



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : DILG-S24-P56-8TW-FAD-DIM-UNV 4000K\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL#12609413.02A

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 06-MAR-2020

[MANUFAC] H E Williams Inc

[LUMCAT] DILG-S24-P56/8TW-AD-DIM-UNV 4000k

[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                | 5648            |
| Total Luminaire Efficiency      | N.A.            |
| Luminaire Efficacy Rating (LER) | 137             |
| Total Luminaire Watts           | 41.1            |
| 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<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 2908             | 3081              | 3261              |
| 55                  | 2582             | 2832              | 3144              |
| 65                  | 2168             | 2535              | 2851              |
| 75                  | 1536             | 1743              | 1774              |
| 85                  | 593              | 659               | 658               |

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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  | 2181.573   | 2181.573    | 2181.573    | 2181.573    | 2181.573    |
| 0.5  | 2214.077   | 2192.408    | 2172.651    | 2168.827    | 2170.102    |
| 1.0  | 2213.440   | 2191.771    | 2172.651    | 2168.827    | 2169.464    |
| 1.5  | 2212.803   | 2191.133    | 2172.014    | 2168.190    | 2168.827    |
| 2.0  | 2212.165   | 2190.496    | 2170.739    | 2167.552    | 2168.190    |
| 2.5  | 2210.891   | 2189.221    | 2170.102    | 2166.278    | 2167.552    |
| 3.0  | 2209.616   | 2187.947    | 2168.827    | 2165.640    | 2166.278    |
| 3.5  | 2208.341   | 2186.672    | 2166.915    | 2164.366    | 2165.003    |
| 4.0  | 2206.429   | 2184.760    | 2165.640    | 2162.454    | 2163.728    |
| 4.5  | 2203.880   | 2182.211    | 2163.728    | 2160.542    | 2161.816    |
| 5.0  | 2201.331   | 2180.299    | 2161.179    | 2158.630    | 2159.904    |
| 5.5  | 2198.781   | 2177.112    | 2158.630    | 2156.718    | 2157.992    |
| 6.0  | 2195.595   | 2173.925    | 2156.080    | 2154.168    | 2155.443    |
| 6.5  | 2191.771   | 2170.739    | 2153.531    | 2151.619    | 2152.894    |
| 7.0  | 2187.947   | 2167.552    | 2150.344    | 2149.070    | 2150.344    |
| 7.5  | 2184.123   | 2163.728    | 2147.158    | 2145.883    | 2147.158    |
| 8.0  | 2179.661   | 2159.267    | 2143.334    | 2142.696    | 2143.971    |
| 8.5  | 2174.563   | 2154.806    | 2139.510    | 2139.510    | 2140.784    |
| 9.0  | 2169.464   | 2150.344    | 2135.686    | 2136.323    | 2136.960    |
| 9.5  | 2163.728   | 2145.246    | 2131.225    | 2131.862    | 2133.137    |
| 10.0 | 2157.992   | 2139.510    | 2126.763    | 2128.038    | 2129.313    |
| 10.5 | 2152.256   | 2134.411    | 2122.302    | 2123.577    | 2125.489    |
| 11.0 | 2145.883   | 2128.675    | 2117.203    | 2119.115    | 2121.027    |
| 11.5 | 2139.510   | 2122.302    | 2111.467    | 2114.654    | 2116.566    |
