



Photometric Toolbox™

IES INDOOR REPORT

PHOTOMETRIC FILENAME : RG24-LED39DMV40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLI-15041-3-R01

[TESTLAB] LightLab International (www.LightLabInt.com)

[MANUFAC] Mobern Lighting Company

[LUMCAT] RG24-LED39DMV40

[LUMINAIRE] Mobern Lighting - LED 2x4 troffer luminaire. Catalog number: RG24-LED39DMV40

[ISSUEDATE] Monday, May 4, 2019 1:19:58 PM

CHARACTERISTICS

| | |
|---------------------------------|-----------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 4867 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 125 |
| Total Luminaire Watts | 39 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.24 |
| Spacing Criterion (90-270) | 1.22 |
| Spacing Criterion (Diagonal) | 1.28 |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 1.16 m |
| Luminous Width (90-270) | 0.55 m |
| Luminous Height | 0.00 m |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 2644 | 2618 | 2608 |
| 55 | 2046 | 1967 | 1855 |
| 65 | 1540 | 1230 | 1426 |
| 75 | 1355 | 1022 | 1544 |
| 85 | 1543 | 1526 | 2047 |

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CANDELA TABULATION

| | <u>0.0</u> | <u>10.0</u> | <u>20.0</u> | <u>22.5</u> | <u>30.0</u> | <u>40.0</u> | <u>45.0</u> | <u>50.0</u> | <u>60.0</u> | <u>67.5</u> |
|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 0.0 | 2136.518 | 2136.518 | 2136.518 | 2136.518 | 2136.518 | 2136.518 | 2136.518 | 2136.518 | 2136.518 | 2136.518 |
| 0.5 | 2141.807 | 2139.964 | 2136.897 | 2136.567 | 2136.937 | 2137.790 | 2137.283 | 2136.172 | 2135.295 | 2134.063 |
| 1.0 | 2140.978 | 2138.949 | 2135.802 | 2135.657 | 2135.931 | 2136.977 | 2136.188 | 2135.625 | 2134.385 | 2133.556 |
| 1.5 | 2139.634 | 2137.758 | 2135.029 | 2134.369 | 2135.126 | 2135.786 | 2135.399 | 2134.385 | 2133.153 | 2132.783 |
| 2.0 | 2139.384 | 2137.122 | 2134.047 | 2133.870 | 2134.272 | 2135.415 | 2134.876 | 2134.023 | 2132.509 | 2132.292 |
| 2.5 | 2138.474 | 2136.212 | 2133.105 | 2133.081 | 2133.443 | 2134.586 | 2133.838 | 2132.864 | 2132.115 | 2131.712 |
| 3.0 | 2137.911 | 2135.383 | 2132.139 | 2131.849 | 2132.268 | 2133.475 | 2132.566 | 2132.131 | 2130.875 | 2130.594 |
| 3.5 | 2136.132 | 2134.337 | 2131.221 | 2131.028 | 2131.302 | 2132.590 | 2131.809 | 2131.286 | 2130.038 | 2129.869 |
| 4.0 | 2134.949 | 2133.194 | 2130.392 | 2129.909 | 2130.231 | 2131.479 | 2130.569 | 2130.384 | 2129.676 | 2129.458 |
| 4.5 | 2134.200 | 2131.382 | 2128.597 | 2128.549 | 2128.782 | 2129.990 | 2129.829 | 2129.217 | 2128.420 | 2127.977 |
| 5.0 | 2132.574 | 2130.433 | 2126.874 | 2126.955 | 2127.333 | 2128.412 | 2128.106 | 2127.180 | 2126.770 | 2126.915 |
| 5.5 | 2130.795 | 2128.404 | 2125.240 | 2125.256 | 2125.570 | 2126.955 | 2126.617 | 2125.651 | 2125.120 | 2124.822 |
| 6.0 | 2129.354 | 2126.448 | 2123.188 | 2122.841 | 2123.928 | 2124.789 | 2124.379 | 2123.606 | 2123.260 | 2122.994 |
| 6.5 | 2127.180 | 2124.371 | 2121.441 | 2120.974 | 2121.586 | 2122.471 | 2122.141 | 2121.449 | 2120.620 | 2120.595 |
| 7.0 | 2124.894 | 2122.012 | 2118.478 | 2118.663 | 2118.953 | 2120.555 | 2120.459 | 2119.154 | 2118.084 | 2117.955 |
| 7.5 | 2122.415 | 2118.913 | 2116.265 | 2115.765 | 2116.554 | 2118.414 | 2117.802 | 2116.313 | 2115.886 | 2115.588 |
| 8.0 | 2118.985 | 2116.136 | 2113.697 | 2113.020 | 2113.874 | 2115.435 | 2115.121 | 2113.874 | 2113.334 | 2112.996 |
| 8.5 | 2115.943 | 2113.503 | 2110.686 | 2110.267 | 2111.612 | 2112.859 | 2111.990 | 2110.903 | 2110.308 | 2109.905 |
| 9.0 | 2112.336 | 2110.187 | 2107.909 | 2107.715 | 2108.255 | 2109.688 | 2108.947 | 2108.094 | 2107.104 | 2106.258 |
| 9.5 | 2108.440 | 2106.814 | 2104.954 | 2104.729 | 2105.574 | 2106.387 | 2105.639 | 2104.737 | 2103.690 | 2102.580 |
| 10.0 | 2104.713 | 2102.910 | 2101.348 | 2101.195 | 2102.225 | 2102.571 | 2101.783 | 2101.372 | 2100.012 | 2098.828 |
| 10.5 | 2101.179 | 2099.295 | 2097.709 | 2097.854 | 2098.635 | 2099.110 | 2098.257 | 2097.468 | 2096.325 | 2095.133 |
| 11.0 | 2097.902 | 2094.948 | 2093.403 | 2093.668 | 2094.755 | 2095.592 | 2094.481 | 2093.733 | 2092.050 | 2090.794 |
| 11.5 | 2093.684 | 2091.004 | 2089.080 | 2089.748 | 2090.818 | 2091.028 | 2090.335 | 2089.450 | 2087.446 | 2086.649 |
| 12.0 | 2089.047 | 2086.576 | 2085.481 | 2085.634 | 2086.270 | 2086.536 | 2086.029 | 2085.240 | 2082.463 | 2082.108 |
| 12.5 | 2084.483 | 2082.197 | 2080.909 | 2080.957 | 2081.118 | 2082.092 | 2081.489 | 2080.120 | 2077.786 | 2076.981 |
