



IES INDOOR REPORT

PHOTOMETRIC FILENAME : VDILG-S24-L62-835-FAD-PC236-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL#12609413.02A

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 24-APR-2020

[MANUFAC] H E Williams Inc

[LUMCAT] DILG-S24-L62/835-FAD/PC236-DIM-UNV

[LUMINAIRE] White formed steel housing, clear lens enclosure, frosted

[MORE] internal lens, acrylic diffuser

[OTHER] This test was performed using the calibrated photodetector met

[MORE] hod of absolute photometry.

CHARACTERISTICS

| | |
|---------------------------------|-----------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 6193 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 99 |
| Total Luminaire Watts | 62.8 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.20 |
| Spacing Criterion (90-270) | 1.26 |
| Spacing Criterion (Diagonal) | 1.34 |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 3.77 ft |
| Luminous Width (90-270) | 1.77 ft |
| Luminous Height | 0.00 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 3189 | 3378 | 3576 |
| 55 | 2831 | 3106 | 3447 |
| 65 | 2377 | 2780 | 3126 |
| 75 | 1684 | 1911 | 1945 |
| 85 | 651 | 723 | 722 |

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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 | 2392.083 | 2392.083 | 2392.083 | 2392.083 | 2392.083 |
| 0.5 | 2427.723 | 2403.963 | 2382.299 | 2378.106 | 2379.504 |
| 1.0 | 2427.024 | 2403.264 | 2382.299 | 2378.106 | 2378.805 |
| 1.5 | 2426.325 | 2402.565 | 2381.600 | 2377.407 | 2378.106 |
| 2.0 | 2425.626 | 2401.866 | 2380.203 | 2376.708 | 2377.407 |
| 2.5 | 2424.229 | 2400.469 | 2379.504 | 2375.311 | 2376.708 |
| 3.0 | 2422.831 | 2399.071 | 2378.106 | 2374.612 | 2375.311 |
| 3.5 | 2421.433 | 2397.673 | 2376.010 | 2373.214 | 2373.913 |
| 4.0 | 2419.337 | 2395.577 | 2374.612 | 2371.118 | 2372.516 |
| 4.5 | 2416.542 | 2392.781 | 2372.516 | 2369.021 | 2370.419 |
| 5.0 | 2413.746 | 2390.685 | 2369.720 | 2366.925 | 2368.323 |
| 5.5 | 2410.951 | 2387.191 | 2366.925 | 2364.828 | 2366.226 |
| 6.0 | 2407.457 | 2383.697 | 2364.130 | 2362.033 | 2363.431 |
| 6.5 | 2403.264 | 2380.203 | 2361.334 | 2359.238 | 2360.635 |
| 7.0 | 2399.071 | 2376.708 | 2357.840 | 2356.443 | 2357.840 |
| 7.5 | 2394.878 | 2372.516 | 2354.346 | 2352.948 | 2354.346 |
| 8.0 | 2389.986 | 2367.624 | 2350.153 | 2349.454 | 2350.852 |
| 8.5 | 2384.396 | 2362.732 | 2345.960 | 2345.960 | 2347.358 |
| 9.0 | 2378.805 | 2357.840 | 2341.767 | 2342.466 | 2343.165 |
| 9.5 | 2372.516 | 2352.250 | 2336.875 | 2337.574 | 2338.972 |
| 10.0 | 2366.226 | 2345.960 | 2331.984 | 2333.381 | 2334.779 |
| 10.5 | 2359.937 | 2340.370 | 2327.092 | 2328.489 | 2330.586 |
| 11.0 | 2352.948 | 2334.080 | 2321.501 | 2323.598 | 2325.694 |
| 11.5 | 2345.960 | 2327.092 | 2315.212 | 2318.706 | 2320.802 |
