5° | 548.9 | 555.4 | 561.8 | 563.5 | 573.3 | 586.3 | 592.9 | 602.9 | 623.0 | 638.0 | 639.4 |
| 160° | 558.2 | 563.3 | 568.2 | 569.5 | 577.3 | 587.7 | 592.9 | 601.6 | 618.7 | 631.6 | 632.5 |
| 162.5° | 567.4 | 571.2 | 575.0 | 576.0 | 581.6 | 589.2 | 592.9 | 600.2 | 614.6 | 625.5 | 626.3 |
| 165° | 577.5 | 580.9 | 584.3 | 585.2 | 587.8 | 591.2 | 592.9 | 598.2 | 608.5 | 616.3 | 617.2 |
| 167.5° | 586.8 | 588.5 | 590.1 | 590.5 | 592.6 | 595.5 | 596.9 | 600.3 | 607.1 | 612.2 | 612.6 |
| 170° | 592.9 | 594.5 | 596.1 | 596.5 | 596.6 | 596.8 | 596.9 | 600.3 | 607.1 | 612.2 | 612.2 |
| 172.5° | 596.1 | 596.5 | 596.8 | 596.9 | 596.9 | 596.9 | 596.9 | 599.6 | 604.9 | 609.0 | 608.7 |
| 175° | 600.6 | 600.6 | 600.6 | 600.6 | 599.3 | 597.7 | 596.9 | 598.6 | 602.0 | 604.6 | 604.6 |
| 177.5° | 600.6 | 600.6 | 600.6 | 600.6 | 599.6 | 598.4 | 597.7 | 599.0 | 601.7 | 603.8 | 603.4 |
| 180° | 600.6 | 600.6 | 600.6 | 600.6 | 600.6 | 600.6 | 600.6 | 600.6 | 600.6 | 600.6 | 600.6 |



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CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 301.4 | 301.4 |
| 2.5° | 321.7 | 319.8 |
| 5° | 413.8 | 415.7 |
| 7.5° | 557.2 | 556.2 |
| 10° | 692.8 | 701.6 |
| 12.5° | 791.7 | 793.6 |
| 15° | 851.8 | 855.6 |
| 17.5° | 875.0 | 876.0 |
| 20° | 876.0 | 874.0 |
| 22.5° | 865.3 | 863.4 |
| 25° | 852.7 | 851.8 |
| 27.5° | 841.1 | 842.1 |
| 30° | 836.2 | 839.2 |
| 32.5° | 836.2 | 841.1 |
| 35° | 838.2 | 843.0 |
| 37.5° | 837.2 | 843.0 |
| 40° | 833.3 | 840.1 |
| 42.5° | 822.7 | 827.5 |
| 45° | 806.2 | 812.0 |
| 47.5° | 784.9 | 788.8 |
| 50° | 757.8 | 761.6 |
| 52.5° | 723.8 | 724.8 |
| 55° | 683.1 | 687.0 |
| 57.5° | 639.5 | 640.5 |
| 60° | 591.1 | 594.0 |
| 62.5° | 539.7 | 539.7 |
| 65° | 485.5 | 487.4 |
| 67.5° | 429.3 | 434.1 |
| 70° | 372.1 | 373.1 |
| 72.5° | 315.9 | 315.9 |
| 75° | 257.8 | 258.7 |
| 77.5° | 202.5 | 202.5 |
| 80° | 150.2 | 151.2 |
| 82.5° | 103.7 | 105.6 |
| 85° | 64.9 | 64.9 |
| 87.5° | 30.0 | 27.1 |
| 90° | 15.3 | 15.3 |
| 92.5° | 61.3 | 49.1 |
| 95° | 213.9 | 176.9 |
| 97.5° | 512.3 | 442.2 |
| 100° | 738.2 | 654.6 |
| 102.5° | 960.4 | 888.8 |
| 105° | 1243.6 | 1205.1 |
| 107.5° | 1429.2 | 1438.5 |
| 110° | 1499.9 | 1540.0 |



