

LUMINAIRE: CWW4-40LWG-1WW-EDU
 CWW Contemporary Wallwash, Recessed Architectural
 3" x 48" led with frosted acrylic prisms lens
 Scaled from Test#16.00953
BALLAST: XI054C150V054DNT1
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 4231
WATTS: 39.50
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 #16229
 DATE: 6/3/2016
TOTAL LUMINAIRE EFFICIENCY = 100.0
TOTAL LUMENS PER WATT = 107

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.26
BASED ON 3000 HRS. AND \$.08 PER KWH

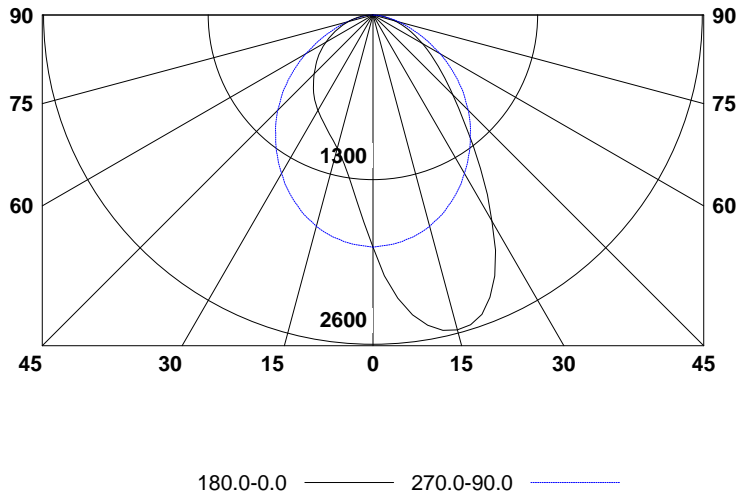
ZONAL LUMENS

| ZONE | LUMENS | % LAMP | % FIXTURE |
|-------|--------|--------|-----------|
| 0-30 | 1433 | 33.9 | 33.9 |
| 0-40 | 2257 | 53.3 | 53.3 |
| 0-60 | 3569 | 84.4 | 84.4 |
| 0-90 | 4231 | 100.0 | 100.0 |
| 0-180 | 4231 | 100.0 | 100.0 |

CANDELA SUMMARY

| ANGLE | 0.0 | 45.0 | 90.0 | 135.0 | 180.0 |
|-------|------|------|------|-------|-------|
| 0.0 | 1832 | 1832 | 1832 | 1832 | 1832 |
| 7.5 | 2387 | 2244 | 1801 | 1431 | 1336 |
| 15.0 | 2573 | 2455 | 1726 | 1167 | 1089 |
| 22.5 | 2411 | 2470 | 1603 | 1006 | 963 |
| 30.0 | 1877 | 2235 | 1444 | 883 | 867 |
| 37.5 | 1298 | 1734 | 1262 | 771 | 769 |
| 45.0 | 893 | 1181 | 1064 | 661 | 657 |
| 52.5 | 637 | 785 | 843 | 540 | 547 |
| 60.0 | 452 | 518 | 612 | 419 | 432 |
| 67.5 | 304 | 332 | 392 | 304 | 312 |
| 75.0 | 178 | 191 | 213 | 191 | 202 |
| 82.5 | 74 | 82 | 81 | 91 | 102 |
| 90.0 | 0 | 0 | 0 | 0 | 0 |

INDOOR CANDELA PLOT



AVERAGE LUMINANCE

| ANGLE | 0.0 | 45.0 | 90.0 | 135.0 | 180.0 |
|-------|-------|-------|-------|-------|-------|
| 0 | 20122 | 20122 | 20122 | 20122 | 20122 |
| 30 | 23806 | 28346 | 18314 | 11199 | 10996 |
| 40 | 16245 | 22210 | 17148 | 10567 | 10467 |
| 45 | 13871 | 18345 | 16527 | 10267 | 10205 |
| 50 | 12183 | 15327 | 15720 | 9928 | 9962 |
| 55 | 10877 | 13060 | 14649 | 9556 | 9747 |
| 60 | 9929 | 11379 | 13444 | 9204 | 9490 |
| 65 | 9096 | 10084 | 11955 | 8888 | 9070 |
| 70 | 8382 | 9056 | 10533 | 8542 | 8799 |
| 75 | 7554 | 8106 | 9039 | 8106 | 8572 |
| 80 | 6831 | 7274 | 7590 | 7717 | 8666 |
| 85 | 5293 | 6301 | 6301 | 7688 | 9200 |

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: _____

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CWW Contemporary Wallwash, Recessed Architectural
3" x 48" led with frosted acrylic prisms lens
Scaled from Test#16.00953

