

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: P937586

Luminaire Tested: SQ4-FB-100U-075D-B2750-1D-UNV-STD-W-4-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P937586
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-4-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

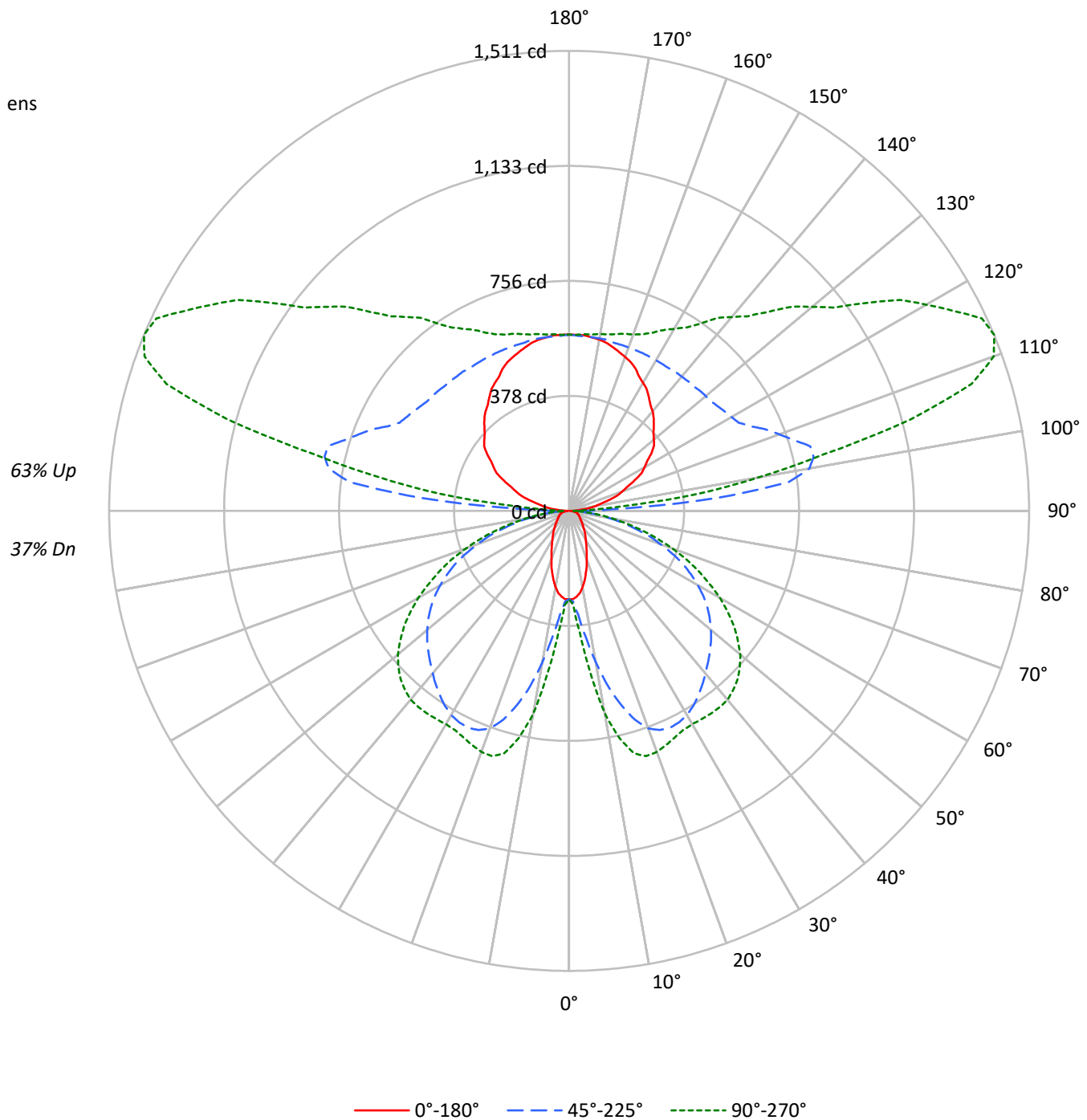
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6001.8 lumens
Efficiency: N/A
Efficacy: 122.0 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: P937586
CATALOG NUMBER: SQ4-FB-100U-075D-B2750-1D-UNV-STD-W-4-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P937586