| 12.0 | 2338.273 | 2320.104 | 2309.621 | 2313.115 | 2315.911 |
| 12.5 | 2330.586 | 2313.115 | 2302.633 | 2307.525 | 2311.019 |
| 13.0 | 2322.200 | 2305.428 | 2296.343 | 2301.934 | 2305.428 |
| 13.5 | 2313.814 | 2297.042 | 2289.355 | 2295.645 | 2299.838 |
| 14.0 | 2305.428 | 2289.355 | 2281.668 | 2289.355 | 2294.247 |
| 14.5 | 2297.042 | 2280.969 | 2273.981 | 2283.066 | 2287.958 |
| 15.0 | 2287.958 | 2271.885 | 2266.294 | 2276.077 | 2281.668 |
| 15.5 | 2278.174 | 2262.800 | 2258.607 | 2269.089 | 2275.379 |
| 16.0 | 2269.089 | 2253.715 | 2250.221 | 2261.402 | 2268.390 |
| 16.5 | 2259.306 | 2244.630 | 2241.136 | 2253.715 | 2261.402 |
| 17.0 | 2249.522 | 2234.847 | 2232.051 | 2246.028 | 2254.414 |
| 17.5 | 2239.040 | 2224.364 | 2222.967 | 2238.341 | 2246.028 |
| 18.0 | 2228.557 | 2214.581 | 2213.882 | 2229.955 | 2238.341 |
| 18.5 | 2218.075 | 2204.098 | 2204.098 | 2221.569 | 2229.955 |
| 19.0 | 2206.894 | 2192.917 | 2194.315 | 2212.484 | 2221.569 |
| 19.5 | 2195.712 | 2182.435 | 2184.531 | 2203.400 | 2213.183 |
| 20.0 | 2183.832 | 2171.254 | 2174.748 | 2194.315 | 2204.098 |
| 20.5 | 2172.651 | 2160.072 | 2164.265 | 2184.531 | 2195.712 |
| 21.0 | 2160.771 | 2148.891 | 2153.783 | 2175.446 | 2185.929 |
| 21.5 | 2148.891 | 2137.011 | 2143.300 | 2165.663 | 2176.844 |
| 22.0 | 2136.312 | 2125.131 | 2132.818 | 2155.879 | 2167.061 |
| 22.5 | 2123.733 | 2113.251 | 2121.637 | 2146.096 | 2157.277 |
| 23.0 | 2111.154 | 2101.371 | 2111.154 | 2135.613 | 2148.192 |
| 23.5 | 2098.576 | 2088.792 | 2099.973 | 2125.830 | 2138.409 |
| 24.0 | 2085.298 | 2076.912 | 2088.792 | 2115.347 | 2127.926 |
| 24.5 | 2072.020 | 2064.333 | 2077.611 | 2104.865 | 2118.143 |
| 25.0 | 2058.742 | 2051.055 | 2065.731 | 2094.383 | 2107.660 |
| 25.5 | 2045.465 | 2038.477 | 2053.851 | 2083.900 | 2097.178 |
| 26.0 | 2031.488 | 2025.898 | 2041.971 | 2072.719 | 2086.696 |
| 26.5 | 2018.211 | 2012.620 | 2030.091 | 2062.237 | 2076.213 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|------|----------|----------|----------|----------|----------|
| 27.0 | 2004.234 | 1999.342 | 2018.211 | 2051.055 | 2065.731 |
| 27.5 | 1989.559 | 1985.366 | 2005.632 | 2039.874 | 2054.550 |
| 28.0 | 1975.582 | 1972.088 | 1993.752 | 2027.994 | 2043.368 |
| 28.5 | 1961.606 | 1958.111 | 1981.173 | 2016.813 | 2032.187 |
| 29.0 | 1945.533 | 1944.135 | 1968.594 | 2004.933 | 2021.705 |
| 29.5 | 1930.857 | 1930.158 | 1956.015 | 1993.053 | 2009.825 |
| 30.0 | 1915.483 | 1916.182 | 1942.737 | 1981.872 | 1998.643 |
| 30.5 | 1900.808 | 1901.507 | 1930.158 | 1969.992 | 1987.462 |
| 31.0 | 1885.434 | 1887.530 | 1916.881 | 1958.111 | 1976.281 |
| 31.5 | 1870.059 | 1872.855 | 1904.302 | 1945.533 | 1964.401 |
| 32.0 | 1854.685 | 1857.480 | 1891.024 | 1933.653 | 1953.220 |
| 32.5 | 1840.010 | 1842.805 | 1877.048 | 1921.773 | 1941.340 |
