



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LVL24H-40.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995

[TEST]

[TESTLAB] LEADING TESTING LABORATORIES

[TESTDATE] 2018-03-16

[ISSUEDATE] 2018-03-16 09:37:44

[LUMCAT] LVL24H-40

[LUMINAIRE] 2x4 RECESSED LUMINAIRE

[MORE] Formed white enamel steel housing, formed white enamel steel

[MORE] reflector, formed white enamel aluminum enclosure with angled frosted

[MORE] plastic lenses

[LAMP] (4) 56 CHIP LED BOARD ARRAYS 4000K

[NEARFIELD]

[LAMPPOSITION] 0,0

[MANUFAC] LAMAR LIGHTING CO., INC.

[\_SEARCH\_SOURCE] LED

[\_SEARCH\_APPLICATION] Indoor

[\_SEARCH\_MOUNTING] Recessed

### CHARACTERISTICS

|                                 |                 |
|---------------------------------|-----------------|
| Lumens Per Lamp                 | N.A. (absolute) |
| Total Lamp Lumens               | N.A. (absolute) |
| Luminaire Lumens                | 6754            |
| Total Luminaire Efficiency      | N.A.            |
| Luminaire Efficacy Rating (LER) | 118             |
| Total Luminaire Watts           | 57.4            |
| Ballast Factor                  | 1.00            |
| CIE Type                        | Direct          |
| Spacing Criterion (0-180)       | 1.28            |
| Spacing Criterion (90-270)      | 1.24            |
| Spacing Criterion (Diagonal)    | 1.38            |
| Basic Luminous Shape            | Rectangular     |
| Luminous Length (0-180)         | 1.92 ft         |
| Luminous Width (90-270)         | 3.90 ft         |
| Luminous Height                 | 0.00 ft         |

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**LUMINANCE DATA (cd/sq.m)**

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 3332             | 3248              | 3138              |
| 55                  | 3234             | 3142              | 2981              |
| 65                  | 3040             | 2956              | 2772              |
| 75                  | 2604             | 2620              | 2428              |
| 85                  | 1607             | 2210              | 1984              |