| 13.0 | 2078.969 | 2077.174 | 2076.361 | 2076.296 | 2075.910 | 2077.270 | 2076.989 | 2075.346 | 2072.553 | 2071.684 |
| 13.5 | 2074.219 | 2072.094 | 2071.096 | 2070.951 | 2071.346 | 2072.118 | 2071.490 | 2070.283 | 2067.055 | 2066.210 |
| 14.0 | 2069.132 | 2066.757 | 2066.387 | 2065.767 | 2065.984 | 2066.709 | 2066.057 | 2064.817 | 2061.033 | 2060.921 |
| 14.5 | 2063.754 | 2061.307 | 2060.695 | 2060.486 | 2060.406 | 2060.800 | 2060.293 | 2058.876 | 2055.648 | 2054.521 |
| 15.0 | 2058.232 | 2055.712 | 2054.859 | 2054.545 | 2054.996 | 2054.996 | 2054.263 | 2052.686 | 2049.361 | 2048.757 |
| 15.5 | 2052.629 | 2050.021 | 2048.910 | 2048.725 | 2049.224 | 2048.918 | 2047.679 | 2045.883 | 2042.993 | 2042.052 |
| 16.0 | 2046.302 | 2044.056 | 2042.382 | 2042.454 | 2043.380 | 2042.092 | 2041.094 | 2038.952 | 2036.497 | 2035.491 |
| 16.5 | 2040.425 | 2038.019 | 2036.489 | 2036.489 | 2037.012 | 2035.330 | 2034.316 | 2032.311 | 2029.550 | 2028.254 |
| 17.0 | 2034.042 | 2031.168 | 2029.630 | 2030.065 | 2030.427 | 2028.632 | 2026.789 | 2024.897 | 2022.144 | 2020.614 |
| 17.5 | 2027.191 | 2024.591 | 2023.070 | 2023.279 | 2023.279 | 2021.532 | 2019.536 | 2017.724 | 2014.488 | 2012.782 |
| 18.0 | 2020.478 | 2017.781 | 2016.324 | 2015.865 | 2016.106 | 2013.788 | 2012.001 | 2010.149 | 2006.825 | 2005.014 |
| 18.5 | 2013.482 | 2010.737 | 2009.264 | 2008.435 | 2008.531 | 2006.189 | 2004.426 | 2002.107 | 1999.113 | 1997.036 |
| 19.0 | 2006.326 | 2003.404 | 2001.327 | 2000.626 | 2000.457 | 1998.131 | 1996.263 | 1993.985 | 1991.522 | 1988.616 |
| 19.5 | 1998.638 | 1995.716 | 1993.663 | 1992.947 | 1992.423 | 1990.129 | 1988.028 | 1985.347 | 1982.514 | 1980.131 |
| 20.0 | 1990.387 | 1988.133 | 1985.524 | 1984.905 | 1984.075 | 1981.419 | 1979.366 | 1977.273 | 1973.546 | 1971.115 |
| 20.5 | 1981.797 | 1979.753 | 1977.338 | 1976.814 | 1975.631 | 1973.023 | 1970.133 | 1968.088 | 1963.991 | 1961.463 |
| 21.0 | 1973.087 | 1971.767 | 1968.958 | 1968.426 | 1967.170 | 1964.264 | 1961.479 | 1958.597 | 1954.653 | 1951.932 |
| 21.5 | 1964.248 | 1962.856 | 1959.652 | 1959.523 | 1957.929 | 1954.709 | 1951.618 | 1948.776 | 1945.138 | 1942.481 |
| 22.0 | 1955.240 | 1953.719 | 1950.201 | 1949.976 | 1948.744 | 1945.009 | 1941.258 | 1938.810 | 1934.640 | 1932.411 |
| 22.5 | 1946.490 | 1944.317 | 1940.775 | 1940.364 | 1938.561 | 1935.131 | 1931.573 | 1928.635 | 1924.578 | 1922.171 |
| 23.0 | 1937.160 | 1934.584 | 1930.945 | 1930.068 | 1928.603 | 1924.964 | 1921.752 | 1918.379 | 1914.089 | 1912.044 |
| 23.5 | 1927.452 | 1924.183 | 1920.891 | 1920.070 | 1918.412 | 1914.129 | 1911.167 | 1907.528 | 1902.956 | 1901.652 |
| 24.0 | 1916.938 | 1914.201 | 1910.990 | 1909.967 | 1907.794 | 1903.318 | 1900.042 | 1896.677 | 1892.169 | 1890.494 |
| 24.5 | 1906.586 | 1903.237 | 1900.404 | 1899.518 | 1897.095 | 1892.048 | 1888.957 | 1885.576 | 1880.939 | 1879.144 |
| 25.0 | 1895.912 | 1892.748 | 1889.440 | 1888.731 | 1885.423 | 1880.593 | 1877.091 | 1873.935 | 1869.331 | 1867.713 |
| 25.5 | 1885.262 | 1882.517 | 1878.637 | 1877.526 | 1873.960 | 1868.808 | 1865.362 | 1861.860 | 1857.707 | 1855.686 |
| 26.0 | 1874.571 | 1871.053 | 1866.900 | 1865.781 | 1862.134 | 1856.459 | 1853.343 | 1849.874 | 1845.688 | 1843.844 |
| 26.5 | 1862.778 | 1859.397 | 1855.292 | 1853.609 | 1850.019 | 1844.030 | 1840.343 | 1837.445 | 1833.500 | 1832.051 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 27.0 | 1851.403 | 1847.612 | 1843.289 | 1841.405 | 1837.469 | 1831.568 | 1828.139 | 1824.396 | 1821.015 | 1820.033 |
| 27.5 | 1838.717 | 1835.650 | 1830.457 | 1828.622 | 1824.814 | 1818.374 | 1815.508 | 1811.886 | 1808.376 | 1807.483 |
| 28.0 | 1825.885 | 1822.697 | 1816.949 | 1815.364 | 1811.371 | 1805.156 | 1802.564 | 1799.119 | 1795.231 | 1794.361 |
| 28.5 | 1812.860 | 1809.785 | 1803.868 | 1801.904 | 1797.621 | 1791.544 | 1788.960 | 1785.506 | 1781.835 | 1781.360 |
| 29.0 | 1800.141 | 1796.358 | 1789.797 | 1788.219 | 1784.130 | 1777.504 | 1774.945 | 1772.006 | 1768.835 | 1767.997 |
| 29.5 | 1786.480 | 1782.270 | 1775.677 | 1774.228 | 1770.098 | 1763.876 | 1760.833 | 1758.096 | 1755.109 | 1753.580 |
| 30.0 | 1772.610 | 1768.448 | 1761.807 | 1760.141 | 1755.769 | 1749.507 | 1746.576 | 1743.662 | 1740.909 | 1739.726 |
| 30.5 | 1757.975 | 1753.926 | 1746.971 | 1745.482 | 1741.191 | 1735.129 | 1732.135 | 1729.655 | 1726.749 | 1725.437 |
| 31.0 | 1743.807 | 1738.760 | 1731.652 | 1730.243 | 1726.057 | 1720.357 | 1717.379 | 1715.101 | 1711.961 | 1711.470 |
