

LUMINAIRE: CWW4-935MLG-1WR-EDU
 CWW Contemporary Wallwash, Recessed Architectural
 3" x 48" led with frosted acrylic prisms lens
 Scaled from Test#16.01303
BALLAST: XI054C150V054DNT1
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 4505
WATTS: 52.90
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 #16330
 DATE: 11/6/2017
TOTAL LUMINAIRE EFFICIENCY = 100.0
TOTAL LUMENS PER WATT = 85

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.82
BASED ON 3000 HRS. AND \$.08 PER KWH

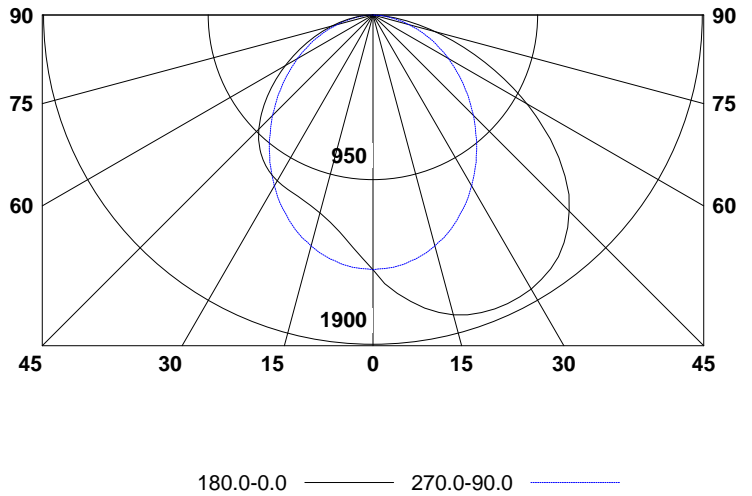
ZONAL LUMENS

| ZONE | LUMENS | % LAMP | % FIXTURE |
|-------|--------|--------|-----------|
| 0-30 | 1172 | 26.0 | 26.0 |
| 0-40 | 1957 | 43.4 | 43.4 |
| 0-60 | 3552 | 78.8 | 78.8 |
| 0-90 | 4505 | 100.0 | 100.0 |
| 0-180 | 4505 | 100.0 | 100.0 |

CANDELA SUMMARY

| ANGLE | 0.0 | 25.0 | 55.0 | 80.0 | 180.0 |
|-------|------|------|------|------|-------|
| 0.0 | 1469 | 1469 | 1469 | 1469 | 1469 |
| 7.5 | 1666 | 1630 | 1564 | 1470 | 1290 |
| 15.0 | 1790 | 1733 | 1613 | 1440 | 1182 |
| 22.5 | 1835 | 1770 | 1614 | 1366 | 1132 |
| 30.0 | 1825 | 1751 | 1564 | 1254 | 1105 |
| 37.5 | 1757 | 1679 | 1463 | 1109 | 1044 |
| 45.0 | 1600 | 1544 | 1320 | 943 | 932 |
| 52.5 | 1352 | 1320 | 1125 | 760 | 768 |
| 60.0 | 1023 | 1024 | 892 | 576 | 586 |
| 67.5 | 681 | 696 | 618 | 403 | 405 |
| 75.0 | 370 | 389 | 360 | 239 | 249 |
| 82.5 | 131 | 147 | 140 | 98 | 108 |
| 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 | 16135 | 16135 | 16135 | 16135 | 16135 | 16135 |
| 30 | 23146 | 22347 | 20965 | 18048 | 14433 | 14014 |
| 40 | 24575 | 23715 | 21894 | 18009 | 13306 | 14539 |
| 45 | 24853 | 24123 | 22259 | 17801 | 12722 | 14477 |
| 50 | 24708 | 24127 | 22333 | 17429 | 12149 | 14131 |
| 55 | 23918 | 23611 | 22022 | 16756 | 11566 | 13462 |
| 60 | 22473 | 22516 | 21220 | 16102 | 11071 | 12873 |
| 65 | 20662 | 20922 | 20012 | 15126 | 10500 | 12059 |
| 70 | 18337 | 18851 | 18401 | 13938 | 9891 | 11240 |
| 75 | 15702 | 16551 | 16593 | 12434 | 9082 | 10567 |
| 80 | 12777 | 13536 | 14042 | 10563 | 8286 | 9425 |
| 85 | 9578 | 10586 | 11216 | 8822 | 7688 | 8444 |

