

LUMINAIRE: CWW2-935LWG-2WW-EDU
 CWW Contemporary Wallwash, Recessed Architectural
 3" x 24" led with frosted acrylic prisms lens
 Scaled from Test#16.01162
BALLAST: XI040C110V054BPT1
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 2584
WATTS: 29.40
MOUNTING: Recessed
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 1.15 90° = 1.26
LUMINOUS OPENING IN FEET
 LENGTH: 0.25
 WIDTH: 1.92
 HEIGHT: 0.00

TEST #16346
 DATE: 11/6/2017

TOTAL LUMINAIRE EFFICIENCY = 100.0
TOTAL LUMENS PER WATT = 88

ANSI/IESNA RP-1-2004 COMPLIANCE: YES-VDT NORMAL USE
COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.70
BASED ON 3000 HRS. AND \$.08 PER KWH

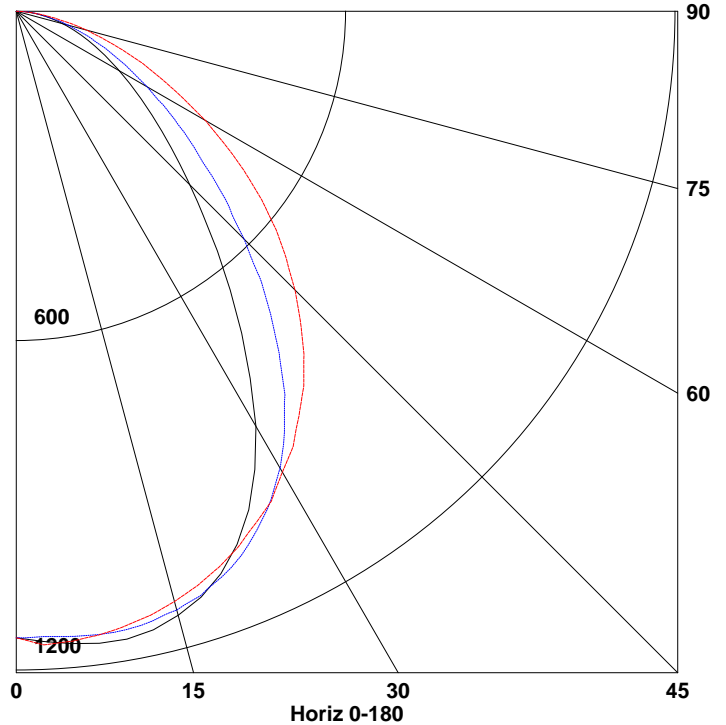
ZONAL LUMENS

| ZONE | LUMENS | % LAMP | % FIXTURE |
|-------|--------|--------|-----------|
| 0-30 | 899 | 34.8 | 34.8 |
| 0-40 | 1415 | 54.7 | 54.7 |
| 0-60 | 2218 | 85.8 | 85.8 |
| 0-90 | 2584 | 100.0 | 100.0 |
| 0-180 | 2584 | 100.0 | 100.0 |

AVERAGE LUMINANCE

| ANGLE | CANDELA/SQ M | | | | | |
|-------|--------------|-------|-------|-------|-------|-------|
| | 0.0 | 20.0 | 35.0 | 55.0 | 70.0 | 90.0 |
| 0 | 25587 | 25587 | 25587 | 25587 | 25587 | 25587 |
| 30 | 22605 | 22761 | 23952 | 25402 | 25454 | 25091 |
| 40 | 16686 | 17535 | 19174 | 22453 | 23975 | 23858 |
| 45 | 14208 | 15349 | 16840 | 20328 | 22675 | 22770 |
| 50 | 12280 | 13466 | 14792 | 18246 | 20758 | 21525 |
| 55 | 10791 | 11729 | 13058 | 15873 | 18805 | 19822 |
| 60 | 9688 | 10360 | 11437 | 14038 | 16729 | 17850 |
| 65 | 8861 | 9286 | 10294 | 12310 | 14592 | 15547 |
| 70 | 8196 | 8524 | 9048 | 10818 | 12392 | 13507 |
| 75 | 7538 | 7885 | 8231 | 9358 | 10657 | 11524 |
| 80 | 6974 | 7361 | 7490 | 8136 | 8652 | 9298 |
| 85 | 6947 | 7719 | 7719 | 7719 | 7719 | 7462 |