| 12.0 | 2132.499   | 2115.929    | 2106.369    | 2109.555    | 2112.105    |
| 12.5 | 2125.489   | 2109.555    | 2099.995    | 2104.457    | 2107.643    |
| 13.0 | 2117.841   | 2102.545    | 2094.260    | 2099.358    | 2102.545    |
| 13.5 | 2110.193   | 2094.897    | 2087.886    | 2093.622    | 2097.446    |
| 14.0 | 2102.545   | 2087.886    | 2080.876    | 2087.886    | 2092.348    |
| 14.5 | 2094.897   | 2080.238    | 2073.865    | 2082.150    | 2086.612    |
| 15.0 | 2086.612   | 2071.953    | 2066.854    | 2075.777    | 2080.876    |
| 15.5 | 2077.689   | 2063.668    | 2059.844    | 2069.404    | 2075.140    |
| 16.0 | 2069.404   | 2055.383    | 2052.196    | 2062.393    | 2068.766    |
| 16.5 | 2060.481   | 2047.097    | 2043.911    | 2055.383    | 2062.393    |
| 17.0 | 2051.559   | 2038.175    | 2035.625    | 2048.372    | 2056.020    |
| 17.5 | 2041.999   | 2028.615    | 2027.340    | 2041.361    | 2048.372    |
| 18.0 | 2032.439   | 2019.692    | 2019.055    | 2033.713    | 2041.361    |
| 18.5 | 2022.879   | 2010.132    | 2010.132    | 2026.065    | 2033.713    |
| 19.0 | 2012.682   | 1999.935    | 2001.210    | 2017.780    | 2026.065    |
| 19.5 | 2002.484   | 1990.375    | 1992.287    | 2009.495    | 2018.417    |
| 20.0 | 1991.650   | 1980.178    | 1983.364    | 2001.210    | 2010.132    |
| 20.5 | 1981.452   | 1969.981    | 1973.805    | 1992.287    | 2002.484    |
| 21.0 | 1970.618   | 1959.783    | 1964.245    | 1984.002    | 1993.562    |
| 21.5 | 1959.783   | 1948.949    | 1954.685    | 1975.079    | 1985.276    |
| 22.0 | 1948.311   | 1938.114    | 1945.125    | 1966.157    | 1976.354    |
| 22.5 | 1936.840   | 1927.280    | 1934.928    | 1957.234    | 1967.431    |
| 23.0 | 1925.368   | 1916.445    | 1925.368    | 1947.674    | 1959.146    |
| 23.5 | 1913.896   | 1904.973    | 1915.170    | 1938.752    | 1950.223    |
| 24.0 | 1901.786   | 1894.139    | 1904.973    | 1929.192    | 1940.663    |
| 24.5 | 1889.677   | 1882.667    | 1894.776    | 1919.632    | 1931.741    |
| 25.0 | 1877.568   | 1870.557    | 1883.941    | 1910.072    | 1922.181    |
| 25.5 | 1865.459   | 1859.086    | 1873.107    | 1900.512    | 1912.621    |
| 26.0 | 1852.712   | 1847.614    | 1862.272    | 1890.315    | 1903.061    |
| 26.5 | 1840.603   | 1835.504    | 1851.438    | 1880.755    | 1893.501    |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|
| 27.0 | 1827.856 | 1823.395 | 1840.603 | 1870.557 | 1883.941 |
| 27.5 | 1814.473 | 1810.649 | 1829.131 | 1860.360 | 1873.744 |
| 28.0 | 1801.726 | 1798.539 | 1818.297 | 1849.526 | 1863.547 |
| 28.5 | 1788.979 | 1785.793 | 1806.825 | 1839.328 | 1853.350 |
| 29.0 | 1774.321 | 1773.046 | 1795.353 | 1828.494 | 1843.790 |
| 29.5 | 1760.937 | 1760.300 | 1783.881 | 1817.659 | 1832.955 |
| 30.0 | 1746.916 | 1747.553 | 1771.772 | 1807.462 | 1822.758 |
| 30.5 | 1733.532 | 1734.169 | 1760.300 | 1796.627 | 1812.561 |
| 31.0 | 1719.511 | 1721.423 | 1748.190 | 1785.793 | 1802.363 |
