



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPLIA48-LED60DMVWH40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLIA000708-023A
 [TESTLAB] LightLab International Allentown, LLC
 [MANUFAC] Mobern Lighting Co., 8200 Stayton Drive, Jessup, MD 20794, USA
 [LUMCAT] LPLIA48-LED60DMVWH40
 [LUMINAIRE] Catalog Number: LPLIA48-LED60DMVWH40
 [MORE] Pendant mounted, formed white enamel steel housing, formed white enamel steel reflector trays, frosted linear ribbed plastic lower enclosure.
 [MORE] 128 white LEDs, 4 lower Everline M10CC840D32N2S LED boards with 32 white LEDs each.
 [MORE] One Everline D10CC55UNVTZ-C LED driver set at 1050mA.
 [MORE] 120.0Vac, 60.00Hz, 0.4949A, 59.41W, 0.996PF, 4.6%THD(i)
 [OTHER] Absolute test - lamp lumens value set to -1
 [MORE] NA conventions used for C0 plane alignment and C-plane rotation direction.
 [MORE] The sample was tested at a distance of 9.5m.
 [MORE] This IES file was extrapolated from LPLIA48-LED60DMVWH30
 [DATE] This file created: Monday, March 6, 2017 10:03:08 AM
 [ISSUEDATE] Monday, March 6, 2017 10:03:08 AM

CHARACTERISTICS

| | |
|---------------------------------|---------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 6900 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 117 |
| Total Luminaire Watts | 59.2 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.20 |
| Spacing Criterion (90-270) | 1.32 |
| Spacing Criterion (Diagonal) | 1.38 |
| Basic Luminous Shape | Rectangular w/Sides |
| Luminous Length (0-180) | 1.20 m |
| Luminous Width (90-270) | 0.19 m |
| Luminous Height | 0.01 m |

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LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 8199 | 9281 | 10112 |
| 55 | 7256 | 8885 | 10153 |
| 65 | 6257 | 8551 | 10374 |
| 75 | 5156 | 8603 | 10795 |
| 85 | 3801 | 10105 | 11760 |

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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 | 2322.711 | 2322.711 | 2322.711 | 2322.711 | 2322.711 |
| 0.5 | 2317.655 | 2318.168 | 2329.201 | 2326.825 | 2315.259 |
| 1.0 | 2317.467 | 2317.792 | 2328.740 | 2326.521 | 2315.238 |
| 1.5 | 2316.577 | 2317.247 | 2328.196 | 2326.134 | 2314.808 |
| 2.0 | 2315.750 | 2316.504 | 2327.411 | 2325.631 | 2314.296 |
| 2.5 | 2314.536 | 2315.395 | 2326.521 | 2324.804 | 2313.730 |
| 3.0 | 2313.092 | 2314.139 | 2325.275 | 2323.894 | 2313.081 |
| 3.5 | 2311.302 | 2312.464 | 2323.915 | 2322.596 | 2312.349 |
| 4.0 | 2309.324 | 2310.747 | 2322.303 | 2321.298 | 2311.218 |
| 4.5 | 2307.178 | 2308.759 | 2320.691 | 2320.011 | 2309.878 |
| 5.0 | 2304.614 | 2306.383 | 2318.608 | 2318.242 | 2308.643 |
| 5.5 | 2301.662 | 2303.818 | 2316.305 | 2316.441 | 2306.990 |
| 6.0 | 2298.867 | 2301.065 | 2313.866 | 2314.421 | 2305.367 |
| 6.5 | 2295.319 | 2298.019 | 2311.197 | 2312.286 | 2303.609 |
| 7.0 | 2291.676 | 2294.712 | 2308.298 | 2309.994 | 2301.610 |
