

LUMINAIRE: CWW4-935MWG-1WR-EDU
 CWW Contemporary Wallwash, Recessed Architectural
 3" x 48" led with frosted acrylic prisms lens
 Scaled from Test#16.01047
BALLAST: XI040C110V054BPT1
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 2603
WATTS: 27.70
MOUNTING: Recessed
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = N/A 90° = N/A
LUMINOUS OPENING IN FEET
 LENGTH: 0.25
 WIDTH: 3.92
 HEIGHT: 0.00

TEST #16325
 DATE: 11/6/2017
TOTAL LUMINAIRE EFFICIENCY = 100.0
TOTAL LUMENS PER WATT = 94

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.58
BASED ON 3000 HRS. AND \$.08 PER KWH

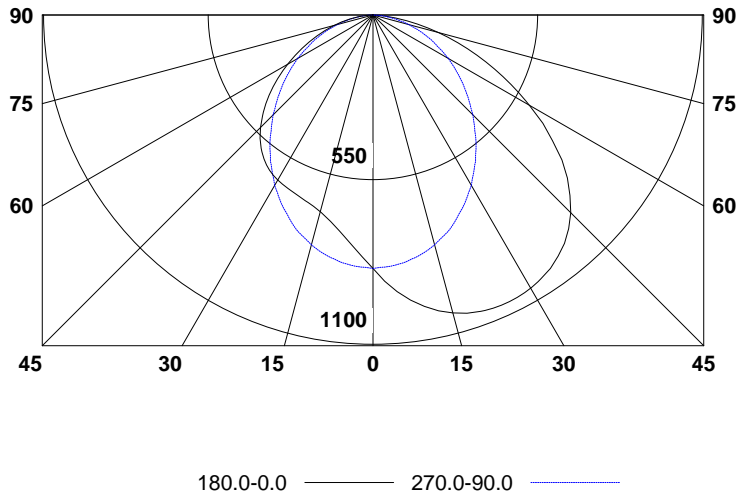
ZONAL LUMENS

| ZONE | LUMENS | % LAMP | % FIXTURE |
|-------|--------|--------|-----------|
| 0-30 | 676 | 26.0 | 26.0 |
| 0-40 | 1129 | 43.4 | 43.4 |
| 0-60 | 2051 | 78.8 | 78.8 |
| 0-90 | 2603 | 100.0 | 100.0 |
| 0-180 | 2603 | 100.0 | 100.0 |

CANDELA SUMMARY

| ANGLE | 0.0 | 25.0 | 55.0 | 80.0 | 180.0 |
|-------|------|------|------|------|-------|
| 0.0 | 846 | 846 | 846 | 846 | 846 |
| 7.5 | 960 | 940 | 903 | 847 | 744 |
| 15.0 | 1030 | 1001 | 931 | 829 | 680 |
| 22.5 | 1058 | 1023 | 932 | 786 | 653 |
| 30.0 | 1053 | 1013 | 905 | 723 | 636 |
| 37.5 | 1015 | 974 | 846 | 638 | 600 |
| 45.0 | 934 | 897 | 765 | 544 | 531 |
| 52.5 | 795 | 772 | 652 | 438 | 436 |
| 60.0 | 603 | 604 | 520 | 334 | 330 |
| 67.5 | 405 | 417 | 363 | 231 | 227 |
| 75.0 | 222 | 237 | 212 | 139 | 134 |
| 82.5 | 85 | 92 | 86 | 57 | 55 |
| 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 | 9292 | 9292 | 9292 | 9292 | 9292 | 9292 |
| 30 | 13355 | 12936 | 12112 | 10425 | 8333 | 8066 |
| 40 | 14266 | 13779 | 12661 | 10395 | 7657 | 8330 |
| 45 | 14508 | 14073 | 12908 | 10283 | 7332 | 8248 |
| 50 | 14473 | 14131 | 12969 | 10065 | 6972 | 8031 |
| 55 | 14017 | 13864 | 12868 | 9709 | 6683 | 7660 |
| 60 | 13246 | 13290 | 12477 | 9336 | 6392 | 7249 |
| 65 | 12267 | 12397 | 11747 | 8810 | 6004 | 6705 |
| 70 | 10951 | 11272 | 10983 | 8093 | 5684 | 6230 |
| 75 | 9421 | 9973 | 9973 | 7257 | 5262 | 5687 |
| 80 | 7907 | 8413 | 8602 | 6325 | 4807 | 5060 |
| 85 | 6175 | 6932 | 7310 | 5545 | 4411 | 4285 |