TEST #16229
DATE: 6/3/2016

CANDELA VALUES

| ANGLE | 0.0 | 22.5 | 45.0 | 67.5 | 90.0 | 112.5 | 135.0 | 157.5 | 180.0 |
|-------|--------------|------|------|------|------|-------|-------|-------|-------|
| 0.0 | 1832 | 1832 | 1832 | 1832 | 1832 | 1832 | 1832 | 1832 | 1832 |
| 2.5 | 2060 | 2035 | 1988 | 1912 | 1823 | 1737 | 1680 | 1632 | 1637 |
| 5.0 | 2244 | 2207 | 2121 | 1981 | 1815 | 1655 | 1550 | 1478 | 1471 |
| 7.5 | 2387 | 2347 | 2244 | 2044 | 1801 | 1574 | 1431 | 1347 | 1336 |
| 10.0 | 2486 | 2444 | 2336 | 2103 | 1781 | 1498 | 1328 | 1237 | 1232 |
| 12.5 | 2549 | 2506 | 2406 | 2149 | 1756 | 1422 | 1241 | 1157 | 1148 |
| 15.0 | 2573* | 2538 | 2455 | 2187 | 1726 | 1347 | 1167 | 1095 | 1089 |
| 17.5 | 2563 | 2539 | 2482 | 2218 | 1690 | 1276 | 1106 | 1044 | 1042 |
| 20.0 | 2514 | 2507 | 2487 | 2240 | 1650 | 1210 | 1052 | 1000 | 1002 |
| 22.5 | 2411 | 2433 | 2470 | 2250 | 1603 | 1147 | 1006 | 962 | 963 |
| 25.0 | 2273 | 2313 | 2424 | 2250 | 1555 | 1090 | 962 | 926 | 929 |
| 27.5 | 2094 | 2156 | 2346 | 2238 | 1503 | 1034 | 921 | 893 | 901 |
| 30.0 | 1877 | 1974 | 2235 | 2212 | 1444 | 982 | 883 | 861 | 867 |
| 32.5 | 1680 | 1768 | 2087 | 2169 | 1386 | 930 | 846 | 830 | 839 |
| 35.0 | 1480 | 1567 | 1917 | 2111 | 1325 | 881 | 809 | 798 | 805 |
| 37.5 | 1298 | 1379 | 1734 | 2028 | 1262 | 833 | 771 | 763 | 769 |
| 40.0 | 1133 | 1200 | 1549 | 1930 | 1196 | 786 | 737 | 728 | 730 |
| 42.5 | 1004 | 1056 | 1353 | 1809 | 1132 | 739 | 699 | 693 | 694 |
| 45.0 | 893 | 933 | 1181 | 1662 | 1064 | 693 | 661 | 653 | 657 |
| 47.5 | 792 | 831 | 1034 | 1503 | 988 | 648 | 621 | 614 | 617 |
| 50.0 | 713 | 738 | 897 | 1349 | 920 | 602 | 581 | 577 | 583 |
| 52.5 | 637 | 658 | 785 | 1176 | 843 | 558 | 540 | 540 | 547 |
| 55.0 | 568 | 583 | 682 | 1033 | 765 | 514 | 499 | 502 | 509 |
| 57.5 | 507 | 518 | 601 | 890 | 689 | 471 | 459 | 466 | 470 |
| 60.0 | 452 | 462 | 518 | 755 | 612 | 428 | 419 | 427 | 432 |
| 62.5 | 395 | 409 | 451 | 642 | 533 | 385 | 379 | 387 | 389 |
| 65.0 | 350 | 358 | 388 | 540 | 460 | 343 | 342 | 347 | 349 |
| 67.5 | 304 | 310 | 332 | 447 | 392 | 301 | 304 | 308 | 312 |
| 70.0 | 261 | 266 | 282 | 365 | 328 | 261 | 266 | 270 | 274 |
| 72.5 | 217 | 222 | 233 | 296 | 268 | 220 | 227 | 232 | 235 |
| 75.0 | 178 | 181 | 191 | 232 | 213 | 182 | 191 | 199 | 202 |
| 77.5 | 142 | 145 | 151 | 174 | 165 | 146 | 156 | 164 | 169 |
| 80.0 | 108 | 110 | 115 | 125 | 120 | 112 | 122 | 132 | 137 |
| 82.5 | 74 | 79 | 82 | 85 | 81 | 82 | 91 | 101 | 102 |
| 85.0 | 42 | 44 | 50 | 52 | 50 | 52 | 61 | 70 | 73 |
| 87.5 | 15 | 16 | 21 | 23 | 24 | 26 | 34 | 38 | 39 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

*MAXIMUM CANDELA VALUE