INDOOR CANDELA PLOT



0.0 ——— 45.0 ——— 90.0 ———

COEFFICIENTS OF UTILIZATION (%)

EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%

ZONAL CAVITY METHOD

| RC | EFFECTIVE FLOOR CAVITY REFLECTANCE = 20% | | | | | | | | | | | | | | | | | | |
|----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 80% | | | | 70% | | | | 50% | | | | 30% | | | | | | |
| RW | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0% | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 100 |
| 1 | 110 | 106 | 102 | 99 | 107 | 104 | 100 | 97 | 99 | 96 | 94 | 95 | 93 | 91 | 92 | 90 | 88 | 86 | 86 |
| 2 | 101 | 94 | 88 | 82 | 99 | 92 | 86 | 81 | 88 | 84 | 80 | 85 | 81 | 78 | 82 | 79 | 76 | 74 | 74 |
| 3 | 93 | 83 | 76 | 70 | 91 | 82 | 75 | 70 | 79 | 73 | 68 | 76 | 71 | 67 | 74 | 70 | 66 | 64 | 64 |
| R | 4 | 86 | 75 | 67 | 61 | 84 | 74 | 66 | 60 | 71 | 65 | 59 | 69 | 63 | 59 | 67 | 62 | 58 | 56 |
| C | 5 | 79 | 67 | 59 | 53 | 77 | 66 | 59 | 53 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 49 |
| R | 6 | 74 | 61 | 53 | 47 | 72 | 60 | 52 | 47 | 59 | 52 | 46 | 57 | 51 | 46 | 55 | 50 | 46 | 44 |
| | 7 | 69 | 56 | 48 | 42 | 67 | 55 | 47 | 42 | 54 | 47 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 39 |
| | 8 | 64 | 51 | 43 | 38 | 63 | 51 | 43 | 38 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 35 |
| | 9 | 60 | 47 | 40 | 34 | 59 | 47 | 39 | 34 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 32 |
| | 10 | 56 | 44 | 36 | 31 | 55 | 43 | 36 | 31 | 42 | 36 | 31 | 41 | 35 | 31 | 41 | 35 | 31 | 29 |

RCR = ROOM CAVITY RATIO RC = EFFECTIVE CEILING CAVITY REFLECTANCE RW = WALL REFLECTANCE

THE DATA IN THIS REPORT ARE BASED ON ABSOLUTE MEASUREMENTS.
 ANSI/IESNA RP-1 COMPLIANCE IS BASED ON ABSOLUTE MEASUREMENTS.
 THIS TEST RUN IN ACCORDANCE WITH CURRENT I.E.S.N.A. PUBLISHED PROCEDURES.

APPROVED BY: _____

LUMINAIRE: CWW2-935LWG-2WW-EDU
CWW Contemporary Wallwash, Recessed Architectural
3" x 24" led with frosted acylic prisms lens
Scaled from Test#16.01162

TEST #16346
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 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 |
| 2.5 | 1149 | 1153 | 1153 | 1152 | 1151 | 1147 | 1150 | 1149 | 1148 | 1146 | 1140 | 1145 | 1145 | 1141 | 1137 | 1133 | 1132 |
| 5.0 | 1156 | 1162 | 1161 | 1160 | 1158 | 1151 | 1157 | 1155 | 1153 | 1151 | 1143 | 1148 | 1147 | 1144 | 1137 | 1132 | 1132 |
| 7.5 | 1161 | 1168* | 1166 | 1165 | 1163 | 1155 | 1162 | 1159 | 1157 | 1155 | 1145 | 1150 | 1148 | 1144 | 1136 | 1129 | 1129 |
| 10.0 | 1161 | 1168 | 1165 | 1164 | 1162 | 1154 | 1161 | 1159 | 1157 | 1154 | 1144 | 1149 | 1146 | 1140 | 1132 | 1124 | 1125 |
| 12.5 | 1154 | 1161 | 1158 | 1157 | 1156 | 1148 | 1155 | 1153 | 1152 | 1149 | 1138 | 1145 | 1140 | 1135 | 1127 | 1117 | 1119 |
| 15.0 | 1139 | 1146 | 1144 | 1143 | 1141 | 1134 | 1141 | 1141 | 1140 | 1139 | 1129 | 1135 | 1132 | 1127 | 1118 | 1108 | 1109 |
| 17.5 | 1119 | 1123 | 1121 | 1122 | 1121 | 1116 | 1121 | 1122 | 1123 | 1123 | 1116 | 1121 | 1119 | 1115 | 1107 | 1096 | 1097 |
| 20.0 | 1090 | 1091 | 1090 | 1090 | 1091 | 1090 | 1093 | 1098 | 1099 | 1101 | 1096 | 1103 | 1102 | 1099 | 1090 | 1081 | 1081 |
| 22.5 | 1051 | 1049 | 1049 | 1052 | 1054 | 1056 | 1057 | 1063 | 1068 | 1072 | 1072 | 1078 | 1079 | 1077 | 1071 | 1061 | 1062 |
| 25.0 | 1002 | 994 | 997 | 999 | 1006 | 1015 | 1013 | 1021 | 1028 | 1035 | 1040 | 1049 | 1053 | 1053 | 1047 | 1039 | 1039 |
| 27.5 | 941 | 930 | 933 | 937 | 947 | 963 | 958 | 970 | 979 | 991 | 1004 | 1013 | 1020 | 1022 | 1019 | 1014 | 1014 |
| 30.0 | 873 | 858 | 865 | 870 | 879 | 897 | 893 | 911 | 925 | 940 | 961 | 969 | 981 | 990 | 989 | 984 | 983 |
| 32.5 | 793 | 785 | 787 | 796 | 810 | 830 | 824 | 841 | 862 | 881 | 909 | 922 | 938 | 945 | 950 | 947 | 949 |
| 35.0 | 716 | 712 | 714 | 724 | 738 | 757 | 752 | 772 | 794 | 821 | 853 | 867 | 885 | 903 | 913 | 912 | 913 |
| 37.5 | 640 | 638 | 644 | 650 | 665 | 681 | 682 | 701 | 723 | 749 | 787 | 804 | 835 | 850 | 859 | 866 | 868 |
| 40.0 | 570 | 575 | 580 | 586 | 599 | 609 | 614 | 632 | 655 | 683 | 721 | 744 | 767 | 795 | 812 | 818 | 819 |
| 42.5 | 504 | 518 | 522 | 528 | 539 | 542 | 552 | 569 | 593 | 618 | 655 | 675 | 709 | 732 | 757 | 769 | 773 |
| 45.0 | 448 | 464 | 466 | 474 | 484 | 482 | 496 | 511 | 531 | 560 | 587 | 615 | 641 | 676 | 694 | 710 | 715 |
| 47.5 | 397 | 411 | 416 | 424 | 432 | 427 | 442 | 458 | 477 | 495 | 525 | 550 | 577 | 610 | 637 | 651 | 653 |
| 50.0 | 352 | 368 | 370 | 376 | 386 | 380 | 396 | 409 | 424 | 443 | 464 | 489 | 523 | 548 | 579 | 595 | 595 |
| 52.5 | 312 | 324 | 327 | 333 | 340 | 336 | 351 | 363 | 377 | 394 | 409 | 435 | 465 | 490 | 521 | 537 | 539 |
| 55.0 | 276 | 287 | 287 | 293 | 300 | 295 | 308 | 320 | 334 | 350 | 360 | 386 | 406 | 434 | 460 | 475 | 481 |
| 57.5 | 246 | 252 | 254 | 258 | 264 | 260 | 272 | 281 | 293 | 307 | 317 | 339 | 357 | 380 | 404 | 418 | 424 |
| 60.0 | 216 | 227 | 227 | 226 | 231 | 229 | 238 | 246 | 255 | 268 | 276 | 296 | 313 | 333 | 352 | 366 | 373 |
| 62.5 | 191 | 193 | 196 | 198 | 202 | 200 | 211 | 213 | 221 | 231 | 238 | 255 | 270 | 285 | 302 | 313 | 321 |
| 65.0 | 167 | 168 | 171 | 172 | 175 | 174 | 179 | 185 | 194 | 198 | 204 | 218 | 232 | 244 | 258 | 268 | 275 |
| 67.5 | 145 | 147 | 147 | 149 | 151 | 150 | 154 | 158 | 162 | 169 | 175 | 187 | 197 | 208 | 217 | 225 | 228 |
| 70.0 | 125 | 126 | 127 | 128 | 130 | 129 | 132 | 135 | 138 | 142 | 146 | 158 | 165 | 174 | 181 | 186 | 189 |
| 72.5 | 105 | 106 | 107 | 108 | 109 | 108 | 110 | 112 | 115 | 119 | 120 | 129 | 135 | 141 | 147 | 150 | 154 |
| 75.0 | 87 | 89 | 89 | 90 | 91 | 90 | 91 | 93 | 95 | 98 | 98 | 104 | 108 | 113 | 117 | 119 | 123 |
| 77.5 | 70 | 71 | 71 | 72 | 72 | 72 | 74 | 75 | 76 | 78 | 78 | 82 | 85 | 88 | 89 | 92 | 93 |
| 80.0 | 54 | 56 | 56 | 56 | 57 | 55 | 57 | 58 | 58 | 59 | 58 | 61 | 63 | 65 | 65 | 67 | 67 |
| 82.5 | 40 | 42 | 42 | 42 | 42 | 41 | 42 | 43 | 43 | 43 | 43 | 44 | 45 | 45 | 46 | 46 | 46 |
| 85.0 | 27 | 29 | 29 | 29 | 30 | 28 | 30 | 29 | 30 | 30 | 28 | 30 | 30 | 30 | 30 | 29 | 30 |
| 87.5 | 14 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 16 | 16 | 15 | 16 | 16 | 15 | 15 | 14 | 15 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