| 31.5 | 1705.489 | 1708.039 | 1736.719 | 1774.321 | 1791.529 |
| 32.0 | 1691.468 | 1694.018 | 1724.609 | 1763.486 | 1781.332 |
| 32.5 | 1678.084 | 1680.634 | 1711.863 | 1752.652 | 1770.497 |
| 33.0 | 1663.426 | 1667.250 | 1699.754 | 1741.180 | 1759.662 |
| 33.5 | 1649.405 | 1653.229 | 1687.007 | 1729.708 | 1748.828 |
| 34.0 | 1634.746 | 1639.207 | 1674.260 | 1718.236 | 1737.356 |
| 34.5 | 1620.088 | 1625.186 | 1661.514 | 1706.127 | 1726.521 |
| 35.0 | 1605.429 | 1611.165 | 1648.130 | 1694.018 | 1715.049 |
| 35.5 | 1590.770 | 1596.506 | 1634.746 | 1681.908 | 1702.940 |
| 36.0 | 1575.475 | 1581.848 | 1621.362 | 1669.799 | 1690.831 |
| 36.5 | 1560.179 | 1567.189 | 1607.978 | 1657.053 | 1678.722 |
| 37.0 | 1544.246 | 1552.531 | 1594.594 | 1644.306 | 1665.975 |
| 37.5 | 1528.312 | 1537.872 | 1580.573 | 1631.559 | 1652.591 |
| 38.0 | 1512.379 | 1522.576 | 1566.552 | 1618.176 | 1639.207 |
| 38.5 | 1496.446 | 1507.281 | 1552.531 | 1604.154 | 1625.823 |
| 39.0 | 1479.875 | 1491.985 | 1538.510 | 1590.770 | 1611.802 |
| 39.5 | 1463.942 | 1476.689 | 1523.851 | 1576.749 | 1597.144 |
| 40.0 | 1446.734 | 1460.756 | 1509.192 | 1562.091 | 1582.485 |
| 40.5 | 1430.164 | 1445.460 | 1494.534 | 1547.432 | 1567.827 |
| 41.0 | 1413.593 | 1428.889 | 1479.238 | 1532.136 | 1552.531 |
| 41.5 | 1397.023 | 1412.956 | 1463.942 | 1517.478 | 1536.598 |
| 42.0 | 1379.815 | 1396.385 | 1448.646 | 1501.545 | 1520.664 |
| 42.5 | 1363.244 | 1380.452 | 1433.350 | 1485.611 | 1505.369 |
| 43.0 | 1345.399 | 1363.244 | 1417.417 | 1469.678 | 1490.073 |
| 43.5 | 1328.829 | 1347.311 | 1402.121 | 1453.108 | 1475.414 |
| 44.0 | 1311.621 | 1330.103 | 1385.551 | 1436.537 | 1461.393 |
| 44.5 | 1294.413 | 1312.895 | 1369.618 | 1419.967 | 1446.734 |
| 45.0 | 1277.205 | 1296.325 | 1353.047 | 1403.396 | 1432.076 |
| 45.5 | 1259.360 | 1279.117 | 1336.477 | 1388.100 | 1417.417 |
| 46.0 | 1242.152 | 1261.909 | 1319.906 | 1372.804 | 1403.396 |
| 46.5 | 1224.944 | 1245.339 | 1303.336 | 1357.508 | 1388.738 |
| 47.0 | 1207.099 | 1228.131 | 1286.765 | 1342.213 | 1374.079 |
| 47.5 | 1189.254 | 1210.923 | 1269.557 | 1326.917 | 1360.058 |
| 48.0 | 1172.046 | 1193.078 | 1252.349 | 1311.621 | 1346.037 |
| 48.5 | 1153.564 | 1175.870 | 1235.141 | 1296.325 | 1332.653 |
| 49.0 | 1136.356 | 1158.662 | 1217.934 | 1281.029 | 1317.994 |
| 49.5 | 1117.873 | 1141.454 | 1200.088 | 1265.733 | 1303.336 |
| 50.0 | 1100.028 | 1124.246 | 1182.881 | 1251.075 | 1287.402 |
| 50.5 | 1082.183 | 1106.401 | 1165.035 | 1236.416 | 1270.832 |
| 51.0 | 1063.700 | 1089.193 | 1147.190 | 1221.758 | 1253.624 |
| 51.5 | 1045.855 | 1071.348 | 1129.345 | 1207.099 | 1237.691 |
| 52.0 | 1027.373 | 1054.140 | 1111.500 | 1191.166 | 1221.120 |
| 52.5 | 1009.527 | 1036.295 | 1093.655 | 1174.595 | 1204.550 |
| 53.0 | 991.682  | 1019.087 | 1076.447 | 1157.387 | 1187.342 |
| 53.5 | 973.837  | 1001.242 | 1059.239 | 1140.817 | 1170.771 |
| 54.0 | 955.355  | 984.034  | 1042.668 | 1123.609 | 1153.564 |
| 54.5 | 937.509  | 966.189  | 1026.098 | 1106.401 | 1136.356 |