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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> | <u>112.5</u> | <u>135.0</u> | <u>157.5</u> | <u>180.0</u> | <u>202.5</u> |
|------|------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|
| 0.0  | 2399.767   | 2399.767    | 2399.767    | 2399.767    | 2399.767    | 2399.767     | 2399.767     | 2399.767     | 2399.767     | 2399.767     |
| 0.5  | 2399.793   | 2399.793    | 2400.149    | 2399.780    | 2399.806    | 2400.505     | 2399.793     | 2399.437     | 2399.384     | 2399.411     |
| 1.0  | 2399.793   | 2400.162    | 2400.162    | 2400.136    | 2399.806    | 2400.175     | 2399.793     | 2399.411     | 2399.029     | 2399.029     |
| 1.5  | 2399.042   | 2399.793    | 2400.162    | 2400.518    | 2399.806    | 2399.793     | 2400.162     | 2399.411     | 2399.015     | 2398.264     |
| 2.0  | 2398.317   | 2399.437    | 2400.162    | 2399.806    | 2399.806    | 2400.162     | 2399.463     | 2398.699     | 2397.882     | 2397.105     |
| 2.5  | 2397.553   | 2398.686    | 2399.793    | 2399.398    | 2399.068    | 2399.450     | 2399.055     | 2397.935     | 2397.105     | 2395.958     |
| 3.0  | 2396.419   | 2397.922    | 2398.673    | 2398.646    | 2398.304    | 2398.317     | 2397.948     | 2397.171     | 2395.971     | 2394.798     |
| 3.5  | 2394.891   | 2396.775    | 2397.592    | 2397.566    | 2397.579    | 2397.540     | 2397.171     | 2396.037     | 2394.772     | 2392.901     |
| 4.0  | 2393.441   | 2395.326    | 2396.433    | 2396.419    | 2396.077    | 2396.011     | 2396.011     | 2394.943     | 2392.914     | 2391.346     |
| 4.5  | 2392.268   | 2394.153    | 2394.522    | 2394.878    | 2394.153    | 2394.574     | 2394.574     | 2393.428     | 2391.464     | 2389.092     |
| 5.0  | 2390.371   | 2392.255    | 2393.362    | 2392.980    | 2392.716    | 2393.033     | 2392.677     | 2391.530     | 2389.567     | 2387.129     |
| 5.5  | 2388.078   | 2390.094    | 2391.201    | 2390.806    | 2390.437    | 2391.122     | 2390.753     | 2389.620     | 2387.630     | 2384.599     |
| 6.0  | 2386.285   | 2388.526    | 2388.908    | 2388.539    | 2388.170    | 2388.091     | 2388.486     | 2387.327     | 2384.955     | 2381.937     |
| 6.5  | 2383.650   | 2385.917    | 2386.628    | 2386.246    | 2385.139    | 2386.180     | 2386.549     | 2384.823     | 2382.662     | 2379.248     |
| 7.0  | 2381.357   | 2383.584    | 2383.953    | 2383.202    | 2382.451    | 2384.019     | 2383.663     | 2382.530     | 2380.342     | 2376.191     |
| 7.5  | 2377.917   | 2380.909    | 2381.265    | 2380.131    | 2379.222    | 2379.947     | 2380.975     | 2379.499     | 2377.259     | 2372.765     |
| 8.0  | 2375.598   | 2377.469    | 2378.049    | 2376.890    | 2375.769    | 2376.784     | 2377.904     | 2376.784     | 2374.004     | 2369.312     |
| 8.5  | 2372.027   | 2374.966    | 2374.610    | 2373.463    | 2372.686    | 2373.371     | 2374.478     | 2373.766     | 2370.564     | 2365.688     |
| 9.0  | 2368.561   | 2371.210    | 2371.170    | 2369.655    | 2368.917    | 2369.905     | 2370.854     | 2369.958     | 2367.441     | 2362.552     |
| 9.5  | 2364.792   | 2367.784    | 2367.401    | 2365.477    | 2364.766    | 2365.372     | 2367.059     | 2366.532     | 2363.619     | 2358.309     |
| 10.0 | 2361.709   | 2364.357    | 2363.211    | 2361.326    | 2360.193    | 2361.181     | 2363.250     | 2362.947     | 2359.679     | 2353.986     |
| 10.5 | 2356.819   | 2360.193    | 2359.047    | 2356.714    | 2354.856    | 2356.899     | 2358.704     | 2359.139     | 2356.213     | 2350.151     |
| 11.0 | 2352.945   | 2355.963    | 2354.790    | 2352.062    | 2350.560    | 2351.522     | 2354.461     | 2354.566     | 2351.706     | 2345.565     |
| 11.5 | 2348.320   | 2351.377    | 2349.809    | 2346.751    | 2345.249    | 2346.185     | 2349.914     | 2349.954     | 2347.450     | 2340.176     |
| 12.0 | 2343.734   | 2346.870    | 2345.210    | 2341.428    | 2339.556    | 2341.230     | 2344.946     | 2345.776     | 2343.167     | 2335.577     |
| 12.5 | 2338.779   | 2341.915    | 2339.543    | 2335.708    | 2333.863    | 2335.880     | 2339.569     | 2340.848     | 2338.528     | 2331.267     |
| 13.0 | 2333.863   | 2336.921    | 2334.891    | 2330.042    | 2327.815    | 2329.831     | 2334.298     | 2335.827     | 2334.733     | 2325.271     |
| 13.5 | 2328.553   | 2331.597    | 2328.895    | 2324.336    | 2321.740    | 2324.125     | 2328.974     | 2331.215     | 2330.529     | 2319.289     |
| 14.0 | 2323.176   | 2326.589    | 2323.110    | 2318.234    | 2315.177    | 2317.984     | 2322.899     | 2325.140     | 2324.481     | 2313.293     |
| 14.5 | 2317.786   | 2320.830    | 2317.351    | 2311.355    | 2309.049    | 2311.830     | 2317.101     | 2319.697     | 2318.445     | 2307.310     |
| 15.0 | 2312.093   | 2315.019    | 2311.158    | 2305.557    | 2302.500    | 2304.938     | 2310.986     | 2313.622     | 2312.410     | 2301.287     |
| 15.5 | 2306.295   | 2309.642    | 2304.727    | 2298.401    | 2295.305    | 2298.085     | 2304.872     | 2307.534     | 2306.374     | 2294.633     |
| 16.0 | 2300.220   | 2303.198    | 2297.861    | 2291.140    | 2287.991    | 2291.193     | 2298.415     | 2301.775     | 2300.339     | 2287.978     |
| 16.5 | 2294.105   | 2296.991    | 2291.312    | 2283.800    | 2280.348    | 2283.616     | 2291.522     | 2295.305     | 2293.815     | 2281.270     |
| 17.0 | 2287.543   | 2290.455    | 2284.433    | 2276.196    | 2272.388    | 2275.920     | 2284.551     | 2289.480     | 2287.385     | 2274.062     |
| 17.5 | 2281.033   | 2283.932    | 2276.737    | 2268.105    | 2264.600    | 2268.514     | 2276.961     | 2282.614     | 2280.506     | 2266.563     |
| 18.0 | 2273.719   | 2276.579    | 2269.410    | 2260.370    | 2256.192    | 2260.185     | 2269.542     | 2274.971     | 2273.574     | 2259.197     |
| 18.5 | 2266.827   | 2269.383    | 2261.806    | 2251.725    | 2247.903    | 2251.448     | 2261.529     | 2267.328     | 2266.221     | 2251.580     |
| 19.0 | 2259.645   | 2262.149    | 2253.873    | 2243.660    | 2238.468    | 2243.423     | 2253.912     | 2260.080     | 2258.920     | 2243.502     |
| 19.5 | 2252.002   | 2254.532    | 2245.452    | 2234.857    | 2229.955    | 2234.883     | 2245.413     | 2252.740     | 2251.382     | 2235.226     |
| 20.0 | 2244.675   | 2246.849    | 2237.400    | 2226.344    | 2220.427    | 2225.922     | 2237.480     | 2244.859     | 2243.818     | 2227.161     |
| 20.5 | 2237.414   | 2238.863    | 2228.677    | 2216.843    | 2211.572    | 2216.698     | 2228.769     | 2236.425     | 2235.687     | 2218.859     |
| 21.0 | 2228.993   | 2230.416    | 2219.834    | 2207.117    | 2200.831    | 2207.091     | 2220.295     | 2228.663     | 2227.688     | 2210.122     |
| 21.5 | 2220.572   | 2221.956    | 2211.124    | 2197.866    | 2191.501    | 2197.893     | 2211.084     | 2220.269     | 2219.228     | 2201.266     |
| 22.0 | 2212.652   | 2213.377    | 2202.018    | 2187.588    | 2181.289    | 2188.009     | 2201.938     | 2211.901     | 2210.755     | 2192.121     |
| 22.5 | 2204.390   | 2205.747    | 2192.582    | 2178.218    | 2171.076    | 2177.744     | 2193.070     | 2202.624     | 2202.018     | 2182.883     |
| 23.0 | 2195.534   | 2196.259    | 2182.923    | 2167.438    | 2160.691    | 2168.361     | 2183.186     | 2194.071     | 2193.373     | 2173.514     |
| 23.5 | 2186.731   | 2187.047    | 2172.920    | 2157.502    | 2149.899    | 2157.779     | 2173.237     | 2184.557     | 2184.306     | 2163.920     |
| 24.0 | 2177.375   | 2177.770    | 2163.538    | 2146.802    | 2139.066    | 2146.999     | 2163.182     | 2175.266     | 2175.016     | 2154.247     |
| 24.5 | 2168.137   | 2168.031    | 2153.575    | 2135.732    | 2128.352    | 2135.798     | 2153.180     | 2165.897     | 2165.501     | 2144.166     |
| 25.0 | 2158.912   | 2158.767    | 2143.204    | 2124.953    | 2116.479    | 2125.124     | 2143.283     | 2156.343     | 2156.184     | 2133.900     |
| 25.5 | 2149.042   | 2148.844    | 2132.938    | 2113.936    | 2105.370    | 2114.845     | 2132.820     | 2146.420     | 2146.182     | 2123.635     |
| 26.0 | 2139.106   | 2138.948    | 2121.856    | 2102.537    | 2094.261    | 2102.958     | 2122.185     | 2136.523     | 2136.193     | 2113.461     |
| 26.5 | 2129.104   | 2128.524    | 2111.037    | 2091.019    | 2082.032    | 2091.388     | 2111.353     | 2126.152     | 2126.244     | 2102.669     |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 27.0 | 2118.706 | 2118.469 | 2099.954 | 2079.133 | 2069.724 | 2079.844 | 2100.573 | 2115.754 | 2115.939 | 2091.546 |
| 27.5 | 2108.388 | 2108.151 | 2088.502 | 2067.207 | 2058.232 | 2068.353 | 2089.161 | 2105.067 | 2105.449 | 2080.912 |
| 28.0 | 2098.004 | 2096.673 | 2077.327 | 2055.360 | 2045.634 | 2056.098 | 2076.840 | 2094.301 | 2094.630 | 2069.987 |
| 28.5 | 2087.000 | 2085.985 | 2065.915 | 2042.761 | 2032.707 | 2044.277 | 2066.100 | 2082.862 | 2083.705 | 2058.390 |
| 29.0 | 2076.708 | 2075.272 | 2053.752 | 2030.150 | 2019.805 | 2031.033 | 2054.358 | 2072.241 | 2072.768 | 2046.438 |
| 29.5 | 2065.573 | 2063.424 | 2042.274 | 2017.894 | 2007.589 | 2019.028 | 2042.432 | 2061.171 | 2061.659 | 2035.461 |
| 30.0 | 2054.108 | 2052.605 | 2030.018 | 2005.230 | 1994.859 | 2005.982 | 2030.176 | 2049.284 | 2050.405 | 2023.693 |
| 30.5 | 2042.564 | 2040.363 | 2017.710 | 1991.736 | 1981.049 | 1993.067 | 2017.855 | 2037.727 | 2038.703 | 2011.161 |
| 31.0 | 2031.033 | 2028.859 | 2005.085 | 1978.729 | 1967.660 | 1980.047 | 2005.613 | 2025.762 | 2026.869 | 1998.773 |
| 31.5 | 2019.818 | 2017.433 | 1992.909 | 1965.762 | 1953.968 | 1966.896 | 1993.304 | 2013.967 | 2014.956 | 1986.570 |
| 32.0 | 2008.090 | 2004.822 | 1979.876 | 1952.110 | 1941.067 | 1953.652 | 1980.008 | 2001.435 | 2003.148 | 1974.341 |
| 32.5 | 1995.413 | 1992.975 | 1966.856 | 1939.011 | 1927.269 | 1939.446 | 1967.739 | 1989.878 | 1990.748 | 1961.163 |
| 33.0 | 1983.948 | 1980.693 | 1953.480 | 1924.897 | 1912.760 | 1926.505 | 1954.759 | 1976.898 | 1978.440 | 1948.341 |
| 33.5 | 1970.493 | 1967.647 | 1940.698 | 1910.915 | 1899.464 | 1912.286 | 1941.251 | 1964.260 | 1965.986 | 1935.624 |
| 34.0 | 1957.579 | 1955.246 | 1927.362 | 1897.434 | 1884.889 | 1898.844 | 1927.849 | 1951.056 | 1953.032 | 1922.538 |
| 34.5 | 1944.875 | 1942.068 | 1914.052 | 1883.044 | 1870.709 | 1883.980 | 1913.854 | 1938.194 | 1940.237 | 1909.071 |
| 35.0 | 1933.094 | 1929.088 | 1900.149 | 1868.878 | 1856.187 | 1870.604 | 1900.821 | 1925.266 | 1927.098 | 1895.352 |
| 35.5 | 1919.152 | 1915.422 | 1886.233 | 1854.527 | 1842.113 | 1856.464 | 1886.747 | 1911.996 | 1913.801 | 1881.963 |
| 36.0 | 1906.106 | 1902.086 | 1872.159 | 1839.715 | 1827.222 | 1841.626 | 1872.831 | 1897.909 | 1900.399 | 1868.430 |
| 36.5 | 1892.664 | 1888.263 | 1857.848 | 1825.469 | 1812.305 | 1827.196 | 1858.968 | 1884.046 | 1887.182 | 1854.211 |
| 37.0 | 1879.420 | 1874.847 | 1843.510 | 1811.026 | 1797.954 | 1812.660 | 1844.103 | 1870.709 | 1873.371 | 1840.150 |
| 37.5 | 1865.214 | 1861.010 | 1828.988 | 1795.819 | 1782.918 | 1796.926 | 1829.831 | 1856.886 | 1859.310 | 1825.957 |
| 38.0 | 1851.588 | 1847.081 | 1814.242 | 1781.059 | 1767.512 | 1782.588 | 1815.454 | 1842.970 | 1845.342 | 1811.593 |
| 38.5 | 1837.619 | 1833.020 | 1799.759 | 1766.313 | 1752.661 | 1768.053 | 1800.537 | 1828.434 | 1831.241 | 1796.992 |
| 39.0 | 1823.624 | 1818.498 | 1784.868 | 1751.409 | 1737.664 | 1752.463 | 1785.118 | 1814.176 | 1816.548 | 1782.245 |
| 39.5 | 1808.970 | 1803.963 | 1770.029 | 1736.057 | 1722.378 | 1737.032 | 1770.517 | 1799.654 | 1802.263 | 1767.460 |
| 40.0 | 1793.895 | 1789.414 | 1754.941 | 1720.968 | 1706.960 | 1721.917 | 1755.455 | 1784.683 | 1787.622 | 1752.503 |
| 40.5 | 1779.821 | 1774.708 | 1740.313 | 1705.563 | 1690.856 | 1707.263 | 1740.445 | 1769.766 | 1772.718 | 1737.282 |
| 41.0 | 1764.613 | 1759.487 | 1724.539 | 1689.367 | 1675.438 | 1691.238 | 1724.381 | 1754.848 | 1757.721 | 1722.207 |
| 41.5 | 1749.683 | 1744.266 | 1708.923 | 1674.133 | 1659.203 | 1674.779 | 1709.318 | 1739.549 | 1742.553 | 1707.105 |
| 42.0 | 1735.213 | 1730.140 | 1693.689 | 1658.465 | 1643.139 | 1659.927 | 1694.388 | 1724.499 | 1727.530 | 1691.238 |
| 42.5 | 1719.782 | 1714.326 | 1678.218 | 1642.625 | 1627.193 | 1643.890 | 1678.640 | 1709.411 | 1712.244 | 1675.517 |
| 43.0 | 1704.284 | 1698.539 | 1662.800 | 1626.771 | 1611.340 | 1628.102 | 1662.484 | 1693.584 | 1696.496 | 1660.125 |
| 43.5 | 1688.734 | 1682.686 | 1646.525 | 1610.101 | 1594.736 | 1611.854 | 1646.894 | 1678.073 | 1680.709 | 1644.364 |
| 44.0 | 1672.605 | 1666.819 | 1630.356 | 1594.024 | 1577.828 | 1595.171 | 1630.672 | 1661.878 | 1664.895 | 1628.221 |
| 44.5 | 1656.541 | 1651.124 | 1614.661 | 1577.815 | 1561.883 | 1578.988 | 1614.687 | 1646.011 | 1648.990 | 1611.524 |
| 45.0 | 1640.687 | 1634.981 | 1599.071 | 1562.555 | 1545.186 | 1562.911 | 1598.610 | 1629.578 | 1632.478 | 1595.447 |
| 45.5 | 1624.544 | 1618.733 | 1582.493 | 1544.633 | 1528.279 | 1546.241 | 1582.665 | 1613.791 | 1616.466 | 1579.357 |
| 46.0 | 1608.309 | 1602.656 | 1565.863 | 1528.332 | 1510.897 | 1529.676 | 1566.232 | 1596.765 | 1600.350 | 1562.740 |
| 46.5 | 1591.389 | 1586.315 | 1549.627 | 1510.963 | 1493.950 | 1513.414 | 1549.232 | 1580.859 | 1583.679 | 1545.951 |
| 47.0 | 1575.180 | 1569.012 | 1533.748 | 1494.477 | 1477.030 | 1496.467 | 1532.575 | 1563.939 | 1566.983 | 1529.346 |
| 47.5 | 1558.760 | 1551.789 | 1517.684 | 1477.214 | 1459.740 | 1478.822 | 1516.788 | 1547.018 | 1550.010 | 1512.215 |
| 48.0 | 1541.945 | 1536.028 | 1499.762 | 1461.124 | 1442.530 | 1461.572 | 1499.656 | 1530.084 | 1533.129 | 1494.926 |
| 48.5 | 1524.563 | 1519.041 | 1483.751 | 1442.635 | 1425.148 | 1444.796 | 1483.250 | 1513.889 | 1516.142 | 1477.952 |
| 49.0 | 1507.919 | 1501.541 | 1466.817 | 1425.333 | 1407.476 | 1427.507 | 1465.973 | 1496.257 | 1499.063 | 1461.229 |
| 49.5 | 1490.445 | 1484.673 | 1449.435 | 1407.582 | 1388.961 | 1409.150 | 1448.934 | 1478.941 | 1481.734 | 1443.400 |
| 50.0 | 1472.668 | 1466.659 | 1432.211 | 1389.791 | 1372.080 | 1391.557 | 1431.711 | 1461.282 | 1463.918 | 1425.306 |
| 50.5 | 1454.706 | 1449.303 | 1415.739 | 1371.830 | 1353.855 | 1374.228 | 1414.316 | 1444.414 | 1446.127 | 1408.333 |
| 51.0 | 1437.575 | 1431.803 | 1397.593 | 1354.712 | 1336.249 | 1355.832 | 1397.079 | 1426.308 | 1428.548 | 1390.674 |
| 51.5 | 1419.613 | 1413.934 | 1380.369 | 1336.803 | 1317.971 | 1338.265 | 1379.684 | 1409.058 | 1410.679 | 1372.449 |
| 52.0 | 1401.652 | 1396.341 | 1362.882 | 1318.841 | 1300.800 | 1320.212 | 1362.355 | 1390.925 | 1392.717 | 1354.145 |
| 52.5 | 1383.005 | 1377.931 | 1345.210 | 1300.142 | 1282.035 | 1302.118 | 1344.696 | 1372.752 | 1374.808 | 1336.697 |
| 53.0 | 1365.531 | 1359.825 | 1327.235 | 1282.602 | 1264.218 | 1283.748 | 1326.366 | 1354.817 | 1356.214 | 1318.354 |
| 53.5 | 1346.475 | 1341.929 | 1309.524 | 1264.732 | 1246.072 | 1265.905 | 1308.720 | 1336.394 | 1337.817 | 1299.693 |
| 54.0 | 1328.672 | 1323.677 | 1291.273 | 1246.099 | 1227.689 | 1247.825 | 1290.113 | 1317.761 | 1319.421 | 1281.416 |
| 54.5 | 1310.328 | 1305.031 | 1273.298 | 1227.834 | 1209.068 | 1229.204 | 1272.296 | 1299.021 | 1300.945 | 1262.703 |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 55.0 | 1291.589 | 1286.384 | 1255.007 | 1209.661 | 1190.606 | 1210.716 | 1254.691 | 1280.651 | 1282.325 | 1244.214 |
| 55.5 | 1272.850 | 1267.987 | 1237.269 | 1191.687 | 1172.710 | 1192.675 | 1236.334 | 1261.820 | 1263.401 | 1225.554 |
| 56.0 | 1253.650 | 1248.695 | 1217.884 | 1172.618 | 1154.551 | 1174.133 | 1216.501 | 1242.870 | 1244.899 | 1207.118 |
| 56.5 | 1234.317 | 1229.455 | 1198.671 | 1153.760 | 1136.168 | 1155.658 | 1197.327 | 1223.182 | 1225.383 | 1188.273 |
| 57.0 | 1215.407 | 1210.426 | 1179.905 | 1135.851 | 1118.891 | 1136.906 | 1179.392 | 1205.010 | 1206.182 | 1169.218 |
| 57.5 | 1196.022 | 1191.660 | 1161.061 | 1118.246 | 1099.994 | 1120.025 | 1160.191 | 1185.625 | 1187.008 | 1149.715 |
| 58.0 | 1176.664 | 1173.000 | 1141.940 | 1099.335 | 1081.005 | 1100.903 | 1141.439 | 1166.358 | 1167.650 | 1130.672 |
| 58.5 | 1157.068 | 1153.431 | 1122.924 | 1080.385 | 1062.015 | 1081.743 | 1122.779 | 1146.407 | 1148.120 | 1112.026 |
| 59.0 | 1137.657 | 1133.703 | 1103.776 | 1061.422 | 1043.039 | 1062.595 | 1103.539 | 1128.063 | 1128.432 | 1092.944 |
| 59.5 | 1118.061 | 1109.680 | 1084.615 | 1042.472 | 1024.049 | 1043.447 | 1084.260 | 1108.454 | 1108.850 | 1073.414 |
| 60.0 | 1097.991 | 1091.428 | 1065.468 | 1023.522 | 1005.297 | 1024.300 | 1064.980 | 1088.780 | 1089.214 | 1053.752 |
| 60.5 | 1077.921 | 1073.230 | 1046.307 | 1004.664 | 986.835  | 1005.679 | 1045.701 | 1069.105 | 1068.775 | 1034.789 |
| 61.0 | 1057.838 | 1055.018 | 1027.146 | 986.387  | 967.924  | 986.690  | 1026.421 | 1049.417 | 1048.692 | 1015.075 |
| 61.5 | 1037.768 | 1036.819 | 1007.709 | 967.028  | 949.159  | 968.043  | 1006.443 | 1029.742 | 1028.833 | 995.374  |
| 62.0 | 1017.750 | 1016.696 | 987.968  | 947.841  | 930.248  | 948.539  | 986.373  | 1010.001 | 1008.934 | 976.081  |
| 62.5 | 997.482  | 996.744  | 968.306  | 928.838  | 911.035  | 929.339  | 966.936  | 990.182  | 988.455  | 956.156  |
| 63.0 | 977.162  | 977.267  | 948.658  | 910.046  | 892.032  | 910.099  | 947.735  | 970.547  | 968.016  | 936.626  |
| 63.5 | 956.644  | 957.237  | 929.102  | 891.031  | 873.174  | 891.452  | 927.916  | 950.556  | 947.604  | 916.174  |
| 64.0 | 935.981  | 937.193  | 909.282  | 872.041  | 854.527  | 872.384  | 907.991  | 930.696  | 926.888  | 896.420  |
| 64.5 | 915.449  | 917.136  | 889.489  | 852.564  | 835.248  | 852.696  | 887.802  | 910.323  | 906.264  | 876.838  |
| 65.0 | 894.707  | 897.106  | 869.774  | 833.561  | 815.837  | 833.693  | 868.496  | 890.187  | 885.917  | 856.478  |
| 65.5 | 873.939  | 876.574  | 849.731  | 814.427  | 797.032  | 814.664  | 847.952  | 869.998  | 865.136  | 835.749  |
| 66.0 | 852.920  | 856.109  | 829.911  | 795.450  | 778.108  | 795.187  | 828.106  | 849.625  | 843.866  | 816.140  |
| 66.5 | 831.848  | 835.802  | 809.867  | 775.802  | 758.802  | 775.604  | 808.088  | 829.371  | 823.085  | 795.371  |
| 67.0 | 810.671  | 815.349  | 790.034  | 756.496  | 739.246  | 756.536  | 788.282  | 808.404  | 802.316  | 774.603  |
| 67.5 | 789.560  | 794.739  | 769.885  | 737.494  | 720.586  | 737.704  | 767.737  | 787.583  | 781.007  | 753.505  |
| 68.0 | 768.673  | 773.773  | 750.144  | 718.583  | 701.729  | 718.056  | 747.957  | 767.487  | 760.331  | 733.145  |
| 68.5 | 747.535  | 753.017  | 730.153  | 699.106  | 682.475  | 698.698  | 728.045  | 746.652  | 738.996  | 712.390  |
| 69.0 | 725.739  | 731.840  | 709.833  | 679.695  | 663.038  | 679.497  | 707.962  | 725.502  | 717.766  | 691.265  |
| 69.5 | 704.259  | 710.571  | 690.053  | 660.442  | 644.127  | 660.495  | 687.154  | 704.140  | 696.207  | 670.457  |
| 70.0 | 683.095  | 689.513  | 670.325  | 641.637  | 625.362  | 641.136  | 667.466  | 683.016  | 675.109  | 649.636  |
| 70.5 | 661.878  | 667.874  | 649.952  | 622.318  | 606.452  | 621.672  | 647.475  | 661.905  | 653.642  | 628.446  |
| 71.0 | 640.583  | 647.172  | 630.106  | 603.487  | 587.515  | 602.814  | 628.064  | 640.859  | 632.162  | 607.545  |
| 71.5 | 618.589  | 625.797  | 610.379  | 584.220  | 569.316  | 584.089  | 607.506  | 619.788  | 611.380  | 587.040  |
| 72.0 | 597.398  | 604.304  | 590.506  | 565.534  | 550.195  | 564.901  | 587.423  | 597.952  | 590.203  | 565.956  |
| 72.5 | 575.958  | 583.087  | 570.080  | 546.518  | 531.337  | 545.899  | 567.287  | 577.025  | 568.433  | 545.068  |
| 73.0 | 554.425  | 562.147  | 550.089  | 527.608  | 512.203  | 527.120  | 547.796  | 555.888  | 547.177  | 524.788  |
| 73.5 | 532.918  | 541.326  | 530.889  | 509.093  | 494.280  | 508.539  | 527.594  | 535.066  | 526.079  | 504.098  |
| 74.0 | 511.768  | 520.070  | 511.425  | 490.182  | 475.528  | 489.839  | 508.012  | 514.192  | 505.126  | 483.712  |
| 74.5 | 490.090  | 499.301  | 491.408  | 471.417  | 456.512  | 471.245  | 488.232  | 493.134  | 484.239  | 463.062  |
| 75.0 | 469.203  | 478.388  | 472.128  | 452.559  | 437.496  | 452.216  | 468.913  | 472.168  | 462.983  | 443.282  |
| 75.5 | 448.197  | 457.777  | 452.269  | 433.464  | 418.217  | 433.293  | 449.185  | 451.452  | 442.293  | 423.040  |
| 76.0 | 426.994  | 437.523  | 433.543  | 414.461  | 398.990  | 414.843  | 430.314  | 431.435  | 421.380  | 403.220  |
| 76.5 | 405.803  | 416.886  | 414.606  | 395.459  | 379.632  | 396.381  | 411.602  | 410.758  | 401.112  | 383.322  |
| 77.0 | 385.522  | 396.684  | 395.432  | 375.758  | 359.443  | 377.523  | 392.375  | 390.741  | 380.475  | 363.818  |
| 77.5 | 364.965  | 376.535  | 376.377  | 355.964  | 339.755  | 357.664  | 373.161  | 370.816  | 360.524  | 344.697  |
| 78.0 | 344.631  | 356.873  | 357.809  | 336.131  | 321.965  | 337.897  | 354.844  | 351.418  | 339.940  | 326.116  |
| 78.5 | 324.337  | 337.199  | 339.334  | 316.536  | 306.823  | 318.420  | 336.289  | 332.995  | 320.568  | 307.074  |
| 79.0 | 304.346  | 317.260  | 320.212  | 298.324  | 293.487  | 299.114  | 317.511  | 312.898  | 300.762  | 288.862  |
| 79.5 | 285.159  | 298.139  | 301.473  | 283.564  | 281.271  | 282.839  | 299.391  | 293.856  | 281.732  | 270.650  |
| 80.0 | 266.261  | 279.558  | 282.629  | 270.808  | 270.413  | 269.596  | 281.443  | 274.537  | 262.703  | 252.438  |
| 80.5 | 246.626  | 261.003  | 263.613  | 258.579  | 261.003  | 257.129  | 262.730  | 255.851  | 243.674  | 234.213  |
| 81.0 | 228.177  | 242.238  | 243.793  | 247.681  | 251.739  | 245.691  | 243.806  | 237.599  | 224.672  | 216.001  |
| 81.5 | 210.044  | 224.145  | 224.197  | 237.955  | 242.212  | 235.833  | 224.856  | 219.572  | 207.540  | 199.106  |
| 82.0 | 192.293  | 206.592  | 206.776  | 228.269  | 232.803  | 226.187  | 206.684  | 202.019  | 189.500  | 181.777  |
| 82.5 | 174.200  | 189.144  | 192.069  | 218.175  | 223.275  | 216.066  | 189.790  | 184.821  | 172.395  | 165.094  |