| 31.5 | 1728.424 | 1723.545 | 1716.574 | 1714.851 | 1711.028 | 1705.328 | 1702.205 | 1700.538 | 1697.584 | 1697.077 |
| 32.0 | 1713.370 | 1708.266 | 1700.482 | 1699.226 | 1695.121 | 1690.009 | 1687.473 | 1685.123 | 1682.345 | 1682.313 |
| 32.5 | 1697.165 | 1692.464 | 1684.366 | 1682.764 | 1679.230 | 1674.223 | 1671.921 | 1669.683 | 1667.388 | 1667.075 |
| 33.0 | 1681.186 | 1676.565 | 1668.322 | 1666.736 | 1662.663 | 1658.348 | 1656.432 | 1653.752 | 1651.369 | 1651.449 |
| 33.5 | 1665.505 | 1660.425 | 1651.321 | 1650.025 | 1645.662 | 1642.329 | 1640.453 | 1637.418 | 1635.349 | 1635.438 |
| 34.0 | 1648.334 | 1643.303 | 1634.464 | 1632.540 | 1628.918 | 1625.223 | 1624.192 | 1621.375 | 1618.927 | 1619.507 |
| 34.5 | 1630.463 | 1625.915 | 1616.690 | 1615.241 | 1612.198 | 1608.954 | 1607.199 | 1604.244 | 1601.692 | 1602.844 |
| 35.0 | 1612.842 | 1608.567 | 1598.899 | 1597.080 | 1594.472 | 1591.010 | 1589.947 | 1587.219 | 1584.683 | 1585.995 |
| 35.5 | 1595.132 | 1590.439 | 1580.867 | 1578.774 | 1576.641 | 1573.131 | 1571.859 | 1569.283 | 1566.941 | 1568.599 |
| 36.0 | 1576.552 | 1571.642 | 1562.634 | 1560.839 | 1558.665 | 1555.196 | 1553.360 | 1551.436 | 1548.828 | 1550.253 |
| 36.5 | 1557.651 | 1552.926 | 1543.386 | 1541.841 | 1539.860 | 1536.729 | 1535.119 | 1532.253 | 1530.208 | 1532.012 |
| 37.0 | 1538.524 | 1533.742 | 1523.905 | 1523.157 | 1521.233 | 1518.021 | 1515.928 | 1513.368 | 1510.985 | 1512.611 |
| 37.5 | 1519.494 | 1514.334 | 1505.197 | 1503.595 | 1502.041 | 1498.709 | 1496.656 | 1494.201 | 1491.544 | 1493.420 |
| 38.0 | 1499.031 | 1494.338 | 1485.225 | 1484.018 | 1482.311 | 1478.318 | 1476.531 | 1474.333 | 1471.637 | 1474.229 |
| 38.5 | 1478.761 | 1473.681 | 1464.947 | 1463.659 | 1462.468 | 1458.201 | 1456.205 | 1453.597 | 1451.246 | 1453.854 |
| 39.0 | 1457.976 | 1453.347 | 1444.403 | 1443.446 | 1441.819 | 1437.641 | 1435.162 | 1432.699 | 1430.630 | 1433.705 |
| 39.5 | 1436.949 | 1432.159 | 1423.860 | 1422.741 | 1421.429 | 1416.945 | 1414.755 | 1411.535 | 1410.119 | 1412.928 |
| 40.0 | 1415.657 | 1410.883 | 1402.471 | 1401.972 | 1400.547 | 1395.894 | 1393.527 | 1390.219 | 1389.036 | 1391.724 |
| 40.5 | 1393.592 | 1389.084 | 1381.686 | 1380.656 | 1378.860 | 1374.175 | 1372.026 | 1369.096 | 1368.194 | 1371.020 |
| 41.0 | 1371.937 | 1367.478 | 1360.112 | 1359.162 | 1357.472 | 1352.851 | 1350.146 | 1347.610 | 1347.248 | 1349.687 |
| 41.5 | 1350.017 | 1345.050 | 1338.079 | 1337.322 | 1335.101 | 1330.697 | 1327.936 | 1325.956 | 1325.167 | 1327.703 |
| 42.0 | 1326.801 | 1322.438 | 1315.853 | 1315.233 | 1312.987 | 1308.286 | 1306.394 | 1304.197 | 1303.923 | 1306.185 |
| 42.5 | 1304.108 | 1299.793 | 1293.772 | 1292.983 | 1290.737 | 1286.213 | 1284.345 | 1282.679 | 1282.333 | 1284.289 |
| 43.0 | 1280.441 | 1276.899 | 1271.023 | 1270.902 | 1267.931 | 1264.092 | 1262.216 | 1261.008 | 1260.348 | 1261.781 |
| 43.5 | 1257.531 | 1253.844 | 1248.909 | 1248.515 | 1245.697 | 1241.729 | 1240.376 | 1239.322 | 1238.291 | 1238.694 |
| 44.0 | 1234.049 | 1230.523 | 1226.353 | 1225.749 | 1223.157 | 1219.736 | 1218.416 | 1217.852 | 1216.556 | 1215.832 |
| 44.5 | 1210.245 | 1207.661 | 1203.378 | 1203.000 | 1200.488 | 1197.719 | 1196.641 | 1196.190 | 1194.081 | 1192.632 |
| 45.0 | 1186.844 | 1184.203 | 1180.500 | 1180.541 | 1178.150 | 1175.598 | 1175.050 | 1174.898 | 1171.589 | 1169.568 |
| 45.5 | 1163.281 | 1160.496 | 1157.695 | 1157.679 | 1155.521 | 1153.468 | 1153.919 | 1153.042 | 1148.799 | 1146.240 |
| 46.0 | 1139.405 | 1137.006 | 1134.905 | 1134.945 | 1133.005 | 1131.411 | 1132.297 | 1131.492 | 1126.018 | 1121.993 |
| 46.5 | 1115.609 | 1113.339 | 1112.462 | 1112.494 | 1110.900 | 1109.596 | 1110.659 | 1110.039 | 1102.890 | 1097.779 |
| 47.0 | 1092.715 | 1090.187 | 1089.398 | 1089.334 | 1088.328 | 1088.046 | 1089.568 | 1088.094 | 1079.674 | 1072.944 |
| 47.5 | 1068.984 | 1067.245 | 1066.351 | 1066.424 | 1065.723 | 1066.239 | 1067.663 | 1065.876 | 1055.476 | 1047.772 |
| 48.0 | 1046.057 | 1044.206 | 1043.924 | 1044.021 | 1043.224 | 1045.180 | 1045.767 | 1043.948 | 1031.044 | 1022.624 |
| 48.5 | 1022.567 | 1021.344 | 1021.038 | 1021.344 | 1020.539 | 1022.922 | 1024.097 | 1020.853 | 1006.596 | 996.421 |
| 49.0 | 1000.108 | 998.546 | 997.942 | 998.208 | 997.733 | 1001.154 | 1001.734 | 997.733 | 981.577 | 969.663 |
| 49.5 | 977.705 | 975.837 | 975.813 | 975.298 | 975.563 | 978.993 | 979.387 | 974.807 | 956.082 | 943.041 |