CATALOG NUMBER: SQ4-FB-100U-075D-B2750-1D-UNV-STD-W-4-5000K

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2696 | 2696 | 2696 |
| 5° | 2630 | 3113 | 3623 |
| 10° | 2383 | 4534 | 6006 |
| 15° | 2023 | 5920 | 7252 |
| 20° | 1645 | 6855 | 7392 |
| 25° | 1370 | 7168 | 7241 |
| 30° | 1154 | 7208 | 7227 |
| 35° | 1019 | 7082 | 7415 |
| 40° | 886 | 6922 | 7608 |
| 45° | 801 | 6801 | 7638 |
| 50° | 733 | 6692 | 7511 |
| 55° | 700 | 6535 | 7178 |
| 60° | 715 | 6240 | 6652 |
| 65° | 740 | 5794 | 5930 |
| 70° | 782 | 5043 | 5010 |
| 75° | 859 | 4101 | 3910 |
| 80° | 917 | 2834 | 2634 |
| 85° | 770 | 1495 | 1349 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 7638 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 37.6 | 0.6 |
| 10°-20° | 166.5 | 2.8 |
| 20°-30° | 291.3 | 4.9 |
| 30°-40° | 375.0 | 6.2 |
| 40°-50° | 418.8 | 7.0 |
| 50°-60° | 401.1 | 6.7 |
| 60°-70° | 317.9 | 5.3 |
| 70°-80° | 186.9 | 3.1 |
| 80°-90° | 54.1 | 0.9 |
| 90°-100° | 282.1 | 4.7 |
| 100°-110° | 741.8 | 12.4 |
| 110°-120° | 769.2 | 12.8 |
| 120°-130° | 617.0 | 10.3 |
| 130°-140° | 484.1 | 8.1 |
| 140°-150° | 371.6 | 6.2 |
| 150°-160° | 267.6 | 4.5 |
| 160°-170° | 163.7 | 2.7 |
| 170°-180° | 55.3 | 0.9 |
| 0°-30° | 495.4 | 8.3 |
| 0°-40° | 870.4 | 14.5 |
| 0°-60° | 1690.3 | 28.2 |
| 0°-90° | 2249.3 | 37.5 |
| 90°-120° | 1793.2 | 29.9 |
| 90°-150° | 3265.8 | 54.4 |
| 90°-180° | 3752.0 | 62.5 |
| 0°-180° | 6001.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|------|------|
| 0° | 290 | 290 | 290 | 290 | 290 | |
| 5° | 283 | 304 | 342 | 387 | 401 | 26 |
| 15° | 212 | 391 | 659 | 800 | 825 | 59 |
| 25° | 135 | 444 | 786 | 820 | 821 | 62 |
| 35° | 92 | 424 | 740 | 782 | 813 | 57 |
| 45° | 63 | 338 | 654 | 749 | 783 | 48 |
| 55° | 45 | 215 | 555 | 644 | 662 | 41 |
| 65° | 36 | 114 | 412 | 463 | 470 | 35 |
| 75° | 26 | 70 | 226 | 248 | 249 | 27 |
| 85° | 9 | 22 | 56 | 62 | 63 | 10 |
| 90° | 4 | 11 | 30 | 15 | 15 | 4 |
| 95° | 37 | 146 | 486 | 251 | 170 | 41 |
| 105° | 134 | 202 | 820 | 1245 | 1162 | 142 |
| 115° | 237 | 288 | 657 | 1310 | 1496 | 234 |
| 125° | 330 | 370 | 598 | 1010 | 1191 | 293 |
| 135° | 394 | 433 | 579 | 815 | 924 | 304 |
| 145° | 456 | 486 | 572 | 695 | 750 | 286 |
| 155° | 516 | 530 | 572 | 627 | 646 | 237 |
| 165° | 557 | 564 | 572 | 594 | 601 | 157 |
| 175° | 579 | 579 | 575 | 583 | 583 | 55 |
| 180° | 579 | 579 | 579 | 579 | 579 | |