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: CWW4-935MLG-1WR-EDU
CWW Contemporary Wallwash, Recessed Architectural
3" x 48" led with frosted acylic prisms lens
Scaled from Test#16.01303

TEST #16330
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 | 1469 | 1469 | 1469 | 1469 | 1469 | 1469 | 1469 | 1469 | 1469 | 1469 | 1469 | 1469 | 1469 | 1469 | 1469 | 1469 | 1469 |
| 2.5 | 1551 | 1550 | 1546 | 1540 | 1534 | 1529 | 1526 | 1524 | 1530 | 1524 | 1517 | 1513 | 1506 | 1500 | 1491 | 1487 | 1481 |
| 5.0 | 1612 | 1610 | 1607 | 1600 | 1591 | 1586 | 1581 | 1576 | 1578 | 1569 | 1558 | 1548 | 1539 | 1525 | 1512 | 1505 | 1498 |
| 7.5 | 1666 | 1664 | 1660 | 1652 | 1642 | 1635 | 1630 | 1621 | 1621 | 1609 | 1594 | 1578 | 1564 | 1547 | 1528 | 1517 | 1508 |
| 10.0 | 1717 | 1714 | 1707 | 1699 | 1685 | 1678 | 1672 | 1661 | 1660 | 1644 | 1624 | 1606 | 1586 | 1564 | 1540 | 1526 | 1514 |
| 12.5 | 1757 | 1754 | 1748 | 1737 | 1721 | 1715 | 1707 | 1695 | 1692 | 1672 | 1650 | 1626 | 1603 | 1576 | 1547 | 1532 | 1516 |
| 15.0 | 1790 | 1786 | 1778 | 1766 | 1752 | 1742 | 1733 | 1719 | 1715 | 1694 | 1668 | 1641 | 1613 | 1583 | 1548 | 1530 | 1512 |
| 17.5 | 1813 | 1809 | 1800 | 1788 | 1771 | 1763 | 1754 | 1738 | 1731 | 1710 | 1682 | 1651 | 1619 | 1585 | 1546 | 1525 | 1504 |
| 20.0 | 1827 | 1821 | 1813 | 1801 | 1785 | 1773 | 1765 | 1749 | 1740 | 1718 | 1689 | 1654 | 1619 | 1581 | 1538 | 1513 | 1491 |
| 22.5 | 1835 | 1831 | 1820 | 1807 | 1790 | 1780 | 1770 | 1752 | 1742 | 1720 | 1689 | 1652 | 1614 | 1572 | 1524 | 1499 | 1473 |
| 25.0 | 1837* | 1832 | 1821 | 1808 | 1790 | 1780 | 1768 | 1750 | 1736 | 1716 | 1683 | 1644 | 1603 | 1558 | 1506 | 1477 | 1450 |
| 27.5 | 1833 | 1828 | 1816 | 1803 | 1784 | 1772 | 1762 | 1740 | 1725 | 1705 | 1669 | 1630 | 1586 | 1538 | 1484 | 1452 | 1422 |
| 30.0 | 1825 | 1818 | 1807 | 1793 | 1772 | 1762 | 1751 | 1728 | 1709 | 1690 | 1653 | 1611 | 1564 | 1514 | 1455 | 1423 | 1392 |
| 32.5 | 1808 | 1803 | 1792 | 1777 | 1756 | 1745 | 1734 | 1708 | 1687 | 1665 | 1627 | 1585 | 1536 | 1480 | 1421 | 1389 | 1353 |
| 35.0 | 1787 | 1780 | 1769 | 1754 | 1735 | 1721 | 1709 | 1683 | 1661 | 1637 | 1600 | 1554 | 1503 | 1445 | 1386 | 1352 | 1315 |
| 37.5 | 1757 | 1751 | 1739 | 1724 | 1706 | 1692 | 1679 | 1652 | 1627 | 1602 | 1566 | 1516 | 1463 | 1408 | 1344 | 1306 | 1268 |
| 40.0 | 1714 | 1709 | 1699 | 1687 | 1666 | 1654 | 1644 | 1616 | 1589 | 1563 | 1527 | 1475 | 1423 | 1361 | 1292 | 1256 | 1219 |
| 42.5 | 1662 | 1659 | 1649 | 1639 | 1619 | 1608 | 1598 | 1572 | 1546 | 1517 | 1481 | 1432 | 1370 | 1310 | 1243 | 1205 | 1165 |
| 45.0 | 1600 | 1595 | 1590 | 1577 | 1562 | 1553 | 1544 | 1515 | 1491 | 1465 | 1433 | 1375 | 1320 | 1253 | 1182 | 1146 | 1106 |
| 47.5 | 1533 | 1527 | 1517 | 1509 | 1493 | 1485 | 1476 | 1454 | 1429 | 1406 | 1367 | 1320 | 1256 | 1194 | 1122 | 1081 | 1041 |
| 50.0 | 1446 | 1443 | 1440 | 1430 | 1418 | 1412 | 1406 | 1381 | 1360 | 1333 | 1307 | 1253 | 1200 | 1125 | 1057 | 1020 | 982 |
| 52.5 | 1352 | 1349 | 1349 | 1342 | 1332 | 1327 | 1320 | 1302 | 1284 | 1260 | 1229 | 1187 | 1125 | 1060 | 986 | 950 | 910 |
| 55.0 | 1249 | 1246 | 1243 | 1238 | 1236 | 1233 | 1224 | 1213 | 1196 | 1169 | 1150 | 1104 | 1049 | 987 | 915 | 875 | 837 |
| 57.5 | 1136 | 1133 | 1136 | 1139 | 1131 | 1129 | 1131 | 1116 | 1102 | 1087 | 1062 | 1020 | 971 | 909 | 842 | 805 | 770 |
| 60.0 | 1023 | 1022 | 1026 | 1021 | 1026 | 1025 | 1024 | 1017 | 1007 | 988 | 966 | 932 | 892 | 830 | 768 | 733 | 698 |
| 62.5 | 910 | 909 | 909 | 911 | 913 | 914 | 912 | 909 | 902 | 887 | 867 | 842 | 801 | 751 | 685 | 657 | 628 |
| 65.0 | 795 | 795 | 796 | 799 | 803 | 805 | 806 | 804 | 799 | 787 | 770 | 747 | 710 | 664 | 612 | 582 | 553 |
| 67.5 | 681 | 681 | 683 | 687 | 696 | 694 | 696 | 696 | 695 | 685 | 670 | 650 | 618 | 579 | 532 | 508 | 483 |
| 70.0 | 571 | 571 | 573 | 578 | 588 | 587 | 589 | 592 | 592 | 586 | 573 | 555 | 528 | 495 | 453 | 434 | 411 |
| 72.5 | 464 | 467 | 470 | 479 | 481 | 484 | 487 | 491 | 493 | 489 | 483 | 465 | 440 | 409 | 379 | 362 | 348 |
| 75.0 | 370 | 369 | 373 | 376 | 387 | 390 | 389 | 397 | 401 | 395 | 391 | 377 | 360 | 334 | 308 | 293 | 277 |
| 77.5 | 283 | 282 | 285 | 289 | 298 | 298 | 300 | 304 | 308 | 308 | 303 | 295 | 280 | 261 | 240 | 226 | 216 |
| 80.0 | 202 | 201 | 203 | 206 | 211 | 214 | 216 | 221 | 225 | 225 | 222 | 216 | 205 | 193 | 177 | 167 | 160 |
| 82.5 | 131 | 133 | 135 | 139 | 140 | 143 | 147 | 150 | 151 | 155 | 153 | 148 | 140 | 133 | 122 | 117 | 113 |
| 85.0 | 76 | 76 | 77 | 78 | 83 | 84 | 83 | 88 | 88 | 89 | 89 | 88 | 87 | 81 | 75 | 70 | 69 |
| 87.5 | 27 | 27 | 27 | 28 | 31 | 32 | 32 | 34 | 36 | 37 | 37 | 37 | 38 | 36 | 35 | 35 | 33 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

*MAXIMUM CANDELA VALUE