| 33.0 | 1823.937 | 1828.130 | 1863.770 | 1909.194 | 1929.460 |
| 33.5 | 1808.563 | 1812.756 | 1849.793 | 1896.615 | 1917.580 |
| 34.0 | 1792.490 | 1797.381 | 1835.817 | 1884.036 | 1905.001 |
| 34.5 | 1776.417 | 1782.007 | 1821.840 | 1870.758 | 1893.121 |
| 35.0 | 1760.344 | 1766.633 | 1807.165 | 1857.480 | 1880.542 |
| 35.5 | 1744.271 | 1750.560 | 1792.490 | 1844.203 | 1867.264 |
| 36.0 | 1727.499 | 1734.487 | 1777.814 | 1830.925 | 1853.986 |
| 36.5 | 1710.727 | 1718.414 | 1763.139 | 1816.949 | 1840.709 |
| 37.0 | 1693.256 | 1702.341 | 1748.464 | 1802.972 | 1826.732 |
| 37.5 | 1675.786 | 1686.268 | 1733.089 | 1788.996 | 1812.057 |
| 38.0 | 1658.315 | 1669.496 | 1717.715 | 1774.320 | 1797.381 |
| 38.5 | 1640.844 | 1652.724 | 1702.341 | 1758.946 | 1782.706 |
| 39.0 | 1622.675 | 1635.953 | 1686.967 | 1744.271 | 1767.332 |
| 39.5 | 1605.204 | 1619.181 | 1670.894 | 1728.896 | 1751.259 |
| 40.0 | 1586.336 | 1601.710 | 1654.821 | 1712.823 | 1735.186 |
| 40.5 | 1568.166 | 1584.938 | 1638.748 | 1696.750 | 1719.113 |
| 41.0 | 1549.997 | 1566.769 | 1621.976 | 1679.979 | 1702.341 |
| 41.5 | 1531.827 | 1549.298 | 1605.204 | 1663.906 | 1684.870 |
| 42.0 | 1512.959 | 1531.129 | 1588.432 | 1646.435 | 1667.400 |
| 42.5 | 1494.790 | 1513.658 | 1571.661 | 1628.964 | 1650.628 |
| 43.0 | 1475.222 | 1494.790 | 1554.190 | 1611.494 | 1633.856 |
| 43.5 | 1457.053 | 1477.319 | 1537.418 | 1593.324 | 1617.783 |
| 44.0 | 1438.185 | 1458.451 | 1519.249 | 1575.155 | 1602.409 |
| 44.5 | 1419.316 | 1439.582 | 1501.778 | 1556.985 | 1586.336 |
| 45.0 | 1400.448 | 1421.413 | 1483.608 | 1538.816 | 1570.263 |
| 45.5 | 1380.881 | 1402.545 | 1465.439 | 1522.044 | 1554.190 |
| 46.0 | 1362.013 | 1383.676 | 1447.269 | 1505.272 | 1538.816 |
| 46.5 | 1343.144 | 1365.507 | 1429.100 | 1488.500 | 1522.743 |
| 47.0 | 1323.577 | 1346.638 | 1410.930 | 1471.728 | 1506.670 |
| 47.5 | 1304.010 | 1327.770 | 1392.062 | 1454.957 | 1491.295 |
| 48.0 | 1285.142 | 1308.203 | 1373.194 | 1438.185 | 1475.921 |
| 48.5 | 1264.876 | 1289.335 | 1354.326 | 1421.413 | 1461.246 |
| 49.0 | 1246.007 | 1270.466 | 1335.457 | 1404.641 | 1445.173 |
| 49.5 | 1225.741 | 1251.598 | 1315.890 | 1387.869 | 1429.100 |
| 50.0 | 1206.174 | 1232.730 | 1297.022 | 1371.796 | 1411.629 |
| 50.5 | 1186.607 | 1213.163 | 1277.455 | 1355.723 | 1393.460 |
| 51.0 | 1166.341 | 1194.294 | 1257.887 | 1339.650 | 1374.591 |
| 51.5 | 1146.774 | 1174.727 | 1238.320 | 1323.577 | 1357.121 |
| 52.0 | 1126.508 | 1155.859 | 1218.753 | 1306.106 | 1338.951 |
| 52.5 | 1106.941 | 1136.292 | 1199.186 | 1287.937 | 1320.782 |
| 53.0 | 1087.374 | 1117.423 | 1180.318 | 1269.069 | 1301.914 |
| 53.5 | 1067.807 | 1097.856 | 1161.449 | 1250.899 | 1283.744 |
| 54.0 | 1047.541 | 1078.988 | 1143.280 | 1232.031 | 1264.876 |
| 54.5 | 1027.974 | 1059.421 | 1125.110 | 1213.163 | 1246.007 |