| 7.5 | 2287.940 | 2291.247 | 2305.388 | 2307.387 | 2299.401 |
| 8.0 | 2283.837 | 2287.458 | 2302.143 | 2304.760 | 2297.192 |
| 8.5 | 2279.482 | 2283.428 | 2298.616 | 2301.965 | 2294.837 |
| 9.0 | 2274.856 | 2279.179 | 2294.973 | 2298.867 | 2292.221 |
| 9.5 | 2269.957 | 2274.793 | 2290.986 | 2295.748 | 2289.405 |
| 10.0 | 2264.745 | 2269.874 | 2286.935 | 2292.378 | 2286.432 |
| 10.5 | 2259.417 | 2265.122 | 2282.622 | 2288.850 | 2283.418 |
| 11.0 | 2253.597 | 2259.773 | 2278.226 | 2285.187 | 2280.382 |
| 11.5 | 2247.841 | 2254.236 | 2273.495 | 2281.272 | 2276.939 |
| 12.0 | 2241.550 | 2248.469 | 2268.586 | 2277.263 | 2273.411 |
| 12.5 | 2235.092 | 2242.555 | 2263.415 | 2273.097 | 2269.779 |
| 13.0 | 2228.414 | 2236.285 | 2258.088 | 2268.722 | 2265.833 |
| 13.5 | 2221.495 | 2229.837 | 2252.624 | 2264.221 | 2261.908 |
| 14.0 | 2214.189 | 2223.254 | 2247.024 | 2259.490 | 2257.837 |
| 14.5 | 2206.716 | 2216.304 | 2240.890 | 2254.571 | 2253.440 |
| 15.0 | 2199.075 | 2209.144 | 2234.987 | 2249.599 | 2248.981 |
| 15.5 | 2191.214 | 2201.713 | 2228.749 | 2244.324 | 2244.512 |
| 16.0 | 2182.914 | 2193.956 | 2222.155 | 2238.766 | 2239.645 |
| 16.5 | 2174.446 | 2186.179 | 2215.477 | 2233.407 | 2234.767 |
| 17.0 | 2165.853 | 2178.109 | 2208.642 | 2227.576 | 2229.743 |
| 17.5 | 2156.861 | 2169.841 | 2201.556 | 2221.631 | 2224.489 |
| 18.0 | 2147.650 | 2161.184 | 2194.291 | 2215.581 | 2219.098 |
| 18.5 | 2138.345 | 2152.402 | 2186.891 | 2209.448 | 2213.488 |
| 19.0 | 2128.527 | 2143.181 | 2179.114 | 2202.864 | 2207.742 |
| 19.5 | 2118.479 | 2134.012 | 2171.233 | 2196.322 | 2201.890 |
| 20.0 | 2108.410 | 2124.424 | 2163.204 | 2189.602 | 2195.903 |
| 20.5 | 2097.744 | 2114.679 | 2154.873 | 2182.558 | 2189.550 |
| 21.0 | 2087.329 | 2104.736 | 2146.468 | 2175.608 | 2183.322 |
| 21.5 | 2076.527 | 2094.572 | 2137.948 | 2168.260 | 2176.770 |
| 22.0 | 2065.233 | 2084.084 | 2129.092 | 2160.776 | 2170.008 |
| 22.5 | 2053.918 | 2073.418 | 2120.049 | 2153.219 | 2163.026 |
| 23.0 | 2042.405 | 2062.575 | 2110.848 | 2145.369 | 2156.160 |
| 23.5 | 2030.504 | 2051.375 | 2101.428 | 2137.445 | 2149.011 |
| 24.0 | 2018.477 | 2040.102 | 2091.872 | 2129.354 | 2141.747 |
| 24.5 | 2006.105 | 2028.578 | 2082.075 | 2121.106 | 2134.253 |
| 25.0 | 1993.608 | 2016.750 | 2072.152 | 2112.471 | 2126.507 |
| 25.5 | 1980.817 | 2004.807 | 2062.114 | 2103.951 | 2118.782 |
| 26.0 | 1968.068 | 1992.707 | 2051.846 | 2095.221 | 2110.817 |
| 26.5 | 1954.597 | 1980.168 | 2041.295 | 2086.282 | 2102.621 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|------|----------|----------|----------|----------|----------|
| 27.0 | 1941.294 | 1967.597 | 2030.619 | 2077.113 | 2094.352 |
| 27.5 | 1927.645 | 1954.806 | 2019.765 | 2067.840 | 2085.927 |
| 28.0 | 1913.703 | 1941.597 | 2008.617 | 2058.388 | 2077.239 |
| 28.5 | 1899.635 | 1928.409 | 1997.512 | 2048.842 | 2068.625 |