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**CANDELA TABULATION - (Cont.)**

|      |         |         |          |          |          |
|------|---------|---------|----------|----------|----------|
| 55.0 | 919.664 | 948.344 | 1008.890 | 1089.193 | 1119.785 |
| 55.5 | 902.456 | 931.136 | 992.320  | 1071.986 | 1102.577 |
| 56.0 | 884.611 | 913.291 | 975.749  | 1054.140 | 1086.007 |
| 56.5 | 866.766 | 896.083 | 959.816  | 1036.933 | 1069.436 |
| 57.0 | 849.558 | 878.238 | 943.245  | 1019.087 | 1052.228 |
| 57.5 | 831.713 | 860.393 | 927.312  | 1002.517 | 1035.021 |
| 58.0 | 814.505 | 843.185 | 911.379  | 985.309  | 1017.813 |
| 58.5 | 796.660 | 825.340 | 896.083  | 968.101  | 1000.605 |
| 59.0 | 779.452 | 808.132 | 879.513  | 950.256  | 983.397  |
| 59.5 | 761.607 | 790.924 | 862.942  | 933.048  | 966.189  |
| 60.0 | 743.762 | 773.079 | 845.097  | 915.203  | 948.981  |
| 60.5 | 726.554 | 755.871 | 826.614  | 897.995  | 932.411  |
| 61.0 | 708.709 | 738.026 | 808.769  | 880.150  | 915.840  |
| 61.5 | 691.501 | 720.818 | 790.924  | 862.942  | 899.907  |
| 62.0 | 673.656 | 702.973 | 773.079  | 845.097  | 884.611  |
| 62.5 | 656.448 | 685.765 | 754.596  | 827.889  | 866.766  |
| 63.0 | 638.603 | 667.920 | 736.751  | 810.681  | 845.097  |
| 63.5 | 621.140 | 650.712 | 718.269  | 794.748  | 822.153  |
| 64.0 | 603.677 | 632.739 | 701.061  | 778.815  | 798.572  |
| 64.5 | 586.342 | 615.213 | 683.216  | 760.332  | 773.716  |
| 65.0 | 569.070 | 597.622 | 665.370  | 738.663  | 748.223  |
| 65.5 | 551.735 | 580.032 | 648.162  | 715.719  | 720.818  |
| 66.0 | 534.527 | 562.251 | 630.317  | 692.138  | 694.687  |
| 66.5 | 517.638 | 544.660 | 612.408  | 667.920  | 667.282  |
| 67.0 | 501.003 | 527.070 | 594.627  | 641.789  | 638.603  |
| 67.5 | 484.497 | 509.607 | 577.037  | 616.615  | 609.094  |
| 68.0 | 468.054 | 492.718 | 559.510  | 590.867  | 578.311  |
| 68.5 | 451.483 | 475.956 | 542.175  | 564.163  | 551.671  |
| 69.0 | 435.104 | 459.577 | 525.413  | 536.630  | 529.683  |
| 69.5 | 418.979 | 443.453 | 509.289  | 508.460  | 508.970  |
| 70.0 | 402.600 | 427.520 | 492.400  | 482.330  | 489.022  |
| 70.5 | 386.539 | 411.905 | 472.897  | 460.533  | 468.882  |
| 71.0 | 370.479 | 396.609 | 452.120  | 440.776  | 448.615  |
| 71.5 | 354.546 | 381.632 | 431.025  | 421.401  | 428.029  |
| 72.0 | 338.740 | 367.037 | 409.037  | 402.345  | 407.189  |
| 72.5 | 323.189 | 352.315 | 387.113  | 383.162  | 386.476  |
| 73.0 | 307.638 | 335.808 | 365.189  | 363.978  | 365.444  |
| 73.5 | 292.151 | 318.791 | 342.946  | 344.667  | 344.731  |
| 74.0 | 276.855 | 302.285 | 320.385  | 325.356  | 324.336  |
| 74.5 | 261.687 | 286.096 | 298.843  | 306.236  | 304.452  |
| 75.0 | 246.837 | 270.418 | 280.169  | 287.180  | 285.077  |
| 75.5 | 232.306 | 255.314 | 263.535  | 268.697  | 266.339  |
| 76.0 | 218.157 | 240.464 | 247.666  | 250.852  | 248.112  |
| 76.5 | 204.327 | 225.869 | 232.179  | 233.644  | 230.904  |
| 77.0 | 190.816 | 211.465 | 216.755  | 216.883  | 214.270  |
| 77.5 | 177.623 | 197.317 | 201.587  | 200.822  | 198.209  |
| 78.0 | 164.622 | 183.678 | 186.610  | 185.399  | 183.168  |
| 78.5 | 152.130 | 170.613 | 172.015  | 170.485  | 168.318  |
| 79.0 | 140.148 | 157.675 | 158.249  | 156.400  | 154.488  |
| 79.5 | 128.677 | 144.801 | 144.992  | 142.889  | 140.977  |
| 80.0 | 117.651 | 131.353 | 131.927  | 129.951  | 128.422  |
| 80.5 | 106.752 | 118.224 | 119.435  | 117.714  | 116.249  |
| 81.0 | 96.555  | 105.478 | 107.517  | 106.115  | 105.032  |
| 81.5 | 86.613  | 93.241  | 96.364   | 95.153   | 94.133   |
| 82.0 | 77.372  | 82.279  | 85.721   | 84.765   | 84.064   |
| 82.5 | 68.449  | 72.592  | 75.778   | 75.013   | 74.376   |