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**CANDELA TABULATION - (Cont.)**

|       |         |         |         |         |         |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 83.0  | 158.083 | 171.683 | 178.681 | 208.015 | 213.510 | 206.117 | 176.084 | 168.046 | 155.632 | 149.373 |
| 83.5  | 141.756 | 156.093 | 167.334 | 198.118 | 199.475 | 195.944 | 163.987 | 151.929 | 139.674 | 133.915 |
| 84.0  | 126.034 | 140.425 | 156.660 | 184.215 | 176.730 | 184.308 | 153.352 | 135.812 | 124.110 | 118.747 |
| 84.5  | 110.656 | 124.585 | 145.511 | 161.167 | 149.149 | 164.066 | 142.375 | 120.526 | 109.285 | 104.264 |
| 85.0  | 97.530  | 108.152 | 134.139 | 133.282 | 120.421 | 137.407 | 131.095 | 107.809 | 94.486  | 90.401  |
| 85.5  | 84.418  | 94.394  | 122.068 | 105.345 | 102.222 | 108.929 | 119.775 | 93.617  | 80.873  | 75.839  |
| 86.0  | 71.293  | 80.689  | 103.737 | 88.767  | 84.616  | 91.758  | 104.673 | 79.345  | 67.498  | 62.398  |
| 86.5  | 58.181  | 66.997  | 84.550  | 72.545  | 66.997  | 74.877  | 85.393  | 65.060  | 55.203  | 51.790  |
| 87.0  | 45.069  | 53.292  | 65.337  | 56.323  | 49.391  | 57.996  | 65.890  | 50.788  | 45.952  | 41.194  |
| 87.5  | 33.433  | 42.156  | 46.136  | 40.101  | 31.772  | 41.102  | 46.387  | 39.429  | 36.688  | 30.586  |
| 88.0  | 21.981  | 31.008  | 26.923  | 23.865  | 22.534  | 24.221  | 26.896  | 28.227  | 27.423  | 19.991  |
| 88.5  | 14.799  | 18.779  | 17.197  | 15.590  | 14.944  | 15.985  | 17.131  | 17.553  | 18.172  | 9.449   |
| 89.0  | 9.712   | 10.187  | 9.976   | 8.421   | 7.973   | 8.763   | 9.778   | 9.541   | 9.080   | 4.546   |
| 89.5  | 7.696   | 7.986   | 7.670   | 6.312   | 5.996   | 6.642   | 7.353   | 7.446   | 4.599   | 2.174   |
| 90.0  | 5.732   | 5.891   | 5.443   | 4.336   | 4.098   | 4.546   | 5.232   | 5.548   | 2.319   | 1.964   |
| 90.5  | 3.769   | 3.795   | 3.215   | 2.359   | 2.201   | 2.464   | 3.123   | 3.650   | 2.161   | 2.016   |
| 91.0  | 1.819   | 1.700   | 0.988   | 0.395   | 0.303   | 0.369   | 1.015   | 1.753   | 1.924   | 2.122   |
| 91.5  | 1.766   | 1.766   | 0.975   | 0.316   | 0.250   | 0.356   | 1.028   | 1.726   | 1.950   | 2.240   |
| 92.0  | 1.779   | 1.871   | 1.015   | 0.329   | 0.264   | 0.356   | 1.067   | 1.845   | 1.990   | 2.372   |
| 92.5  | 1.805   | 1.977   | 1.041   | 0.343   | 0.277   | 0.369   | 1.107   | 1.964   | 2.056   | 2.530   |
| 93.0  | 1.845   | 2.069   | 1.067   | 0.356   | 0.290   | 0.435   | 1.199   | 2.174   | 2.161   | 2.622   |
| 93.5  | 1.871   | 2.029   | 1.107   | 0.395   | 0.329   | 0.474   | 1.265   | 2.201   | 2.227   | 2.583   |
| 94.0  | 1.871   | 1.964   | 1.107   | 0.422   | 0.343   | 0.488   | 1.305   | 2.188   | 2.280   | 2.570   |
| 94.5  | 1.937   | 1.964   | 1.107   | 0.435   | 0.356   | 0.501   | 1.305   | 2.095   | 2.267   | 2.517   |
| 95.0  | 1.964   | 1.977   | 1.081   | 0.448   | 0.356   | 0.501   | 1.278   | 2.095   | 2.214   | 2.517   |
| 95.5  | 1.964   | 2.095   | 1.067   | 0.448   | 0.343   | 0.488   | 1.252   | 2.069   | 2.174   | 2.767   |
| 96.0  | 1.937   | 2.253   | 1.054   | 0.435   | 0.343   | 0.474   | 1.226   | 2.214   | 2.201   | 3.176   |
| 96.5  | 1.924   | 1.964   | 1.041   | 0.435   | 0.343   | 0.461   | 1.199   | 2.767   | 2.306   | 2.622   |
| 97.0  | 1.898   | 1.964   | 1.028   | 0.435   | 0.356   | 0.461   | 1.173   | 2.570   | 2.425   | 2.412   |
| 97.5  | 1.898   | 2.965   | 1.015   | 0.435   | 0.356   | 0.461   | 1.160   | 2.029   | 2.491   | 2.636   |
| 98.0  | 1.937   | 3.229   | 0.988   | 0.435   | 0.356   | 0.461   | 1.133   | 2.636   | 2.504   | 3.690   |
| 98.5  | 2.095   | 3.492   | 0.975   | 0.435   | 0.356   | 0.448   | 1.107   | 4.125   | 2.464   | 4.349   |
| 99.0  | 2.135   | 3.439   | 0.962   | 0.448   | 0.356   | 0.448   | 1.094   | 3.822   | 2.504   | 4.309   |
| 99.5  | 2.201   | 3.703   | 0.962   | 0.448   | 0.369   | 0.461   | 1.081   | 4.256   | 2.543   | 3.901   |
| 100.0 | 2.174   | 3.479   | 0.962   | 0.448   | 0.369   | 0.461   | 1.094   | 3.479   | 2.622   | 3.439   |
| 100.5 | 2.227   | 2.794   | 0.975   | 0.448   | 0.369   | 0.461   | 1.067   | 3.492   | 2.557   | 3.571   |
| 101.0 | 2.491   | 1.990   | 0.988   | 0.448   | 0.382   | 0.461   | 1.054   | 2.899   | 2.583   | 3.255   |
| 101.5 | 2.543   | 1.713   | 0.988   | 0.461   | 0.382   | 0.474   | 1.054   | 2.082   | 2.543   | 2.675   |
| 102.0 | 2.319   | 1.700   | 0.988   | 0.461   | 0.395   | 0.474   | 1.041   | 1.819   | 2.807   | 2.227   |
| 102.5 | 2.161   | 1.700   | 0.988   | 0.474   | 0.395   | 0.488   | 1.041   | 1.792   | 2.781   | 2.214   |
| 103.0 | 2.319   | 1.713   | 1.028   | 0.488   | 0.395   | 0.488   | 1.041   | 1.779   | 2.583   | 2.201   |
| 103.5 | 2.398   | 1.700   | 1.002   | 0.501   | 0.409   | 0.514   | 1.041   | 1.753   | 2.846   | 2.174   |
| 104.0 | 2.095   | 1.687   | 0.988   | 0.514   | 0.422   | 0.527   | 1.081   | 1.726   | 3.005   | 2.161   |
| 104.5 | 2.385   | 1.937   | 1.002   | 0.527   | 0.422   | 0.540   | 1.133   | 1.713   | 2.425   | 2.174   |
| 105.0 | 2.240   | 2.543   | 1.002   | 0.527   | 0.435   | 0.553   | 1.081   | 1.687   | 3.163   | 2.253   |
| 105.5 | 2.253   | 2.504   | 1.002   | 0.540   | 0.448   | 0.553   | 1.067   | 2.425   | 2.412   | 2.161   |
| 106.0 | 2.227   | 1.766   | 1.002   | 0.540   | 0.461   | 0.553   | 1.067   | 2.622   | 3.136   | 2.043   |
| 106.5 | 2.029   | 1.819   | 1.002   | 0.540   | 0.474   | 0.567   | 1.054   | 2.306   | 2.201   | 2.029   |
| 107.0 | 2.108   | 1.608   | 1.002   | 0.553   | 0.474   | 0.567   | 1.054   | 1.871   | 2.649   | 2.003   |
| 107.5 | 2.227   | 1.542   | 1.002   | 0.553   | 0.488   | 0.580   | 1.094   | 2.082   | 2.464   | 2.003   |
| 108.0 | 1.937   | 1.542   | 1.002   | 0.567   | 0.488   | 0.593   | 1.067   | 1.621   | 2.108   | 1.964   |
| 108.5 | 2.043   | 1.529   | 0.988   | 0.567   | 0.488   | 0.593   | 1.041   | 1.568   | 2.385   | 1.937   |
| 109.0 | 2.122   | 1.529   | 0.988   | 0.580   | 0.501   | 0.606   | 1.041   | 1.568   | 2.675   | 1.977   |
| 109.5 | 1.792   | 1.542   | 0.988   | 0.580   | 0.501   | 0.619   | 1.041   | 1.555   | 1.871   | 2.464   |
| 110.0 | 2.082   | 1.529   | 0.988   | 0.593   | 0.514   | 0.633   | 1.041   | 1.555   | 1.871   | 2.069   |
| 110.5 | 1.739   | 1.568   | 0.988   | 0.593   | 0.514   | 0.619   | 1.041   | 1.542   | 2.346   | 2.227   |

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**CANDELA TABULATION - (Cont.)**