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: CWW4-935MWG-1WR-EDU
CWW Contemporary Wallwash, Recessed Architectural
3" x 48" led with frosted acrylic prisms lens
Scaled from Test#16.01047

TEST #16325
DATE: 11/6/2017

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 | 846 | 846 | 846 | 846 | 846 | 846 | 846 | 846 | 846 | 846 | 846 | 846 | 846 | 846 | 846 | 846 | 846 |
| 2.5 | 890 | 891 | 890 | 887 | 884 | 881 | 880 | 879 | 880 | 878 | 874 | 872 | 869 | 864 | 860 | 857 | 855 |
| 5.0 | 927 | 927 | 925 | 922 | 917 | 914 | 912 | 909 | 909 | 905 | 897 | 892 | 887 | 880 | 872 | 867 | 863 |
| 7.5 | 960 | 960 | 958 | 953 | 946 | 943 | 940 | 935 | 935 | 927 | 919 | 911 | 903 | 892 | 881 | 875 | 870 |
| 10.0 | 988 | 988 | 985 | 979 | 972 | 969 | 964 | 958 | 957 | 947 | 936 | 926 | 915 | 903 | 887 | 880 | 873 |
| 12.5 | 1012 | 1011 | 1009 | 1002 | 994 | 990 | 985 | 977 | 975 | 964 | 951 | 938 | 924 | 910 | 892 | 883 | 874 |
| 15.0 | 1030 | 1029 | 1026 | 1020 | 1011 | 1006 | 1001 | 992 | 989 | 977 | 962 | 947 | 931 | 913 | 893 | 882 | 872 |
| 17.5 | 1044 | 1043 | 1039 | 1033 | 1024 | 1019 | 1013 | 1005 | 1000 | 986 | 970 | 954 | 935 | 915 | 892 | 880 | 868 |
| 20.0 | 1053 | 1052 | 1049 | 1040 | 1031 | 1026 | 1021 | 1010 | 1005 | 991 | 974 | 956 | 935 | 913 | 887 | 873 | 860 |
| 22.5 | 1058 | 1057 | 1052 | 1044 | 1035 | 1029 | 1023 | 1013 | 1006 | 993 | 975 | 955 | 932 | 908 | 880 | 865 | 849 |
| 25.0 | 1060* | 1058 | 1053 | 1046 | 1034 | 1029 | 1023 | 1011 | 1003 | 991 | 971 | 950 | 926 | 898 | 869 | 853 | 836 |
| 27.5 | 1058 | 1056 | 1051 | 1043 | 1031 | 1026 | 1020 | 1007 | 997 | 985 | 964 | 941 | 917 | 888 | 856 | 838 | 821 |
| 30.0 | 1053 | 1052 | 1046 | 1038 | 1027 | 1020 | 1013 | 1000 | 988 | 977 | 955 | 930 | 905 | 874 | 841 | 822 | 803 |
| 32.5 | 1044 | 1043 | 1037 | 1029 | 1018 | 1011 | 1004 | 988 | 976 | 964 | 941 | 916 | 888 | 858 | 822 | 803 | 782 |
| 35.0 | 1033 | 1031 | 1025 | 1017 | 1005 | 999 | 990 | 974 | 961 | 949 | 925 | 897 | 869 | 836 | 799 | 779 | 759 |
| 37.5 | 1015 | 1014 | 1008 | 1001 | 988 | 981 | 974 | 958 | 941 | 929 | 906 | 877 | 846 | 813 | 777 | 756 | 734 |
| 40.0 | 995 | 992 | 986 | 979 | 968 | 961 | 954 | 937 | 921 | 906 | 883 | 854 | 824 | 789 | 747 | 725 | 702 |