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| | | | | | |
|------|----------|----------|----------|----------|----------|
| 55.0 | 1008.406 | 1039.854 | 1106.242 | 1194.294 | 1227.838 |
| 55.5 | 989.538 | 1020.985 | 1088.073 | 1175.426 | 1208.970 |
| 56.0 | 969.971 | 1001.418 | 1069.903 | 1155.859 | 1190.800 |
| 56.5 | 950.404 | 982.550 | 1052.433 | 1136.991 | 1172.631 |
| 57.0 | 931.536 | 962.983 | 1034.263 | 1117.423 | 1153.762 |
| 57.5 | 911.968 | 943.416 | 1016.792 | 1099.254 | 1134.894 |
| 58.0 | 893.100 | 924.547 | 999.322 | 1080.386 | 1116.026 |
| 58.5 | 873.533 | 904.980 | 982.550 | 1061.517 | 1097.157 |
| 59.0 | 854.665 | 886.112 | 964.380 | 1041.950 | 1078.289 |
| 59.5 | 835.098 | 867.244 | 946.211 | 1023.082 | 1059.421 |
| 60.0 | 815.530 | 847.676 | 926.644 | 1003.515 | 1040.552 |
| 60.5 | 796.662 | 828.808 | 906.378 | 984.646 | 1022.383 |
| 61.0 | 777.095 | 809.241 | 886.811 | 965.079 | 1004.213 |
| 61.5 | 758.227 | 790.373 | 867.244 | 946.211 | 986.743 |
| 62.0 | 738.659 | 770.805 | 847.676 | 926.644 | 969.971 |
| 62.5 | 719.791 | 751.937 | 827.410 | 907.775 | 950.404 |
| 63.0 | 700.224 | 732.370 | 807.843 | 888.907 | 926.644 |
| 63.5 | 681.076 | 713.502 | 787.577 | 871.436 | 901.486 |
| 64.0 | 661.928 | 693.795 | 768.709 | 853.966 | 875.629 |
| 64.5 | 642.920 | 674.577 | 749.142 | 833.700 | 848.375 |
| 65.0 | 623.982 | 655.289 | 729.575 | 809.940 | 820.422 |
| 65.5 | 604.974 | 636.002 | 710.706 | 784.782 | 790.373 |
| 66.0 | 586.106 | 616.505 | 691.139 | 758.925 | 761.721 |
| 66.5 | 567.587 | 597.217 | 671.502 | 732.370 | 731.671 |
| 67.0 | 549.347 | 577.929 | 652.005 | 703.718 | 700.224 |
| 67.5 | 531.248 | 558.782 | 632.717 | 676.115 | 667.868 |
| 68.0 | 513.218 | 540.263 | 613.500 | 647.882 | 634.115 |
| 68.5 | 495.049 | 521.884 | 594.492 | 618.601 | 604.904 |
| 69.0 | 477.089 | 503.924 | 576.112 | 588.412 | 580.795 |
| 69.5 | 459.408 | 486.243 | 558.432 | 557.524 | 558.083 |
| 70.0 | 441.449 | 468.773 | 539.913 | 528.872 | 536.209 |
| 70.5 | 423.838 | 451.651 | 518.529 | 504.972 | 514.127 |
| 71.0 | 406.228 | 434.880 | 495.747 | 483.308 | 491.904 |
| 71.5 | 388.757 | 418.457 | 472.616 | 462.064 | 469.332 |
| 72.0 | 371.426 | 402.454 | 448.507 | 441.169 | 446.480 |
| 72.5 | 354.375 | 386.311 | 424.467 | 420.134 | 423.768 |
| 73.0 | 337.323 | 368.212 | 400.428 | 399.100 | 400.707 |
| 73.5 | 320.342 | 349.553 | 376.038 | 377.925 | 377.995 |
| 74.0 | 303.570 | 331.453 | 351.300 | 356.751 | 355.633 |
| 74.5 | 286.938 | 313.703 | 327.680 | 335.786 | 333.829 |
| 75.0 | 270.655 | 296.512 | 307.204 | 314.891 | 312.585 |
| 75.5 | 254.722 | 279.950 | 288.965 | 294.625 | 292.040 |