|       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 111.0 | 2.108 | 1.542 | 0.988 | 0.606 | 0.527 | 0.633 | 1.028 | 1.542 | 2.398 | 2.385 |
| 111.5 | 1.674 | 1.766 | 0.988 | 0.619 | 0.527 | 0.633 | 1.028 | 1.595 | 1.779 | 1.898 |
| 112.0 | 1.779 | 1.819 | 0.988 | 0.619 | 0.540 | 0.646 | 1.028 | 1.542 | 1.766 | 1.779 |
| 112.5 | 1.792 | 1.568 | 0.988 | 0.619 | 0.540 | 0.646 | 1.028 | 1.700 | 1.858 | 1.766 |
| 113.0 | 2.003 | 1.476 | 0.975 | 0.619 | 0.553 | 0.646 | 1.028 | 1.660 | 2.464 | 1.739 |
| 113.5 | 1.726 | 1.463 | 0.975 | 0.633 | 0.553 | 0.659 | 1.028 | 1.529 | 1.884 | 1.713 |
| 114.0 | 1.476 | 1.621 | 0.975 | 0.633 | 0.567 | 0.659 | 1.028 | 1.502 | 1.608 | 1.700 |
| 114.5 | 1.476 | 1.581 | 0.975 | 0.646 | 0.580 | 0.672 | 1.028 | 1.515 | 1.581 | 1.700 |
| 115.0 | 2.016 | 1.463 | 0.975 | 0.646 | 0.580 | 0.672 | 1.028 | 1.700 | 1.608 | 1.713 |
| 115.5 | 1.674 | 1.450 | 0.988 | 0.659 | 0.593 | 0.685 | 1.028 | 1.568 | 1.726 | 1.739 |
| 116.0 | 1.911 | 1.436 | 0.988 | 0.659 | 0.606 | 0.685 | 1.041 | 1.489 | 2.082 | 1.660 |
| 116.5 | 1.542 | 1.423 | 1.002 | 0.659 | 0.606 | 0.698 | 1.041 | 1.476 | 1.700 | 1.608 |
| 117.0 | 1.515 | 1.423 | 1.002 | 0.672 | 0.619 | 0.698 | 1.054 | 1.463 | 1.581 | 1.621 |
| 117.5 | 1.476 | 1.410 | 1.002 | 0.672 | 0.633 | 0.712 | 1.054 | 1.463 | 1.687 | 1.621 |
| 118.0 | 1.436 | 1.410 | 1.015 | 0.672 | 0.646 | 0.712 | 1.067 | 1.463 | 1.529 | 1.555 |
| 118.5 | 1.568 | 1.410 | 1.015 | 0.685 | 0.646 | 0.725 | 1.067 | 1.463 | 1.515 | 1.542 |
| 119.0 | 1.568 | 1.410 | 1.067 | 0.698 | 0.659 | 0.738 | 1.067 | 1.463 | 1.529 | 1.595 |
| 119.5 | 1.674 | 1.436 | 1.436 | 0.698 | 0.672 | 0.738 | 1.081 | 1.450 | 1.542 | 1.753 |
| 120.0 | 1.647 | 1.410 | 1.581 | 0.712 | 0.685 | 0.751 | 1.146 | 1.436 | 1.647 | 1.515 |
| 120.5 | 1.450 | 1.397 | 1.199 | 0.712 | 0.698 | 0.751 | 1.581 | 1.423 | 1.515 | 1.463 |
| 121.0 | 1.436 | 1.410 | 1.081 | 0.725 | 0.698 | 0.764 | 1.687 | 1.410 | 1.489 | 1.450 |
| 121.5 | 1.436 | 1.634 | 1.094 | 0.738 | 0.712 | 0.778 | 1.344 | 1.397 | 1.476 | 1.450 |
| 122.0 | 1.436 | 1.529 | 1.094 | 0.751 | 0.725 | 0.791 | 1.146 | 1.397 | 1.476 | 1.436 |
| 122.5 | 1.436 | 1.384 | 1.081 | 0.764 | 0.725 | 0.804 | 1.133 | 1.384 | 1.476 | 1.423 |
| 123.0 | 1.436 | 1.357 | 1.081 | 0.778 | 0.738 | 0.804 | 1.146 | 1.384 | 1.476 | 1.423 |
| 123.5 | 1.450 | 1.357 | 1.094 | 0.778 | 0.751 | 0.817 | 1.146 | 1.515 | 1.476 | 1.423 |
| 124.0 | 1.450 | 1.344 | 1.107 | 0.791 | 0.764 | 0.830 | 1.160 | 1.397 | 1.476 | 1.423 |
| 124.5 | 1.450 | 1.344 | 1.120 | 0.804 | 0.764 | 0.843 | 1.173 | 1.371 | 1.476 | 1.423 |
| 125.0 | 1.450 | 1.344 | 1.133 | 0.817 | 0.791 | 0.843 | 1.173 | 1.371 | 1.489 | 1.423 |
| 125.5 | 1.450 | 1.476 | 1.133 | 0.817 | 0.791 | 0.857 | 1.186 | 1.371 | 1.489 | 1.489 |
| 126.0 | 1.436 | 1.581 | 1.133 | 0.830 | 0.804 | 0.857 | 1.186 | 1.371 | 1.476 | 1.792 |
| 126.5 | 1.423 | 1.371 | 1.133 | 0.843 | 0.817 | 0.870 | 1.186 | 1.529 | 1.476 | 1.621 |
| 127.0 | 1.423 | 1.344 | 1.146 | 0.857 | 0.817 | 0.883 | 1.186 | 1.766 | 1.476 | 1.410 |
| 127.5 | 1.410 | 1.344 | 1.146 | 0.870 | 0.830 | 0.896 | 1.186 | 1.450 | 1.476 | 1.397 |
| 128.0 | 1.410 | 1.344 | 1.146 | 0.883 | 0.843 | 0.896 | 1.252 | 1.371 | 1.463 | 1.397 |
| 128.5 | 1.410 | 1.344 | 1.160 | 0.896 | 0.857 | 0.909 | 1.226 | 1.371 | 1.450 | 1.397 |
| 129.0 | 1.397 | 1.344 | 1.160 | 0.909 | 0.870 | 0.922 | 1.199 | 1.357 | 1.450 | 1.397 |
| 129.5 | 1.397 | 1.344 | 1.160 | 0.922 | 0.883 | 0.936 | 1.199 | 1.371 | 1.450 | 1.397 |
| 130.0 | 1.397 | 1.331 | 1.160 | 0.922 | 0.883 | 0.949 | 1.199 | 1.384 | 1.450 | 1.397 |
| 130.5 | 1.397 | 1.331 | 1.146 | 0.936 | 0.883 | 0.949 | 1.199 | 1.384 | 1.450 | 1.384 |
| 131.0 | 1.397 | 1.331 | 1.146 | 0.949 | 0.909 | 0.962 | 1.186 | 1.410 | 1.463 | 1.384 |
| 131.5 | 1.397 | 1.331 | 1.146 | 0.962 | 0.922 | 0.962 | 1.173 | 1.423 | 1.476 | 1.397 |
| 132.0 | 1.397 | 1.344 | 1.146 | 0.962 | 0.936 | 0.975 | 1.173 | 1.436 | 1.476 | 1.410 |
| 132.5 | 1.397 | 1.423 | 1.146 | 0.975 | 0.949 | 0.975 | 1.173 | 1.436 | 1.476 | 1.436 |
| 133.0 | 1.397 | 1.489 | 1.146 | 0.975 | 0.949 | 0.975 | 1.160 | 1.450 | 1.489 | 1.476 |
| 133.5 | 1.397 | 1.436 | 1.146 | 0.975 | 0.962 | 0.975 | 1.160 | 1.450 | 1.489 | 1.489 |
| 134.0 | 1.410 | 1.436 | 1.146 | 0.988 | 0.962 | 0.975 | 1.146 | 1.450 | 1.502 | 1.436 |
| 134.5 | 1.410 | 1.436 | 1.146 | 0.988 | 0.975 | 0.975 | 1.146 | 1.450 | 1.502 | 1.436 |
| 135.0 | 1.423 | 1.436 | 1.133 | 0.988 | 0.988 | 0.975 | 1.146 | 1.450 | 1.515 | 1.450 |
| 135.5 | 1.423 | 1.436 | 1.120 | 0.988 | 0.988 | 0.975 | 1.133 | 1.450 | 1.515 | 1.450 |
| 136.0 | 1.436 | 1.436 | 1.107 | 0.988 | 0.975 | 0.975 | 1.120 | 1.436 | 1.515 | 1.463 |
| 136.5 | 1.450 | 1.436 | 1.107 | 1.002 | 0.975 | 0.988 | 1.107 | 1.436 | 1.502 | 1.463 |
| 137.0 | 1.463 | 1.436 | 1.107 | 1.002 | 0.975 | 0.975 | 1.107 | 1.436 | 1.502 | 1.450 |
| 137.5 | 1.463 | 1.436 | 1.094 | 1.015 | 0.975 | 0.988 | 1.094 | 1.423 | 1.502 | 1.450 |
| 138.0 | 1.463 | 1.436 | 1.081 | 1.028 | 0.988 | 0.988 | 1.054 | 1.423 | 1.489 | 1.450 |
| 138.5 | 1.463 | 1.436 | 1.067 | 1.028 | 0.988 | 0.975 | 1.041 | 1.410 | 1.489 | 1.436 |

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**CANDELA TABULATION - (Cont.)**

|       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 139.0 | 1.450 | 1.436 | 1.054 | 1.041 | 0.988 | 0.988 | 1.028 | 1.397 | 1.476 | 1.450 |
| 139.5 | 1.450 | 1.436 | 1.054 | 1.041 | 1.002 | 0.988 | 1.028 | 1.397 | 1.463 | 1.436 |
| 140.0 | 1.450 | 1.436 | 1.041 | 1.054 | 1.002 | 0.988 | 1.028 | 1.384 | 1.463 | 1.436 |
| 140.5 | 1.450 | 1.436 | 1.054 | 1.054 | 1.002 | 0.988 | 1.028 | 1.384 | 1.463 | 1.423 |
| 141.0 | 1.450 | 1.423 | 1.067 | 1.054 | 1.015 | 0.975 | 1.041 | 1.371 | 1.450 | 1.423 |
| 141.5 | 1.450 | 1.423 | 1.067 | 1.054 | 1.028 | 0.975 | 1.041 | 1.357 | 1.436 | 1.410 |
| 142.0 | 1.450 | 1.410 | 1.081 | 1.054 | 1.028 | 0.975 | 1.041 | 1.344 | 1.436 | 1.397 |
| 142.5 | 1.450 | 1.410 | 1.081 | 1.054 | 1.028 | 0.975 | 1.054 | 1.344 | 1.423 | 1.397 |
| 143.0 | 1.436 | 1.410 | 1.094 | 1.054 | 1.041 | 0.975 | 1.054 | 1.344 | 1.410 | 1.397 |
| 143.5 | 1.436 | 1.384 | 1.094 | 1.067 | 1.041 | 0.975 | 1.054 | 1.331 | 1.397 | 1.384 |
| 144.0 | 1.423 | 1.371 | 1.094 | 1.067 | 1.054 | 0.988 | 1.054 | 1.318 | 1.384 | 1.371 |
| 144.5 | 1.410 | 1.357 | 1.107 | 1.067 | 1.054 | 1.002 | 1.081 | 1.318 | 1.344 | 1.371 |
| 145.0 | 1.397 | 1.318 | 1.133 | 1.081 | 1.054 | 1.002 | 1.094 | 1.278 | 1.331 | 1.344 |
| 145.5 | 1.397 | 1.305 | 1.146 | 1.081 | 1.067 | 1.002 | 1.107 | 1.278 | 1.318 | 1.305 |
| 146.0 | 1.371 | 1.291 | 1.160 | 1.067 | 1.067 | 1.002 | 1.120 | 1.278 | 1.305 | 1.291 |
| 146.5 | 1.357 | 1.265 | 1.160 | 1.067 | 1.081 | 1.002 | 1.120 | 1.252 | 1.291 | 1.291 |
| 147.0 | 1.331 | 1.239 | 1.160 | 1.067 | 1.081 | 1.002 | 1.133 | 1.199 | 1.278 | 1.265 |
| 147.5 | 1.278 | 1.226 | 1.173 | 1.067 | 1.081 | 1.002 | 1.146 | 1.199 | 1.239 | 1.226 |
| 148.0 | 1.265 | 1.226 | 1.173 | 1.067 | 1.081 | 1.002 | 1.146 | 1.199 | 1.199 | 1.212 |
| 148.5 | 1.252 | 1.239 | 1.173 | 1.067 | 1.067 | 1.015 | 1.160 | 1.212 | 1.199 | 1.212 |
| 149.0 | 1.212 | 1.239 | 1.199 | 1.067 | 1.067 | 1.015 | 1.173 | 1.212 | 1.173 | 1.199 |
| 149.5 | 1.186 | 1.265 | 1.226 | 1.067 | 1.067 | 1.015 | 1.199 | 1.239 | 1.146 | 1.199 |
| 150.0 | 1.186 | 1.265 | 1.226 | 1.081 | 1.067 | 1.002 | 1.212 | 1.239 | 1.120 | 1.199 |
| 150.5 | 1.186 | 1.278 | 1.199 | 1.081 | 1.054 | 1.002 | 1.199 | 1.239 | 1.120 | 1.212 |
| 151.0 | 1.199 | 1.291 | 1.186 | 1.094 | 1.054 | 1.028 | 1.186 | 1.265 | 1.133 | 1.226 |
| 151.5 | 1.226 | 1.318 | 1.199 | 1.107 | 1.041 | 1.028 | 1.186 | 1.278 | 1.133 | 1.212 |
| 152.0 | 1.239 | 1.318 | 1.212 | 1.120 | 1.041 | 1.041 | 1.199 | 1.278 | 1.173 | 1.212 |
| 152.5 | 1.252 | 1.331 | 1.212 | 1.133 | 1.054 | 1.054 | 1.199 | 1.278 | 1.173 | 1.212 |
| 153.0 | 1.291 | 1.331 | 1.226 | 1.133 | 1.081 | 1.054 | 1.199 | 1.278 | 1.199 | 1.199 |
| 153.5 | 1.291 | 1.344 | 1.212 | 1.133 | 1.081 | 1.054 | 1.199 | 1.291 | 1.226 | 1.186 |
| 154.0 | 1.291 | 1.344 | 1.212 | 1.133 | 1.094 | 1.067 | 1.199 | 1.305 | 1.226 | 1.186 |
| 154.5 | 1.291 | 1.344 | 1.212 | 1.133 | 1.094 | 1.081 | 1.212 | 1.318 | 1.226 | 1.186 |
| 155.0 | 1.291 | 1.357 | 1.212 | 1.133 | 1.081 | 1.094 | 1.226 | 1.318 | 1.226 | 1.186 |
| 155.5 | 1.291 | 1.357 | 1.212 | 1.133 | 1.067 | 1.094 | 1.226 | 1.305 | 1.226 | 1.186 |
| 156.0 | 1.305 | 1.357 | 1.212 | 1.133 | 1.054 | 1.107 | 1.239 | 1.291 | 1.226 | 1.186 |
| 156.5 | 1.305 | 1.357 | 1.212 | 1.133 | 1.054 | 1.120 | 1.239 | 1.291 | 1.239 | 1.212 |
| 157.0 | 1.305 | 1.357 | 1.212 | 1.133 | 1.054 | 1.120 | 1.252 | 1.291 | 1.239 | 1.212 |
| 157.5 | 1.318 | 1.357 | 1.199 | 1.133 | 1.054 | 1.120 | 1.252 | 1.278 | 1.252 | 1.212 |
| 158.0 | 1.318 | 1.357 | 1.199 | 1.133 | 1.054 | 1.107 | 1.265 | 1.265 | 1.252 | 1.226 |
| 158.5 | 1.318 | 1.357 | 1.199 | 1.146 | 1.054 | 1.107 | 1.265 | 1.265 | 1.252 | 1.226 |
| 159.0 | 1.318 | 1.344 | 1.212 | 1.146 | 1.054 | 1.107 | 1.265 | 1.265 | 1.252 | 1.226 |
| 159.5 | 1.331 | 1.344 | 1.226 | 1.160 | 1.054 | 1.120 | 1.265 | 1.265 | 1.265 | 1.239 |
| 160.0 | 1.331 | 1.331 | 1.226 | 1.160 | 1.067 | 1.120 | 1.265 | 1.265 | 1.265 | 1.239 |
| 160.5 | 1.331 | 1.331 | 1.239 | 1.173 | 1.067 | 1.133 | 1.278 | 1.265 | 1.252 | 1.239 |
| 161.0 | 1.331 | 1.331 | 1.252 | 1.173 | 1.081 | 1.133 | 1.291 | 1.265 | 1.252 | 1.226 |
| 161.5 | 1.344 | 1.331 | 1.265 | 1.173 | 1.094 | 1.146 | 1.291 | 1.265 | 1.252 | 1.226 |
| 162.0 | 1.331 | 1.331 | 1.265 | 1.173 | 1.107 | 1.146 | 1.305 | 1.278 | 1.226 | 1.226 |
| 162.5 | 1.344 | 1.331 | 1.265 | 1.173 | 1.120 | 1.146 | 1.305 | 1.278 | 1.226 | 1.212 |
| 163.0 | 1.344 | 1.331 | 1.278 | 1.173 | 1.120 | 1.160 | 1.318 | 1.291 | 1.226 | 1.226 |
| 163.5 | 1.357 | 1.344 | 1.278 | 1.173 | 1.133 | 1.160 | 1.318 | 1.305 | 1.239 | 1.239 |
| 164.0 | 1.357 | 1.344 | 1.291 | 1.186 | 1.146 | 1.186 | 1.331 | 1.318 | 1.239 | 1.252 |
| 164.5 | 1.357 | 1.344 | 1.305 | 1.186 | 1.160 | 1.186 | 1.344 | 1.318 | 1.252 | 1.252 |
| 165.0 | 1.371 | 1.357 | 1.305 | 1.186 | 1.160 | 1.212 | 1.371 | 1.331 | 1.239 | 1.265 |
| 165.5 | 1.384 | 1.357 | 1.318 | 1.186 | 1.160 | 1.212 | 1.371 | 1.344 | 1.252 | 1.278 |
| 166.0 | 1.384 | 1.371 | 1.331 | 1.212 | 1.186 | 1.226 | 1.371 | 1.371 | 1.265 | 1.278 |
| 166.5 | 1.397 | 1.371 | 1.331 | 1.226 | 1.239 | 1.239 | 1.384 | 1.384 | 1.252 | 1.278 |

