

LUMINAIRE: CWW2-35MWG-1WR-EDU
 CWW Contemporary Wallwash, Recessed Architectural
 3" x 24" led with frosted acylic prisms lens
 Scaled from Test#16.00841
BALLAST: XI040C110V054BPT1
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 1820
WATTS: 20.40
MOUNTING: Recessed
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = N/A 90° = N/A
LUMINOUS OPENING IN FEET
 LENGTH: 0.25
 WIDTH: 1.92
 HEIGHT: 0.00

TEST #16236
 DATE: 6/3/2016
TOTAL LUMINAIRE EFFICIENCY = 100.0
TOTAL LUMENS PER WATT = 89

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.64
BASED ON 3000 HRS. AND \$.08 PER KWH

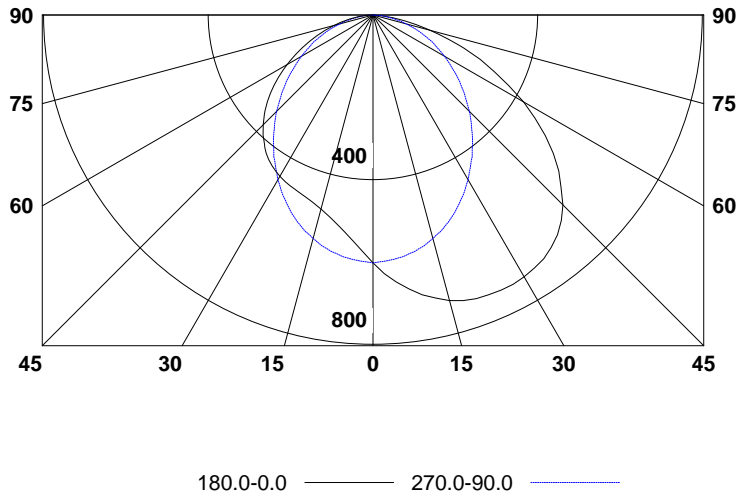
ZONAL LUMENS

| ZONE | LUMENS | % LAMP | % FIXTURE |
|-------|--------|--------|-----------|
| 0-30 | 478 | 26.3 | 26.3 |
| 0-40 | 797 | 43.8 | 43.8 |
| 0-60 | 1442 | 79.2 | 79.2 |
| 0-90 | 1820 | 100.0 | 100.0 |
| 0-180 | 1820 | 100.0 | 100.0 |

CANDELA SUMMARY

| ANGLE | 0.0 | 25.0 | 55.0 | 80.0 | 180.0 |
|-------|-----|------|------|------|-------|
| 0.0 | 602 | 602 | 602 | 602 | 602 |
| 7.5 | 671 | 666 | 638 | 605 | 531 |
| 15.0 | 718 | 707 | 655 | 591 | 488 |
| 22.5 | 735 | 720 | 653 | 559 | 467 |
| 30.0 | 734 | 714 | 632 | 511 | 452 |
| 37.5 | 711 | 687 | 588 | 450 | 425 |
| 45.0 | 652 | 632 | 527 | 378 | 377 |
| 52.5 | 552 | 539 | 449 | 304 | 315 |
| 60.0 | 422 | 419 | 351 | 229 | 242 |
| 67.5 | 282 | 287 | 244 | 158 | 166 |
| 75.0 | 145 | 156 | 141 | 94 | 98 |
| 82.5 | 42 | 49 | 54 | 38 | 43 |
| 90.0 | 0 | 0 | 0 | 0 | 0 |