| 76.0 | 239.208 | 263.667 | 271.564 | 275.058 | 272.053 |
| 76.5 | 224.044 | 247.664 | 254.582 | 256.190 | 253.185 |
| 77.0 | 209.229 | 231.871 | 237.671 | 237.811 | 234.945 |
| 77.5 | 194.763 | 216.357 | 221.039 | 220.200 | 217.335 |
| 78.0 | 180.507 | 201.402 | 204.616 | 203.289 | 200.843 |
| 78.5 | 166.810 | 187.076 | 188.613 | 186.936 | 184.560 |
| 79.0 | 153.672 | 172.890 | 173.519 | 171.492 | 169.396 |
| 79.5 | 141.093 | 158.773 | 158.983 | 156.677 | 154.580 |
| 80.0 | 129.003 | 144.028 | 144.657 | 142.491 | 140.814 |
| 80.5 | 117.053 | 129.632 | 130.960 | 129.073 | 127.466 |
| 81.0 | 105.872 | 115.656 | 117.892 | 116.355 | 115.167 |
| 81.5 | 94.971 | 102.238 | 105.663 | 104.335 | 103.217 |
| 82.0 | 84.838 | 90.218 | 93.992 | 92.944 | 92.175 |
| 82.5 | 75.054 | 79.596 | 83.090 | 82.252 | 81.553 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|--------|--------|--------|--------|--------|
| 83.0 | 65.829 | 69.953 | 72.818 | 72.259 | 71.839 |
| 83.5 | 57.164 | 61.008 | 63.384 | 62.964 | 62.685 |
| 84.0 | 49.267 | 52.552 | 54.508 | 54.439 | 54.159 |
| 84.5 | 41.930 | 44.795 | 46.402 | 46.472 | 46.472 |
| 85.0 | 35.221 | 37.667 | 39.134 | 39.344 | 39.064 |
| 85.5 | 29.141 | 31.238 | 32.635 | 32.565 | 32.356 |
| 86.0 | 23.690 | 25.507 | 26.835 | 26.695 | 26.346 |
| 86.5 | 18.938 | 20.545 | 21.734 | 21.314 | 20.685 |
| 87.0 | 14.815 | 16.143 | 17.121 | 16.492 | 15.724 |
| 87.5 | 11.321 | 12.509 | 13.348 | 12.160 | 11.041 |
| 88.0 | 8.526 | 9.574 | 10.063 | 8.665 | 7.687 |
| 88.5 | 6.150 | 7.058 | 7.198 | 6.150 | 5.381 |
| 89.0 | 4.193 | 4.822 | 5.032 | 4.333 | 3.844 |
| 89.5 | 2.795 | 3.075 | 3.424 | 3.005 | 2.656 |
| 90.0 | 1.887 | 2.236 | 2.376 | 2.027 | 1.747 |
| 90.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 91.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 91.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 92.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 92.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 93.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 93.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 94.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 94.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 95.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 95.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 96.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 96.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 97.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 97.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 98.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 98.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 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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| | | | | | |