| 50.0 | 955.116 | 953.514 | 952.846 | 952.371 | 952.653 | 956.839 | 956.654 | 950.794 | 930.137 | 916.259 |
| 50.5 | 933.502 | 931.305 | 929.654 | 929.389 | 929.429 | 934.114 | 933.357 | 926.692 | 904.152 | 889.098 |
| 51.0 | 911.413 | 908.926 | 906.752 | 906.607 | 906.824 | 911.421 | 909.400 | 902.300 | 878.150 | 862.719 |
| 51.5 | 889.678 | 887.287 | 883.971 | 883.777 | 883.930 | 888.229 | 885.790 | 877.893 | 852.374 | 836.789 |
| 52.0 | 868.627 | 865.045 | 861.052 | 860.642 | 860.923 | 864.948 | 862.195 | 853.348 | 826.735 | 810.659 |
| 52.5 | 847.182 | 843.680 | 838.794 | 837.345 | 837.490 | 841.346 | 837.949 | 827.943 | 801.297 | 785.809 |
| 53.0 | 826.534 | 822.114 | 815.666 | 814.588 | 814.491 | 817.775 | 813.453 | 803.462 | 776.584 | 761.828 |
| 53.5 | 805.773 | 800.621 | 792.523 | 791.355 | 791.508 | 793.794 | 788.828 | 778.475 | 752.071 | 737.807 |
| 54.0 | 784.988 | 779.490 | 770.417 | 768.743 | 768.405 | 770.160 | 764.782 | 754.164 | 728.581 | 715.379 |
| 54.5 | 765.144 | 758.342 | 747.958 | 746.090 | 745.285 | 745.961 | 740.600 | 729.894 | 705.486 | 693.427 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 55.0 | 744.850 | 737.477 | 725.522 | 723.542 | 721.819 | 722.262 | 716.249 | 706.275 | 683.171 | 671.756 |
| 55.5 | 725.192 | 716.820 | 703.538 | 701.541 | 699.014 | 698.313 | 692.389 | 682.841 | 661.316 | 651.317 |
| 56.0 | 705.341 | 696.422 | 681.650 | 679.162 | 676.192 | 674.856 | 668.987 | 659.826 | 640.579 | 631.225 |
| 56.5 | 686.077 | 675.999 | 660.350 | 657.613 | 653.982 | 651.253 | 646.431 | 637.552 | 620.108 | 611.897 |
| 57.0 | 667.329 | 656.300 | 639.347 | 636.393 | 631.997 | 628.802 | 623.489 | 616.147 | 600.433 | 593.631 |
| 57.5 | 648.339 | 636.844 | 618.473 | 615.600 | 610.262 | 606.640 | 601.504 | 594.629 | 581.798 | 575.712 |
| 58.0 | 629.929 | 617.652 | 598.043 | 594.718 | 588.849 | 584.623 | 579.801 | 573.675 | 562.832 | 558.461 |
| 58.5 | 611.695 | 598.823 | 578.602 | 574.915 | 567.919 | 562.848 | 558.912 | 553.760 | 544.824 | 541.644 |
| 59.0 | 594.275 | 580.759 | 559.298 | 555.345 | 547.835 | 542.151 | 538.505 | 533.948 | 527.412 | 525.005 |
| 59.5 | 576.952 | 562.574 | 540.075 | 536.050 | 527.863 | 521.503 | 518.380 | 514.830 | 510.354 | 509.307 |
| 60.0 | 559.894 | 544.896 | 521.978 | 517.414 | 508.688 | 501.829 | 498.859 | 496.218 | 493.900 | 494.133 |
| 60.5 | 543.729 | 528.201 | 504.083 | 499.350 | 489.995 | 482.557 | 479.788 | 477.784 | 477.832 | 479.015 |
| 61.0 | 527.396 | 511.183 | 486.808 | 482.139 | 471.827 | 463.938 | 461.394 | 459.816 | 462.110 | 465.113 |
| 61.5 | 511.586 | 494.946 | 470.072 | 465.218 | 454.447 | 445.592 | 443.225 | 442.798 | 446.831 | 451.186 |
| 62.0 | 496.444 | 479.378 | 454.165 | 449.254 | 437.518 | 428.035 | 425.845 | 425.571 | 432.454 | 437.912 |
| 62.5 | 481.551 | 463.994 | 438.789 | 433.380 | 421.442 | 410.856 | 408.288 | 408.723 | 418.037 | 425.153 |
| 63.0 | 466.803 | 449.254 | 423.712 | 418.681 | 405.664 | 394.361 | 391.463 | 392.639 | 404.239 | 413.126 |
| 63.5 | 453.046 | 435.312 | 409.262 | 404.231 | 390.691 | 378.221 | 375.621 | 376.869 | 391.463 | 401.655 |
| 64.0 | 439.079 | 421.289 | 395.762 | 390.610 | 376.152 | 362.846 | 360.020 | 361.815 | 378.189 | 390.650 |
| 64.5 | 425.595 | 408.465 | 382.456 | 377.231 | 362.113 | 347.647 | 344.725 | 347.148 | 366.001 | 379.952 |
| 65.0 | 413.046 | 395.641 | 369.745 | 364.737 | 348.935 | 333.302 | 330.002 | 332.900 | 354.353 | 370.203 |
| 65.5 | 400.286 | 383.116 | 358.008 | 352.582 | 336.055 | 319.030 | 316.027 | 319.569 | 343.115 | 360.592 |
| 66.0 | 388.099 | 371.355 | 346.359 | 341.103 | 323.940 | 306.045 | 302.414 | 306.568 | 332.682 | 351.696 |
| 66.5 | 376.515 | 359.956 | 335.822 | 329.865 | 312.380 | 293.173 | 289.261 | 294.139 | 322.773 | 343.276 |
| 67.0 | 364.866 | 349.145 | 325.027 | 319.126 | 301.030 | 280.800 | 277.065 | 282.458 | 312.952 | 335.444 |
| 67.5 | 352.984 | 338.961 | 315.399 | 309.120 | 290.492 | 268.951 | 265.336 | 270.923 | 304.226 | 327.530 |
| 68.0 | 342.375 | 328.665 | 305.803 | 300.088 | 280.631 | 257.648 | 254.420 | 260.860 | 295.604 | 320.390 |
| 68.5 | 331.362 | 319.126 | 297.029 | 291.120 | 270.552 | 246.894 | 243.746 | 250.975 | 287.659 | 313.153 |
| 69.0 | 320.768 | 309.772 | 288.198 | 282.346 | 261.569 | 236.879 | 233.973 | 241.951 | 280.116 | 306.367 |
| 69.5 | 311.261 | 301.191 | 280.414 | 274.239 | 252.955 | 227.163 | 224.716 | 233.378 | 272.887 | 300.160 |