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

|       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 167.0 | 1.397 | 1.371 | 1.344 | 1.226 | 1.291 | 1.252 | 1.397 | 1.384 | 1.265 | 1.291 |
| 167.5 | 1.410 | 1.384 | 1.357 | 1.212 | 1.265 | 1.265 | 1.410 | 1.397 | 1.278 | 1.291 |
| 168.0 | 1.423 | 1.397 | 1.384 | 1.226 | 1.212 | 1.278 | 1.410 | 1.410 | 1.291 | 1.305 |
| 168.5 | 1.436 | 1.410 | 1.384 | 1.239 | 1.186 | 1.278 | 1.423 | 1.423 | 1.331 | 1.331 |
| 169.0 | 1.436 | 1.410 | 1.371 | 1.252 | 1.186 | 1.278 | 1.423 | 1.423 | 1.331 | 1.331 |
| 169.5 | 1.436 | 1.423 | 1.384 | 1.252 | 1.199 | 1.291 | 1.423 | 1.423 | 1.344 | 1.344 |
| 170.0 | 1.436 | 1.423 | 1.384 | 1.252 | 1.212 | 1.291 | 1.410 | 1.423 | 1.357 | 1.357 |
| 170.5 | 1.436 | 1.410 | 1.371 | 1.252 | 1.252 | 1.291 | 1.410 | 1.410 | 1.371 | 1.371 |
| 171.0 | 1.450 | 1.410 | 1.371 | 1.252 | 1.331 | 1.291 | 1.410 | 1.397 | 1.410 | 1.410 |
| 171.5 | 1.450 | 1.397 | 1.384 | 1.265 | 1.371 | 1.291 | 1.410 | 1.397 | 1.423 | 1.423 |
| 172.0 | 1.450 | 1.397 | 1.384 | 1.265 | 1.318 | 1.291 | 1.423 | 1.384 | 1.423 | 1.423 |
| 172.5 | 1.450 | 1.397 | 1.397 | 1.265 | 1.226 | 1.291 | 1.423 | 1.384 | 1.423 | 1.423 |
| 173.0 | 1.463 | 1.423 | 1.410 | 1.265 | 1.212 | 1.305 | 1.423 | 1.384 | 1.423 | 1.423 |
| 173.5 | 1.476 | 1.450 | 1.423 | 1.291 | 1.239 | 1.318 | 1.423 | 1.397 | 1.423 | 1.423 |
| 174.0 | 1.489 | 1.463 | 1.450 | 1.305 | 1.252 | 1.318 | 1.423 | 1.397 | 1.423 | 1.423 |
| 174.5 | 1.489 | 1.489 | 1.476 | 1.331 | 1.278 | 1.318 | 1.423 | 1.397 | 1.423 | 1.423 |
| 175.0 | 1.489 | 1.489 | 1.489 | 1.344 | 1.291 | 1.318 | 1.423 | 1.397 | 1.423 | 1.423 |
| 175.5 | 1.489 | 1.489 | 1.489 | 1.344 | 1.291 | 1.318 | 1.423 | 1.397 | 1.423 | 1.423 |
| 176.0 | 1.476 | 1.489 | 1.489 | 1.344 | 1.318 | 1.305 | 1.410 | 1.384 | 1.410 | 1.410 |
| 176.5 | 1.463 | 1.476 | 1.489 | 1.344 | 1.331 | 1.305 | 1.397 | 1.384 | 1.410 | 1.410 |
| 177.0 | 1.463 | 1.476 | 1.489 | 1.344 | 1.344 | 1.305 | 1.384 | 1.384 | 1.397 | 1.410 |
| 177.5 | 1.450 | 1.463 | 1.476 | 1.344 | 1.344 | 1.318 | 1.384 | 1.371 | 1.397 | 1.397 |
| 178.0 | 1.436 | 1.463 | 1.476 | 1.371 | 1.357 | 1.318 | 1.384 | 1.371 | 1.397 | 1.397 |
| 178.5 | 1.423 | 1.450 | 1.463 | 1.384 | 1.384 | 1.318 | 1.371 | 1.357 | 1.397 | 1.397 |
| 179.0 | 1.410 | 1.450 | 1.463 | 1.397 | 1.410 | 1.331 | 1.384 | 1.357 | 1.397 | 1.397 |
| 179.5 | 1.410 | 1.450 | 1.463 | 1.410 | 1.436 | 1.331 | 1.384 | 1.344 | 1.397 | 1.397 |
| 180.0 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 |

**Vert. Angles**      **Horizontal Angles**

|      | <u>225.0</u> | <u>247.5</u> | <u>270.0</u> | <u>292.5</u> | <u>315.0</u> | <u>337.5</u> | <u>360.0</u> |
|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0  | 2399.767     | 2399.767     | 2399.767     | 2399.767     | 2399.767     | 2399.767     | 2399.767     |
| 0.5  | 2399.384     | 2399.358     | 2398.291     | 2398.264     | 2399.398     | 2399.411     | 2399.793     |
| 1.0  | 2398.950     | 2398.225     | 2397.843     | 2397.869     | 2398.264     | 2398.646     | 2399.793     |
| 1.5  | 2397.513     | 2397.039     | 2395.971     | 2396.340     | 2397.118     | 2397.500     | 2399.042     |
| 2.0  | 2396.367     | 2395.247     | 2394.891     | 2395.167     | 2395.958     | 2396.722     | 2398.317     |
| 2.5  | 2394.838     | 2393.349     | 2392.993     | 2393.573     | 2394.416     | 2395.576     | 2397.553     |
| 3.0  | 2392.927     | 2391.412     | 2390.713     | 2391.069     | 2392.888     | 2394.403     | 2396.419     |
| 3.5  | 2390.990     | 2388.750     | 2388.407     | 2389.501     | 2390.951     | 2392.967     | 2394.891     |
| 4.0  | 2388.723     | 2386.839     | 2385.732     | 2386.127     | 2388.816     | 2391.082     | 2393.441     |
| 4.5  | 2386.061     | 2383.782     | 2382.688     | 2383.465     | 2386.154     | 2389.171     | 2392.268     |
| 5.0  | 2383.373     | 2380.711     | 2379.578     | 2380.764     | 2383.848     | 2386.865     | 2390.371     |
| 5.5  | 2380.830     | 2377.443     | 2375.980     | 2377.654     | 2381.107     | 2384.559     | 2388.078     |
| 6.0  | 2377.404     | 2373.648     | 2372.541     | 2374.241     | 2377.680     | 2382.240     | 2386.285     |
| 6.5  | 2374.333     | 2370.182     | 2369.062     | 2370.630     | 2374.583     | 2379.209     | 2383.650     |
| 7.0  | 2370.880     | 2366.347     | 2364.515     | 2366.426     | 2370.999     | 2376.323     | 2381.357     |
| 7.5  | 2367.072     | 2362.183     | 2360.997     | 2362.947     | 2367.217     | 2373.635     | 2377.917     |
| 8.0  | 2362.842     | 2357.926     | 2355.317     | 2358.032     | 2363.738     | 2370.222     | 2375.598     |
| 8.5  | 2358.849     | 2353.235     | 2351.364     | 2354.065     | 2359.508     | 2366.729     | 2372.027     |
| 9.0  | 2354.592     | 2348.214     | 2345.934     | 2348.293     | 2355.238     | 2362.855     | 2368.561     |
| 9.5  | 2350.006     | 2343.259     | 2340.228     | 2343.312     | 2350.586     | 2358.559     | 2364.792     |
| 10.0 | 2345.289     | 2337.962     | 2335.023     | 2338.370     | 2346.383     | 2354.368     | 2361.709     |
| 10.5 | 2340.716     | 2332.546     | 2330.608     | 2333.310     | 2341.414     | 2350.165     | 2356.819     |
| 11.0 | 2335.445     | 2326.365     | 2323.492     | 2326.905     | 2336.486     | 2345.987     | 2352.945     |
| 11.5 | 2330.015     | 2320.185     | 2316.376     | 2320.514     | 2331.373     | 2341.335     | 2348.320     |
| 12.0 | 2323.795     | 2314.017     | 2309.260     | 2314.110     | 2324.415     | 2336.301     | 2343.734     |