INDOOR CANDELA PLOT



AVERAGE LUMINANCE

| ANGLE | 0.0 | 22.5 | 45.0 | 67.5 | 90.0 | 180.0 |
|-------|-------|-------|-------|-------|-------|-------|
| 0 | 13500 | 13500 | 13500 | 13500 | 13500 | 13500 |
| 30 | 19006 | 18592 | 17219 | 14863 | 11963 | 11704 |
| 40 | 20404 | 19818 | 17945 | 14695 | 10978 | 12002 |
| 45 | 20677 | 20138 | 18235 | 14461 | 10497 | 11956 |
| 50 | 20548 | 20060 | 18246 | 14059 | 9978 | 11757 |
| 55 | 19978 | 19666 | 17984 | 13567 | 9500 | 11377 |
| 60 | 18927 | 18747 | 17402 | 12917 | 9015 | 10854 |
| 65 | 17245 | 17510 | 16502 | 12098 | 8596 | 10082 |
| 70 | 15408 | 15736 | 15146 | 11015 | 7999 | 9310 |
| 75 | 12563 | 13343 | 13430 | 9791 | 7365 | 8491 |
| 80 | 9298 | 10073 | 11106 | 8394 | 6586 | 7619 |
| 85 | 5146 | 5918 | 7976 | 6690 | 5918 | 6690 |

CANDELA/SQ M

THE DATA IN THIS REPORT ARE BASED ON ABSOLUTE MEASUREMENTS.

THIS TEST RUN IN ACCORDANCE WITH CURRENT I.E.S.N.A. PUBLISHED PROCEDURES.

APPROVED BY: _____

LUMINAIRE: CWW2-35MWG-1WR-EDU
CWW Contemporary Wallwash, Recessed Architectural
3" x 24" led with frosted acrylic prisms lens
Scaled from Test#16.00841