| 70.0 | 300.724 | 292.779 | 272.613 | 266.407 | 244.132 | 218.445 | 216.183 | 225.561 | 266.157 | 294.042 |
| 70.5 | 291.603 | 284.986 | 265.449 | 259.162 | 236.461 | 210.338 | 208.567 | 218.026 | 259.798 | 288.069 |
| 71.0 | 282.410 | 277.194 | 258.494 | 251.466 | 228.805 | 202.949 | 201.661 | 211.787 | 253.937 | 282.241 |
| 71.5 | 273.893 | 269.933 | 251.748 | 245.026 | 221.407 | 196.018 | 195.084 | 205.702 | 248.165 | 276.582 |
| 72.0 | 265.070 | 262.889 | 245.412 | 238.538 | 214.533 | 189.859 | 189.682 | 200.558 | 242.611 | 270.947 |
| 72.5 | 257.222 | 256.328 | 238.948 | 232.146 | 208.068 | 184.120 | 184.651 | 195.985 | 237.692 | 265.505 |
| 73.0 | 249.397 | 250.250 | 232.887 | 226.221 | 201.814 | 179.121 | 180.481 | 191.654 | 232.452 | 259.935 |
| 73.5 | 242.128 | 243.674 | 226.962 | 220.119 | 195.929 | 174.854 | 176.786 | 187.581 | 227.614 | 254.243 |
| 74.0 | 235.132 | 237.451 | 221.286 | 214.243 | 190.205 | 170.910 | 173.413 | 184.224 | 222.566 | 248.681 |
| 74.5 | 228.105 | 231.228 | 215.152 | 208.358 | 185.021 | 167.424 | 170.290 | 181.012 | 217.688 | 242.852 |
| 75.0 | 222.607 | 225.513 | 209.356 | 202.723 | 180.368 | 164.566 | 167.810 | 177.688 | 212.440 | 236.984 |
| 75.5 | 216.328 | 219.338 | 203.327 | 196.790 | 175.216 | 161.684 | 165.436 | 174.774 | 207.118 | 231.059 |
| 76.0 | 209.960 | 212.987 | 197.233 | 191.059 | 170.539 | 159.277 | 163.165 | 172.045 | 202.039 | 224.877 |
| 76.5 | 204.961 | 207.408 | 191.212 | 185.367 | 166.233 | 157.152 | 160.976 | 169.332 | 196.541 | 219.266 |
| 77.0 | 199.246 | 201.081 | 184.884 | 179.257 | 161.910 | 154.826 | 158.666 | 166.450 | 191.236 | 213.027 |
| 77.5 | 193.176 | 194.206 | 178.155 | 173.188 | 157.724 | 152.652 | 156.734 | 164.051 | 185.786 | 206.877 |
| 78.0 | 187.589 | 187.903 | 171.827 | 166.860 | 153.827 | 150.261 | 154.278 | 160.984 | 180.449 | 200.831 |
| 78.5 | 182.188 | 181.061 | 164.864 | 160.678 | 150.285 | 147.750 | 151.839 | 157.530 | 174.613 | 194.730 |
| 79.0 | 176.239 | 174.339 | 158.126 | 154.319 | 146.116 | 144.884 | 148.635 | 154.488 | 169.195 | 188.442 |
| 79.5 | 169.734 | 166.973 | 151.541 | 148.474 | 142.501 | 141.736 | 145.335 | 150.841 | 163.640 | 182.767 |
| 80.0 | 163.970 | 159.704 | 144.610 | 141.704 | 138.106 | 138.508 | 141.841 | 146.703 | 158.480 | 176.778 |
| 80.5 | 156.999 | 152.378 | 138.066 | 135.296 | 133.936 | 134.427 | 137.969 | 142.163 | 152.878 | 170.821 |
| 81.0 | 149.505 | 145.238 | 131.030 | 129.082 | 129.178 | 130.201 | 133.139 | 137.776 | 147.814 | 164.945 |
| 81.5 | 142.380 | 137.615 | 124.332 | 122.803 | 124.936 | 125.516 | 128.389 | 132.825 | 142.066 | 159.020 |
| 82.0 | 134.950 | 130.217 | 117.353 | 116.113 | 119.647 | 120.283 | 123.157 | 127.504 | 136.955 | 152.982 |
| 82.5 | 126.425 | 122.940 | 111.010 | 109.279 | 114.374 | 114.946 | 117.498 | 121.507 | 131.328 | 146.542 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RG24-LED39DMV40.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 83.0 | 118.697 | 115.534 | 104.159 | 103.201 | 108.353 | 109.351 | 111.581 | 115.590 | 126.071 | 140.118 |
| 83.5 | 109.665 | 108.329 | 97.848 | 96.978 | 101.929 | 102.605 | 105.205 | 109.134 | 120.468 | 133.364 |
| 84.0 | 102.002 | 101.011 | 91.690 | 90.772 | 95.706 | 96.149 | 98.556 | 102.452 | 114.439 | 126.530 |
| 84.5 | 93.694 | 93.742 | 85.056 | 84.485 | 88.461 | 89.001 | 91.215 | 95.626 | 108.071 | 118.882 |
| 85.0 | 85.338 | 86.232 | 78.278 | 77.940 | 81.345 | 81.530 | 84.412 | 88.300 | 101.430 | 110.993 |
| 85.5 | 77.312 | 78.705 | 72.023 | 71.669 | 73.762 | 73.931 | 76.974 | 80.709 | 94.153 | 102.098 |
| 86.0 | 69.077 | 71.251 | 65.197 | 64.778 | 66.574 | 66.091 | 69.053 | 73.408 | 86.175 | 92.092 |
| 86.5 | 60.641 | 63.112 | 57.871 | 57.662 | 58.532 | 57.960 | 61.502 | 65.873 | 77.674 | 82.247 |
| 87.0 | 51.931 | 54.812 | 50.321 | 50.248 | 50.747 | 50.168 | 53.524 | 57.984 | 68.699 | 71.951 |
| 87.5 | 43.406 | 46.642 | 42.649 | 42.544 | 42.496 | 42.303 | 45.547 | 49.789 | 59.329 | 61.945 |
| 88.0 | 34.446 | 38.077 | 34.993 | 34.696 | 35.114 | 34.663 | 37.924 | 41.619 | 50.168 | 52.502 |
| 88.5 | 26.340 | 29.721 | 27.314 | 27.402 | 27.934 | 27.225 | 30.510 | 34.060 | 41.635 | 43.752 |
| 89.0 | 18.322 | 21.703 | 20.423 | 20.149 | 21.413 | 20.801 | 23.739 | 27.096 | 32.957 | 35.388 |
| 89.5 | 12.188 | 14.860 | 14.088 | 13.790 | 15.013 | 14.659 | 17.477 | 20.222 | 24.641 | 27.547 |
| 90.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

