

**LUMINAIRE:** CWW4-35MLG-1WR-EDU  
 CWW Contemporary Wallwash, Recessed Architectural  
 3" x 48" led with frosted acylic prisms lens  
 Scaled from Test#16.00952  
**BALLAST:** XI054C150V054DNT1  
**BALLAST FACTOR:** 1.00  
**LAMP:** Led  
**FIXTURE LUMENS:** 4795  
**WATTS:** 49.50  
**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 #16254  
 DATE: 6/3/2016  
**TOTAL LUMINAIRE EFFICIENCY = 100.0**  
**TOTAL LUMENS PER WATT = 97**

**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.50**  
**BASED ON 3000 HRS. AND \$.08 PER KWH**

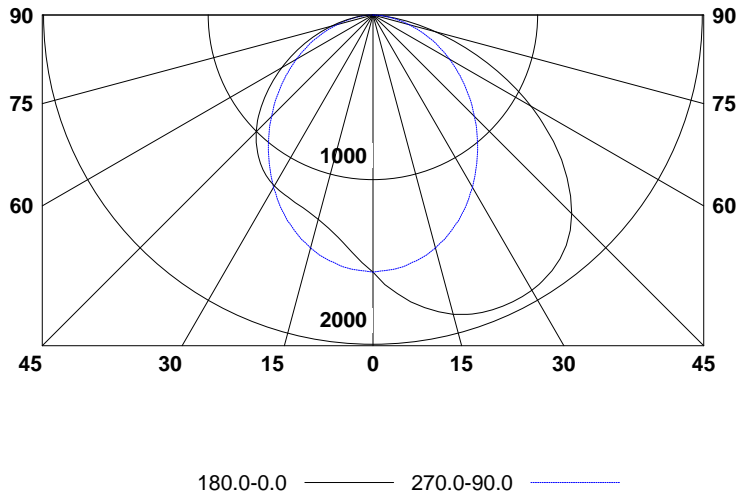
**ZONAL LUMENS**

| ZONE  | LUMENS | % LAMP | % FIXTURE |
|-------|--------|--------|-----------|
| 0-30  | 1247   | 26.0   | 26.0      |
| 0-40  | 2083   | 43.4   | 43.4      |
| 0-60  | 3782   | 78.9   | 78.9      |
| 0-90  | 4795   | 100.0  | 100.0     |
| 0-180 | 4795   | 100.0  | 100.0     |

**CANDELA SUMMARY**

| ANGLE | 0.0  | 45.0 | 90.0 | 135.0 | 180.0 |
|-------|------|------|------|-------|-------|
| 0.0   | 1561 | 1561 | 1561 | 1561  | 1561  |
| 7.5   | 1757 | 1686 | 1534 | 1419  | 1393  |
| 15.0  | 1882 | 1759 | 1464 | 1288  | 1284  |
| 22.5  | 1932 | 1780 | 1354 | 1180  | 1233  |
| 30.0  | 1929 | 1741 | 1209 | 1088  | 1198  |
| 37.5  | 1866 | 1653 | 1043 | 1001  | 1127  |
| 45.0  | 1706 | 1512 | 870  | 896   | 1003  |
| 52.5  | 1444 | 1299 | 701  | 765   | 833   |
| 60.0  | 1107 | 1020 | 537  | 608   | 637   |
| 67.5  | 740  | 718  | 378  | 440   | 443   |
| 75.0  | 391  | 424  | 228  | 268   | 262   |
| 82.5  | 124  | 160  | 98   | 114   | 112   |
| 90.0  | 0    | 0    | 0    | 0     | 0     |

**INDOOR CANDELA PLOT**



**AVERAGE LUMINANCE**

| ANGLE | 0.0   | 45.0  | 90.0  | 135.0 | 180.0 |
|-------|-------|-------|-------|-------|-------|
| 0     | 17145 | 17145 | 17145 | 17145 | 17145 |
| 30    | 24465 | 22081 | 15333 | 13799 | 15194 |
| 40    | 26181 | 23156 | 14123 | 13865 | 15628 |
| 45    | 26500 | 23486 | 13514 | 13918 | 15580 |
| 50    | 26281 | 23547 | 12935 | 13875 | 15259 |
| 55    | 25622 | 23132 | 12390 | 13673 | 14707 |
| 60    | 24318 | 22407 | 11796 | 13356 | 13993 |
| 65    | 22481 | 21389 | 11227 | 12865 | 13177 |
| 70    | 19943 | 19718 | 10501 | 12300 | 12235 |
| 75    | 16593 | 17994 | 9676  | 11373 | 11119 |
| 80    | 12524 | 14928 | 8602  | 10310 | 9994  |
| 85    | 8066  | 11721 | 7940  | 8822  | 8948  |