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**CANDELA TABULATION - (Cont.)**

|       |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|
| 83.0  | 60.036 | 63.797 | 66.410 | 65.900 | 65.517 |
| 83.5  | 52.133 | 55.639 | 57.806 | 57.423 | 57.168 |
| 84.0  | 44.932 | 47.927 | 49.712 | 49.648 | 49.393 |
| 84.5  | 38.240 | 40.853 | 42.319 | 42.382 | 42.382 |
| 85.0  | 32.121 | 34.352 | 35.690 | 35.882 | 35.627 |
| 85.5  | 26.577 | 28.489 | 29.763 | 29.699 | 29.508 |
| 86.0  | 21.605 | 23.262 | 24.473 | 24.346 | 24.027 |
| 86.5  | 17.272 | 18.737 | 19.821 | 19.439 | 18.865 |
| 87.0  | 13.511 | 14.722 | 15.615 | 15.041 | 14.340 |
| 87.5  | 10.325 | 11.408 | 12.173 | 11.090 | 10.070 |
| 88.0  | 7.775  | 8.731  | 9.178  | 7.903  | 7.011  |
| 88.5  | 5.608  | 6.437  | 6.564  | 5.608  | 4.907  |
| 89.0  | 3.824  | 4.398  | 4.589  | 3.951  | 3.505  |
| 89.5  | 2.549  | 2.804  | 3.123  | 2.741  | 2.422  |
| 90.0  | 1.721  | 2.039  | 2.167  | 1.848  | 1.593  |
| 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  |

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : DILG-S24-P56-8TW-FAD-DIM-UNV 4000K\_.IES