Vert. Horizontal Angles
Angles

| | <u>70.0</u> | <u>80.0</u> | <u>90.0</u> |
|------|-------------|-------------|-------------|
| 0.0 | 2136.518 | 2136.518 | 2136.518 |
| 0.5 | 2133.870 | 2132.703 | 2130.779 |
| 1.0 | 2133.403 | 2131.914 | 2129.563 |
| 1.5 | 2132.212 | 2131.149 | 2128.605 |
| 2.0 | 2131.857 | 2130.255 | 2128.203 |
| 2.5 | 2131.238 | 2130.078 | 2127.712 |
| 3.0 | 2130.457 | 2129.056 | 2126.963 |
| 3.5 | 2129.925 | 2128.291 | 2125.570 |
| 4.0 | 2129.040 | 2127.945 | 2124.967 |
| 4.5 | 2127.776 | 2127.084 | 2124.387 |
| 5.0 | 2126.649 | 2125.490 | 2122.705 |
| 5.5 | 2124.910 | 2123.188 | 2120.306 |
| 6.0 | 2122.648 | 2121.320 | 2117.834 |
| 6.5 | 2120.314 | 2118.913 | 2115.411 |
| 7.0 | 2117.891 | 2116.393 | 2113.101 |
| 7.5 | 2115.315 | 2113.713 | 2110.726 |
| 8.0 | 2112.674 | 2111.370 | 2108.448 |
| 8.5 | 2109.792 | 2108.134 | 2105.244 |
| 9.0 | 2106.154 | 2104.809 | 2101.380 |
| 9.5 | 2102.604 | 2101.275 | 2097.564 |
| 10.0 | 2098.965 | 2097.846 | 2093.845 |
| 10.5 | 2094.860 | 2093.805 | 2090.078 |
| 11.0 | 2090.335 | 2088.959 | 2085.771 |
| 11.5 | 2086.343 | 2084.564 | 2080.828 |
| 12.0 | 2082.004 | 2079.653 | 2075.854 |
| 12.5 | 2076.852 | 2074.115 | 2070.750 |
| 13.0 | 2070.846 | 2069.164 | 2064.648 |
| 13.5 | 2065.630 | 2063.682 | 2059.472 |
| 14.0 | 2060.100 | 2057.483 | 2053.748 |
| 14.5 | 2054.239 | 2051.269 | 2047.759 |
| 15.0 | 2048.121 | 2045.264 | 2041.923 |
| 15.5 | 2041.496 | 2038.985 | 2035.282 |
| 16.0 | 2034.380 | 2032.190 | 2028.431 |
| 16.5 | 2027.425 | 2025.098 | 2021.283 |
| 17.0 | 2020.067 | 2017.853 | 2013.603 |
| 17.5 | 2011.953 | 2010.005 | 2006.124 |
| 18.0 | 2004.136 | 2001.761 | 1997.897 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RG24-LED39DMV40.IES

CANDELA TABULATION - (Cont.)

| | | | |
|------|----------|----------|----------|
| 18.5 | 1995.820 | 1993.478 | 1989.574 |
| 19.0 | 1987.891 | 1985.202 | 1981.000 |
| 19.5 | 1979.270 | 1976.855 | 1972.387 |
| 20.0 | 1970.334 | 1967.758 | 1963.065 |
| 20.5 | 1960.706 | 1958.203 | 1953.735 |
| 21.0 | 1951.545 | 1948.382 | 1944.317 |
| 21.5 | 1941.612 | 1938.931 | 1934.657 |
| 22.0 | 1931.404 | 1929.432 | 1925.286 |
| 22.5 | 1921.358 | 1919.450 | 1914.902 |
| 23.0 | 1911.142 | 1909.138 | 1904.203 |
| 23.5 | 1900.589 | 1898.134 | 1893.110 |
| 24.0 | 1889.874 | 1887.387 | 1882.887 |
| 24.5 | 1878.757 | 1876.262 | 1872.494 |
| 25.0 | 1867.383 | 1864.855 | 1861.289 |
| 25.5 | 1855.670 | 1853.553 | 1850.019 |
| 26.0 | 1844.183 | 1841.647 | 1838.097 |
| 26.5 | 1831.947 | 1829.403 | 1826.167 |
| 27.0 | 1819.413 | 1816.635 | 1813.609 |
| 27.5 | 1806.879 | 1803.989 | 1800.463 |
| 28.0 | 1793.975 | 1791.350 | 1788.106 |
| 28.5 | 1780.684 | 1778.108 | 1774.816 |
| 29.0 | 1767.096 | 1765.317 | 1761.807 |
| 29.5 | 1753.540 | 1751.865 | 1748.621 |
| 30.0 | 1740.160 | 1738.510 | 1734.872 |
| 30.5 | 1725.799 | 1724.729 | 1721.629 |
| 31.0 | 1711.631 | 1711.197 | 1707.131 |
| 31.5 | 1696.642 | 1696.964 | 1693.084 |
| 32.0 | 1682.265 | 1682.281 | 1678.401 |
| 32.5 | 1666.954 | 1666.970 | 1664.193 |
| 33.0 | 1651.401 | 1651.820 | 1649.445 |
| 33.5 | 1635.913 | 1636.541 | 1634.086 |
| 34.0 | 1619.394 | 1620.505 | 1618.734 |
| 34.5 | 1603.182 | 1604.252 | 1602.248 |
| 35.0 | 1586.019 | 1587.702 | 1586.430 |
| 35.5 | 1568.591 | 1570.619 | 1569.114 |
| 36.0 | 1550.953 | 1553.207 | 1551.903 |
| 36.5 | 1532.929 | 1534.805 | 1534.572 |
| 37.0 | 1513.923 | 1517.143 | 1516.177 |
| 37.5 | 1494.933 | 1497.976 | 1497.485 |
| 38.0 | 1475.098 | 1478.696 | 1478.254 |
| 38.5 | 1455.215 | 1458.676 | 1458.249 |
| 39.0 | 1435.057 | 1438.607 | 1438.277 |
| 39.5 | 1414.715 | 1417.822 | 1417.573 |
| 40.0 | 1393.407 | 1397.102 | 1396.264 |
| 40.5 | 1372.340 | 1375.536 | 1374.682 |
| 41.0 | 1350.484 | 1353.712 | 1353.205 |
| 41.5 | 1328.958 | 1331.542 | 1331.390 |
| 42.0 | 1306.732 | 1309.510 | 1309.324 |
| 42.5 | 1284.659 | 1287.074 | 1287.276 |
| 43.0 | 1261.604 | 1264.067 | 1264.188 |
| 43.5 | 1239.024 | 1241.012 | 1241.898 |
| 44.0 | 1215.719 | 1217.973 | 1218.891 |
| 44.5 | 1192.422 | 1194.226 | 1194.733 |
| 45.0 | 1168.965 | 1170.341 | 1170.607 |
| 45.5 | 1145.096 | 1146.006 | 1146.087 |
| 46.0 | 1121.019 | 1120.600 | 1120.850 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RG24-LED39DMV40.IES