| 42.5 | 967 | 965 | 960 | 953 | 942 | 936 | 927 | 913 | 895 | 878 | 858 | 830 | 795 | 758 | 719 | 697 | 674 |
| 45.0 | 934 | 932 | 927 | 920 | 911 | 906 | 897 | 882 | 867 | 848 | 831 | 798 | 765 | 729 | 683 | 662 | 639 |
| 47.5 | 892 | 890 | 885 | 880 | 872 | 868 | 862 | 848 | 831 | 815 | 794 | 766 | 730 | 690 | 651 | 627 | 602 |
| 50.0 | 847 | 845 | 841 | 836 | 830 | 827 | 819 | 807 | 793 | 777 | 759 | 728 | 695 | 657 | 611 | 589 | 568 |
| 52.5 | 795 | 794 | 790 | 786 | 782 | 779 | 772 | 761 | 754 | 732 | 716 | 689 | 652 | 615 | 572 | 547 | 528 |
| 55.0 | 732 | 736 | 733 | 731 | 725 | 724 | 720 | 711 | 701 | 686 | 672 | 642 | 613 | 572 | 530 | 507 | 485 |
| 57.5 | 673 | 673 | 671 | 669 | 668 | 668 | 663 | 655 | 648 | 633 | 618 | 597 | 567 | 530 | 490 | 468 | 446 |
| 60.0 | 603 | 606 | 607 | 607 | 604 | 605 | 604 | 598 | 594 | 581 | 568 | 548 | 520 | 481 | 445 | 425 | 404 |
| 62.5 | 538 | 537 | 537 | 541 | 539 | 540 | 540 | 539 | 531 | 522 | 508 | 495 | 468 | 435 | 401 | 381 | 363 |
| 65.0 | 472 | 472 | 472 | 474 | 475 | 477 | 477 | 478 | 472 | 465 | 452 | 439 | 417 | 389 | 356 | 339 | 322 |
| 67.5 | 405 | 405 | 409 | 411 | 414 | 414 | 414 | 416 | 411 | 406 | 397 | 384 | 363 | 339 | 311 | 295 | 282 |
| 70.0 | 341 | 341 | 345 | 348 | 351 | 351 | 355 | 355 | 352 | 348 | 342 | 329 | 311 | 290 | 266 | 252 | 240 |
| 72.5 | 283 | 283 | 284 | 287 | 291 | 293 | 292 | 294 | 296 | 292 | 287 | 276 | 260 | 242 | 221 | 211 | 201 |
| 75.0 | 222 | 227 | 228 | 231 | 232 | 235 | 237 | 238 | 242 | 239 | 235 | 224 | 212 | 195 | 179 | 171 | 162 |
| 77.5 | 171 | 171 | 175 | 177 | 180 | 181 | 184 | 186 | 185 | 185 | 183 | 177 | 166 | 153 | 140 | 133 | 127 |
| 80.0 | 125 | 125 | 128 | 130 | 132 | 133 | 136 | 137 | 137 | 138 | 136 | 132 | 124 | 114 | 104 | 100 | 96 |
| 82.5 | 85 | 85 | 86 | 88 | 90 | 92 | 92 | 95 | 95 | 96 | 94 | 91 | 86 | 81 | 74 | 70 | 67 |
| 85.0 | 49 | 52 | 52 | 53 | 53 | 55 | 55 | 56 | 59 | 58 | 58 | 55 | 53 | 49 | 45 | 44 | 42 |
| 87.5 | 22 | 21 | 21 | 22 | 23 | 23 | 23 | 25 | 27 | 27 | 27 | 25 | 25 | 23 | 21 | 21 | 20 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

*MAXIMUM CANDELA VALUE