**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 acylic prisms lens  
Scaled from Test#16.00952

TEST #16254  
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   | 1561         | 1561 | 1561 | 1561 | 1561 | 1561  | 1561  | 1561  | 1561  |
| 2.5   | 1638         | 1626 | 1611 | 1582 | 1554 | 1526  | 1511  | 1493  | 1505  |
| 5.0   | 1698         | 1681 | 1652 | 1600 | 1547 | 1495  | 1466  | 1438  | 1447  |
| 7.5   | 1757         | 1731 | 1686 | 1614 | 1534 | 1461  | 1419  | 1388  | 1393  |
| 10.0  | 1804         | 1776 | 1717 | 1621 | 1515 | 1424  | 1374  | 1342  | 1349  |
| 12.5  | 1846         | 1812 | 1740 | 1624 | 1493 | 1383  | 1329  | 1302  | 1312  |
| 15.0  | 1882         | 1843 | 1759 | 1622 | 1464 | 1340  | 1288  | 1270  | 1284  |
| 17.5  | 1906         | 1865 | 1772 | 1615 | 1432 | 1296  | 1249  | 1243  | 1263  |
| 20.0  | 1923         | 1879 | 1780 | 1602 | 1393 | 1249  | 1213  | 1222  | 1245  |
| 22.5  | 1932         | 1886 | 1780 | 1584 | 1354 | 1201  | 1180  | 1202  | 1233  |
| 25.0  | <b>1936*</b> | 1887 | 1774 | 1562 | 1308 | 1152  | 1147  | 1186  | 1220  |
| 27.5  | 1936         | 1881 | 1759 | 1535 | 1259 | 1105  | 1118  | 1172  | 1210  |
| 30.0  | 1929         | 1871 | 1741 | 1503 | 1209 | 1057  | 1088  | 1155  | 1198  |
| 32.5  | 1915         | 1854 | 1717 | 1466 | 1154 | 1010  | 1060  | 1138  | 1180  |
| 35.0  | 1895         | 1832 | 1686 | 1423 | 1099 | 964   | 1031  | 1118  | 1156  |
| 37.5  | 1866         | 1803 | 1653 | 1375 | 1043 | 918   | 1001  | 1090  | 1127  |
| 40.0  | 1826         | 1767 | 1615 | 1325 | 985  | 873   | 967   | 1058  | 1090  |
| 42.5  | 1773         | 1719 | 1565 | 1264 | 930  | 829   | 933   | 1022  | 1050  |
| 45.0  | 1706         | 1657 | 1512 | 1203 | 870  | 784   | 896   | 981   | 1003  |
| 47.5  | 1627         | 1587 | 1453 | 1139 | 815  | 736   | 854   | 932   | 951   |
| 50.0  | 1538         | 1501 | 1378 | 1069 | 757  | 695   | 812   | 883   | 893   |
| 52.5  | 1444         | 1412 | 1299 | 997  | 701  | 648   | 765   | 829   | 833   |
| 55.0  | 1338         | 1318 | 1208 | 921  | 647  | 603   | 714   | 770   | 768   |
| 57.5  | 1222         | 1217 | 1122 | 847  | 591  | 556   | 660   | 709   | 708   |
| 60.0  | 1107         | 1099 | 1020 | 768  | 537  | 512   | 608   | 649   | 637   |
| 62.5  | 988          | 986  | 924  | 692  | 485  | 462   | 552   | 581   | 573   |
| 65.0  | 865          | 870  | 823  | 612  | 432  | 414   | 495   | 517   | 507   |
| 67.5  | 740          | 751  | 718  | 533  | 378  | 367   | 440   | 458   | 443   |
| 70.0  | 621          | 636  | 614  | 456  | 327  | 319   | 383   | 395   | 381   |
| 72.5  | 500          | 528  | 519  | 381  | 277  | 272   | 324   | 331   | 324   |
| 75.0  | 391          | 421  | 424  | 310  | 228  | 225   | 268   | 273   | 262   |
| 77.5  | 290          | 319  | 323  | 243  | 181  | 179   | 214   | 216   | 207   |
| 80.0  | 198          | 217  | 236  | 177  | 136  | 137   | 163   | 163   | 158   |
| 82.5  | 124          | 138  | 160  | 124  | 98   | 97    | 114   | 112   | 112   |
| 85.0  | 64           | 72   | 93   | 75   | 63   | 63    | 70    | 70    | 71    |
| 87.5  | 22           | 23   | 33   | 35   | 33   | 31    | 33    | 31    | 31    |
| 90.0  | 0            | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     |

\*MAXIMUM CANDELA VALUE