TEST NUMBER: P937584

CATALOG NUMBER: SQ4-FB-100U-075D-B2750-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 1506.2 | 1567.8 |
| 115° | 1466.3 | 1551.8 |
| 117.5° | 1381.6 | 1476.4 |
| 120° | 1313.4 | 1405.4 |
| 122.5° | 1246.9 | 1337.7 |
| 125° | 1152.0 | 1235.8 |
| 127.5° | 1066.9 | 1137.4 |
| 130° | 1016.6 | 1081.8 |
| 132.5° | 970.9 | 1029.4 |
| 135° | 908.4 | 958.8 |
| 137.5° | 858.4 | 899.6 |
| 140° | 824.0 | 862.5 |
| 142.5° | 795.5 | 828.7 |
| 145° | 752.8 | 777.9 |
| 147.5° | 720.1 | 740.8 |
| 150° | 699.3 | 716.2 |
| 152.5° | 681.7 | 694.5 |
| 155° | 661.4 | 669.9 |
| 157.5° | 645.5 | 651.4 |
| 160° | 635.9 | 639.2 |
| 162.5° | 629.6 | 632.8 |
| 165° | 620.5 | 623.9 |
| 167.5° | 614.0 | 615.4 |
| 170° | 612.2 | 612.2 |
| 172.5° | 607.5 | 606.2 |
| 175° | 604.6 | 604.6 |
| 177.5° | 602.0 | 600.6 |
| 180° | 600.6 | 600.6 |



TEST NUMBER: P937584

CATALOG NUMBER: SQ4-FB-100U-075D-B2750-1D-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 | 3.30 | 4.08 | 4.35 | 5.14 | 6.58 | 16.43 | 17.22 | 17.49 | 18.28 | 19.72 |
| | 3H | 4.00 | 4.70 | 5.06 | 5.77 | 7.22 | 18.25 | 18.96 | 19.31 | 20.03 | 21.48 |
| | 4H | 4.29 | 4.96 | 5.36 | 6.03 | 7.49 | 18.88 | 19.55 | 19.96 | 20.62 | 22.09 |
| | 6H | 4.54 | 5.15 | 5.62 | 6.23 | 7.70 | 19.30 | 19.92 | 20.38 | 20.99 | 22.46 |
| | 8H | 4.60 | 5.19 | 5.69 | 6.28 | 7.75 | 19.41 | 20.00 | 20.50 | 21.09 | 22.56 |
| | 12H | 4.62 | 5.18 | 5.71 | 6.26 | 7.75 | 19.47 | 20.03 | 20.56 | 21.11 | 22.60 |
| 4H | 2H | 10.48 | 11.15 | 11.56 | 12.22 | 13.68 | 16.70 | 17.37 | 17.78 | 18.44 | 19.90 |
| | 3H | 12.04 | 12.60 | 13.13 | 13.70 | 15.17 | 18.72 | 19.29 | 19.81 | 20.38 | 21.86 |
| | 4H | 12.13 | 12.65 | 13.22 | 13.73 | 15.23 | 19.48 | 19.99 | 20.57 | 21.08 | 22.58 |
| | 6H | 12.14 | 12.58 | 13.24 | 13.69 | 15.18 | 20.00 | 20.44 | 21.10 | 21.55 | 23.04 |
| | 8H | 12.11 | 12.53 | 13.21 | 13.63 | 15.14 | 20.15 | 20.57 | 21.25 | 21.67 | 23.18 |
| | 12H | 12.07 | 12.44 | 13.18 | 13.56 | 15.07 | 20.24 | 20.61 | 21.35 | 21.73 | 23.24 |
| 8H | 4H | 13.56 | 13.97 | 14.66 | 15.08 | 16.58 | 19.53 | 19.95 | 20.63 | 21.05 | 22.56 |
| | 6H | 13.80 | 14.14 | 14.92 | 15.29 | 16.79 | 20.15 | 20.49 | 21.27 | 21.63 | 23.14 |
| | 8H | 13.82 | 14.12 | 14.95 | 15.24 | 16.76 | 20.36 | 20.66 | 21.49 | 21.78 | 23.31 |
| | 12H | 13.78 | 14.04 | 14.91 | 15.17 | 16.73 | 20.49 | 20.75 | 21.62 | 21.88 | 23.43 |
| 12H | 4H | 13.70 | 14.07 | 14.81 | 15.19 | 16.70 | 19.48 | 19.86 | 20.60 | 20.97 | 22.48 |
| | 6H | 14.05 | 14.35 | 15.18 | 15.48 | 17.00 | 20.13 | 20.43 | 21.26 | 21.55 | 23.08 |
| | 8H | 14.12 | 14.38 | 15.25 | 15.50 | 17.06 | 20.35 | 20.61 | 21.48 | 21.73 | 23.29 |