|-------|-------|-------|-------|-------|-------|
| 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 : VDILG-S24-L62-835-FAD-PC236-DIM-UNV_.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 : VDILG-S24-L62-835-FAD-PC236-DIM-UNV_.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 : VDILG-S24-L62-835-FAD-PC236-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 867.11 | N.A. | 14.00 |
| 0-30 | 1822.47 | N.A. | 29.40 |
| 0-40 | 2955.57 | N.A. | 47.70 |
| 0-60 | 5096.15 | N.A. | 82.30 |
| 0-80 | 6139.05 | N.A. | 99.10 |
| 0-90 | 6192.87 | N.A. | 100.00 |
| 10-90 | 5966.96 | N.A. | 96.40 |
| 20-40 | 2088.46 | N.A. | 33.70 |
| 20-50 | 3232.16 | N.A. | 52.20 |
| 40-70 | 2855.79 | N.A. | 46.10 |
| 60-80 | 1042.9 | N.A. | 16.80 |
| 70-80 | 327.69 | N.A. | 5.30 |
| 80-90 | 53.82 | N.A. | 0.90 |
| 90-110 | 0.06 | N.A. | 0.00 |
| 90-120 | 0.06 | N.A. | 0.00 |
| 90-130 | 0.06 | N.A. | 0.00 |
| 90-150 | 0.06 | N.A. | 0.00 |
| 90-180 | 0.06 | N.A. | 0.00 |
| 110-180 | 0.00 | N.A. | 0.00 |
| 0-180 | 6192.92 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 225.91 |
| 10-20 | 641.20 |
| 20-30 | 955.36 |
| 30-40 | 1133.1 |
| 40-50 | 1143.7 |
| 50-60 | 996.88 |
| 60-70 | 715.21 |
| 70-80 | 327.69 |
| 80-90 | 53.82 |
| 90-100 | 0.06 |
| 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 : VDILG-S24-L62-835-FAD-PC236-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 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 110 | 105 | 101 | 97 | 107 | 103 | 99 | 96 | 99 | 96 | 93 | 95 | 92 | 90 | 91 | 89 | 87 | 85 |
| 2 | 100 | 92 | 86 | 80 | 97 | 90 | 84 | 79 | 87 | 82 | 77 | 83 | 79 | 76 | 80 | 77 | 74 | 72 |
| 3 | 91 | 81 | 73 | 67 | 89 | 80 | 72 | 66 | 77 | 70 | 65 | 74 | 69 | 64 | 71 | 67 | 63 | 61 |
| 4 | 84 | 72 | 64 | 57 | 81 | 71 | 63 | 57 | 68 | 61 | 56 | 66 | 60 | 55 | 64 | 59 | 54 | 52 |
| 5 | 77 | 65 | 56 | 49 | 75 | 63 | 55 | 49 | 61 | 54 | 48 | 59 | 53 | 48 | 58 | 52 | 47 | 45 |
| 6 | 71 | 58 | 49 | 43 | 69 | 57 | 49 | 43 | 55 | 48 | 43 | 54 | 47 | 42 | 52 | 46 | 42 | 40 |
| 7 | 66 | 53 | 44 | 38 | 64 | 52 | 44 | 38 | 50 | 43 | 38 | 49 | 42 | 37 | 48 | 42 | 37 | 35 |
| 8 | 62 | 48 | 40 | 34 | 60 | 48 | 40 | 34 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 33 | 32 |
| 9 | 58 | 44 | 36 | 31 | 56 | 44 | 36 | 31 | 43 | 35 | 31 | 42 | 35 | 30 | 41 | 35 | 30 | 28 |
| 10 | 54 | 41 | 33 | 28 | 53 | 40 | 33 | 28 | 39 | 33 | 28 | 38 | 32 | 28 | 38 | 32 | 27 | 26 |