TEST NUMBER: P937586

CATALOG NUMBER: SQ4-FB-100U-075D-B2750-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0° | 290.5 | 290.5 | 290.5 | 290.5 | 290.5 | 290.5 | 290.5 | 290.5 | 290.5 | 290.5 | 290.5 |
| 2.5° | 290.5 | 290.5 | 292.3 | 293.3 | 295.1 | 296.1 | 297.9 | 299.8 | 305.4 | 306.4 | 308.2 |
| 5° | 283.0 | 286.7 | 298.9 | 303.6 | 316.6 | 334.4 | 341.8 | 354.0 | 379.2 | 386.7 | 391.3 |
| 7.5° | 271.8 | 280.2 | 310.1 | 317.6 | 350.2 | 397.0 | 416.6 | 442.7 | 482.9 | 502.5 | 518.4 |
| 10° | 254.0 | 271.8 | 325.0 | 342.8 | 396.0 | 467.0 | 503.4 | 539.9 | 600.6 | 627.6 | 637.9 |
| 12.5° | 234.4 | 263.4 | 340.9 | 365.2 | 441.8 | 545.5 | 589.4 | 629.5 | 698.6 | 735.1 | 740.7 |
| 15° | 212.0 | 251.2 | 355.9 | 391.3 | 490.4 | 610.8 | 659.4 | 708.9 | 773.4 | 799.5 | 806.0 |
| 17.5° | 192.4 | 241.9 | 369.9 | 407.2 | 527.7 | 669.7 | 719.2 | 760.3 | 812.6 | 830.3 | 835.0 |
| 20° | 168.1 | 227.0 | 379.2 | 427.8 | 566.9 | 712.6 | 760.3 | 792.0 | 827.5 | 838.7 | 840.6 |
| 22.5° | 150.4 | 211.1 | 384.8 | 435.2 | 593.1 | 738.8 | 779.0 | 804.2 | 828.5 | 832.2 | 833.1 |
| 25° | 135.4 | 193.3 | 383.9 | 443.6 | 615.5 | 754.7 | 785.5 | 804.2 | 818.2 | 820.1 | 820.1 |
| 27.5° | 121.4 | 173.7 | 380.1 | 445.5 | 632.3 | 758.4 | 782.7 | 795.8 | 802.3 | 806.0 | 806.0 |
| 30° | 109.3 | 155.0 | 370.8 | 441.8 | 639.8 | 754.7 | 774.3 | 780.8 | 787.4 | 793.0 | 795.8 |
| 32.5° | 99.9 | 137.3 | 356.8 | 434.3 | 640.7 | 745.3 | 759.3 | 763.1 | 772.4 | 785.5 | 790.2 |
| 35° | 91.5 | 119.6 | 340.9 | 424.0 | 635.1 | 730.4 | 739.7 | 743.5 | 762.1 | 781.8 | 788.3 |
| 37.5° | 83.1 | 106.5 | 320.4 | 406.3 | 626.7 | 712.6 | 719.2 | 725.7 | 754.7 | 778.0 | 785.5 |
| 40° | 74.7 | 95.3 | 296.1 | 386.7 | 613.6 | 691.2 | 696.8 | 707.0 | 745.3 | 772.4 | 779.9 |
| 42.5° | 68.2 | 85.9 | 269.9 | 366.1 | 596.8 | 666.9 | 675.3 | 690.2 | 734.1 | 763.1 | 771.5 |
| 45° | 62.6 | 76.6 | 241.9 | 338.1 | 575.3 | 641.7 | 653.8 | 674.3 | 721.0 | 749.1 | 756.5 |
| 47.5° | 57.0 | 70.0 | 213.0 | 309.2 | 552.0 | 616.4 | 632.3 | 655.7 | 703.3 | 730.4 | 736.9 |
| 50° | 52.3 | 63.5 | 184.0 | 278.3 | 526.8 | 589.4 | 608.0 | 632.3 | 680.9 | 706.1 | 714.5 |
| 52.5° | 48.6 | 57.9 | 156.9 | 247.5 | 497.8 | 561.3 | 582.8 | 608.0 | 653.8 | 678.1 | 683.7 |