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 : DILG-S24-P56-8TW-FAD-DIM-UNV 4000K\_.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 : DILG-S24-P56-8TW-FAD-DIM-UNV 4000K\_.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 : DILG-S24-P56-8TW-FAD-DIM-UNV 4000K\_.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 790.80  | N.A.  | 14.00  |
| 0-30    | 1662.09 | N.A.  | 29.40  |
| 0-40    | 2695.47 | N.A.  | 47.70  |
| 0-60    | 4647.68 | N.A.  | 82.30  |
| 0-80    | 5598.79 | N.A.  | 99.10  |
| 0-90    | 5647.88 | N.A.  | 100.00 |
| 10-90   | 5441.85 | N.A.  | 96.40  |
| 20-40   | 1904.67 | N.A.  | 33.70  |
| 20-50   | 2947.72 | N.A.  | 52.20  |
| 40-70   | 2604.48 | N.A.  | 46.10  |
| 60-80   | 951.12  | N.A.  | 16.80  |
| 70-80   | 298.85  | N.A.  | 5.30   |
| 80-90   | 49.08   | N.A.  | 0.90   |
| 90-110  | 0.05    | N.A.  | 0.00   |
| 90-120  | 0.05    | N.A.  | 0.00   |
| 90-130  | 0.05    | N.A.  | 0.00   |
| 90-150  | 0.05    | N.A.  | 0.00   |
| 90-180  | 0.05    | N.A.  | 0.00   |
| 110-180 | 0.00    | N.A.  | 0.00   |
| 0-180   | 5647.93 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  |
|---------|---------|
| 0-10    | 206.03  |
| 10-20   | 584.77  |
| 20-30   | 871.29  |
| 30-40   | 1033.38 |
| 40-50   | 1043.05 |
| 50-60   | 909.15  |
| 60-70   | 652.27  |
| 70-80   | 298.85  |
| 80-90   | 49.08   |
| 90-100  | 0.05    |
| 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 : DILG-S24-P56-8TW-FAD-DIM-UNV 4000K\_.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  | 245 | 245 | 245 | 245 | 239 | 239 | 239 | 239 | 229 | 229 | 229 | 219 | 219 | 219 | 210 | 210 | 210 | 206 |
| 1  | 225 | 216 | 208 | 200 | 220 | 211 | 204 | 197 | 203 | 197 | 191 | 195 | 190 | 185 | 187 | 183 | 180 | 175 |
| 2  | 206 | 189 | 176 | 165 | 200 | 186 | 173 | 163 | 178 | 168 | 159 | 172 | 163 | 155 | 165 | 158 | 152 | 148 |
| 3  | 188 | 167 | 151 | 138 | 183 | 164 | 149 | 137 | 158 | 145 | 134 | 152 | 141 | 132 | 147 | 138 | 130 | 125 |
| 4  | 172 | 148 | 131 | 117 | 168 | 146 | 129 | 117 | 140 | 126 | 115 | 136 | 123 | 113 | 131 | 121 | 112 | 107 |
| 5  | 159 | 133 | 115 | 101 | 154 | 130 | 114 | 101 | 126 | 111 | 100 | 122 | 109 | 99  | 118 | 107 | 98  | 93  |
| 6  | 147 | 120 | 102 | 89  | 143 | 118 | 101 | 88  | 114 | 99  | 88  | 111 | 97  | 87  | 107 | 95  | 86  | 82  |
| 7  | 136 | 109 | 91  | 79  | 132 | 107 | 90  | 78  | 104 | 89  | 78  | 101 | 87  | 77  | 98  | 86  | 77  | 73  |
| 8  | 127 | 99  | 82  | 70  | 123 | 98  | 81  | 70  | 95  | 80  | 70  | 93  | 79  | 69  | 90  | 78  | 69  | 65  |
| 9  | 118 | 91  | 75  | 63  | 115 | 90  | 74  | 63  | 88  | 73  | 63  | 85  | 72  | 62  | 83  | 71  | 62  | 58  |
| 10 | 111 | 84  | 68  | 57  | 108 | 83  | 68  | 57  | 81  | 67  | 57  | 79  | 66  | 57  | 77  | 65  | 57  | 53  |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : DILG-S24-P56-8TW-FAD-DIM-UNV 4000K\_.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 | 12.7 | 14.3 | 13.0 | 14.6 | 14.9 | 13.8 | 15.4 | 14.2 | 15.7 | 16.0 |
|      | 3H   | 14.1 | 15.5 | 14.5 | 15.9 | 16.2 | 15.3 | 16.7 | 15.7 | 17.1 | 17.4 |
|      | 4H   | 14.5 | 15.9 | 14.9 | 16.2 | 16.6 | 15.7 | 17.1 | 16.1 | 17.4 | 17.8 |
|      | 6H   | 14.8 | 16.0 | 15.2 | 16.4 | 16.8 | 15.9 | 17.1 | 16.3 | 17.5 | 17.9 |
|      | 8H   | 14.8 | 16.0 | 15.2 | 16.4 | 16.8 | 15.9 | 17.1 | 16.3 | 17.5 | 17.9 |
|      | 12H  | 14.8 | 15.9 | 15.2 | 16.3 | 16.8 | 15.9 | 17.0 | 16.3 | 17.4 | 17.9 |