CANDELA TABULATION - (Cont.)

| | | | |
|-------------|----------|----------|----------|
| 46.5 | 1096.450 | 1095.146 | 1095.178 |
| 47.0 | 1071.069 | 1068.968 | 1068.670 |
| 47.5 | 1045.598 | 1042.225 | 1041.380 |
| 48.0 | 1019.983 | 1015.411 | 1014.203 |
| 48.5 | 993.410 | 988.113 | 986.648 |
| 49.0 | 966.443 | 959.834 | 958.522 |
| 49.5 | 939.371 | 932.432 | 931.216 |
| 50.0 | 912.572 | 905.110 | 904.079 |
| 50.5 | 885.395 | 878.158 | 877.571 |
| 51.0 | 858.774 | 851.907 | 852.213 |
| 51.5 | 832.652 | 826.582 | 826.888 |
| 52.0 | 806.884 | 801.619 | 803.310 |
| 52.5 | 782.283 | 777.678 | 780.085 |
| 53.0 | 757.779 | 754.937 | 757.586 |
| 53.5 | 734.844 | 732.631 | 735.520 |
| 54.0 | 711.942 | 711.467 | 715.082 |
| 54.5 | 690.674 | 690.754 | 695.005 |
| 55.0 | 669.647 | 670.581 | 675.331 |
| 55.5 | 649.450 | 651.076 | 656.655 |
| 56.0 | 629.413 | 632.650 | 638.341 |
| 56.5 | 610.673 | 614.102 | 620.212 |
| 57.0 | 592.295 | 596.618 | 602.913 |
| 57.5 | 574.416 | 579.455 | 585.348 |
| 58.0 | 557.334 | 562.735 | 568.853 |
| 58.5 | 540.662 | 546.643 | 553.180 |
| 59.0 | 524.610 | 531.203 | 537.490 |
| 59.5 | 509.332 | 515.635 | 522.187 |
| 60.0 | 494.181 | 501.024 | 507.182 |
| 60.5 | 479.587 | 486.566 | 492.177 |
| 61.0 | 465.451 | 472.599 | 478.275 |
| 61.5 | 452.193 | 459.687 | 464.308 |
| 62.0 | 439.272 | 446.493 | 451.267 |
| 62.5 | 427.061 | 433.992 | 438.073 |
| 63.0 | 415.324 | 422.279 | 426.610 |
| 63.5 | 403.909 | 411.130 | 414.527 |
| 64.0 | 393.275 | 400.640 | 403.547 |
| 64.5 | 383.196 | 390.320 | 392.486 |
| 65.0 | 373.617 | 381.007 | 382.568 |
| 65.5 | 364.778 | 371.459 | 372.618 |
| 66.0 | 355.915 | 362.878 | 363.699 |
| 66.5 | 347.808 | 354.530 | 354.264 |
| 67.0 | 339.718 | 346.528 | 345.772 |
| 67.5 | 332.658 | 338.615 | 337.351 |
| 68.0 | 325.333 | 331.314 | 329.527 |
| 68.5 | 318.627 | 324.455 | 322.451 |
| 69.0 | 311.978 | 317.452 | 315.520 |
| 69.5 | 305.828 | 311.213 | 308.879 |
| 70.0 | 299.750 | 305.071 | 302.712 |
| 70.5 | 293.793 | 298.929 | 296.610 |
| 71.0 | 288.134 | 293.020 | 291.265 |
| 71.5 | 282.740 | 287.216 | 286.081 |
| 72.0 | 276.952 | 281.694 | 280.720 |
| 72.5 | 271.341 | 276.373 | 276.147 |
| 73.0 | 265.916 | 270.939 | 271.736 |
| 73.5 | 259.991 | 265.755 | 267.099 |
| 74.0 | 254.372 | 260.329 | 262.293 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RG24-LED39DMV40.IES

CANDELA TABULATION - (Cont.)

| | | | |
|-------------|---------|---------|---------|
| 74.5 | 248.407 | 254.839 | 258.284 |
| 75.0 | 242.249 | 249.848 | 253.599 |
| 75.5 | 236.928 | 244.390 | 249.341 |
| 76.0 | 230.262 | 238.707 | 244.945 |
| 76.5 | 224.337 | 233.410 | 239.906 |
| 77.0 | 218.139 | 228.032 | 235.253 |
| 77.5 | 212.061 | 222.132 | 229.964 |
| 78.0 | 206.088 | 216.336 | 225.078 |
| 78.5 | 200.083 | 210.467 | 219.387 |
| 79.0 | 193.796 | 204.422 | 213.695 |
| 79.5 | 188.338 | 198.328 | 207.014 |
| 80.0 | 182.566 | 191.711 | 200.316 |
| 80.5 | 176.778 | 185.053 | 193.015 |
| 81.0 | 170.177 | 178.396 | 185.947 |
| 81.5 | 164.188 | 171.626 | 178.428 |
| 82.0 | 157.667 | 164.445 | 170.435 |
| 82.5 | 151.565 | 156.629 | 162.465 |
| 83.0 | 144.433 | 149.521 | 153.642 |
| 83.5 | 137.703 | 141.881 | 143.862 |
| 84.0 | 130.507 | 133.904 | 133.912 |
| 84.5 | 123.302 | 125.958 | 124.131 |
| 85.0 | 114.954 | 117.417 | 113.255 |
| 85.5 | 105.954 | 108.804 | 103.169 |
| 86.0 | 96.189 | 99.981 | 93.050 |
| 86.5 | 86.022 | 89.669 | 82.496 |
| 87.0 | 75.936 | 78.310 | 72.531 |
| 87.5 | 65.744 | 67.427 | 62.452 |
| 88.0 | 55.191 | 56.873 | 52.285 |
| 88.5 | 45.708 | 47.101 | 42.979 |
| 89.0 | 36.652 | 38.688 | 33.617 |
| 89.5 | 27.773 | 30.590 | 25.349 |
| 90.0 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RG24-LED39DMV40.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 780.79 | N.A. | 16.00 |
| 0-30 | 1644.66 | N.A. | 33.80 |
| 0-40 | 2636.84 | N.A. | 54.20 |
| 0-60 | 4175.06 | N.A. | 85.80 |
| 0-80 | 4768.31 | N.A. | 98.00 |
| 0-90 | 4866.76 | N.A. | 100.00 |
| 10-90 | 4664.54 | N.A. | 95.80 |
| 20-40 | 1856.05 | N.A. | 38.10 |
| 20-50 | 2759.62 | N.A. | 56.70 |
| 40-70 | 1907.4 | N.A. | 39.20 |
| 60-80 | 593.25 | N.A. | 12.20 |
| 70-80 | 224.07 | N.A. | 4.60 |
| 80-90 | 98.45 | N.A. | 2.00 |
| 90-110 | 0.00 | N.A. | 0.00 |
| 90-120 | 0.00 | N.A. | 0.00 |
| 90-130 | 0.00 | N.A. | 0.00 |
| 90-150 | 0.00 | N.A. | 0.00 |
| 90-180 | 0.00 | N.A. | 0.00 |
| 110-180 | 0.00 | N.A. | 0.00 |
| 0-180 | 4866.76 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 202.22 |
| 10-20 | 578.57 |
| 20-30 | 863.87 |
| 30-40 | 992.18 |
| 40-50 | 903.57 |
| 50-60 | 634.65 |
| 60-70 | 369.17 |
| 70-80 | 224.07 |
| 80-90 | 98.45 |
| 90-100 | 0.00 |
| 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 |