| 55° | 44.8 | 53.2 | 133.6 | 214.8 | 467.9 | 531.4 | 554.8 | 579.1 | 623.9 | 644.5 | 648.2 |
| 57.5° | 43.0 | 49.5 | 113.9 | 184.0 | 436.2 | 497.8 | 524.0 | 546.4 | 588.4 | 604.3 | 608.0 |
| 60° | 40.2 | 46.7 | 99.0 | 157.8 | 401.6 | 466.1 | 488.5 | 510.9 | 546.4 | 559.5 | 562.3 |
| 62.5° | 37.4 | 44.8 | 87.8 | 132.6 | 366.1 | 428.7 | 451.1 | 471.7 | 501.6 | 510.9 | 514.6 |
| 65° | 35.5 | 43.0 | 79.4 | 113.9 | 329.7 | 389.5 | 411.9 | 429.6 | 453.9 | 463.3 | 465.1 |
| 67.5° | 33.6 | 41.1 | 72.9 | 98.1 | 293.3 | 350.2 | 367.1 | 383.9 | 402.6 | 411.9 | 412.8 |
| 70° | 30.8 | 39.2 | 67.2 | 86.9 | 255.9 | 305.4 | 319.4 | 337.2 | 352.1 | 356.8 | 359.6 |
| 72.5° | 29.0 | 36.4 | 63.5 | 78.5 | 217.6 | 262.5 | 275.5 | 285.8 | 298.9 | 303.6 | 303.6 |
| 75° | 26.2 | 32.7 | 59.8 | 70.0 | 178.4 | 214.8 | 226.0 | 236.3 | 246.6 | 248.4 | 245.6 |
| 77.5° | 23.4 | 29.0 | 51.4 | 58.8 | 139.2 | 170.0 | 179.3 | 184.9 | 193.3 | 195.2 | 196.1 |
| 80° | 19.6 | 25.2 | 40.2 | 45.8 | 100.9 | 125.2 | 131.7 | 136.4 | 143.8 | 143.8 | 145.7 |
| 82.5° | 14.9 | 19.6 | 29.0 | 32.7 | 68.2 | 85.9 | 91.5 | 94.3 | 99.0 | 99.0 | 99.0 |
| 85° | 9.3 | 12.1 | 18.7 | 21.5 | 41.1 | 52.3 | 56.0 | 57.0 | 60.7 | 61.6 | 61.6 |
| 87.5° | 4.7 | 6.5 | 12.1 | 13.1 | 21.5 | 27.1 | 27.1 | 29.0 | 29.0 | 28.0 | 27.1 |
| 90° | 3.9 | 7.0 | 10.1 | 10.8 | 17.1 | 25.4 | 29.5 | 26.2 | 19.7 | 14.8 | 14.8 |
| 92.5° | 15.5 | 41.9 | 68.4 | 75.0 | 105.4 | 146.0 | 166.3 | 145.7 | 104.6 | 73.8 | 70.9 |
| 95° | 37.3 | 85.6 | 134.0 | 146.1 | 259.4 | 410.4 | 486.0 | 433.7 | 329.0 | 250.6 | 241.7 |
| 97.5° | 64.4 | 107.1 | 149.8 | 160.5 | 349.4 | 601.3 | 727.2 | 694.1 | 628.0 | 578.4 | 561.5 |
| 100° | 85.5 | 124.1 | 162.8 | 172.5 | 382.2 | 661.7 | 801.5 | 803.9 | 808.7 | 812.3 | 792.1 |
| 102.5° | 103.3 | 139.4 | 175.5 | 184.6 | 397.2 | 680.7 | 822.5 | 864.6 | 948.9 | 1012.0 | 994.7 |
| 105° | 133.7 | 164.2 | 194.7 | 202.4 | 408.3 | 682.8 | 820.1 | 914.6 | 1103.4 | 1245.1 | 1235.9 |
| 107.5° | 164.8 | 193.2 | 221.7 | 228.8 | 410.4 | 652.4 | 773.4 | 905.2 | 1168.7 | 1366.3 | 1368.6 |
| 110° | 185.7 | 211.5 | 237.1 | 243.6 | 407.2 | 625.5 | 734.6 | 881.9 | 1176.5 | 1397.4 | 1407.1 |