| 29.0 | 1885.368 | 1914.938 | 1986.218 | 2039.076 | 2059.759 |
| 29.5 | 1870.798 | 1901.268 | 1974.443 | 2029.049 | 2050.464 |
| 30.0 | 1856.124 | 1887.462 | 1962.866 | 2019.084 | 2041.327 |
| 30.5 | 1841.334 | 1873.436 | 1951.101 | 2008.827 | 2032.011 |
| 31.0 | 1825.895 | 1858.992 | 1938.823 | 1998.297 | 2022.444 |
| 31.5 | 1810.582 | 1844.620 | 1926.765 | 1987.757 | 2012.678 |
| 32.0 | 1795.122 | 1830.124 | 1914.477 | 1977.143 | 2002.829 |
| 32.5 | 1779.243 | 1815.219 | 1901.781 | 1966.111 | 1992.728 |
| 33.0 | 1763.271 | 1800.303 | 1889.189 | 1955.110 | 1982.460 |
| 33.5 | 1747.288 | 1785.178 | 1876.419 | 1943.900 | 1972.067 |
| 34.0 | 1730.677 | 1769.834 | 1863.199 | 1932.418 | 1961.505 |
| 34.5 | 1714.369 | 1754.426 | 1850.220 | 1921.071 | 1950.777 |
| 35.0 | 1697.685 | 1738.789 | 1836.959 | 1909.390 | 1939.975 |
| 35.5 | 1680.592 | 1722.795 | 1823.383 | 1897.332 | 1928.754 |
| 36.0 | 1663.772 | 1706.843 | 1809.786 | 1885.327 | 1917.670 |
| 36.5 | 1646.564 | 1690.933 | 1796.221 | 1873.300 | 1906.407 |
| 37.0 | 1628.906 | 1674.437 | 1782.216 | 1860.855 | 1894.778 |
| 37.5 | 1611.531 | 1658.172 | 1768.358 | 1848.504 | 1883.013 |
| 38.0 | 1593.998 | 1641.728 | 1754.290 | 1835.901 | 1871.353 |
| 38.5 | 1576.058 | 1625.012 | 1739.814 | 1823.111 | 1859.274 |
| 39.0 | 1558.285 | 1608.275 | 1725.590 | 1810.299 | 1847.279 |
| 39.5 | 1540.177 | 1591.476 | 1711.197 | 1797.320 | 1835.001 |
| 40.0 | 1521.734 | 1574.352 | 1696.366 | 1784.016 | 1822.577 |
| 40.5 | 1503.605 | 1557.427 | 1681.670 | 1770.838 | 1810.027 |
| 41.0 | 1485.403 | 1540.282 | 1666.870 | 1757.577 | 1797.393 |
| 41.5 | 1466.636 | 1522.969 | 1651.745 | 1743.802 | 1784.477 |
| 42.0 | 1448.172 | 1505.605 | 1636.704 | 1730.279 | 1771.529 |
| 42.5 | 1429.824 | 1488.313 | 1621.464 | 1716.567 | 1758.582 |
| 43.0 | 1411.004 | 1470.561 | 1606.004 | 1702.635 | 1745.236 |
| 43.5 | 1392.572 | 1453.186 | 1590.607 | 1688.631 | 1731.964 |
| 44.0 | 1373.700 | 1435.570 | 1575.106 | 1674.626 | 1718.451 |
| 44.5 | 1354.545 | 1417.661 | 1559.112 | 1660.223 | 1704.677 |
| 45.0 | 1336.018 | 1400.055 | 1543.506 | 1646.072 | 1691.059 |
| 45.5 | 1317.387 | 1382.471 | 1527.669 | 1631.732 | 1677.159 |
| 46.0 | 1298.243 | 1364.353 | 1511.519 | 1616.974 | 1663.060 |
| 46.5 | 1279.381 | 1346.527 | 1495.462 | 1602.435 | 1649.139 |
| 47.0 | 1260.562 | 1328.807 | 1479.479 | 1587.875 | 1634.987 |
| 47.5 | 1241.554 | 1310.709 | 1462.962 | 1572.939 | 1620.553 |
| 48.0 | 1222.640 | 1292.779 | 1446.717 | 1558.149 | 1606.130 |
| 48.5 | 1203.653 | 1274.860 | 1430.389 | 1543.202 | 1591.622 |
| 49.0 | 1184.697 | 1256.762 | 1413.736 | 1527.889 | 1576.958 |
| 49.5 | 1166.003 | 1238.926 | 1397.282 | 1512.994 | 1562.336 |
| 50.0 | 1147.194 | 1220.986 | 1380.671 | 1497.817 | 1547.598 |
| 50.5 | 1128.186 | 1202.648 | 1363.861 | 1482.420 | 1532.641 |
| 51.0 | 1109.544 | 1184.875 | 1347.218 | 1467.097 | 1517.694 |