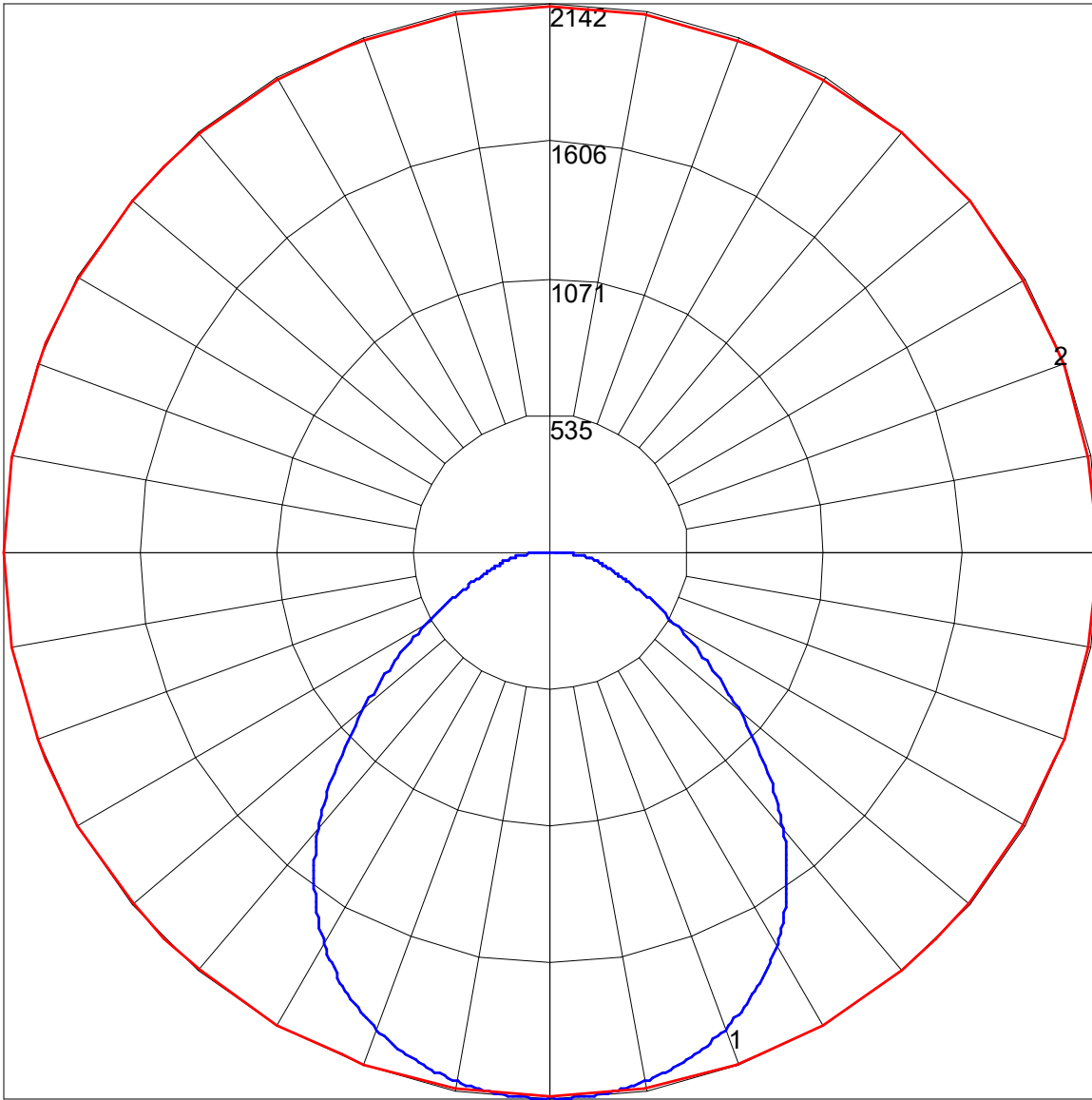
IES INDOOR REPORT
PHOTOMETRIC FILENAME : RG24-LED39DMV40.IES

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 | 100 |
| 1 | 110 | 105 | 101 | 98 | 107 | 103 | 100 | 96 | 99 | 96 | 93 | 95 | 93 | 90 | 91 | 90 | 88 | 86 |
| 2 | 101 | 93 | 87 | 82 | 98 | 91 | 86 | 81 | 88 | 83 | 79 | 85 | 81 | 77 | 82 | 79 | 76 | 74 |
| 3 | 93 | 83 | 76 | 70 | 90 | 82 | 75 | 69 | 79 | 73 | 68 | 76 | 71 | 67 | 73 | 69 | 66 | 64 |
| 4 | 86 | 75 | 66 | 60 | 83 | 73 | 66 | 60 | 71 | 64 | 59 | 69 | 63 | 58 | 66 | 62 | 57 | 55 |
| 5 | 79 | 67 | 59 | 53 | 77 | 66 | 58 | 52 | 64 | 57 | 52 | 62 | 56 | 51 | 60 | 55 | 51 | 49 |
| 6 | 73 | 61 | 53 | 47 | 72 | 60 | 52 | 46 | 58 | 51 | 46 | 57 | 50 | 46 | 55 | 50 | 45 | 43 |
| 7 | 68 | 56 | 47 | 42 | 67 | 55 | 47 | 41 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 39 |
| 8 | 64 | 51 | 43 | 37 | 62 | 50 | 43 | 37 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 35 |
| 9 | 60 | 47 | 39 | 34 | 58 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 43 | 38 | 33 | 32 |
| 10 | 56 | 44 | 36 | 31 | 55 | 43 | 36 | 31 | 42 | 35 | 31 | 41 | 35 | 31 | 40 | 35 | 30 | 29 |

POLAR GRAPH



Maximum Candela = 2141.807 Located At Horizontal Angle = 0, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)