TEST NUMBER: P937586

CATALOG NUMBER: SQ4-FB-100U-075D-B2750-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 112.5° | 206.3 | 230.8 | 255.3 | 261.4 | 407.4 | 602.0 | 699.3 | 850.0 | 1151.4 | 1377.6 | 1392.4 |
| 115° | 237.3 | 259.9 | 282.5 | 288.2 | 411.1 | 575.1 | 657.0 | 802.2 | 1092.6 | 1310.4 | 1331.0 |
| 117.5° | 268.1 | 288.6 | 309.2 | 314.3 | 418.8 | 558.2 | 627.8 | 758.9 | 1021.0 | 1217.6 | 1240.4 |
| 120° | 285.9 | 305.2 | 324.6 | 329.4 | 425.0 | 552.5 | 616.2 | 735.9 | 975.4 | 1155.0 | 1177.2 |
| 122.5° | 303.5 | 323.0 | 342.5 | 347.4 | 433.9 | 549.5 | 607.2 | 715.0 | 930.6 | 1092.4 | 1114.3 |
| 125° | 330.3 | 348.0 | 365.8 | 370.2 | 446.0 | 547.0 | 597.5 | 689.1 | 872.3 | 1009.7 | 1029.8 |
| 127.5° | 351.9 | 369.9 | 387.9 | 392.4 | 458.0 | 545.5 | 589.4 | 668.0 | 825.3 | 943.2 | 960.2 |
| 130° | 363.6 | 382.9 | 402.3 | 407.1 | 466.8 | 546.5 | 586.3 | 656.3 | 796.3 | 901.3 | 917.0 |
| 132.5° | 375.7 | 395.0 | 414.3 | 419.2 | 473.9 | 547.0 | 583.5 | 646.1 | 771.5 | 865.5 | 879.6 |
| 135° | 393.6 | 411.1 | 428.8 | 433.2 | 481.8 | 546.5 | 578.9 | 631.4 | 736.3 | 815.0 | 827.2 |
| 137.5° | 411.8 | 429.3 | 446.6 | 451.0 | 493.3 | 549.8 | 578.1 | 622.4 | 711.1 | 777.7 | 787.6 |
| 140° | 426.9 | 443.0 | 459.1 | 463.1 | 500.5 | 550.4 | 575.3 | 613.6 | 690.3 | 747.9 | 757.1 |
| 142.5° | 438.6 | 453.5 | 468.3 | 472.0 | 506.5 | 552.4 | 575.3 | 609.0 | 676.3 | 726.8 | 734.9 |
| 145° | 456.4 | 469.4 | 482.3 | 485.6 | 514.3 | 552.5 | 571.5 | 599.1 | 654.1 | 695.4 | 701.4 |
| 147.5° | 474.4 | 487.0 | 499.5 | 502.7 | 525.7 | 556.2 | 571.5 | 593.2 | 636.5 | 669.0 | 674.1 |
| 150° | 486.0 | 497.4 | 508.7 | 511.6 | 531.6 | 558.3 | 571.5 | 589.8 | 626.3 | 653.8 | 657.8 |
| 152.5° | 498.0 | 506.6 | 515.3 | 517.4 | 535.5 | 559.5 | 571.5 | 587.1 | 618.3 | 641.8 | 644.8 |
| 155° | 515.9 | 522.3 | 528.7 | 530.3 | 544.1 | 562.4 | 571.5 | 583.9 | 608.8 | 627.4 | 629.4 |
| 157.5° | 529.1 | 535.4 | 541.5 | 543.1 | 552.6 | 565.2 | 571.5 | 581.1 | 600.5 | 614.9 | 616.3 |
| 160° | 538.1 | 542.9 | 547.7 | 548.9 | 556.5 | 566.5 | 571.5 | 579.8 | 596.4 | 608.8 | 609.6 |
| 162.5° | 547.0 | 550.6 | 554.2 | 555.2 | 560.6 | 567.9 | 571.5 | 578.5 | 592.4 | 602.9 | 603.6 |
| 165° | 556.7 | 559.9 | 563.2 | 564.0 | 566.6 | 569.8 | 571.5 | 576.6 | 586.6 | 594.0 | 594.9 |
| 167.5° | 565.6 | 567.2 | 568.8 | 569.2 | 571.2 | 573.9 | 575.3 | 578.6 | 585.2 | 590.1 | 590.5 |
| 170° | 571.5 | 573.0 | 574.6 | 575.0 | 575.1 | 575.3 | 575.3 | 578.6 | 585.2 | 590.1 | 590.1 |
| 172.5° | 574.6 | 575.0 | 575.3 | 575.3 | 575.3 | 575.3 | 575.3 | 578.0 | 583.1 | 587.0 | 586.7 |
| 175° | 578.9 | 578.9 | 578.9 | 578.9 | 577.7 | 576.1 | 575.3 | 577.0 | 580.3 | 582.7 | 582.7 |
| 177.5° | 578.9 | 578.9 | 578.9 | 578.9 | 578.0 | 576.7 | 576.1 | 577.4 | 580.0 | 582.0 | 581.6 |
| 180° | 578.9 | 578.9 | 578.9 | 578.9 | 578.9 | 578.9 | 578.9 | 578.9 | 578.9 | 578.9 | 578.9 |