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|
| 12.5 | 2317.589 | 2307.837 | 2302.197 | 2307.705 | 2317.444 | 2331.663 | 2338.779 |
| 13.0 | 2311.382 | 2301.590 | 2296.715 | 2301.287 | 2310.486 | 2326.312 | 2333.863 |
| 13.5 | 2305.175 | 2293.802 | 2289.322 | 2294.303 | 2303.580 | 2320.975 | 2328.553 |
| 14.0 | 2298.955 | 2286.515 | 2281.428 | 2286.660 | 2300.167 | 2315.638 | 2323.176 |
| 14.5 | 2292.340 | 2278.938 | 2273.706 | 2279.109 | 2293.526 | 2310.288 | 2317.786 |
| 15.0 | 2285.355 | 2271.149 | 2265.760 | 2271.387 | 2286.436 | 2304.780 | 2312.093 |
| 15.5 | 2277.620 | 2262.953 | 2257.378 | 2263.572 | 2279.017 | 2296.767 | 2306.295 |
| 16.0 | 2270.042 | 2254.545 | 2248.786 | 2255.178 | 2271.624 | 2290.310 | 2300.220 |
| 16.5 | 2262.623 | 2246.006 | 2239.891 | 2246.480 | 2264.099 | 2283.313 | 2294.105 |
| 17.0 | 2254.598 | 2237.493 | 2231.220 | 2238.178 | 2256.192 | 2276.341 | 2287.543 |
| 17.5 | 2246.309 | 2228.782 | 2221.850 | 2229.336 | 2247.969 | 2269.252 | 2281.033 |
| 18.0 | 2238.046 | 2219.281 | 2212.534 | 2220.322 | 2239.865 | 2261.806 | 2273.719 |
| 18.5 | 2229.388 | 2209.990 | 2202.742 | 2211.084 | 2231.404 | 2254.176 | 2266.827 |
| 19.0 | 2220.467 | 2200.476 | 2193.017 | 2201.306 | 2222.364 | 2246.322 | 2259.645 |
| 19.5 | 2211.479 | 2190.961 | 2182.923 | 2191.765 | 2213.865 | 2238.639 | 2252.002 |
| 20.0 | 2202.558 | 2180.985 | 2172.670 | 2182.026 | 2204.864 | 2230.390 | 2244.675 |
| 20.5 | 2193.386 | 2170.693 | 2162.312 | 2172.024 | 2195.718 | 2221.929 | 2237.414 |
| 21.0 | 2183.713 | 2160.586 | 2151.954 | 2161.891 | 2185.967 | 2213.535 | 2228.993 |
| 21.5 | 2173.474 | 2149.885 | 2140.911 | 2151.164 | 2176.399 | 2204.943 | 2220.572 |
| 22.0 | 2163.735 | 2139.211 | 2129.776 | 2140.318 | 2166.845 | 2195.916 | 2212.652 |
| 22.5 | 2153.812 | 2128.115 | 2118.548 | 2129.459 | 2156.817 | 2186.586 | 2204.390 |
| 23.0 | 2143.520 | 2117.204 | 2107.584 | 2118.601 | 2146.420 | 2177.520 | 2195.534 |
| 23.5 | 2132.886 | 2106.003 | 2095.803 | 2107.399 | 2136.259 | 2168.176 | 2186.731 |
| 24.0 | 2122.343 | 2094.340 | 2083.995 | 2095.724 | 2125.559 | 2158.464 | 2177.375 |
| 24.5 | 2111.827 | 2082.678 | 2071.727 | 2084.167 | 2114.871 | 2148.488 | 2168.137 |
| 25.0 | 2100.270 | 2070.844 | 2059.945 | 2072.583 | 2103.749 | 2138.565 | 2158.912 |
| 25.5 | 2089.056 | 2058.891 | 2047.453 | 2060.670 | 2092.798 | 2128.524 | 2149.042 |
| 26.0 | 2077.854 | 2046.596 | 2035.026 | 2048.388 | 2081.531 | 2118.153 | 2139.106 |
| 26.5 | 2066.416 | 2034.525 | 2022.270 | 2036.146 | 2070.448 | 2107.755 | 2129.104 |
| 27.0 | 2054.503 | 2022.309 | 2009.895 | 2024.128 | 2058.483 | 2097.173 | 2118.706 |
| 27.5 | 2042.564 | 2009.408 | 1996.757 | 2011.095 | 2046.794 | 2086.236 | 2108.388 |
| 28.0 | 2030.690 | 1996.217 | 1983.658 | 1998.325 | 2035.052 | 2075.100 | 2098.004 |
| 28.5 | 2018.474 | 1983.724 | 1970.335 | 1985.714 | 2022.942 | 2063.833 | 2087.000 |
| 29.0 | 2005.876 | 1970.467 | 1957.025 | 1972.773 | 2010.449 | 2052.605 | 2076.708 |
| 29.5 | 1993.318 | 1957.276 | 1943.571 | 1959.173 | 1998.154 | 2041.233 | 2065.573 |
| 30.0 | 1981.088 | 1943.716 | 1929.918 | 1946.153 | 1985.859 | 2029.293 | 2054.108 |
| 30.5 | 1968.200 | 1930.327 | 1916.134 | 1932.501 | 1973.050 | 2017.631 | 2042.564 |
| 31.0 | 1954.864 | 1916.384 | 1902.007 | 1918.822 | 1959.727 | 2005.494 | 2031.033 |
| 31.5 | 1941.541 | 1902.534 | 1888.078 | 1904.801 | 1946.720 | 1993.252 | 2019.818 |
| 32.0 | 1928.495 | 1888.552 | 1874.109 | 1891.122 | 1933.911 | 1980.891 | 2008.090 |
| 32.5 | 1915.040 | 1874.887 | 1859.653 | 1877.153 | 1920.364 | 1968.569 | 1995.413 |
| 33.0 | 1901.493 | 1860.694 | 1845.210 | 1862.987 | 1906.843 | 1955.852 | 1983.948 |
| 33.5 | 1887.749 | 1845.869 | 1831.307 | 1848.623 | 1893.402 | 1943.162 | 1970.493 |
| 34.0 | 1873.819 | 1831.558 | 1816.601 | 1834.338 | 1879.815 | 1929.892 | 1957.579 |
| 34.5 | 1859.653 | 1817.194 | 1801.788 | 1819.631 | 1865.438 | 1916.898 | 1944.875 |
| 35.0 | 1845.605 | 1802.579 | 1786.555 | 1805.254 | 1851.614 | 1903.707 | 1933.094 |
| 35.5 | 1831.228 | 1787.662 | 1772.125 | 1790.310 | 1837.422 | 1890.028 | 1919.152 |
| 36.0 | 1817.062 | 1772.784 | 1757.010 | 1775.762 | 1823.308 | 1876.521 | 1906.106 |
| 36.5 | 1802.329 | 1758.314 | 1742.211 | 1761.292 | 1808.562 | 1862.895 | 1892.664 |
| 37.0 | 1787.161 | 1743.120 | 1726.384 | 1745.914 | 1794.277 | 1849.163 | 1879.420 |
| 37.5 | 1772.573 | 1727.570 | 1711.058 | 1730.614 | 1779.360 | 1834.878 | 1865.214 |
| 38.0 | 1757.972 | 1712.679 | 1695.653 | 1715.433 | 1764.468 | 1820.317 | 1851.588 |
| 38.5 | 1742.553 | 1697.247 | 1680.300 | 1700.450 | 1749.287 | 1806.243 | 1837.619 |
| 39.0 | 1727.385 | 1681.460 | 1664.250 | 1684.873 | 1734.726 | 1791.971 | 1823.624 |
| 39.5 | 1712.336 | 1665.857 | 1648.594 | 1669.007 | 1719.413 | 1777.356 | 1808.970 |
| 40.0 | 1697.366 | 1650.452 | 1632.715 | 1653.694 | 1704.153 | 1762.518 | 1793.895 |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|
| 40.5 | 1681.289 | 1634.955 | 1616.993 | 1638.276 | 1688.893 | 1747.587 | 1779.821 |
| 41.0 | 1665.752 | 1618.364 | 1600.231 | 1622.146 | 1673.501 | 1732.723 | 1764.613 |
| 41.5 | 1650.307 | 1602.260 | 1584.127 | 1606.056 | 1657.608 | 1717.317 | 1749.683 |
| 42.0 | 1634.639 | 1586.618 | 1567.747 | 1590.242 | 1642.111 | 1702.189 | 1735.213 |
| 42.5 | 1618.390 | 1570.765 | 1551.538 | 1574.112 | 1626.402 | 1687.034 | 1719.782 |
| 43.0 | 1602.735 | 1553.910 | 1534.512 | 1557.771 | 1610.787 | 1671.339 | 1704.284 |
| 43.5 | 1586.882 | 1537.398 | 1517.829 | 1541.338 | 1594.643 | 1655.249 | 1688.734 |
| 44.0 | 1570.633 | 1521.110 | 1501.304 | 1524.919 | 1578.685 | 1639.554 | 1672.605 |
| 44.5 | 1554.451 | 1504.229 | 1484.436 | 1507.893 | 1562.726 | 1623.701 | 1656.541 |
| 45.0 | 1537.767 | 1487.071 | 1466.540 | 1490.867 | 1546.333 | 1607.163 | 1640.687 |
| 45.5 | 1521.848 | 1470.111 | 1450.160 | 1474.434 | 1530.045 | 1590.861 | 1624.544 |
| 46.0 | 1505.125 | 1453.415 | 1432.844 | 1457.685 | 1513.731 | 1574.863 | 1608.309 |
| 46.5 | 1488.310 | 1436.270 | 1415.594 | 1440.131 | 1497.153 | 1558.549 | 1591.389 |
| 47.0 | 1471.535 | 1418.493 | 1397.606 | 1422.631 | 1480.680 | 1541.286 | 1575.180 |
| 47.5 | 1454.957 | 1401.375 | 1380.567 | 1405.486 | 1463.865 | 1524.392 | 1558.760 |
| 48.0 | 1437.970 | 1384.033 | 1363.080 | 1388.500 | 1446.826 | 1507.721 | 1541.945 |
| 48.5 | 1420.536 | 1366.242 | 1345.500 | 1370.525 | 1430.011 | 1490.774 | 1524.563 |
| 49.0 | 1403.984 | 1348.874 | 1328.053 | 1352.919 | 1413.367 | 1473.709 | 1507.919 |
| 49.5 | 1386.774 | 1331.347 | 1310.315 | 1335.590 | 1396.328 | 1455.945 | 1490.445 |
| 50.0 | 1369.115 | 1313.754 | 1292.340 | 1318.327 | 1378.986 | 1438.853 | 1472.668 |
| 50.5 | 1351.351 | 1295.332 | 1274.458 | 1299.970 | 1361.591 | 1421.234 | 1454.706 |
| 51.0 | 1333.956 | 1277.568 | 1256.522 | 1282.154 | 1343.932 | 1403.773 | 1437.575 |
| 51.5 | 1316.443 | 1260.173 | 1238.877 | 1264.838 | 1326.418 | 1385.812 | 1419.613 |
| 52.0 | 1298.376 | 1242.027 | 1220.560 | 1246.771 | 1308.628 | 1368.140 | 1401.652 |
| 52.5 | 1280.599 | 1223.986 | 1202.717 | 1228.400 | 1291.062 | 1349.994 | 1383.005 |
| 53.0 | 1262.545 | 1205.603 | 1184.610 | 1210.478 | 1272.968 | 1332.098 | 1365.531 |
| 53.5 | 1244.346 | 1187.680 | 1166.411 | 1192.820 | 1254.572 | 1313.478 | 1346.475 |
| 54.0 | 1225.633 | 1169.785 | 1148.120 | 1174.107 | 1236.268 | 1295.252 | 1328.672 |
| 54.5 | 1207.197 | 1150.743 | 1129.803 | 1155.592 | 1218.188 | 1276.948 | 1310.328 |
| 55.0 | 1189.077 | 1132.781 | 1111.551 | 1137.525 | 1200.002 | 1258.051 | 1291.589 |
| 55.5 | 1170.575 | 1114.595 | 1093.221 | 1119.563 | 1181.671 | 1239.536 | 1272.850 |
| 56.0 | 1152.060 | 1096.278 | 1075.048 | 1101.325 | 1162.563 | 1221.166 | 1253.650 |
| 56.5 | 1133.229 | 1077.157 | 1056.480 | 1082.336 | 1144.259 | 1202.124 | 1234.317 |
| 57.0 | 1114.134 | 1058.958 | 1038.123 | 1063.741 | 1125.204 | 1183.108 | 1215.407 |
| 57.5 | 1095.303 | 1040.574 | 1019.094 | 1045.253 | 1106.254 | 1163.670 | 1196.022 |
| 58.0 | 1076.326 | 1021.809 | 1000.619 | 1026.764 | 1087.541 | 1144.878 | 1176.664 |
| 58.5 | 1057.759 | 1002.595 | 982.525  | 1008.117 | 1068.802 | 1125.994 | 1157.068 |
| 59.0 | 1038.387 | 984.528  | 964.129  | 989.470  | 1049.351 | 1106.504 | 1137.657 |
| 59.5 | 1019.529 | 966.079  | 945.574  | 970.823  | 1030.296 | 1087.290 | 1118.061 |
| 60.0 | 999.907  | 946.708  | 926.624  | 952.084  | 1011.293 | 1068.011 | 1097.991 |
| 60.5 | 980.944  | 927.863  | 907.714  | 933.134  | 992.079  | 1048.323 | 1077.921 |
| 61.0 | 961.441  | 909.361  | 889.238  | 914.527  | 972.286  | 1028.556 | 1057.838 |
| 61.5 | 941.819  | 890.780  | 870.605  | 896.078  | 953.099  | 1009.264 | 1037.768 |
| 62.0 | 922.737  | 871.619  | 851.892  | 877.484  | 933.964  | 990.472  | 1017.750 |
| 62.5 | 903.563  | 852.722  | 832.850  | 858.033  | 914.342  | 969.940  | 997.482  |
| 63.0 | 883.809  | 834.378  | 814.387  | 839.465  | 894.773  | 949.976  | 977.162  |
| 63.5 | 864.121  | 815.494  | 795.385  | 820.634  | 874.993  | 930.222  | 956.644  |
| 64.0 | 844.156  | 795.609  | 776.435  | 801.433  | 855.371  | 910.508  | 935.981  |
| 64.5 | 825.127  | 777.028  | 758.183  | 782.259  | 836.039  | 889.989  | 915.449  |
| 65.0 | 805.189  | 758.763  | 739.549  | 764.087  | 816.562  | 870.077  | 894.707  |
| 65.5 | 785.554  | 739.866  | 720.323  | 744.900  | 796.742  | 850.021  | 873.939  |
| 66.0 | 766.077  | 720.415  | 701.346  | 725.699  | 777.014  | 829.832  | 852.920  |
| 66.5 | 746.718  | 701.702  | 682.765  | 706.987  | 757.577  | 809.261  | 831.848  |
| 67.0 | 726.846  | 682.963  | 664.145  | 688.353  | 737.823  | 788.400  | 810.671  |
| 67.5 | 706.934  | 663.894  | 645.024  | 668.704  | 718.030  | 767.724  | 789.560  |
| 68.0 | 687.615  | 644.734  | 626.495  | 649.847  | 698.632  | 747.245  | 768.673  |

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**CANDELA TABULATION - (Cont.)**

|      |         |         |         |         |         |         |         |
|------|---------|---------|---------|---------|---------|---------|---------|
| 68.5 | 668.322 | 626.522 | 608.336 | 631.780 | 678.865 | 726.358 | 747.535 |
| 69.0 | 648.134 | 607.479 | 589.742 | 612.896 | 658.913 | 704.983 | 725.739 |
| 69.5 | 628.261 | 588.411 | 571.214 | 593.353 | 638.896 | 683.938 | 704.259 |
| 70.0 | 608.955 | 569.487 | 552.264 | 575.154 | 619.353 | 663.486 | 683.095 |
| 70.5 | 589.650 | 551.262 | 534.144 | 556.691 | 600.008 | 641.993 | 661.878 |
| 71.0 | 569.514 | 532.563 | 515.866 | 538.084 | 579.779 | 620.684 | 640.583 |
| 71.5 | 550.234 | 514.430 | 497.773 | 519.516 | 560.342 | 600.640 | 618.589 |
| 72.0 | 531.390 | 495.783 | 479.442 | 501.383 | 541.089 | 579.068 | 597.398 |
| 72.5 | 511.741 | 477.821 | 461.428 | 483.040 | 521.664 | 558.246 | 575.958 |
| 73.0 | 492.093 | 459.332 | 443.282 | 464.696 | 501.673 | 537.228 | 554.425 |
| 73.5 | 472.695 | 441.173 | 425.359 | 446.286 | 482.460 | 516.604 | 532.918 |
| 74.0 | 454.167 | 422.935 | 407.543 | 428.470 | 463.628 | 495.638 | 511.768 |
| 74.5 | 435.269 | 405.250 | 389.225 | 410.679 | 444.626 | 474.975 | 490.090 |
| 75.0 | 416.267 | 387.288 | 371.185 | 392.639 | 425.755 | 454.522 | 469.203 |
| 75.5 | 397.778 | 368.813 | 353.078 | 374.492 | 407.082 | 434.386 | 448.197 |
| 76.0 | 379.289 | 350.812 | 334.734 | 356.346 | 388.105 | 414.145 | 426.994 |
| 76.5 | 360.708 | 332.560 | 317.050 | 338.266 | 369.972 | 394.009 | 405.803 |
| 77.0 | 342.747 | 314.164 | 301.223 | 319.975 | 351.431 | 374.440 | 385.522 |
| 77.5 | 324.719 | 296.545 | 287.939 | 301.750 | 333.403 | 354.646 | 364.965 |
| 78.0 | 307.061 | 280.415 | 276.277 | 285.119 | 315.218 | 335.143 | 344.631 |
| 78.5 | 289.152 | 268.660 | 266.301 | 272.468 | 298.310 | 316.008 | 324.337 |
| 79.0 | 271.243 | 256.892 | 256.325 | 259.831 | 280.375 | 297.203 | 304.346 |
| 79.5 | 253.334 | 245.137 | 246.350 | 247.193 | 262.427 | 278.912 | 285.159 |
| 80.0 | 235.425 | 233.448 | 236.400 | 234.608 | 244.491 | 260.608 | 266.261 |
| 80.5 | 217.569 | 223.776 | 227.518 | 225.779 | 226.543 | 242.304 | 246.626 |
| 81.0 | 200.754 | 214.340 | 218.359 | 216.264 | 208.634 | 224.026 | 228.177 |
| 81.5 | 186.614 | 205.050 | 209.174 | 206.499 | 192.069 | 206.460 | 210.044 |
| 82.0 | 174.411 | 195.799 | 199.647 | 197.156 | 178.667 | 189.091 | 192.293 |
| 82.5 | 162.419 | 185.783 | 185.731 | 187.576 | 166.096 | 172.131 | 174.200 |
| 83.0 | 151.929 | 171.340 | 160.930 | 176.994 | 154.459 | 155.764 | 158.083 |
| 83.5 | 141.281 | 148.068 | 133.849 | 158.215 | 143.864 | 139.634 | 141.756 |
| 84.0 | 130.976 | 121.369 | 105.898 | 132.452 | 133.375 | 124.203 | 126.034 |
| 84.5 | 119.643 | 93.340  | 80.939  | 104.304 | 122.687 | 109.206 | 110.656 |
| 85.0 | 102.723 | 69.409  | 61.001  | 78.053  | 111.829 | 94.829  | 97.530  |
| 85.5 | 81.111  | 51.368  | 50.880  | 57.693  | 93.880  | 81.783  | 84.418  |
| 86.0 | 66.760  | 42.183  | 40.760  | 47.573  | 71.359  | 67.195  | 71.293  |
| 86.5 | 52.422  | 32.998  | 30.639  | 37.452  | 58.313  | 54.913  | 58.181  |
| 87.0 | 38.084  | 23.813  | 20.518  | 27.331  | 45.253  | 45.174  | 45.069  |
| 87.5 | 23.747  | 14.628  | 10.542  | 17.210  | 32.207  | 35.436  | 33.433  |
| 88.0 | 9.923   | 5.706   | 4.876   | 7.248   | 19.161  | 25.697  | 21.981  |
| 88.5 | 4.270   | 2.043   | 1.753   | 2.807   | 6.457   | 15.959  | 14.799  |
| 89.0 | 1.608   | 0.725   | 0.659   | 0.843   | 2.425   | 6.510   | 9.712   |
| 89.5 | 1.265   | 0.672   | 0.606   | 0.685   | 1.278   | 2.649   | 7.696   |
| 90.0 | 1.291   | 0.685   | 0.606   | 0.712   | 1.278   | 1.884   | 5.732   |
| 90.5 | 1.344   | 0.698   | 0.619   | 0.725   | 1.344   | 1.884   | 3.769   |
| 91.0 | 1.384   | 0.725   | 0.646   | 0.751   | 1.397   | 1.977   | 1.819   |
| 91.5 | 1.410   | 0.738   | 0.659   | 0.764   | 1.450   | 2.122   | 1.766   |
| 92.0 | 1.463   | 0.778   | 0.698   | 0.817   | 1.502   | 2.267   | 1.779   |
| 92.5 | 1.568   | 0.843   | 0.725   | 0.857   | 1.568   | 2.372   | 1.805   |
| 93.0 | 1.621   | 0.883   | 0.764   | 0.870   | 1.608   | 2.477   | 1.845   |
| 93.5 | 1.634   | 0.936   | 0.804   | 0.909   | 1.621   | 2.530   | 1.871   |
| 94.0 | 1.621   | 0.962   | 0.817   | 0.922   | 1.634   | 2.557   | 1.871   |
| 94.5 | 1.608   | 0.949   | 0.830   | 0.922   | 1.634   | 2.425   | 1.937   |
| 95.0 | 1.581   | 0.949   | 0.843   | 0.936   | 1.621   | 2.425   | 1.964   |
| 95.5 | 1.568   | 0.949   | 0.857   | 0.936   | 1.595   | 2.504   | 1.964   |
| 96.0 | 1.555   | 0.949   | 0.870   | 0.949   | 1.595   | 2.491   | 1.937   |