IES INDOOR REPORT

PHOTOMETRIC FILENAME : VDILG-S24-L62-835-FAD-PC236-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

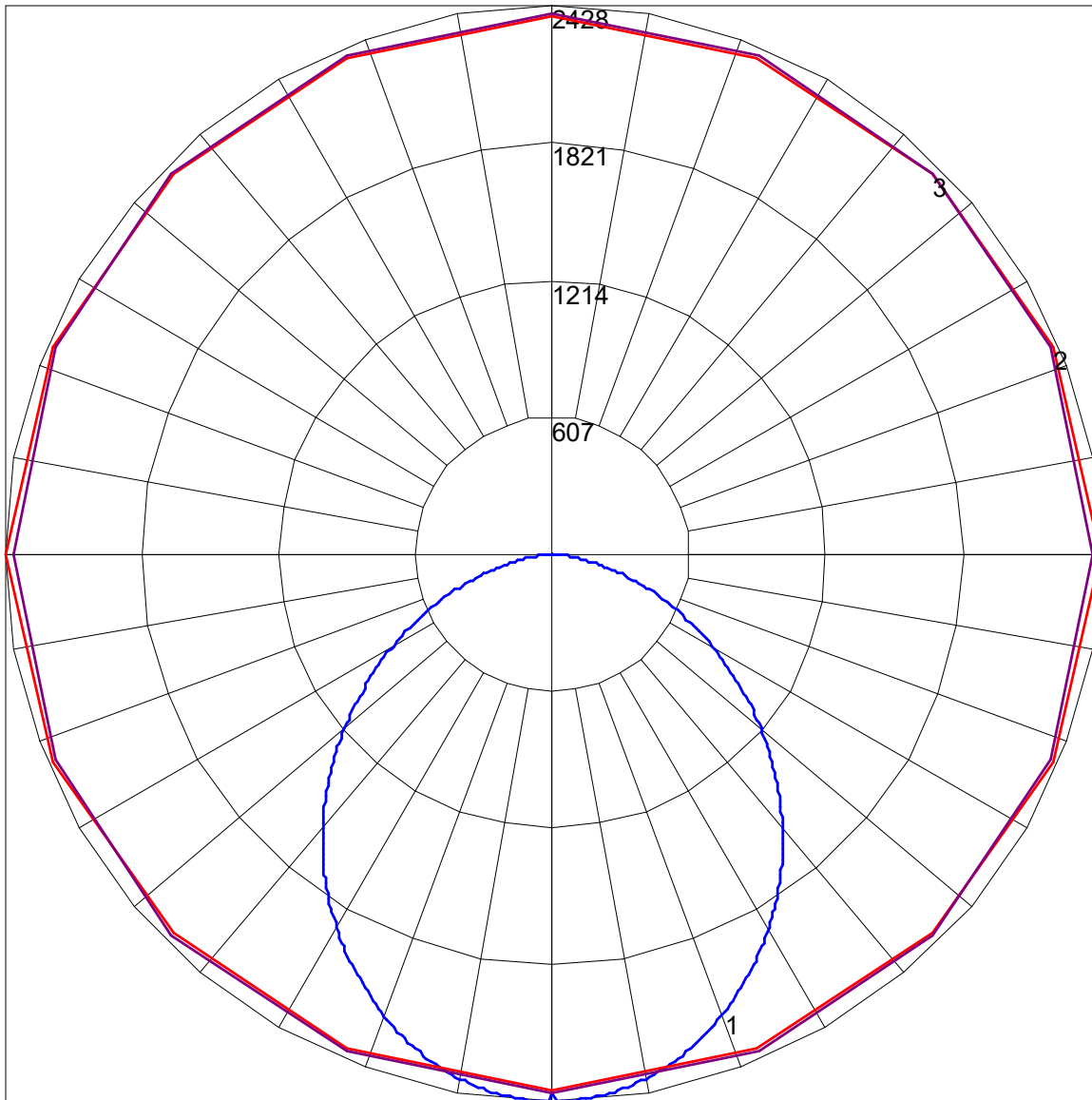
| | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|
| X=2H | Y=2H | 15.5 | 17.1 | 15.8 | 17.4 | 17.7 | 16.6 | 18.2 | 17.0 | 18.5 | 18.8 |
| | 3H | 16.9 | 18.3 | 17.3 | 18.7 | 19.0 | 18.1 | 19.5 | 18.5 | 19.9 | 20.2 |
| | 4H | 17.3 | 18.7 | 17.7 | 19.0 | 19.4 | 18.5 | 19.9 | 18.9 | 20.2 | 20.6 |
| | 6H | 17.6 | 18.8 | 18.0 | 19.2 | 19.6 | 18.7 | 19.9 | 19.1 | 20.3 | 20.7 |
| | 8H | 17.6 | 18.8 | 18.0 | 19.2 | 19.6 | 18.7 | 19.9 | 19.1 | 20.3 | 20.7 |
| | 12H | 17.6 | 18.7 | 18.0 | 19.1 | 19.6 | 18.7 | 19.8 | 19.1 | 20.2 | 20.7 |

UGR Viewed Endwise

| | | | | | | | | | | | |
|-----|-----|------|------|------|------|------|------|------|------|------|------|
| 4H | 2H | 16.2 | 17.5 | 16.6 | 17.9 | 18.2 | 17.1 | 18.4 | 17.5 | 18.8 | 19.2 |
| | 3H | 17.8 | 18.9 | 18.2 | 19.3 | 19.7 | 18.8 | 19.9 | 19.2 | 20.3 | 20.7 |
| | 4H | 18.3 | 19.4 | 18.8 | 19.8 | 20.2 | 19.3 | 20.3 | 19.7 | 20.7 | 21.1 |
| | 6H | 18.6 | 19.5 | 19.1 | 20.0 | 20.4 | 19.5 | 20.4 | 20.0 | 20.8 | 21.3 |
| | 8H | 18.7 | 19.5 | 19.2 | 20.0 | 20.4 | 19.6 | 20.4 | 20.0 | 20.8 | 21.3 |
| | 12H | 18.7 | 19.5 | 19.2 | 19.9 | 20.4 | 19.6 | 20.3 | 20.0 | 20.8 | 21.3 |
| 8H | 4H | 18.6 | 19.4 | 19.0 | 19.8 | 20.3 | 19.4 | 20.2 | 19.9 | 20.7 | 21.2 |
| | 6H | 19.0 | 19.6 | 19.4 | 20.1 | 20.6 | 19.7 | 20.4 | 20.2 | 20.9 | 21.4 |
| | 8H | 19.0 | 19.6 | 19.5 | 20.1 | 20.6 | 19.8 | 20.4 | 20.3 | 20.9 | 21.4 |
| | 12H | 19.1 | 19.6 | 19.6 | 20.1 | 20.7 | 19.8 | 20.4 | 20.3 | 20.9 | 21.4 |
| 12H | 4H | 18.6 | 19.3 | 19.1 | 19.8 | 20.3 | 19.4 | 20.2 | 19.9 | 20.6 | 21.1 |
| | 6H | 19.0 | 19.6 | 19.5 | 20.0 | 20.6 | 19.7 | 20.3 | 20.2 | 20.8 | 21.3 |
| | 8H | 19.1 | 19.6 | 19.6 | 20.1 | 20.7 | 19.8 | 20.4 | 20.3 | 20.8 | 21.4 |

Maximum UGR = 21.4

POLAR GRAPH



Maximum Candela = 2427.723 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.)
3 - Horizontal Cone Through Vertical Angle (0)