| 51.5 | 1091.007 | 1167.144 | 1330.576 | 1451.836 | 1502.758 |
| 52.0 | 1071.978 | 1148.973 | 1313.514 | 1436.219 | 1487.486 |
| 52.5 | 1053.493 | 1131.054 | 1296.704 | 1420.707 | 1472.299 |
| 53.0 | 1034.872 | 1113.124 | 1279.968 | 1405.080 | 1457.017 |
| 53.5 | 1016.178 | 1095.058 | 1262.749 | 1389.295 | 1441.704 |
| 54.0 | 997.903 | 1077.295 | 1245.908 | 1373.815 | 1426.443 |
| 54.5 | 979.575 | 1059.470 | 1228.930 | 1358.219 | 1411.056 |

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| | | | | | |
|------|---------|----------|----------|----------|----------|
| 55.0 | 961.080 | 1041.341 | 1211.534 | 1342.215 | 1395.293 |
| 55.5 | 943.056 | 1023.704 | 1194.829 | 1326.745 | 1380.032 |
| 56.0 | 924.948 | 1006.067 | 1177.893 | 1310.960 | 1364.447 |
| 56.5 | 906.484 | 987.959 | 1160.612 | 1294.998 | 1348.788 |
| 57.0 | 888.585 | 970.375 | 1143.530 | 1279.203 | 1333.328 |
| 57.5 | 870.635 | 952.738 | 1126.500 | 1263.493 | 1317.617 |
| 58.0 | 852.558 | 934.986 | 1109.219 | 1247.551 | 1301.582 |
| 58.5 | 835.120 | 917.506 | 1092.190 | 1231.798 | 1285.798 |
| 59.0 | 817.358 | 899.995 | 1075.233 | 1215.972 | 1269.846 |
| 59.5 | 799.647 | 882.347 | 1058.088 | 1199.979 | 1253.486 |
| 60.0 | 782.199 | 865.077 | 1041.215 | 1184.163 | 1237.597 |
| 60.5 | 764.928 | 847.806 | 1024.322 | 1168.264 | 1221.405 |
| 61.0 | 747.386 | 830.169 | 1007.187 | 1152.008 | 1204.992 |
| 61.5 | 730.366 | 812.972 | 990.367 | 1135.963 | 1188.779 |
| 62.0 | 713.211 | 795.879 | 973.640 | 1119.938 | 1172.524 |
| 62.5 | 695.909 | 778.692 | 956.694 | 1103.609 | 1155.735 |
| 63.0 | 679.193 | 761.684 | 940.115 | 1087.500 | 1139.228 |
| 63.5 | 662.488 | 744.696 | 923.619 | 1071.329 | 1122.429 |
| 64.0 | 645.688 | 727.771 | 906.955 | 1054.896 | 1105.891 |
| 64.5 | 629.276 | 711.076 | 890.616 | 1038.661 | 1089.583 |
| 65.0 | 612.843 | 694.423 | 874.403 | 1022.437 | 1072.993 |
| 65.5 | 596.158 | 677.581 | 857.823 | 1005.858 | 1055.942 |
| 66.0 | 580.092 | 661.043 | 841.683 | 989.613 | 1039.164 |
| 66.5 | 564.025 | 644.736 | 825.595 | 973.515 | 1022.678 |
| 67.0 | 547.979 | 628.229 | 809.256 | 957.102 | 1005.858 |
| 67.5 | 532.121 | 612.162 | 793.147 | 940.816 | 989.194 |
| 68.0 | 516.484 | 596.064 | 777.175 | 924.665 | 971.945 |
| 68.5 | 500.856 | 580.123 | 761.003 | 908.452 | 954.151 |
| 69.0 | 485.459 | 564.318 | 745.177 | 892.395 | 936.870 |
| 69.5 | 470.345 | 548.659 | 729.215 | 875.722 | 919.829 |
| 70.0 | 454.885 | 532.917 | 713.043 | 858.723 | 902.130 |
| 70.5 | 439.991 | 517.625 | 697.312 | 842.227 | 884.043 |
| 71.0 | 425.023 | 502.395 | 681.663 | 825.825 | 866.061 |
| 71.5 | 410.212 | 487.124 | 666.099 | 808.911 | 847.921 |
| 72.0 | 395.768 | 472.177 | 650.650 | 791.787 | 830.180 |
| 72.5 | 381.470 | 457.481 | 635.378 | 774.778 | 811.716 |
| 73.0 | 367.078 | 442.681 | 620.138 | 757.968 | 792.320 |
| 73.5 | 353.073 | 428.299 | 605.139 | 740.980 | 773.710 |
| 74.0 | 339.162 | 413.938 | 589.774 | 723.071 | 755.163 |
| 74.5 | 325.178 | 399.787 | 574.628 | 705.350 | 735.757 |
| 75.0 | 311.707 | 386.033 | 559.629 | 688.205 | 715.723 |
| 75.5 | 298.519 | 372.510 | 544.786 | 670.767 | 695.773 |
| 76.0 | 285.058 | 358.819 | 529.494 | 651.822 | 676.221 |
| 76.5 | 272.184 | 345.631 | 514.641 | 633.599 | 656.082 |
| 77.0 | 259.498 | 332.558 | 499.988 | 615.815 | 634.719 |
| 77.5 | 246.623 | 319.453 | 484.831 | 597.059 | 613.827 |
| 78.0 | 234.325 | 306.652 | 469.937 | 577.548 | 594.201 |
| 78.5 | 222.005 | 293.892 | 455.367 | 558.896 | 572.995 |
| 79.0 | 209.905 | 281.311 | 440.137 | 540.275 | 550.491 |
| 79.5 | 197.921 | 269.138 | 425.190 | 520.461 | 530.237 |
| 80.0 | 186.292 | 257.111 | 410.579 | 500.710 | 510.402 |
| 80.5 | 174.830 | 245.116 | 395.433 | 481.775 | 488.254 |
| 81.0 | 163.453 | 233.623 | 380.308 | 462.568 | 467.592 |
| 81.5 | 152.515 | 222.120 | 365.539 | 442.786 | 449.034 |
| 82.0 | 141.524 | 210.816 | 350.100 | 424.322 | 429.178 |
| 82.5 | 130.796 | 199.731 | 335.070 | 406.130 | 409.008 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|---------|---------|---------|---------|---------|
| 83.0 | 120.297 | 188.783 | 320.206 | 386.850 | 390.587 |
| 83.5 | 109.977 | 177.813 | 304.904 | 368.731 | 372.468 |
| 84.0 | 99.970 | 167.158 | 290.752 | 351.293 | 353.743 |
| 84.5 | 90.037 | 156.733 | 276.046 | 332.872 | 336.221 |
| 85.0 | 80.313 | 146.234 | 261.382 | 315.873 | 319.411 |
| 85.5 | 70.935 | 136.019 | 247.074 | 299.293 | 302.381 |
| 86.0 | 61.577 | 126.023 | 232.598 | 282.264 | 286.178 |
| 86.5 | 52.304 | 116.110 | 218.383 | 266.605 | 270.698 |
| 87.0 | 43.323 | 106.533 | 204.012 | 250.967 | 254.966 |
| 87.5 | 34.531 | 97.176 | 190.426 | 235.288 | 240.406 |
| 88.0 | 25.822 | 87.881 | 176.421 | 221.084 | 226.401 |
| 88.5 | 17.448 | 78.660 | 163.411 | 206.336 | 211.821 |
| 89.0 | 9.546 | 69.794 | 150.191 | 192.865 | 198.915 |
| 89.5 | 0.000 | 60.792 | 137.568 | 179.206 | 185.203 |
| 90.0 | 0.000 | 52.220 | 125.039 | 166.153 | 172.863 |
| 90.5 | 0.000 | 43.721 | 113.148 | 153.739 | 160.773 |
| 91.0 | 0.000 | 35.431 | 101.540 | 141.127 | 148.453 |
| 91.5 | 0.000 | 27.633 | 90.236 | 129.383 | 137.181 |
| 92.0 | 0.000 | 20.118 | 79.298 | 118.036 | 125.562 |
| 92.5 | 0.000 | 12.969 | 68.737 | 106.512 | 114.771 |
| 93.0 | 0.000 | 6.333 | 58.647 | 95.846 | 104.011 |
| 93.5 | 0.000 | 0.000 | 49.027 | 85.348 | 93.690 |
| 94.0 | 0.000 | 0.000 | 39.576 | 75.080 | 83.715 |
| 94.5 | 0.000 | 0.000 | 30.763 | 65.345 | 73.907 |
| 95.0 | 0.000 | 0.000 | 22.242 | 55.611 | 64.529 |
| 95.5 | 0.000 | 0.000 | 13.963 | 46.180 | 55.182 |
| 96.0 | 0.000 | 0.000 | 6.866 | 37.263 | 46.306 |
| 96.5 | 0.000 | 0.000 | 0.000 | 28.774 | 37.681 |
| 97.0 | 0.000 | 0.000 | 0.000 | 20.379 | 29.486 |
| 97.5 | 0.000 | 0.000 | 0.000 | 12.707 | 21.635 |
| 98.0 | 0.000 | 0.000 | 0.000 | 6.552 | 14.225 |
| 98.5 | 0.000 | 0.000 | 0.000 | 0.000 | 7.965 |
| 99.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 99.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 101.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 101.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 103.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 103.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 104.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 104.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 106.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 106.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 108.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 108.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 109.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 109.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|-------|-------|-------|-------|-------|
| 111.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 111.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 113.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 113.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 114.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 114.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 116.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 116.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 118.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 118.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 119.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 119.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 121.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 121.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 123.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 123.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 124.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 124.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 126.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 126.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 128.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 128.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 129.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 129.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 131.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 131.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 133.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 133.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 134.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 134.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 136.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 136.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 138.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 138.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPLIA48-LED60DMVWH40.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|-------|-------|-------|-------|-------|
| 139.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 139.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 141.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 141.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 143.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 143.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 144.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 144.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 146.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 146.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 148.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 148.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 149.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 149.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 151.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 151.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 153.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 153.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 154.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 154.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 156.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 156.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 158.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 158.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 159.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 159.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 161.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 161.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 163.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 163.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 164.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 164.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 166.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 166.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPLIA48-LED60DMVWH40.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|-------|-------|-------|-------|-------|
| 167.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 168.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 168.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 169.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 169.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 171.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 171.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 173.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 173.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 174.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 174.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 176.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 176.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 178.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 178.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 179.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 179.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPLIA48-LED60DMVWH40.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 848.85 | N.A. | 12.30 |
| 0-30 | 1800.46 | N.A. | 26.10 |
| 0-40 | 2942.3 | N.A. | 42.60 |
| 0-60 | 5186.94 | N.A. | 75.20 |
| 0-80 | 6604.38 | N.A. | 95.70 |
| 0-90 | 6860.31 | N.A. | 99.40 |
| 10-90 | 6640.56 | N.A. | 96.20 |
| 20-40 | 2093.45 | N.A. | 30.30 |
| 20-50 | 3270.43 | N.A. | 47.40 |
| 40-70 | 3095.24 | N.A. | 44.90 |
| 60-80 | 1417.45 | N.A. | 20.50 |
| 70-80 | 566.84 | N.A. | 8.20 |
| 80-90 | 255.92 | N.A. | 3.70 |
| 90-110 | 39.32 | N.A. | 0.60 |
| 90-120 | 39.32 | N.A. | 0.60 |
| 90-130 | 39.32 | N.A. | 0.60 |
| 90-150 | 39.32 | N.A. | 0.60 |
| 90-180 | 39.32 | N.A. | 0.60 |
| 110-180 | 0.00 | N.A. | 0.00 |
| 0-180 | 6899.63 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|---------|
| 0-10 | 219.74 |
| 10-20 | 629.10 |
| 20-30 | 951.61 |
| 30-40 | 1141.84 |
| 40-50 | 1176.98 |
| 50-60 | 1067.66 |
| 60-70 | 850.60 |
| 70-80 | 566.84 |
| 80-90 | 255.92 |
| 90-100 | 39.32 |
| 100-110 | 0.00 |
| 110-120 | 0.00 |
| 120-130 | 0.00 |
| 130-140 | 0.00 |
| 140-150 | 0.00 |
| 150-160 | 0.00 |
| 160-170 | 0.00 |
| 170-180 | 0.00 |

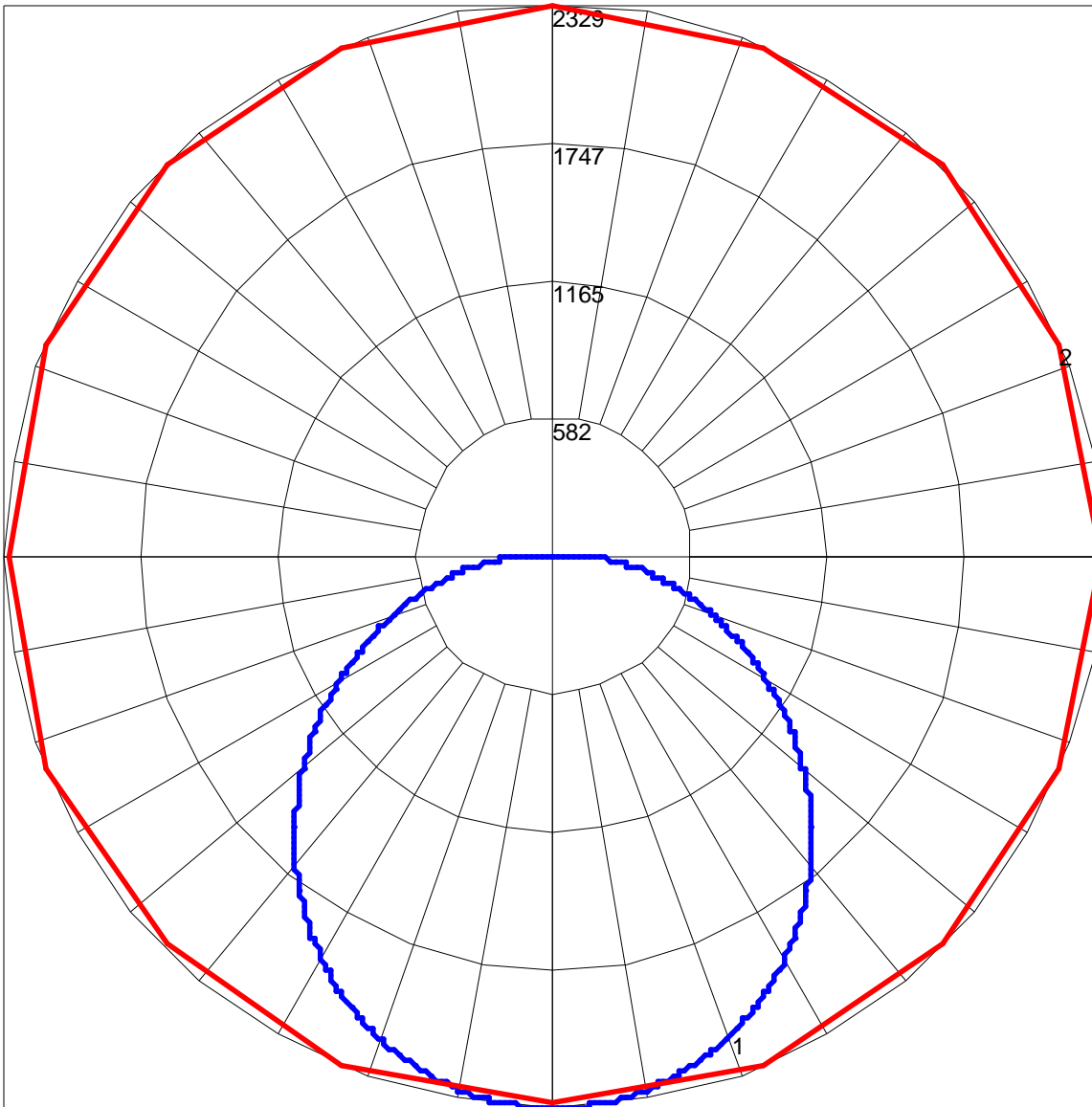
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPLIA48-LED60DMVWH40.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

| RC RW | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | | 0 |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| | 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 | 99 |
| 1 | 108 | 102 | 98 | 94 | 105 | 100 | 96 | 92 | 96 | 92 | 89 | 92 | 89 | 86 | 88 | 86 | 83 | 81 |
| 2 | 98 | 89 | 82 | 76 | 95 | 87 | 80 | 75 | 83 | 78 | 73 | 80 | 75 | 71 | 77 | 73 | 69 | 67 |
| 3 | 89 | 78 | 69 | 62 | 86 | 76 | 68 | 62 | 73 | 66 | 61 | 70 | 64 | 59 | 67 | 63 | 58 | 56 |
| 4 | 81 | 69 | 60 | 53 | 79 | 67 | 59 | 52 | 65 | 57 | 52 | 62 | 56 | 51 | 60 | 55 | 50 | 48 |
| 5 | 75 | 61 | 52 | 45 | 72 | 60 | 52 | 45 | 58 | 50 | 44 | 56 | 49 | 44 | 54 | 48 | 43 | 41 |
| 6 | 69 | 55 | 46 | 40 | 67 | 54 | 46 | 39 | 52 | 45 | 39 | 51 | 44 | 38 | 49 | 43 | 38 | 36 |
| 7 | 64 | 50 | 41 | 35 | 62 | 49 | 41 | 35 | 48 | 40 | 34 | 46 | 39 | 34 | 45 | 38 | 34 | 32 |
| 8 | 59 | 46 | 37 | 31 | 58 | 45 | 37 | 31 | 44 | 36 | 31 | 42 | 35 | 30 | 41 | 35 | 30 | 28 |
| 9 | 56 | 42 | 34 | 28 | 54 | 41 | 33 | 28 | 40 | 33 | 28 | 39 | 32 | 27 | 38 | 32 | 27 | 25 |
| 10 | 52 | 39 | 31 | 25 | 51 | 38 | 30 | 25 | 37 | 30 | 25 | 36 | 30 | 25 | 35 | 29 | 25 | 23 |

POLAR GRAPH



Maximum Candela = 2329.201 Located At Horizontal Angle = 45, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)