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**CANDELA TABULATION - (Cont.)**

|       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 96.5  | 1.542 | 0.949 | 0.870 | 0.949 | 1.581 | 2.833 | 1.924 |
| 97.0  | 1.529 | 0.962 | 0.870 | 0.936 | 1.634 | 3.295 | 1.898 |
| 97.5  | 1.529 | 0.962 | 0.870 | 0.936 | 2.056 | 3.070 | 1.898 |
| 98.0  | 1.555 | 0.962 | 0.883 | 0.949 | 1.726 | 3.558 | 1.937 |
| 98.5  | 1.568 | 0.962 | 0.883 | 0.949 | 2.451 | 4.125 | 2.095 |
| 99.0  | 1.581 | 0.988 | 0.883 | 0.975 | 2.557 | 3.967 | 2.135 |
| 99.5  | 1.568 | 1.120 | 0.883 | 1.133 | 2.372 | 4.072 | 2.201 |
| 100.0 | 1.555 | 1.028 | 0.949 | 1.305 | 2.095 | 3.835 | 2.174 |
| 100.5 | 1.568 | 1.054 | 1.318 | 1.067 | 1.766 | 3.439 | 2.227 |
| 101.0 | 1.568 | 1.081 | 0.988 | 1.081 | 1.647 | 3.374 | 2.491 |
| 101.5 | 1.608 | 1.094 | 1.002 | 1.107 | 1.621 | 2.754 | 2.543 |
| 102.0 | 1.713 | 1.107 | 1.015 | 1.107 | 1.634 | 2.267 | 2.319 |
| 102.5 | 2.108 | 1.107 | 1.028 | 1.120 | 1.674 | 2.253 | 2.161 |
| 103.0 | 1.871 | 1.120 | 1.041 | 1.133 | 2.214 | 2.240 | 2.319 |
| 103.5 | 1.595 | 1.133 | 1.054 | 1.146 | 2.517 | 2.227 | 2.398 |
| 104.0 | 1.634 | 1.133 | 1.054 | 1.160 | 2.319 | 2.227 | 2.095 |
| 104.5 | 1.595 | 1.133 | 1.067 | 1.173 | 1.871 | 2.188 | 2.385 |
| 105.0 | 1.555 | 1.146 | 1.067 | 1.173 | 1.660 | 2.148 | 2.240 |
| 105.5 | 1.542 | 1.146 | 1.067 | 1.173 | 1.647 | 2.161 | 2.253 |
| 106.0 | 1.542 | 1.146 | 1.067 | 1.173 | 1.687 | 2.570 | 2.227 |
| 106.5 | 1.515 | 1.146 | 1.067 | 1.173 | 2.135 | 2.675 | 2.029 |
| 107.0 | 1.502 | 1.146 | 1.067 | 1.173 | 2.385 | 2.069 | 2.108 |
| 107.5 | 1.489 | 1.133 | 1.054 | 1.173 | 1.779 | 2.029 | 2.227 |
| 108.0 | 1.489 | 1.133 | 1.054 | 1.173 | 1.608 | 2.043 | 1.937 |
| 108.5 | 1.476 | 1.133 | 1.054 | 1.160 | 1.621 | 2.596 | 2.043 |
| 109.0 | 1.463 | 1.120 | 1.054 | 1.160 | 1.608 | 3.558 | 2.122 |
| 109.5 | 1.436 | 1.120 | 1.041 | 1.160 | 1.581 | 2.820 | 1.792 |
| 110.0 | 1.423 | 1.107 | 1.041 | 1.146 | 1.568 | 2.003 | 2.082 |
| 110.5 | 1.397 | 1.094 | 1.028 | 1.146 | 1.542 | 1.884 | 1.739 |
| 111.0 | 1.384 | 1.081 | 1.028 | 1.133 | 1.515 | 1.871 | 2.108 |
| 111.5 | 1.357 | 1.081 | 1.015 | 1.133 | 1.502 | 1.871 | 1.674 |
| 112.0 | 1.344 | 1.067 | 1.002 | 1.133 | 1.489 | 2.122 | 1.779 |
| 112.5 | 1.331 | 1.081 | 1.002 | 1.120 | 1.463 | 2.609 | 1.792 |
| 113.0 | 1.318 | 1.081 | 0.988 | 1.107 | 1.450 | 2.557 | 2.003 |
| 113.5 | 1.305 | 1.041 | 0.988 | 1.094 | 1.436 | 2.412 | 1.726 |
| 114.0 | 1.291 | 1.028 | 1.002 | 1.094 | 1.410 | 1.832 | 1.476 |
| 114.5 | 1.278 | 1.015 | 1.041 | 1.094 | 1.410 | 1.713 | 1.476 |
| 115.0 | 1.252 | 1.015 | 0.962 | 1.107 | 1.397 | 1.687 | 2.016 |
| 115.5 | 1.239 | 1.015 | 0.949 | 1.094 | 1.384 | 1.660 | 1.674 |
| 116.0 | 1.226 | 1.002 | 0.949 | 1.081 | 1.357 | 1.647 | 1.911 |
| 116.5 | 1.212 | 0.988 | 0.936 | 1.067 | 1.344 | 1.634 | 1.542 |
| 117.0 | 1.199 | 0.975 | 0.949 | 1.041 | 1.331 | 1.660 | 1.515 |
| 117.5 | 1.186 | 0.949 | 0.936 | 1.028 | 1.331 | 1.805 | 1.476 |
| 118.0 | 1.186 | 0.936 | 0.922 | 1.002 | 1.344 | 1.805 | 1.436 |
| 118.5 | 1.212 | 0.922 | 0.909 | 0.988 | 1.344 | 2.056 | 1.568 |
| 119.0 | 1.476 | 0.909 | 0.896 | 0.975 | 1.357 | 1.950 | 1.568 |
| 119.5 | 1.713 | 0.896 | 0.883 | 0.975 | 1.410 | 1.581 | 1.674 |
| 120.0 | 1.463 | 0.883 | 0.870 | 0.962 | 1.397 | 1.700 | 1.647 |
| 120.5 | 1.186 | 0.870 | 0.857 | 0.949 | 1.318 | 1.515 | 1.450 |
| 121.0 | 1.160 | 0.870 | 0.843 | 0.949 | 1.278 | 1.502 | 1.436 |
| 121.5 | 1.173 | 0.857 | 0.830 | 0.936 | 1.252 | 1.476 | 1.436 |
| 122.0 | 1.186 | 0.857 | 0.830 | 0.936 | 1.252 | 1.463 | 1.436 |
| 122.5 | 1.160 | 0.857 | 0.817 | 0.936 | 1.252 | 1.450 | 1.436 |
| 123.0 | 1.146 | 0.857 | 0.804 | 0.936 | 1.239 | 1.450 | 1.436 |
| 123.5 | 1.146 | 0.857 | 0.804 | 0.936 | 1.252 | 1.502 | 1.450 |
| 124.0 | 1.160 | 0.857 | 0.804 | 0.936 | 1.252 | 1.450 | 1.450 |

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**PHOTOMETRIC FILENAME : LVL24H-40.IES**

**CANDELA TABULATION - (Cont.)**

|       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 124.5 | 1.173 | 0.857 | 0.817 | 0.936 | 1.265 | 1.410 | 1.450 |
| 125.0 | 1.173 | 0.870 | 0.817 | 0.936 | 1.265 | 1.397 | 1.450 |
| 125.5 | 1.173 | 0.870 | 0.830 | 0.936 | 1.252 | 1.397 | 1.450 |
| 126.0 | 1.173 | 0.870 | 0.843 | 0.936 | 1.252 | 1.397 | 1.436 |
| 126.5 | 1.173 | 0.870 | 0.843 | 0.949 | 1.252 | 1.384 | 1.423 |
| 127.0 | 1.173 | 0.883 | 0.857 | 0.949 | 1.252 | 1.384 | 1.423 |
| 127.5 | 1.173 | 0.883 | 0.870 | 0.962 | 1.252 | 1.371 | 1.410 |
| 128.0 | 1.173 | 0.896 | 0.883 | 0.962 | 1.239 | 1.371 | 1.410 |
| 128.5 | 1.173 | 0.909 | 0.896 | 0.975 | 1.239 | 1.371 | 1.410 |
| 129.0 | 1.173 | 0.909 | 0.909 | 0.988 | 1.239 | 1.410 | 1.397 |
| 129.5 | 1.173 | 0.922 | 0.922 | 1.002 | 1.239 | 1.515 | 1.397 |
| 130.0 | 1.173 | 0.936 | 0.936 | 1.015 | 1.239 | 1.410 | 1.397 |
| 130.5 | 1.173 | 0.936 | 0.949 | 1.015 | 1.252 | 1.357 | 1.397 |
| 131.0 | 1.173 | 0.949 | 0.975 | 1.028 | 1.252 | 1.357 | 1.397 |
| 131.5 | 1.173 | 0.962 | 0.988 | 1.041 | 1.252 | 1.357 | 1.397 |
| 132.0 | 1.173 | 0.962 | 1.002 | 1.041 | 1.252 | 1.371 | 1.397 |
| 132.5 | 1.173 | 0.962 | 1.015 | 1.054 | 1.252 | 1.397 | 1.397 |
| 133.0 | 1.173 | 0.975 | 1.028 | 1.067 | 1.252 | 1.450 | 1.397 |
| 133.5 | 1.173 | 0.988 | 1.041 | 1.067 | 1.239 | 1.647 | 1.397 |
| 134.0 | 1.173 | 1.002 | 1.054 | 1.081 | 1.239 | 1.660 | 1.410 |
| 134.5 | 1.173 | 1.002 | 1.054 | 1.094 | 1.239 | 1.463 | 1.410 |
| 135.0 | 1.160 | 1.015 | 1.067 | 1.107 | 1.226 | 1.423 | 1.423 |
| 135.5 | 1.160 | 1.028 | 1.081 | 1.120 | 1.226 | 1.423 | 1.423 |
| 136.0 | 1.160 | 1.041 | 1.094 | 1.133 | 1.212 | 1.410 | 1.436 |
| 136.5 | 1.160 | 1.054 | 1.107 | 1.133 | 1.199 | 1.410 | 1.450 |
| 137.0 | 1.146 | 1.054 | 1.120 | 1.146 | 1.186 | 1.410 | 1.463 |
| 137.5 | 1.120 | 1.067 | 1.133 | 1.173 | 1.186 | 1.410 | 1.463 |
| 138.0 | 1.120 | 1.081 | 1.146 | 1.173 | 1.173 | 1.397 | 1.463 |
| 138.5 | 1.120 | 1.081 | 1.160 | 1.186 | 1.146 | 1.397 | 1.463 |
| 139.0 | 1.120 | 1.081 | 1.160 | 1.199 | 1.146 | 1.397 | 1.450 |
| 139.5 | 1.120 | 1.081 | 1.186 | 1.199 | 1.146 | 1.397 | 1.450 |
| 140.0 | 1.120 | 1.081 | 1.186 | 1.212 | 1.160 | 1.397 | 1.450 |
| 140.5 | 1.133 | 1.081 | 1.199 | 1.212 | 1.173 | 1.410 | 1.450 |
| 141.0 | 1.146 | 1.094 | 1.212 | 1.212 | 1.186 | 1.397 | 1.450 |
| 141.5 | 1.160 | 1.094 | 1.212 | 1.212 | 1.199 | 1.397 | 1.450 |
| 142.0 | 1.160 | 1.094 | 1.226 | 1.212 | 1.199 | 1.384 | 1.450 |
| 142.5 | 1.160 | 1.094 | 1.226 | 1.212 | 1.212 | 1.371 | 1.450 |
| 143.0 | 1.186 | 1.107 | 1.239 | 1.212 | 1.212 | 1.357 | 1.436 |
| 143.5 | 1.186 | 1.107 | 1.239 | 1.212 | 1.212 | 1.344 | 1.436 |
| 144.0 | 1.212 | 1.120 | 1.239 | 1.212 | 1.212 | 1.331 | 1.423 |
| 144.5 | 1.212 | 1.120 | 1.239 | 1.199 | 1.212 | 1.305 | 1.410 |
| 145.0 | 1.212 | 1.133 | 1.239 | 1.199 | 1.226 | 1.265 | 1.397 |
| 145.5 | 1.226 | 1.133 | 1.239 | 1.199 | 1.226 | 1.252 | 1.397 |
| 146.0 | 1.226 | 1.120 | 1.239 | 1.199 | 1.226 | 1.226 | 1.371 |
| 146.5 | 1.226 | 1.120 | 1.252 | 1.186 | 1.239 | 1.173 | 1.357 |
| 147.0 | 1.226 | 1.120 | 1.252 | 1.186 | 1.265 | 1.160 | 1.331 |
| 147.5 | 1.239 | 1.120 | 1.252 | 1.173 | 1.278 | 1.160 | 1.278 |
| 148.0 | 1.265 | 1.133 | 1.252 | 1.186 | 1.278 | 1.173 | 1.265 |
| 148.5 | 1.278 | 1.133 | 1.239 | 1.186 | 1.278 | 1.173 | 1.252 |
| 149.0 | 1.278 | 1.146 | 1.226 | 1.186 | 1.305 | 1.186 | 1.212 |
| 149.5 | 1.278 | 1.146 | 1.226 | 1.186 | 1.318 | 1.186 | 1.186 |
| 150.0 | 1.291 | 1.146 | 1.226 | 1.199 | 1.291 | 1.212 | 1.186 |
| 150.5 | 1.305 | 1.133 | 1.226 | 1.199 | 1.278 | 1.226 | 1.186 |
| 151.0 | 1.305 | 1.133 | 1.226 | 1.212 | 1.278 | 1.239 | 1.199 |
| 151.5 | 1.291 | 1.133 | 1.226 | 1.212 | 1.278 | 1.239 | 1.226 |
| 152.0 | 1.291 | 1.146 | 1.226 | 1.212 | 1.278 | 1.265 | 1.239 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LVL24H-40.IES**