UGR Viewed Endwise

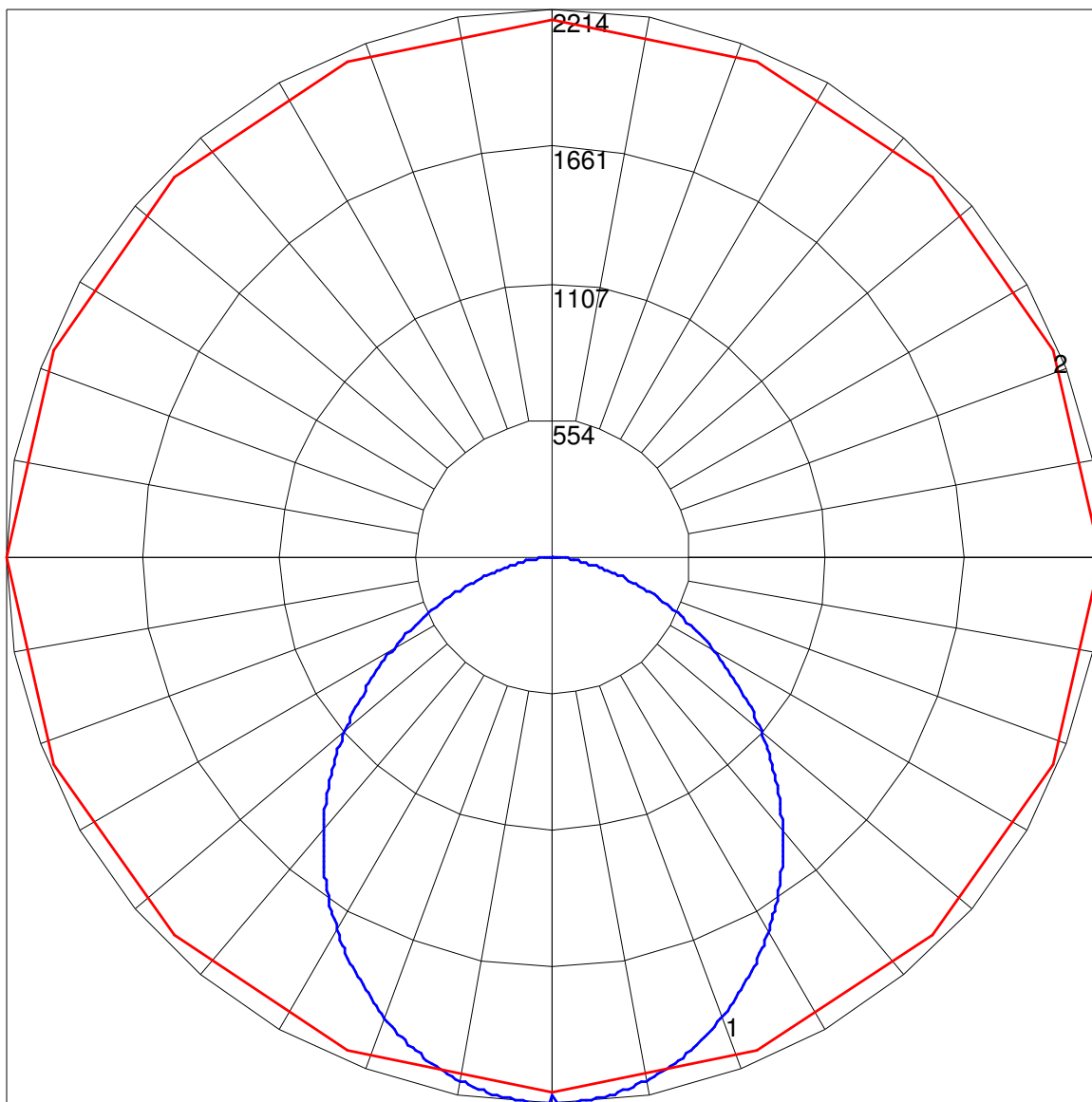
|    |     |      |      |      |      |      |      |      |      |      |      |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 4H | 2H  | 13.4 | 14.7 | 13.8 | 15.1 | 15.4 | 14.3 | 15.6 | 14.7 | 16.0 | 16.4 |
|    | 3H  | 15.0 | 16.1 | 15.4 | 16.5 | 16.9 | 16.0 | 17.1 | 16.4 | 17.5 | 17.9 |
|    | 4H  | 15.5 | 16.6 | 16.0 | 17.0 | 17.4 | 16.5 | 17.5 | 16.9 | 17.9 | 18.3 |
|    | 6H  | 15.8 | 16.7 | 16.3 | 17.2 | 17.6 | 16.7 | 17.6 | 17.2 | 18.0 | 18.5 |
|    | 8H  | 15.9 | 16.7 | 16.4 | 17.2 | 17.6 | 16.8 | 17.6 | 17.2 | 18.0 | 18.5 |
|    | 12H | 15.9 | 16.7 | 16.4 | 17.1 | 17.6 | 16.8 | 17.5 | 17.2 | 18.0 | 18.5 |

|    |     |      |      |      |      |      |      |      |      |      |      |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 8H | 4H  | 15.8 | 16.6 | 16.2 | 17.0 | 17.5 | 16.6 | 17.4 | 17.1 | 17.9 | 18.3 |
|    | 6H  | 16.2 | 16.8 | 16.6 | 17.3 | 17.8 | 16.9 | 17.6 | 17.4 | 18.1 | 18.6 |
|    | 8H  | 16.2 | 16.8 | 16.7 | 17.3 | 17.8 | 17.0 | 17.6 | 17.5 | 18.1 | 18.6 |
|    | 12H | 16.3 | 16.8 | 16.8 | 17.3 | 17.9 | 17.0 | 17.6 | 17.5 | 18.1 | 18.6 |

|     |    |      |      |      |      |      |      |      |      |      |      |
|-----|----|------|------|------|------|------|------|------|------|------|------|
| 12H | 4H | 15.8 | 16.5 | 16.3 | 17.0 | 17.5 | 16.6 | 17.4 | 17.1 | 17.8 | 18.3 |
|     | 6H | 16.2 | 16.8 | 16.7 | 17.2 | 17.8 | 16.9 | 17.5 | 17.4 | 18.0 | 18.5 |
|     | 8H | 16.3 | 16.8 | 16.8 | 17.3 | 17.9 | 17.0 | 17.6 | 17.5 | 18.0 | 18.6 |

Maximum UGR = 18.6

POLAR GRAPH



Maximum Candela = 2214.077 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.)