TEST #16236
DATE: 6/3/2016

CANDELA VALUES

| ANGLE | 0.0 | 5.0 | 10.0 | 15.0 | 20.0 | 22.5 | 25.0 | 30.0 | 35.0 | 40.0 | 45.0 | 50.0 | 55.0 | 60.0 | 65.0 | 67.5 | 70.0 |
|-------|-------------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0.0 | 602 | 602 | 602 | 602 | 602 | 602 | 602 | 602 | 602 | 602 | 602 | 602 | 602 | 602 | 602 | 602 | 602 |
| 2.5 | 629 | 629 | 630 | 630 | 630 | 629 | 627 | 627 | 625 | 623 | 621 | 619 | 616 | 614 | 610 | 609 | 607 |
| 5.0 | 651 | 652 | 652 | 652 | 650 | 650 | 648 | 646 | 643 | 641 | 637 | 633 | 629 | 623 | 618 | 615 | 612 |
| 7.5 | 671 | 672 | 671 | 671 | 669 | 667 | 666 | 664 | 660 | 654 | 650 | 645 | 638 | 632 | 624 | 620 | 616 |
| 10.0 | 690 | 690 | 690 | 689 | 686 | 684 | 682 | 678 | 673 | 667 | 661 | 654 | 646 | 638 | 629 | 623 | 618 |
| 12.5 | 704 | 705 | 704 | 703 | 700 | 698 | 696 | 691 | 684 | 677 | 669 | 661 | 651 | 641 | 630 | 623 | 617 |
| 15.0 | 718 | 718 | 716 | 715 | 711 | 709 | 707 | 701 | 694 | 685 | 676 | 666 | 655 | 643 | 630 | 622 | 616 |
| 17.5 | 727 | 727 | 725 | 724 | 720 | 718 | 715 | 708 | 700 | 692 | 680 | 669 | 657 | 643 | 627 | 619 | 611 |
| 20.0 | 733 | 732 | 731 | 728 | 725 | 722 | 719 | 713 | 704 | 694 | 682 | 670 | 656 | 641 | 623 | 615 | 605 |
| 22.5 | 735 | 735 | 733 | 730 | 726 | 724 | 720 | 714 | 705 | 695 | 682 | 668 | 653 | 636 | 617 | 607 | 597 |
| 25.0 | 737* | 736 | 735 | 732 | 726 | 724 | 720 | 712 | 703 | 692 | 679 | 665 | 648 | 630 | 609 | 599 | 588 |
| 27.5 | 737 | 736 | 734 | 731 | 725 | 722 | 718 | 710 | 699 | 687 | 673 | 658 | 641 | 621 | 599 | 588 | 576 |
| 30.0 | 734 | 733 | 731 | 728 | 721 | 718 | 714 | 705 | 694 | 680 | 665 | 649 | 632 | 610 | 587 | 574 | 561 |
| 32.5 | 729 | 728 | 726 | 722 | 715 | 712 | 708 | 698 | 684 | 671 | 656 | 639 | 618 | 597 | 573 | 559 | 545 |
| 35.0 | 723 | 721 | 718 | 714 | 707 | 703 | 699 | 687 | 675 | 661 | 644 | 625 | 605 | 582 | 556 | 543 | 529 |
| 37.5 | 711 | 711 | 708 | 704 | 696 | 692 | 687 | 677 | 663 | 648 | 631 | 610 | 588 | 564 | 538 | 525 | 510 |
| 40.0 | 697 | 696 | 693 | 687 | 681 | 677 | 672 | 662 | 648 | 632 | 613 | 593 | 570 | 545 | 518 | 502 | 487 |
| 42.5 | 677 | 675 | 673 | 668 | 663 | 658 | 655 | 644 | 631 | 614 | 595 | 574 | 550 | 524 | 495 | 480 | 465 |
| 45.0 | 652 | 650 | 648 | 644 | 640 | 635 | 632 | 621 | 609 | 593 | 575 | 553 | 527 | 500 | 472 | 456 | 440 |
| 47.5 | 619 | 619 | 618 | 615 | 609 | 607 | 603 | 596 | 584 | 569 | 551 | 527 | 502 | 475 | 445 | 428 | 414 |
| 50.0 | 589 | 587 | 585 | 581 | 579 | 575 | 573 | 564 | 554 | 542 | 523 | 501 | 476 | 449 | 419 | 403 | 387 |
| 52.5 | 552 | 550 | 550 | 546 | 545 | 540 | 539 | 531 | 522 | 511 | 493 | 474 | 449 | 421 | 392 | 376 | 361 |
| 55.0 | 511 | 509 | 509 | 506 | 505 | 503 | 501 | 494 | 486 | 475 | 460 | 440 | 418 | 390 | 362 | 347 | 332 |
| 57.5 | 466 | 466 | 467 | 465 | 464 | 464 | 461 | 457 | 450 | 439 | 424 | 407 | 385 | 359 | 332 | 316 | 303 |
| 60.0 | 422 | 421 | 421 | 420 | 422 | 418 | 419 | 415 | 410 | 401 | 388 | 372 | 351 | 327 | 302 | 288 | 276 |
| 62.5 | 372 | 375 | 374 | 375 | 373 | 374 | 374 | 372 | 368 | 361 | 351 | 335 | 315 | 294 | 270 | 258 | 245 |
| 65.0 | 325 | 328 | 328 | 330 | 330 | 330 | 332 | 328 | 325 | 319 | 311 | 297 | 280 | 259 | 238 | 228 | 216 |
| 67.5 | 282 | 282 | 283 | 283 | 285 | 284 | 287 | 285 | 283 | 279 | 271 | 260 | 244 | 227 | 206 | 197 | 188 |
| 70.0 | 235 | 233 | 237 | 237 | 240 | 240 | 243 | 242 | 240 | 237 | 231 | 221 | 208 | 193 | 176 | 168 | 161 |
| 72.5 | 187 | 188 | 191 | 192 | 195 | 196 | 196 | 198 | 198 | 196 | 190 | 183 | 173 | 160 | 146 | 139 | 133 |
| 75.0 | 145 | 144 | 148 | 151 | 154 | 154 | 156 | 159 | 160 | 158 | 155 | 148 | 141 | 129 | 119 | 113 | 108 |
| 77.5 | 107 | 106 | 108 | 110 | 115 | 115 | 117 | 118 | 120 | 121 | 119 | 116 | 109 | 101 | 93 | 88 | 84 |
| 80.0 | 72 | 71 | 73 | 74 | 79 | 78 | 81 | 83 | 85 | 86 | 86 | 84 | 80 | 74 | 67 | 65 | 62 |
| 82.5 | 42 | 42 | 43 | 46 | 47 | 48 | 49 | 53 | 55 | 56 | 57 | 55 | 54 | 51 | 47 | 44 | 43 |
| 85.0 | 20 | 19 | 20 | 20 | 22 | 23 | 23 | 24 | 26 | 28 | 31 | 32 | 32 | 29 | 27 | 26 | 25 |
| 87.5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 10 | 11 | 11 | 11 | 11 | 11 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