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CATALOG NUMBER: SQ4-FB-100U-075D-B2750-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 290.5 | 290.5 |
| 2.5° | 310.1 | 308.2 |
| 5° | 398.8 | 400.7 |
| 7.5° | 537.1 | 536.1 |
| 10° | 667.8 | 676.2 |
| 12.5° | 763.1 | 764.9 |
| 15° | 821.0 | 824.7 |
| 17.5° | 843.4 | 844.3 |
| 20° | 844.3 | 842.5 |
| 22.5° | 834.1 | 832.2 |
| 25° | 821.9 | 821.0 |
| 27.5° | 810.7 | 811.6 |
| 30° | 806.0 | 808.8 |
| 32.5° | 806.0 | 810.7 |
| 35° | 807.9 | 812.6 |
| 37.5° | 807.0 | 812.6 |
| 40° | 803.2 | 809.8 |
| 42.5° | 793.0 | 797.6 |
| 45° | 777.1 | 782.7 |
| 47.5° | 756.5 | 760.3 |
| 50° | 730.4 | 734.1 |
| 52.5° | 697.7 | 698.6 |
| 55° | 658.5 | 662.2 |
| 57.5° | 616.4 | 617.4 |
| 60° | 569.7 | 572.5 |
| 62.5° | 520.2 | 520.2 |
| 65° | 467.9 | 469.8 |
| 67.5° | 413.8 | 418.4 |
| 70° | 358.7 | 359.6 |
| 72.5° | 304.5 | 304.5 |
| 75° | 248.4 | 249.4 |
| 77.5° | 195.2 | 195.2 |
| 80° | 144.8 | 145.7 |
| 82.5° | 99.9 | 101.8 |
| 85° | 62.6 | 62.6 |
| 87.5° | 29.0 | 26.2 |
| 90° | 14.8 | 14.8 |
| 92.5° | 59.1 | 47.4 |
| 95° | 206.1 | 170.5 |
| 97.5° | 493.8 | 426.2 |
| 100° | 711.5 | 630.9 |
| 102.5° | 925.7 | 856.7 |
| 105° | 1198.7 | 1161.6 |
| 107.5° | 1377.6 | 1386.5 |
| 110° | 1445.7 | 1484.4 |



TEST NUMBER: P937586

CATALOG NUMBER: SQ4-FB-100U-075D-B2750-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 1451.8 | 1511.2 |
| 115° | 1413.3 | 1495.7 |
| 117.5° | 1331.7 | 1423.0 |
| 120° | 1265.9 | 1354.7 |
| 122.5° | 1201.9 | 1289.4 |
| 125° | 1110.4 | 1191.1 |
| 127.5° | 1028.3 | 1096.3 |
| 130° | 979.9 | 1042.7 |
| 132.5° | 935.9 | 992.2 |
| 135° | 875.6 | 924.2 |
| 137.5° | 827.4 | 867.1 |
| 140° | 794.3 | 831.4 |
| 142.5° | 766.8 | 798.8 |
| 145° | 725.6 | 749.8 |
| 147.5° | 694.1 | 714.0 |
| 150° | 674.1 | 690.3 |
| 152.5° | 657.1 | 669.4 |
| 155° | 637.5 | 645.7 |
| 157.5° | 622.1 | 627.8 |
| 160° | 612.9 | 616.2 |
| 162.5° | 606.8 | 609.9 |
| 165° | 598.1 | 601.4 |
| 167.5° | 591.8 | 593.2 |
| 170° | 590.1 | 590.1 |
| 172.5° | 585.5 | 584.3 |
| 175° | 582.7 | 582.7 |
| 177.5° | 580.3 | 578.9 |
| 180° | 578.9 | 578.9 |



TEST NUMBER: P937586

CATALOG NUMBER: SQ4-FB-100U-075D-B2750-1D-UNV-STD-W-4-5000K

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 | 3.17 | 3.95 | 4.22 | 5.01 | 6.45 | 16.31 | 17.09 | 17.36 | 18.15 | 19.59 |
| | 3H | 3.87 | 4.57 | 4.93 | 5.64 | 7.10 | 18.13 | 18.83 | 19.19 | 19.90 | 21.35 |
| | 4H | 4.16 | 4.83 | 5.23 | 5.90 | 7.36 | 18.76 | 19.43 | 19.83 | 20.50 | 21.96 |
| | 6H | 4.41 | 5.03 | 5.49 | 6.10 | 7.57 | 19.17 | 19.79 | 20.25 | 20.86 | 22.34 |
| | 8H | 4.48 | 5.06 | 5.56 | 6.15 | 7.62 | 19.28 | 19.87 | 20.37 | 20.96 | 22.43 |
| | 12H | 4.49 | 5.05 | 5.58 | 6.13 | 7.63 | 19.34 | 19.90 | 20.43 | 20.98 | 22.48 |
| 4H | 2H | 10.35 | 11.02 | 11.43 | 12.09 | 13.55 | 16.57 | 17.24 | 17.65 | 18.31 | 19.77 |
| | 3H | 11.91 | 12.47 | 13.00 | 13.57 | 15.04 | 18.60 | 19.16 | 19.68 | 20.25 | 21.73 |
| | 4H | 12.00 | 12.52 | 13.10 | 13.61 | 15.10 | 19.35 | 19.86 | 20.44 | 20.95 | 22.45 |
| | 6H | 12.01 | 12.45 | 13.11 | 13.56 | 15.05 | 19.87 | 20.31 | 20.97 | 21.43 | 22.91 |
| | 8H | 11.99 | 12.40 | 13.09 | 13.50 | 15.01 | 20.03 | 20.44 | 21.13 | 21.54 | 23.05 |
| | 12H | 11.94 | 12.31 | 13.06 | 13.43 | 14.94 | 20.11 | 20.48 | 21.23 | 21.60 | 23.11 |
| 8H | 4H | 13.43 | 13.84 | 14.53 | 14.95 | 16.45 | 19.41 | 19.82 | 20.51 | 20.92 | 22.43 |
| | 6H | 13.67 | 14.01 | 14.79 | 15.16 | 16.66 | 20.02 | 20.36 | 21.14 | 21.51 | 23.01 |
| | 8H | 13.69 | 13.99 | 14.82 | 15.11 | 16.64 | 20.23 | 20.53 | 21.36 | 21.65 | 23.18 |
| | 12H | 13.65 | 13.92 | 14.79 | 15.04 | 16.60 | 20.36 | 20.63 | 21.50 | 21.75 | 23.31 |
| 12H | 4H | 13.57 | 13.94 | 14.69 | 15.06 | 16.57 | 19.35 | 19.73 | 20.47 | 20.84 | 22.36 |
| | 6H | 13.92 | 14.23 | 15.05 | 15.35 | 16.87 | 20.00 | 20.30 | 21.13 | 21.43 | 22.95 |
| | 8H | 13.99 | 14.25 | 15.12 | 15.38 | 16.94 | 20.22 | 20.48 | 21.35 | 21.61 | 23.16 |