*MAXIMUM CANDELA VALUE



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CWW Contemporary Wallwash, Recessed Architectural
3" x 24" led with frosted acylic prised lens
Scaled from Test#16.01162

TEST #16346
DATE: 11/6/2017

CANDELA VALUES

| ANGLE | 75.0 | 80.0 | 85.0 | 90.0 |
|-------|------|------|------|------|
| 0.0 | 1141 | 1141 | 1141 | 1141 |
| 2.5 | 1130 | 1132 | 1141 | 1155 |
| 5.0 | 1129 | 1130 | 1138 | 1152 |
| 7.5 | 1125 | 1126 | 1134 | 1146 |
| 10.0 | 1120 | 1120 | 1126 | 1137 |
| 12.5 | 1113 | 1112 | 1117 | 1127 |
| 15.0 | 1103 | 1100 | 1105 | 1113 |
| 17.5 | 1089 | 1086 | 1089 | 1097 |
| 20.0 | 1074 | 1069 | 1071 | 1078 |
| 22.5 | 1055 | 1049 | 1051 | 1056 |
| 25.0 | 1031 | 1026 | 1025 | 1030 |
| 27.5 | 1009 | 1004 | 1001 | 1006 |
| 30.0 | 975 | 970 | 967 | 969 |
| 32.5 | 945 | 940 | 936 | 939 |
| 35.0 | 906 | 901 | 897 | 898 |
| 37.5 | 869 | 864 | 857 | 860 |
| 40.0 | 821 | 819 | 816 | 815 |
| 42.5 | 776 | 771 | 767 | 766 |
| 45.0 | 727 | 725 | 722 | 718 |
| 47.5 | 668 | 671 | 670 | 667 |
| 50.0 | 612 | 619 | 619 | 617 |
| 52.5 | 554 | 564 | 562 | 563 |
| 55.0 | 495 | 506 | 508 | 507 |
| 57.5 | 444 | 450 | 452 | 450 |
| 60.0 | 386 | 392 | 397 | 398 |
| 62.5 | 335 | 343 | 343 | 342 |
| 65.0 | 286 | 294 | 294 | 293 |
| 67.5 | 242 | 247 | 248 | 250 |
| 70.0 | 199 | 203 | 205 | 206 |
| 72.5 | 159 | 164 | 167 | 166 |
| 75.0 | 127 | 132 | 133 | 133 |
| 77.5 | 96 | 98 | 101 | 100 |
| 80.0 | 69 | 69 | 72 | 72 |
| 82.5 | 46 | 47 | 49 | 47 |
| 85.0 | 29 | 29 | 29 | 29 |
| 87.5 | 14 | 14 | 13 | 13 |
| 90.0 | 0 | 0 | 0 | 0 |