**CANDELA TABULATION - (Cont.)**

|       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 152.5 | 1.291 | 1.133 | 1.212 | 1.226 | 1.265 | 1.265 | 1.252 |
| 153.0 | 1.305 | 1.133 | 1.199 | 1.239 | 1.265 | 1.278 | 1.291 |
| 153.5 | 1.305 | 1.133 | 1.212 | 1.239 | 1.265 | 1.291 | 1.291 |
| 154.0 | 1.305 | 1.146 | 1.212 | 1.239 | 1.265 | 1.318 | 1.291 |
| 154.5 | 1.291 | 1.146 | 1.212 | 1.239 | 1.265 | 1.318 | 1.291 |
| 155.0 | 1.291 | 1.146 | 1.212 | 1.239 | 1.278 | 1.331 | 1.291 |
| 155.5 | 1.305 | 1.146 | 1.199 | 1.252 | 1.278 | 1.331 | 1.291 |
| 156.0 | 1.291 | 1.160 | 1.199 | 1.252 | 1.278 | 1.331 | 1.305 |
| 156.5 | 1.291 | 1.173 | 1.212 | 1.252 | 1.265 | 1.331 | 1.305 |
| 157.0 | 1.278 | 1.186 | 1.226 | 1.265 | 1.265 | 1.331 | 1.305 |
| 157.5 | 1.278 | 1.186 | 1.239 | 1.265 | 1.278 | 1.331 | 1.318 |
| 158.0 | 1.278 | 1.199 | 1.239 | 1.265 | 1.278 | 1.331 | 1.318 |
| 158.5 | 1.278 | 1.212 | 1.252 | 1.265 | 1.278 | 1.331 | 1.318 |
| 159.0 | 1.278 | 1.226 | 1.265 | 1.278 | 1.278 | 1.331 | 1.318 |
| 159.5 | 1.265 | 1.239 | 1.278 | 1.291 | 1.278 | 1.331 | 1.331 |
| 160.0 | 1.252 | 1.252 | 1.265 | 1.291 | 1.291 | 1.331 | 1.331 |
| 160.5 | 1.252 | 1.265 | 1.265 | 1.291 | 1.291 | 1.331 | 1.331 |
| 161.0 | 1.252 | 1.278 | 1.265 | 1.291 | 1.291 | 1.331 | 1.331 |
| 161.5 | 1.265 | 1.291 | 1.265 | 1.291 | 1.291 | 1.344 | 1.344 |
| 162.0 | 1.265 | 1.305 | 1.265 | 1.278 | 1.305 | 1.344 | 1.331 |
| 162.5 | 1.252 | 1.318 | 1.252 | 1.278 | 1.305 | 1.344 | 1.344 |
| 163.0 | 1.252 | 1.318 | 1.252 | 1.278 | 1.305 | 1.331 | 1.344 |
| 163.5 | 1.252 | 1.331 | 1.252 | 1.265 | 1.305 | 1.331 | 1.357 |
| 164.0 | 1.252 | 1.344 | 1.265 | 1.278 | 1.305 | 1.331 | 1.357 |
| 164.5 | 1.265 | 1.357 | 1.265 | 1.278 | 1.318 | 1.331 | 1.357 |
| 165.0 | 1.265 | 1.371 | 1.278 | 1.291 | 1.331 | 1.318 | 1.371 |
| 165.5 | 1.278 | 1.371 | 1.278 | 1.291 | 1.331 | 1.305 | 1.384 |
| 166.0 | 1.305 | 1.384 | 1.278 | 1.305 | 1.331 | 1.318 | 1.384 |
| 166.5 | 1.318 | 1.397 | 1.291 | 1.305 | 1.318 | 1.331 | 1.397 |
| 167.0 | 1.344 | 1.410 | 1.305 | 1.318 | 1.318 | 1.344 | 1.397 |
| 167.5 | 1.357 | 1.423 | 1.318 | 1.318 | 1.344 | 1.344 | 1.410 |
| 168.0 | 1.384 | 1.436 | 1.331 | 1.318 | 1.371 | 1.344 | 1.423 |
| 168.5 | 1.397 | 1.436 | 1.331 | 1.331 | 1.371 | 1.344 | 1.436 |
| 169.0 | 1.397 | 1.436 | 1.344 | 1.357 | 1.371 | 1.344 | 1.436 |
| 169.5 | 1.410 | 1.436 | 1.344 | 1.436 | 1.357 | 1.357 | 1.436 |
| 170.0 | 1.423 | 1.436 | 1.357 | 1.502 | 1.331 | 1.357 | 1.436 |
| 170.5 | 1.436 | 1.436 | 1.357 | 1.463 | 1.331 | 1.357 | 1.436 |
| 171.0 | 1.450 | 1.436 | 1.357 | 1.344 | 1.318 | 1.371 | 1.450 |
| 171.5 | 1.450 | 1.450 | 1.357 | 1.344 | 1.318 | 1.397 | 1.450 |
| 172.0 | 1.463 | 1.450 | 1.344 | 1.357 | 1.318 | 1.410 | 1.450 |
| 172.5 | 1.463 | 1.463 | 1.344 | 1.357 | 1.331 | 1.423 | 1.450 |
| 173.0 | 1.463 | 1.476 | 1.344 | 1.357 | 1.344 | 1.423 | 1.463 |
| 173.5 | 1.476 | 1.476 | 1.344 | 1.384 | 1.344 | 1.436 | 1.476 |
| 174.0 | 1.476 | 1.489 | 1.357 | 1.384 | 1.357 | 1.450 | 1.489 |
| 174.5 | 1.476 | 1.489 | 1.357 | 1.397 | 1.357 | 1.463 | 1.489 |
| 175.0 | 1.476 | 1.489 | 1.371 | 1.397 | 1.357 | 1.463 | 1.489 |
| 175.5 | 1.476 | 1.489 | 1.371 | 1.397 | 1.357 | 1.463 | 1.489 |
| 176.0 | 1.476 | 1.489 | 1.357 | 1.397 | 1.357 | 1.463 | 1.476 |
| 176.5 | 1.476 | 1.489 | 1.384 | 1.423 | 1.371 | 1.450 | 1.463 |
| 177.0 | 1.463 | 1.489 | 1.397 | 1.436 | 1.384 | 1.450 | 1.463 |
| 177.5 | 1.450 | 1.476 | 1.397 | 1.436 | 1.384 | 1.423 | 1.450 |
| 178.0 | 1.436 | 1.463 | 1.397 | 1.450 | 1.384 | 1.410 | 1.436 |
| 178.5 | 1.436 | 1.450 | 1.384 | 1.463 | 1.371 | 1.397 | 1.423 |
| 179.0 | 1.436 | 1.450 | 1.384 | 1.463 | 1.371 | 1.397 | 1.410 |
| 179.5 | 1.436 | 1.463 | 1.397 | 1.463 | 1.371 | 1.397 | 1.410 |
| 180.0 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LVL24H-40.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 875.27  | N.A.  | 13.00  |
| 0-30    | 1853.32 | N.A.  | 27.40  |
| 0-40    | 3026.15 | N.A.  | 44.80  |
| 0-60    | 5328.4  | N.A.  | 78.90  |
| 0-80    | 6623.45 | N.A.  | 98.10  |
| 0-90    | 6745.52 | N.A.  | 99.90  |
| 10-90   | 6518.63 | N.A.  | 96.50  |
| 20-40   | 2150.88 | N.A.  | 31.80  |
| 20-50   | 3362.43 | N.A.  | 49.80  |
| 40-70   | 3130.07 | N.A.  | 46.30  |
| 60-80   | 1295.05 | N.A.  | 19.20  |
| 70-80   | 467.24  | N.A.  | 6.90   |
| 80-90   | 122.07  | N.A.  | 1.80   |
| 90-110  | 3.31    | N.A.  | 0.00   |
| 90-120  | 4.55    | N.A.  | 0.10   |
| 90-130  | 5.59    | N.A.  | 0.10   |
| 90-150  | 7.29    | N.A.  | 0.10   |
| 90-180  | 8.35    | N.A.  | 0.10   |
| 110-180 | 5.04    | N.A.  | 0.10   |
| 0-180   | 6753.87 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  |
|---------|---------|
| 0-10    | 226.89  |
| 10-20   | 648.38  |
| 20-30   | 978.06  |
| 30-40   | 1172.82 |
| 40-50   | 1211.55 |
| 50-60   | 1090.7  |
| 60-70   | 827.82  |
| 70-80   | 467.24  |
| 80-90   | 122.07  |
| 90-100  | 1.74    |
| 100-110 | 1.58    |
| 110-120 | 1.24    |
| 120-130 | 1.04    |
| 130-140 | 0.94    |
| 140-150 | 0.76    |
| 150-160 | 0.56    |
| 160-170 | 0.37    |
| 170-180 | 0.13    |

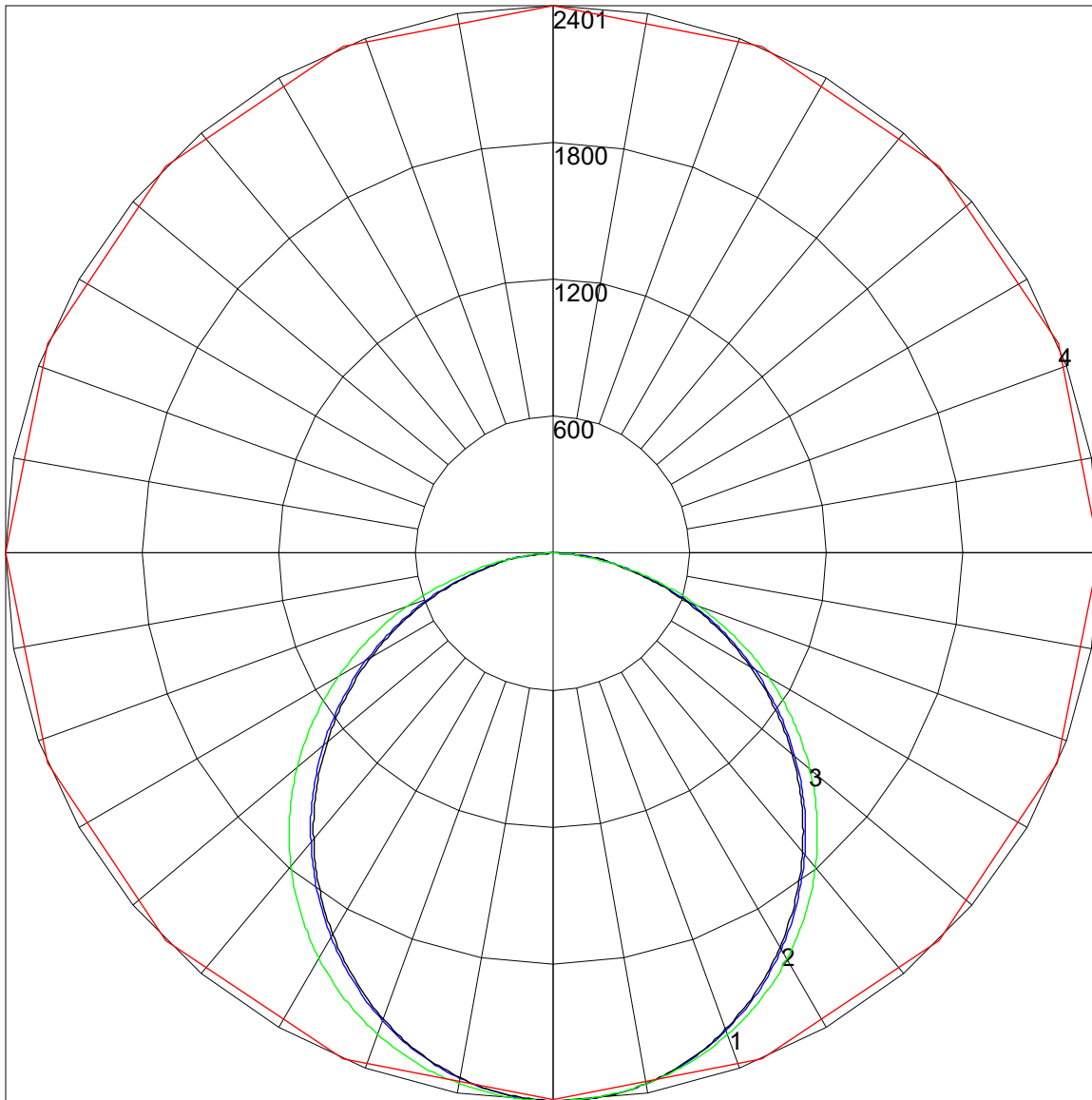
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LVL24H-40.IES**

**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  | 109 | 104 | 100 | 96  | 106 | 102 | 98  | 94  | 97  | 94  | 91  | 93  | 91  | 88  | 90  | 88  | 86  | 84  |
| 2  | 99  | 91  | 84  | 78  | 96  | 89  | 82  | 77  | 85  | 80  | 75  | 82  | 77  | 73  | 79  | 75  | 72  | 70  |
| 3  | 90  | 79  | 71  | 65  | 88  | 78  | 70  | 64  | 75  | 68  | 63  | 72  | 67  | 62  | 69  | 65  | 61  | 59  |
| 4  | 82  | 70  | 62  | 55  | 80  | 69  | 61  | 54  | 66  | 59  | 54  | 64  | 58  | 53  | 62  | 57  | 52  | 50  |
| 5  | 76  | 63  | 54  | 47  | 74  | 62  | 53  | 47  | 60  | 52  | 46  | 58  | 51  | 46  | 56  | 50  | 45  | 43  |
| 6  | 70  | 57  | 48  | 41  | 68  | 56  | 47  | 41  | 54  | 46  | 41  | 52  | 45  | 40  | 50  | 44  | 40  | 38  |
| 7  | 65  | 51  | 42  | 36  | 63  | 50  | 42  | 36  | 49  | 41  | 36  | 47  | 41  | 36  | 46  | 40  | 35  | 33  |
| 8  | 60  | 47  | 38  | 32  | 59  | 46  | 38  | 32  | 45  | 37  | 32  | 43  | 37  | 32  | 42  | 36  | 32  | 30  |
| 9  | 56  | 43  | 35  | 29  | 55  | 42  | 34  | 29  | 41  | 34  | 29  | 40  | 33  | 29  | 39  | 33  | 29  | 27  |
| 10 | 53  | 40  | 32  | 26  | 52  | 39  | 31  | 26  | 38  | 31  | 26  | 37  | 31  | 26  | 36  | 30  | 26  | 24  |

POLAR GRAPH



Maximum Candela = 2400.518 Located At Horizontal Angle = 67.5, Vertical Angle = 1.5  
# 1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)  
# 2 - Vertical Plane Through Horizontal Angles (90 - 270)  
# 3 - Vertical Plane Through Horizontal Angles (0 - 180)  
# 4 - Horizontal Cone Through Vertical Angle (1.5) (Through Max. Cd.)