*MAXIMUM CANDELA VALUE

LUMINAIRE: CWW2-35MWG-1WR-EDU
CWW Contemporary Wallwash, Recessed Architectural
3" x 24" led with frosted acrylic prisms lens
Scaled from Test#16.00841

TEST #16236
DATE: 6/3/2016

CANDELA VALUES

| ANGLE | 75.0 | 80.0 | 85.0 | 90.0 | 112.5 | 135.0 | 157.5 | 180.0 |
|-------|------|------|------|------|-------|-------|-------|-------|
| 0.0 | 602 | 602 | 602 | 602 | 602 | 602 | 602 | 602 |
| 2.5 | 605 | 605 | 602 | 599 | 585 | 579 | 575 | 575 |
| 5.0 | 608 | 605 | 601 | 595 | 573 | 559 | 552 | 551 |
| 7.5 | 609 | 605 | 598 | 590 | 559 | 542 | 533 | 531 |
| 10.0 | 609 | 602 | 593 | 583 | 544 | 525 | 515 | 514 |
| 12.5 | 606 | 597 | 586 | 574 | 528 | 506 | 499 | 499 |
| 15.0 | 602 | 591 | 577 | 562 | 513 | 490 | 487 | 488 |
| 17.5 | 596 | 582 | 566 | 550 | 495 | 476 | 477 | 479 |
| 20.0 | 588 | 572 | 554 | 535 | 476 | 462 | 468 | 472 |
| 22.5 | 577 | 559 | 539 | 519 | 459 | 447 | 459 | 467 |
| 25.0 | 564 | 544 | 523 | 500 | 439 | 435 | 452 | 462 |
| 27.5 | 551 | 528 | 505 | 482 | 420 | 424 | 446 | 458 |
| 30.0 | 535 | 511 | 486 | 462 | 402 | 411 | 439 | 452 |
| 32.5 | 518 | 491 | 466 | 440 | 383 | 400 | 432 | 445 |
| 35.0 | 498 | 471 | 444 | 420 | 365 | 388 | 424 | 436 |
| 37.5 | 479 | 450 | 423 | 397 | 348 | 377 | 414 | 425 |
| 40.0 | 457 | 426 | 399 | 375 | 330 | 363 | 401 | 410 |
| 42.5 | 432 | 403 | 375 | 353 | 311 | 351 | 385 | 395 |
| 45.0 | 408 | 378 | 352 | 331 | 294 | 337 | 370 | 377 |
| 47.5 | 382 | 353 | 327 | 307 | 278 | 320 | 352 | 358 |
| 50.0 | 356 | 330 | 305 | 286 | 259 | 304 | 333 | 337 |
| 52.5 | 331 | 304 | 282 | 265 | 243 | 287 | 313 | 315 |
| 55.0 | 303 | 280 | 258 | 243 | 225 | 267 | 291 | 291 |
| 57.5 | 277 | 254 | 235 | 221 | 208 | 248 | 270 | 265 |
| 60.0 | 250 | 229 | 213 | 201 | 189 | 228 | 245 | 242 |
| 62.5 | 223 | 204 | 191 | 180 | 172 | 207 | 220 | 216 |
| 65.0 | 197 | 180 | 169 | 162 | 154 | 186 | 195 | 190 |
| 67.5 | 171 | 158 | 148 | 141 | 136 | 165 | 171 | 166 |
| 70.0 | 146 | 135 | 128 | 122 | 118 | 143 | 146 | 142 |
| 72.5 | 122 | 114 | 108 | 103 | 101 | 121 | 123 | 119 |
| 75.0 | 100 | 94 | 88 | 85 | 83 | 100 | 102 | 98 |
| 77.5 | 77 | 73 | 69 | 68 | 67 | 80 | 79 | 77 |
| 80.0 | 57 | 54 | 52 | 51 | 51 | 61 | 60 | 59 |
| 82.5 | 40 | 38 | 37 | 36 | 37 | 43 | 43 | 43 |
| 85.0 | 24 | 23 | 22 | 23 | 23 | 26 | 27 | 26 |
| 87.5 | 11 | 11 | 11 | 11 | 11 | 11 | 12 | 11 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |