

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L65-840-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 4792061012.01
[TESTLAB] UL, LLC
[ISSUE DATE] 2025-12-23
[TEST DATE] 12/12/2025
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] 75W-4-L65-840-DIM-UNV
[LUMINAIRE] 75W WIDE LENS LED STRIP LUMINAIRE
[LAMP] LED
[BALLAST] 0-10V DIMMING DRIVER

CHARACTERISTICS

| | |
|---------------------------------|---------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 6174 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 146 |
| Total Luminaire Watts | 42.3 |
| Ballast Factor | 1.00 |
| CIE Type | Semi-Direct |
| Spacing Criterion (0-180) | 1.20 |
| Spacing Criterion (90-270) | 1.22 |
| Spacing Criterion (Diagonal) | 1.30 |
| Basic Luminous Shape | Rectangular w/Sides |
| Luminous Length (0-180) | 3.71 ft |
| Luminous Width (90-270) | 0.33 ft |
| Luminous Height | 0.08 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 13546 | 12134 | 12014 |
| 55 | 11730 | 10388 | 10547 |
| 65 | 9861 | 8897 | 9400 |
| 75 | 7908 | 7772 | 8786 |
| 85 | 5801 | 7645 | 9283 |

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CANDELA TABULATION

| | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> |
|------|------------|-------------|-------------|-------------|-------------|
| 0.0 | 1998.137 | 1998.137 | 1998.137 | 1998.137 | 1998.137 |
| 0.5 | 1988.661 | 1996.242 | 1997.505 | 1996.874 | 2010.140 |
| 1.0 | 1988.661 | 1996.874 | 1996.874 | 1996.242 | 2009.508 |
| 1.5 | 1986.766 | 1996.874 | 1996.242 | 1995.610 | 2010.140 |
| 2.0 | 1986.134 | 1994.978 | 1996.242 | 1994.978 | 2008.245 |
| 2.5 | 1986.134 | 1994.978 | 1994.347 | 1994.347 | 2006.981 |
| 3.0 | 1984.239 | 1993.083 | 1993.083 | 1993.083 | 2005.718 |
| 3.5 | 1982.976 | 1991.188 | 1991.188 | 1991.820 | 2004.454 |
| 4.0 | 1981.712 | 1989.925 | 1989.925 | 1989.293 | 2003.191 |
| 4.5 | 1978.554 | 1988.029 | 1988.661 | 1988.029 | 2001.296 |
| 5.0 | 1976.658 | 1986.134 | 1986.134 | 1986.134 | 1999.400 |
| 5.5 | 1974.132 | 1983.607 | 1983.607 | 1984.239 | 1996.874 |
| 6.0 | 1972.868 | 1980.449 | 1981.080 | 1981.080 | 1994.347 |
| 6.5 | 1968.446 | 1977.922 | 1978.554 | 1978.554 | 1991.188 |
| 7.0 | 1965.919 | 1974.763 | 1975.395 | 1974.763 | 1988.661 |
| 7.5 | 1963.392 | 1970.973 | 1972.236 | 1972.236 | 1985.503 |
| 8.0 | 1960.234 | 1968.446 | 1968.446 | 1968.446 | 1981.080 |
| 8.5 | 1957.075 | 1964.024 | 1965.287 | 1965.287 | 1977.290 |
| 9.0 | 1952.021 | 1960.865 | 1961.497 | 1960.865 | 1972.868 |
| 9.5 | 1948.863 | 1956.443 | 1956.443 | 1956.443 | 1970.341 |
| 10.0 | 1943.809 | 1951.390 | 1951.390 | 1952.653 | 1965.287 |
| 10.5 | 1939.387 | 1946.967 | 1947.599 | 1947.599 | 1960.865 |
| 11.0 | 1934.965 | 1942.545 | 1943.177 | 1942.545 | 1955.812 |
| 11.5 | 1929.279 | 1937.492 | 1938.755 | 1937.492 | 1951.390 |
| 12.0 | 1924.225 | 1931.806 | 1933.070 | 1933.070 | 1945.704 |
| 12.5 | 1919.172 | 1926.121 | 1928.016 | 1926.752 | 1940.650 |
| 13.0 | 1913.486 | 1921.067 | 1922.330 | 1921.699 | 1934.965 |
| 13.5 | 1907.801 | 1914.750 | 1916.013 | 1916.013 | 1929.911 |
| 14.0 | 1900.852 | 1908.432 | 1909.696 | 1909.696 | 1922.962 |
| 14.5 | 1895.166 | 1902.115 | 1903.379 | 1903.379 | 1917.908 |
| 15.0 | 1889.481 | 1895.798 | 1896.430 | 1896.430 | 1910.328 |
| 15.5 | 1882.532 | 1888.217 | 1890.113 | 1890.113 | 1902.747 |
| 16.0 | 1874.951 | 1881.268 | 1883.164 | 1883.164 | 1896.430 |
| 16.5 | 1868.634 | 1873.688 | 1875.583 | 1876.215 | 1889.481 |
| 17.0 | 1859.790 | 1865.475 | 1868.002 | 1868.634 | 1881.900 |
| 17.5 | 1852.209 | 1857.895 | 1860.422 | 1861.053 | 1874.319 |
| 18.0 | 1845.260 | 1850.314 | 1852.209 | 1854.104 | 1867.371 |
| 18.5 | 1837.048 | 1842.733 | 1844.629 | 1845.892 | 1859.158 |
| 19.0 | 1828.835 | 1833.258 | 1836.416 | 1837.680 | 1850.314 |
| 19.5 | 1819.360 | 1825.677 | 1828.204 | 1830.731 | 1842.102 |
| 20.0 | 1809.252 | 1816.201 | 1819.360 | 1821.255 | 1833.258 |
| 20.5 | 1799.145 | 1807.989 | 1810.516 | 1813.042 | 1825.045 |
| 21.0 | 1790.932 | 1797.881 | 1799.776 | 1804.830 | 1816.201 |
| 21.5 | 1781.456 | 1788.405 | 1791.564 | 1794.091 | 1806.725 |
| 22.0 | 1771.349 | 1779.561 | 1782.720 | 1785.247 | 1798.513 |
| 22.5 | 1762.505 | 1768.190 | 1772.612 | 1776.403 | 1789.037 |
| 23.0 | 1751.765 | 1758.083 | 1762.505 | 1766.295 | 1778.929 |
| 23.5 | 1740.394 | 1747.343 | 1753.029 | 1756.819 | 1769.454 |
| 24.0 | 1729.023 | 1736.604 | 1742.290 | 1746.712 | 1759.346 |
| 24.5 | 1719.548 | 1725.865 | 1732.182 | 1735.972 | 1747.975 |
| 25.0 | 1708.808 | 1715.125 | 1722.074 | 1725.865 | 1737.867 |
| 25.5 | 1696.806 | 1704.386 | 1710.072 | 1715.757 | 1725.865 |
| 26.0 | 1685.435 | 1692.383 | 1699.964 | 1705.018 | 1716.389 |
| 26.5 | 1673.432 | 1680.381 | 1689.225 | 1693.647 | 1705.650 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|------|----------|----------|----------|----------|----------|
| 27.0 | 1661.429 | 1667.746 | 1678.486 | 1684.171 | 1694.910 |
| 27.5 | 1647.531 | 1655.744 | 1666.483 | 1671.537 | 1684.171 |
| 28.0 | 1637.424 | 1643.741 | 1654.480 | 1660.166 | 1672.168 |
| 28.5 | 1624.158 | 1631.738 | 1642.477 | 1648.163 | 1660.166 |
| 29.0 | 1611.523 | 1619.104 | 1629.843 | 1636.792 | 1648.795 |
| 29.5 | 1598.257 | 1605.838 | 1617.209 | 1624.158 | 1636.160 |
| 30.0 | 1584.991 | 1593.203 | 1604.574 | 1613.418 | 1625.421 |
| 30.5 | 1571.093 | 1579.305 | 1592.571 | 1601.416 | 1612.787 |
| 31.0 | 1557.827 | 1566.039 | 1579.305 | 1588.781 | 1599.520 |
| 31.5 | 1543.929 | 1553.405 | 1566.671 | 1576.778 | 1588.149 |
| 32.0 | 1530.663 | 1538.875 | 1554.036 | 1563.512 | 1574.883 |
| 32.5 | 1516.133 | 1524.977 | 1540.770 | 1550.878 | 1562.249 |
| 33.0 | 1502.235 | 1511.711 | 1526.241 | 1538.243 | 1549.614 |
| 33.5 | 1488.969 | 1497.813 | 1513.606 | 1524.345 | 1536.348 |
| 34.0 | 1473.176 | 1483.283 | 1499.708 | 1511.711 | 1524.345 |
| 34.5 | 1458.646 | 1469.386 | 1486.442 | 1497.813 | 1510.448 |
| 35.0 | 1445.380 | 1454.224 | 1473.176 | 1485.179 | 1497.181 |
| 35.5 | 1428.324 | 1440.326 | 1458.646 | 1471.281 | 1483.283 |
| 36.0 | 1415.057 | 1425.165 | 1444.748 | 1457.383 | 1470.017 |
| 36.5 | 1398.633 | 1410.004 | 1430.219 | 1444.117 | 1457.383 |
| 37.0 | 1383.471 | 1395.474 | 1415.689 | 1429.587 | 1444.117 |
| 37.5 | 1367.678 | 1379.681 | 1401.791 | 1416.953 | 1429.587 |
| 38.0 | 1351.885 | 1364.520 | 1386.630 | 1402.423 | 1414.426 |
| 38.5 | 1335.461 | 1348.727 | 1372.100 | 1389.157 | 1400.528 |
| 39.0 | 1320.931 | 1332.934 | 1356.939 | 1374.627 | 1389.157 |
| 39.5 | 1304.506 | 1318.404 | 1342.409 | 1360.098 | 1373.996 |
| 40.0 | 1286.818 | 1301.979 | 1327.248 | 1346.832 | 1359.466 |
| 40.5 | 1270.393 | 1286.186 | 1312.719 | 1332.934 | 1345.568 |
| 41.0 | 1255.232 | 1270.393 | 1297.557 | 1318.404 | 1331.038 |
| 41.5 | 1238.807 | 1254.600 | 1282.396 | 1303.874 | 1317.141 |
| 42.0 | 1222.382 | 1238.807 | 1267.235 | 1289.977 | 1303.243 |
| 42.5 | 1206.589 | 1222.382 | 1251.441 | 1275.447 | 1288.713 |
| 43.0 | 1188.901 | 1206.589 | 1236.912 | 1261.549 | 1274.815 |
| 43.5 | 1173.740 | 1190.164 | 1221.119 | 1247.019 | 1260.917 |
| 44.0 | 1156.683 | 1173.740 | 1205.326 | 1233.122 | 1246.388 |
| 44.5 | 1140.890 | 1157.947 | 1189.533 | 1217.960 | 1231.858 |
| 45.0 | 1124.465 | 1141.522 | 1174.371 | 1204.694 | 1218.592 |
| 45.5 | 1108.041 | 1125.729 | 1159.210 | 1190.796 | 1204.694 |
| 46.0 | 1091.616 | 1109.304 | 1142.785 | 1175.635 | 1190.164 |
| 46.5 | 1075.191 | 1092.879 | 1128.887 | 1163.000 | 1176.267 |
| 47.0 | 1058.135 | 1077.086 | 1113.094 | 1147.839 | 1162.369 |
| 47.5 | 1041.710 | 1060.661 | 1097.301 | 1133.309 | 1147.839 |
| 48.0 | 1025.917 | 1044.237 | 1081.508 | 1120.043 | 1133.309 |
| 48.5 | 1008.228 | 1028.444 | 1066.979 | 1104.882 | 1119.412 |
| 49.0 | 992.435 | 1011.387 | 1050.554 | 1090.352 | 1104.882 |
| 49.5 | 976.011 | 995.594 | 1035.393 | 1076.454 | 1090.984 |
| 50.0 | 958.954 | 979.169 | 1020.231 | 1061.293 | 1076.454 |
| 50.5 | 943.161 | 963.376 | 1004.438 | 1048.659 | 1063.188 |
| 51.0 | 926.736 | 946.951 | 990.540 | 1034.129 | 1049.290 |
| 51.5 | 910.943 | 930.527 | 974.747 | 1020.231 | 1035.393 |
| 52.0 | 893.887 | 914.734 | 959.586 | 1005.702 | 1021.495 |
| 52.5 | 877.462 | 898.309 | 945.056 | 991.172 | 1008.228 |
| 53.0 | 860.405 | 882.516 | 929.895 | 978.538 | 993.699 |
| 53.5 | 843.981 | 866.723 | 915.365 | 964.008 | 980.433 |
| 54.0 | 828.188 | 850.930 | 900.836 | 950.110 | 967.167 |
| 54.5 | 813.026 | 834.505 | 886.306 | 937.476 | 953.900 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|------|---------|---------|---------|---------|---------|
| 55.0 | 797.233 | 819.344 | 871.776 | 922.946 | 941.898 |
| 55.5 | 783.967 | 803.551 | 857.247 | 909.680 | 927.368 |
| 56.0 | 768.806 | 789.653 | 843.349 | 896.414 | 914.102 |
| 56.5 | 753.013 | 775.123 | 828.819 | 883.147 | 901.467 |
| 57.0 | 737.851 | 760.593 | 814.921 | 869.881 | 888.201 |
| 57.5 | 722.058 | 745.432 | 802.919 | 857.247 | 873.672 |
| 58.0 | 706.265 | 730.271 | 789.021 | 843.349 | 862.932 |
| 58.5 | 691.104 | 715.109 | 775.123 | 831.346 | 850.298 |
| 59.0 | 675.943 | 699.948 | 761.857 | 820.607 | 837.032 |
| 59.5 | 660.781 | 685.418 | 749.854 | 807.341 | 826.924 |
| 60.0 | 645.620 | 670.257 | 736.588 | 794.706 | 814.290 |
| 60.5 | 630.775 | 655.728 | 723.322 | 782.704 | 801.655 |
| 61.0 | 615.866 | 641.198 | 710.056 | 770.701 | 789.653 |
| 61.5 | 601.084 | 626.795 | 696.789 | 758.698 | 778.282 |
| 62.0 | 586.554 | 612.518 | 684.155 | 747.327 | 766.279 |
| 62.5 | 572.214 | 598.367 | 670.889 | 735.956 | 754.908 |
| 63.0 | 557.684 | 584.280 | 658.254 | 723.954 | 744.800 |
| 63.5 | 543.281 | 570.382 | 646.252 | 712.583 | 733.429 |
| 64.0 | 529.257 | 556.674 | 633.617 | 700.580 | 722.058 |
| 64.5 | 515.296 | 543.281 | 621.615 | 689.209 | 710.687 |
| 65.0 | 501.461 | 529.825 | 609.549 | 677.838 | 699.948 |
| 65.5 | 487.816 | 516.685 | 597.609 | 666.467 | 688.577 |
| 66.0 | 473.981 | 503.546 | 585.796 | 655.096 | 677.838 |
| 66.5 | 460.462 | 490.722 | 574.046 | 644.357 | 667.099 |
| 67.0 | 447.259 | 478.024 | 562.359 | 632.986 | 656.359 |
| 67.5 | 433.993 | 465.516 | 550.925 | 622.373 | 645.620 |
| 68.0 | 420.916 | 453.324 | 539.554 | 611.633 | 635.512 |
| 68.5 | 408.029 | 441.195 | 528.436 | 601.210 | 624.963 |
| 69.0 | 395.205 | 429.192 | 517.444 | 590.723 | 614.981 |
| 69.5 | 382.571 | 417.442 | 506.578 | 580.553 | 605.063 |
| 70.0 | 370.000 | 405.881 | 495.902 | 570.571 | 595.209 |
| 70.5 | 357.744 | 394.447 | 485.226 | 560.590 | 585.480 |
| 71.0 | 345.615 | 383.139 | 474.739 | 550.735 | 575.878 |
| 71.5 | 333.612 | 372.084 | 464.505 | 541.133 | 566.402 |
| 72.0 | 321.862 | 360.966 | 454.271 | 531.594 | 557.179 |
| 72.5 | 310.049 | 350.227 | 444.290 | 522.245 | 548.019 |
| 73.0 | 298.552 | 339.551 | 434.372 | 513.022 | 538.796 |
| 73.5 | 287.370 | 329.001 | 424.770 | 503.862 | 529.825 |
| 74.0 | 276.315 | 318.767 | 415.041 | 495.017 | 520.792 |
| 74.5 | 265.450 | 308.470 | 405.755 | 486.236 | 512.263 |
| 75.0 | 254.647 | 298.426 | 396.532 | 477.645 | 503.988 |
| 75.5 | 244.034 | 288.634 | 387.435 | 469.117 | 495.586 |
| 76.0 | 233.737 | 279.032 | 378.591 | 460.652 | 487.374 |
| 76.5 | 223.503 | 269.556 | 369.810 | 452.376 | 479.161 |
| 77.0 | 213.396 | 260.143 | 361.156 | 444.164 | 471.202 |
| 77.5 | 203.478 | 250.983 | 352.627 | 436.204 | 463.305 |
| 78.0 | 193.686 | 242.013 | 344.352 | 428.371 | 455.535 |
| 78.5 | 184.084 | 233.169 | 336.139 | 420.474 | 447.828 |
| 79.0 | 174.671 | 224.577 | 328.180 | 412.830 | 440.247 |
| 79.5 | 165.322 | 216.049 | 320.346 | 405.376 | 432.666 |
| 80.0 | 156.099 | 207.647 | 312.513 | 397.985 | 425.465 |
| 80.5 | 147.128 | 199.498 | 304.932 | 390.531 | 418.137 |
| 81.0 | 138.410 | 191.475 | 297.667 | 383.329 | 410.998 |
| 81.5 | 129.566 | 183.642 | 290.403 | 376.191 | 403.860 |
| 82.0 | 121.038 | 175.998 | 283.327 | 369.305 | 396.974 |
| 82.5 | 112.699 | 168.480 | 276.378 | 362.419 | 390.215 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|---------|---------|---------|---------|---------|
| 83.0 | 104.487 | 161.152 | 269.556 | 355.786 | 383.645 |
| 83.5 | 96.338 | 154.014 | 263.049 | 349.026 | 376.822 |
| 84.0 | 88.378 | 147.065 | 256.732 | 342.646 | 370.315 |
| 84.5 | 80.481 | 140.369 | 250.541 | 336.329 | 363.935 |
| 85.0 | 72.901 | 133.862 | 244.476 | 330.075 | 357.555 |
| 85.5 | 65.320 | 127.671 | 238.538 | 324.010 | 351.364 |
| 86.0 | 57.866 | 121.733 | 232.726 | 318.072 | 345.236 |
| 86.5 | 50.475 | 116.174 | 227.230 | 312.134 | 339.108 |
| 87.0 | 43.210 | 110.804 | 221.671 | 306.512 | 333.107 |
| 87.5 | 35.945 | 105.813 | 216.428 | 300.826 | 327.358 |
| 88.0 | 28.743 | 100.949 | 211.248 | 295.330 | 321.547 |
| 88.5 | 21.479 | 96.401 | 206.257 | 289.897 | 315.924 |
| 89.0 | 14.845 | 92.105 | 201.519 | 284.654 | 310.365 |
| 89.5 | 9.413 | 88.125 | 196.908 | 279.600 | 304.932 |
| 90.0 | 5.622 | 84.588 | 192.675 | 274.799 | 299.942 |
| 90.5 | 3.980 | 81.492 | 188.759 | 269.998 | 294.635 |
| 91.0 | 4.233 | 78.649 | 184.779 | 265.134 | 289.581 |
| 91.5 | 5.054 | 75.933 | 180.799 | 260.522 | 284.528 |
| 92.0 | 6.001 | 73.659 | 177.009 | 255.847 | 279.600 |
| 92.5 | 7.012 | 71.700 | 173.787 | 251.362 | 274.736 |
| 93.0 | 8.023 | 69.995 | 170.439 | 247.130 | 270.061 |
| 93.5 | 9.097 | 68.668 | 167.280 | 242.960 | 265.639 |
| 94.0 | 10.234 | 67.531 | 164.311 | 239.044 | 261.343 |
| 94.5 | 11.308 | 66.710 | 161.531 | 235.064 | 256.921 |
| 95.0 | 12.382 | 66.078 | 158.941 | 231.147 | 252.689 |
| 95.5 | 13.393 | 65.636 | 156.541 | 227.420 | 248.519 |
| 96.0 | 14.214 | 65.446 | 154.456 | 223.819 | 244.413 |
| 96.5 | 15.035 | 65.446 | 152.371 | 220.471 | 240.623 |
| 97.0 | 15.793 | 65.510 | 150.476 | 217.249 | 236.833 |
| 97.5 | 16.614 | 65.762 | 148.707 | 214.154 | 233.358 |
| 98.0 | 17.309 | 66.015 | 147.128 | 211.122 | 229.820 |
| 98.5 | 18.130 | 66.331 | 145.801 | 208.216 | 226.536 |
| 99.0 | 18.952 | 66.710 | 144.412 | 205.499 | 223.314 |
| 99.5 | 19.836 | 67.152 | 143.211 | 202.909 | 220.155 |
| 100.0 | 20.594 | 67.594 | 142.264 | 200.509 | 217.312 |
| 100.5 | 21.479 | 68.100 | 141.316 | 198.171 | 214.406 |
| 101.0 | 22.237 | 68.605 | 140.621 | 195.960 | 211.816 |
| 101.5 | 22.995 | 69.110 | 139.926 | 193.876 | 209.163 |
| 102.0 | 23.690 | 69.616 | 139.421 | 191.917 | 206.826 |
| 102.5 | 24.384 | 70.121 | 138.916 | 190.085 | 204.488 |
| 103.0 | 25.079 | 70.690 | 138.537 | 188.253 | 202.404 |
| 103.5 | 25.837 | 71.258 | 138.221 | 186.674 | 200.256 |
| 104.0 | 26.659 | 71.764 | 137.905 | 185.221 | 198.298 |
| 104.5 | 27.480 | 72.332 | 137.715 | 183.831 | 196.466 |
| 105.0 | 28.238 | 72.901 | 137.526 | 182.568 | 194.697 |
| 105.5 | 28.933 | 73.406 | 137.336 | 181.241 | 193.181 |
| 106.0 | 29.754 | 74.038 | 137.273 | 180.104 | 191.664 |
| 106.5 | 30.512 | 74.606 | 137.273 | 179.030 | 190.148 |
| 107.0 | 31.270 | 75.238 | 137.273 | 178.019 | 188.885 |
| 107.5 | 31.965 | 75.743 | 137.273 | 177.261 | 187.558 |
| 108.0 | 32.850 | 76.375 | 137.273 | 176.377 | 186.232 |
| 108.5 | 33.671 | 77.007 | 137.336 | 175.745 | 185.347 |
| 109.0 | 34.492 | 77.512 | 137.463 | 174.924 | 184.463 |
| 109.5 | 35.376 | 78.081 | 137.526 | 174.355 | 183.515 |
| 110.0 | 36.261 | 78.649 | 137.652 | 173.724 | 182.757 |
| 110.5 | 37.145 | 79.218 | 137.779 | 173.155 | 182.062 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|--------|--------|---------|---------|---------|
| 111.0 | 38.030 | 79.787 | 137.842 | 172.650 | 181.304 |
| 111.5 | 38.914 | 80.292 | 137.905 | 172.271 | 180.673 |
| 112.0 | 39.862 | 80.860 | 138.031 | 171.892 | 179.914 |
| 112.5 | 40.809 | 81.429 | 138.158 | 171.449 | 179.220 |
| 113.0 | 41.820 | 81.998 | 138.347 | 171.134 | 178.904 |
| 113.5 | 42.768 | 82.503 | 138.347 | 170.818 | 178.461 |
| 114.0 | 43.778 | 83.008 | 138.473 | 170.565 | 178.019 |
| 114.5 | 44.726 | 83.577 | 138.600 | 170.249 | 177.640 |
| 115.0 | 45.737 | 84.019 | 138.726 | 170.060 | 177.324 |
| 115.5 | 46.747 | 84.588 | 138.726 | 169.870 | 177.009 |
| 116.0 | 47.695 | 85.093 | 138.916 | 169.617 | 176.629 |
| 116.5 | 48.579 | 85.598 | 139.042 | 169.365 | 176.503 |
| 117.0 | 49.590 | 86.167 | 139.168 | 169.365 | 176.187 |
| 117.5 | 50.538 | 86.609 | 139.295 | 169.112 | 175.998 |
| 118.0 | 51.359 | 87.051 | 139.421 | 168.986 | 175.745 |
| 118.5 | 52.307 | 87.494 | 139.484 | 168.796 | 175.682 |
| 119.0 | 53.128 | 87.936 | 139.611 | 168.607 | 175.303 |
| 119.5 | 54.012 | 88.252 | 139.737 | 168.417 | 175.240 |
| 120.0 | 54.833 | 88.567 | 139.674 | 168.291 | 174.924 |
| 120.5 | 55.655 | 88.946 | 139.737 | 168.038 | 174.861 |
| 121.0 | 56.476 | 89.199 | 139.863 | 167.849 | 174.608 |
| 121.5 | 57.360 | 89.515 | 139.800 | 167.596 | 174.482 |
| 122.0 | 58.182 | 89.894 | 139.800 | 167.470 | 174.292 |
| 122.5 | 59.003 | 90.273 | 139.863 | 167.217 | 173.850 |
| 123.0 | 59.824 | 90.652 | 139.800 | 166.964 | 173.787 |
| 123.5 | 60.582 | 90.968 | 139.674 | 166.775 | 173.408 |
| 124.0 | 61.214 | 91.221 | 139.674 | 166.585 | 173.345 |
| 124.5 | 61.846 | 91.473 | 139.674 | 166.269 | 173.092 |
| 125.0 | 62.477 | 91.789 | 139.547 | 165.953 | 172.839 |
| 125.5 | 63.109 | 91.979 | 139.421 | 165.764 | 172.523 |
| 126.0 | 63.678 | 92.231 | 139.358 | 165.385 | 172.271 |
| 126.5 | 64.183 | 92.547 | 139.232 | 165.132 | 172.081 |
| 127.0 | 64.752 | 92.674 | 139.105 | 164.816 | 171.828 |
| 127.5 | 65.194 | 92.863 | 138.916 | 164.500 | 171.386 |
| 128.0 | 65.762 | 92.863 | 138.853 | 164.121 | 171.134 |
| 128.5 | 66.204 | 92.989 | 138.600 | 163.806 | 170.881 |
| 129.0 | 66.647 | 93.116 | 138.347 | 163.490 | 170.565 |
| 129.5 | 67.026 | 93.305 | 137.905 | 162.984 | 170.186 |
| 130.0 | 67.342 | 93.432 | 137.463 | 162.668 | 169.807 |
| 130.5 | 67.657 | 93.558 | 136.957 | 162.289 | 169.365 |
| 131.0 | 67.847 | 93.748 | 136.452 | 161.721 | 168.922 |
| 131.5 | 68.100 | 93.937 | 135.947 | 161.215 | 168.480 |
| 132.0 | 68.352 | 94.127 | 135.378 | 160.900 | 168.101 |
| 132.5 | 68.479 | 94.190 | 134.746 | 160.268 | 167.533 |
| 133.0 | 68.668 | 94.253 | 134.494 | 159.699 | 166.838 |
| 133.5 | 68.731 | 94.190 | 134.115 | 159.257 | 166.522 |
| 134.0 | 68.795 | 94.063 | 133.862 | 158.752 | 166.080 |
| 134.5 | 68.984 | 93.811 | 133.546 | 158.183 | 165.258 |
| 135.0 | 69.174 | 93.621 | 133.167 | 157.425 | 164.627 |
| 135.5 | 69.110 | 93.116 | 132.851 | 156.920 | 164.121 |
| 136.0 | 69.237 | 93.053 | 132.409 | 156.288 | 163.490 |
| 136.5 | 69.363 | 92.863 | 132.093 | 155.593 | 162.858 |
| 137.0 | 69.426 | 92.547 | 131.588 | 155.025 | 162.163 |
| 137.5 | 69.489 | 92.231 | 131.146 | 154.267 | 161.531 |
| 138.0 | 69.616 | 92.042 | 130.514 | 153.635 | 160.773 |
| 138.5 | 69.616 | 91.789 | 129.693 | 152.940 | 160.205 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L65-840-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|--------|--------|---------|---------|---------|
| 139.0 | 69.553 | 91.600 | 128.745 | 152.119 | 159.320 |
| 139.5 | 69.553 | 91.347 | 127.608 | 151.234 | 158.689 |
| 140.0 | 69.553 | 91.031 | 126.344 | 150.413 | 157.804 |
| 140.5 | 69.553 | 90.842 | 125.207 | 149.402 | 156.857 |
| 141.0 | 69.553 | 90.715 | 123.944 | 148.328 | 156.099 |
| 141.5 | 69.553 | 90.463 | 122.680 | 147.381 | 155.340 |
| 142.0 | 69.489 | 90.336 | 121.480 | 146.180 | 154.519 |
| 142.5 | 69.426 | 90.147 | 120.217 | 145.107 | 153.572 |
| 143.0 | 69.363 | 89.957 | 119.016 | 144.096 | 152.624 |
| 143.5 | 69.363 | 89.705 | 117.627 | 143.022 | 151.740 |
| 144.0 | 69.363 | 89.389 | 116.426 | 142.201 | 150.729 |
| 144.5 | 69.553 | 89.136 | 115.226 | 141.253 | 149.844 |
| 145.0 | 69.805 | 88.883 | 113.899 | 140.432 | 148.834 |
| 145.5 | 70.247 | 88.567 | 112.699 | 139.611 | 147.823 |
| 146.0 | 70.816 | 88.315 | 111.562 | 138.726 | 146.875 |
| 146.5 | 71.385 | 88.062 | 110.615 | 137.779 | 145.801 |
| 147.0 | 71.953 | 87.746 | 109.541 | 136.831 | 144.728 |
| 147.5 | 72.459 | 87.620 | 108.719 | 135.883 | 143.654 |
| 148.0 | 73.027 | 87.367 | 107.835 | 134.809 | 142.517 |
| 148.5 | 73.532 | 87.304 | 107.140 | 133.799 | 141.379 |
| 149.0 | 74.164 | 87.304 | 106.382 | 132.788 | 140.369 |
| 149.5 | 74.606 | 87.494 | 105.687 | 131.714 | 139.105 |
| 150.0 | 75.112 | 87.620 | 104.992 | 130.703 | 137.779 |
| 150.5 | 75.554 | 87.683 | 104.234 | 129.566 | 136.389 |
| 151.0 | 75.870 | 87.873 | 103.223 | 128.429 | 134.746 |
| 151.5 | 76.186 | 87.936 | 102.149 | 127.229 | 133.230 |
| 152.0 | 76.565 | 88.062 | 101.139 | 125.965 | 131.714 |
| 152.5 | 76.944 | 88.188 | 100.191 | 124.639 | 130.072 |
| 153.0 | 77.196 | 88.252 | 99.180 | 123.123 | 128.745 |
| 153.5 | 77.512 | 88.441 | 98.106 | 121.543 | 127.229 |
| 154.0 | 77.765 | 88.378 | 97.159 | 119.775 | 125.965 |
| 154.5 | 78.081 | 88.441 | 96.338 | 118.069 | 124.702 |
| 155.0 | 78.207 | 88.567 | 95.516 | 116.111 | 123.754 |
| 155.5 | 78.460 | 88.631 | 94.695 | 114.279 | 122.744 |
| 156.0 | 78.649 | 88.631 | 94.127 | 112.320 | 121.859 |
| 156.5 | 78.965 | 88.631 | 93.558 | 110.362 | 120.722 |
| 157.0 | 79.092 | 88.757 | 92.989 | 108.593 | 119.648 |
| 157.5 | 79.281 | 88.757 | 92.610 | 106.887 | 118.448 |
| 158.0 | 79.534 | 88.694 | 92.421 | 105.119 | 117.311 |
| 158.5 | 79.597 | 88.694 | 92.168 | 103.666 | 115.984 |
| 159.0 | 79.913 | 88.504 | 91.979 | 102.276 | 114.847 |
| 159.5 | 80.166 | 88.378 | 91.663 | 100.949 | 113.584 |
| 160.0 | 80.481 | 88.252 | 91.347 | 99.875 | 112.320 |
| 160.5 | 80.860 | 88.188 | 91.094 | 98.865 | 111.120 |
| 161.0 | 81.113 | 87.999 | 91.031 | 97.791 | 109.920 |
| 161.5 | 81.492 | 87.936 | 90.905 | 96.717 | 109.035 |
| 162.0 | 81.808 | 87.809 | 91.094 | 95.832 | 108.277 |
| 162.5 | 82.124 | 87.809 | 91.221 | 94.885 | 107.393 |
| 163.0 | 82.503 | 87.746 | 91.284 | 93.874 | 106.635 |
| 163.5 | 82.819 | 87.746 | 91.410 | 92.800 | 105.687 |
| 164.0 | 82.945 | 87.746 | 91.537 | 91.473 | 104.803 |
| 164.5 | 83.135 | 87.620 | 91.410 | 90.463 | 103.666 |
| 165.0 | 83.324 | 87.620 | 91.221 | 89.452 | 102.528 |
| 165.5 | 83.514 | 87.557 | 91.031 | 88.757 | 101.328 |
| 166.0 | 83.703 | 87.494 | 90.905 | 87.999 | 99.496 |
| 166.5 | 83.893 | 87.494 | 90.715 | 87.367 | 98.612 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L65-840-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|--------|--------|--------|--------|--------|
| 167.0 | 84.145 | 87.494 | 90.526 | 86.799 | 97.917 |
| 167.5 | 84.272 | 87.494 | 90.147 | 86.293 | 97.222 |
| 168.0 | 84.461 | 87.494 | 89.831 | 85.788 | 96.653 |
| 168.5 | 84.840 | 87.241 | 89.389 | 85.346 | 95.959 |
| 169.0 | 85.030 | 87.304 | 89.073 | 84.903 | 95.264 |
| 169.5 | 85.346 | 87.114 | 88.567 | 84.398 | 94.506 |
| 170.0 | 85.472 | 87.051 | 88.125 | 83.766 | 93.811 |
| 170.5 | 85.662 | 86.925 | 87.557 | 83.071 | 93.053 |
| 171.0 | 85.788 | 86.799 | 86.925 | 82.313 | 92.105 |
| 171.5 | 85.977 | 86.799 | 86.356 | 81.618 | 91.347 |
| 172.0 | 86.293 | 86.672 | 86.041 | 80.924 | 90.210 |
| 172.5 | 86.483 | 86.672 | 85.662 | 80.166 | 88.946 |
| 173.0 | 86.735 | 86.546 | 85.346 | 79.471 | 86.799 |
| 173.5 | 87.051 | 86.609 | 85.219 | 78.776 | 83.577 |
| 174.0 | 87.304 | 86.609 | 85.156 | 78.207 | 79.597 |
| 174.5 | 87.494 | 86.609 | 85.030 | 77.639 | 74.859 |
| 175.0 | 87.873 | 86.799 | 84.967 | 77.196 | 69.489 |
| 175.5 | 87.999 | 86.862 | 84.903 | 77.007 | 63.867 |
| 176.0 | 88.252 | 86.988 | 84.903 | 76.817 | 60.203 |
| 176.5 | 88.315 | 87.051 | 84.840 | 76.817 | 57.613 |
| 177.0 | 88.567 | 87.178 | 84.714 | 76.628 | 54.960 |
| 177.5 | 88.631 | 87.178 | 84.524 | 76.565 | 54.391 |
| 178.0 | 88.883 | 87.304 | 84.461 | 76.502 | 54.518 |
| 178.5 | 89.010 | 87.367 | 84.524 | 76.375 | 54.644 |
| 179.0 | 89.136 | 87.367 | 84.461 | 76.186 | 54.707 |
| 179.5 | 89.262 | 87.367 | 84.398 | 76.123 | 54.770 |
| 180.0 | 80.039 | 80.039 | 80.039 | 80.039 | 80.039 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L65-840-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 723.24 | N.A. | 11.70 |
| 0-30 | 1515.44 | N.A. | 24.50 |
| 0-40 | 2434.34 | N.A. | 39.40 |
| 0-60 | 4119.8 | N.A. | 66.70 |
| 0-80 | 5132.54 | N.A. | 83.10 |
| 0-90 | 5387.24 | N.A. | 87.30 |
| 10-90 | 5198.69 | N.A. | 84.20 |
| 20-40 | 1711.1 | N.A. | 27.70 |
| 20-50 | 2615.99 | N.A. | 42.40 |
| 40-70 | 2285.85 | N.A. | 37.00 |
| 60-80 | 1012.74 | N.A. | 16.40 |
| 70-80 | 412.35 | N.A. | 6.70 |
| 80-90 | 254.70 | N.A. | 4.10 |
| 90-110 | 297.49 | N.A. | 4.80 |
| 90-120 | 422.73 | N.A. | 6.80 |
| 90-130 | 538.00 | N.A. | 8.70 |
| 90-150 | 706.29 | N.A. | 11.40 |
| 90-180 | 786.75 | N.A. | 12.70 |
| 110-180 | 489.25 | N.A. | 7.90 |
| 0-180 | 6173.99 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 188.55 |
| 10-20 | 534.69 |
| 20-30 | 792.19 |
| 30-40 | 918.90 |
| 40-50 | 904.89 |
| 50-60 | 780.57 |
| 60-70 | 600.39 |
| 70-80 | 412.35 |
| 80-90 | 254.70 |
| 90-100 | 163.19 |
| 100-110 | 134.30 |
| 110-120 | 125.24 |
| 120-130 | 115.27 |
| 130-140 | 96.86 |
| 140-150 | 71.43 |
| 150-160 | 46.70 |
| 160-170 | 25.73 |
| 170-180 | 8.02 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L65-840-DIM-UNV_.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

| RC | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | | 0 |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| 0 | 116 | 116 | 116 | 116 | 112 | 112 | 112 | 112 | 104 | 104 | 104 | 97 | 97 | 97 | 90 | 90 | 90 | 87 |
| 1 | 105 | 100 | 95 | 91 | 101 | 96 | 92 | 89 | 90 | 86 | 83 | 84 | 81 | 79 | 78 | 76 | 74 | 71 |
| 2 | 95 | 87 | 80 | 74 | 92 | 84 | 78 | 72 | 78 | 73 | 69 | 73 | 69 | 65 | 68 | 65 | 62 | 59 |
| 3 | 87 | 76 | 68 | 62 | 83 | 74 | 66 | 60 | 69 | 63 | 58 | 65 | 60 | 55 | 61 | 56 | 53 | 50 |
| 4 | 80 | 68 | 59 | 52 | 76 | 66 | 58 | 51 | 62 | 55 | 49 | 58 | 52 | 47 | 54 | 49 | 45 | 43 |
| 5 | 73 | 61 | 52 | 45 | 70 | 59 | 51 | 44 | 55 | 48 | 43 | 52 | 46 | 41 | 49 | 44 | 40 | 37 |
| 6 | 68 | 55 | 46 | 40 | 65 | 53 | 45 | 39 | 50 | 43 | 38 | 47 | 41 | 36 | 44 | 39 | 35 | 33 |
| 7 | 63 | 50 | 41 | 35 | 60 | 48 | 40 | 34 | 46 | 38 | 33 | 43 | 37 | 32 | 41 | 35 | 31 | 29 |
| 8 | 59 | 45 | 37 | 31 | 56 | 44 | 36 | 31 | 42 | 35 | 30 | 40 | 33 | 29 | 37 | 32 | 28 | 26 |
| 9 | 55 | 42 | 34 | 28 | 53 | 41 | 33 | 28 | 38 | 32 | 27 | 36 | 30 | 26 | 35 | 29 | 25 | 23 |
| 10 | 51 | 38 | 31 | 25 | 49 | 37 | 30 | 25 | 36 | 29 | 24 | 34 | 28 | 24 | 32 | 27 | 23 | 21 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L65-840-DIM-UNV_.IES

UGR TABLE - CORRECTED

Reflectances

| | | | | | | | | | | |
|----------------|----|----|----|----|----|----|----|----|----|----|
| Ceiling Cavity | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
| Walls | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 |
| Floor Cavity | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

Room Size UGR Viewed Crosswise

| | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|
| X=2H | Y=2H | 18.1 | 19.5 | 18.7 | 20.0 | 20.6 | 19.8 | 21.1 | 20.3 | 21.7 | 22.3 |
| | 3H | 19.5 | 20.7 | 20.0 | 21.3 | 21.9 | 22.0 | 23.2 | 22.5 | 23.8 | 24.4 |
| | 4H | 19.9 | 21.1 | 20.5 | 21.7 | 22.3 | 23.0 | 24.2 | 23.6 | 24.8 | 25.5 |
| | 6H | 20.2 | 21.3 | 20.8 | 21.9 | 22.6 | 24.2 | 25.2 | 24.8 | 25.8 | 26.5 |
| | 8H | 20.3 | 21.3 | 20.9 | 21.9 | 22.6 | 24.7 | 25.8 | 25.4 | 26.4 | 27.1 |
| | 12H | 20.3 | 21.3 | 20.9 | 21.9 | 22.6 | 25.4 | 26.4 | 26.0 | 27.0 | 27.7 |

UGR Viewed Endwise

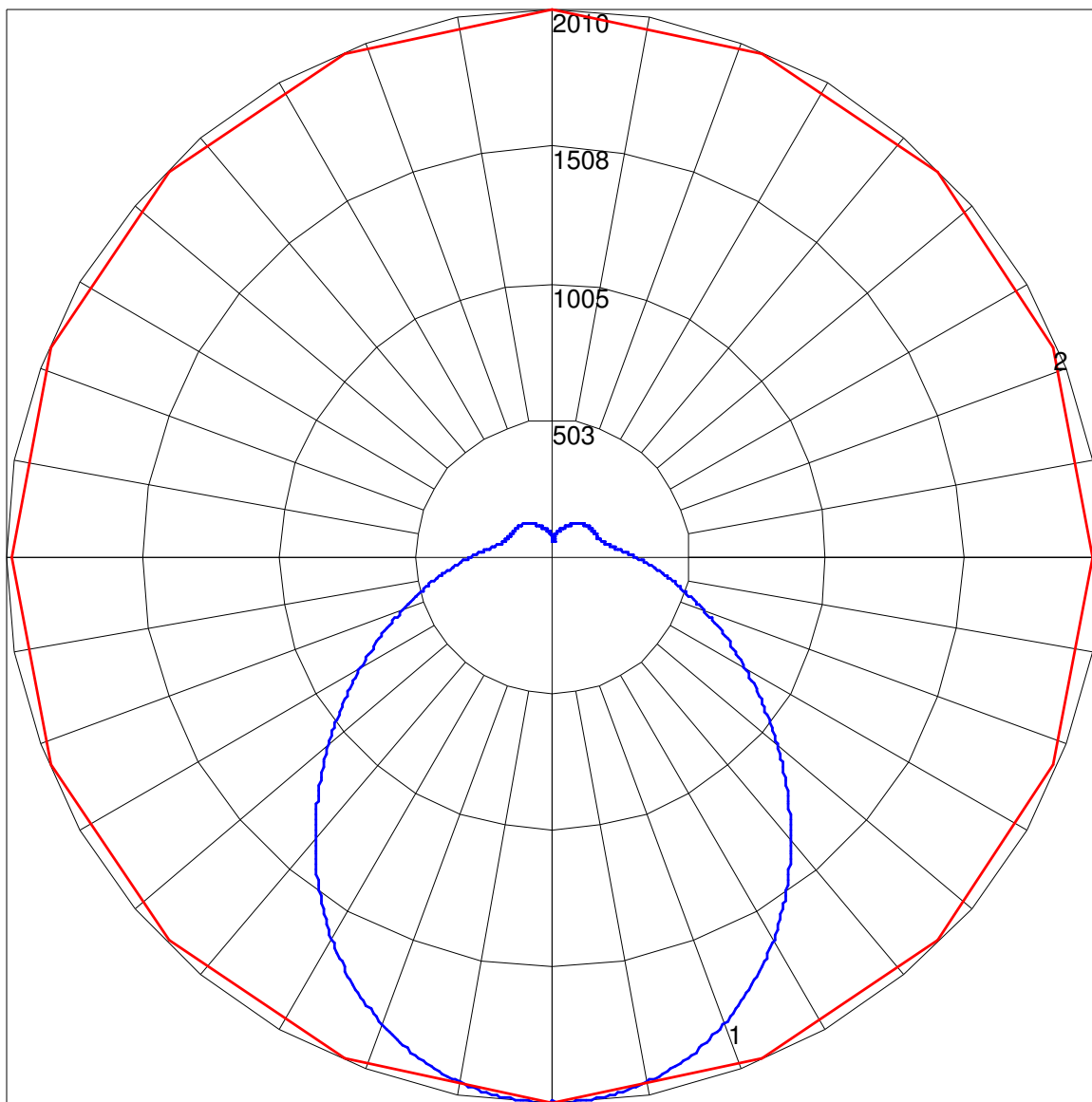
| | | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 4H | 2H | 18.8 | 20.0 | 19.4 | 20.6 | 21.3 | 20.2 | 21.3 | 20.8 | 21.9 | 22.6 |
| | 3H | 20.4 | 21.4 | 21.0 | 22.0 | 22.7 | 22.6 | 23.6 | 23.2 | 24.2 | 24.9 |
| | 4H | 21.0 | 21.9 | 21.6 | 22.5 | 23.3 | 23.9 | 24.7 | 24.5 | 25.4 | 26.1 |
| | 6H | 21.4 | 22.2 | 22.1 | 22.9 | 23.6 | 25.2 | 26.0 | 25.8 | 26.6 | 27.4 |
| | 8H | 21.5 | 22.3 | 22.2 | 22.9 | 23.7 | 25.9 | 26.6 | 26.5 | 27.3 | 28.0 |
| | 12H | 21.6 | 22.3 | 22.3 | 23.0 | 23.7 | 26.7 | 27.3 | 27.3 | 28.0 | 28.8 |

| | | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 8H | 4H | 21.6 | 22.3 | 22.2 | 23.0 | 23.7 | 24.0 | 24.8 | 24.7 | 25.4 | 26.2 |
| | 6H | 22.2 | 22.8 | 22.8 | 23.5 | 24.2 | 25.5 | 26.2 | 26.2 | 26.9 | 27.6 |
| | 8H | 22.4 | 22.9 | 23.0 | 23.6 | 24.4 | 26.4 | 27.0 | 27.1 | 27.7 | 28.4 |
| | 12H | 22.5 | 23.0 | 23.2 | 23.7 | 24.5 | 27.4 | 27.9 | 28.1 | 28.6 | 29.4 |

| | | | | | | | | | | | |
|-----|----|------|------|------|------|------|------|------|------|------|------|
| 12H | 4H | 21.7 | 22.4 | 22.4 | 23.1 | 23.8 | 24.0 | 24.7 | 24.7 | 25.4 | 26.2 |
| | 6H | 22.4 | 23.0 | 23.1 | 23.7 | 24.5 | 25.6 | 26.2 | 26.3 | 26.8 | 27.6 |
| | 8H | 22.7 | 23.2 | 23.4 | 23.9 | 24.7 | 26.5 | 27.0 | 27.2 | 27.7 | 28.5 |

Maximum UGR = 29.4

POLAR GRAPH



Maximum Candela = 2010.14 Located At Horizontal Angle = 90, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)