



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LVL24M-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995

[TEST]

[TESTLAB] LEADING TESTING LABORATORIES

[TESTDATE] 2018-03-13

[ISSUEDATE] 2018-03-13 10:35:28

[LUMCAT] LVL24M-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_SOURCETYPE] LED

[_SEARCH_APPLICATION] Indoor

[_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5441
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	45.2
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 Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2685	2617	2528
55	2605	2532	2402
65	2450	2381	2234
75	2098	2111	1956
85	1295	1781	1599

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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	1933.398	1933.398	1933.398	1933.398	1933.398	1933.398	1933.398	1933.398	1933.398	1933.398
0.5	1933.419	1933.419	1933.706	1933.409	1933.430	1933.993	1933.419	1933.133	1933.090	1933.111
1.0	1933.419	1933.717	1933.717	1933.695	1933.430	1933.727	1933.419	1933.111	1932.804	1932.804
1.5	1932.814	1933.419	1933.717	1934.003	1933.430	1933.419	1933.717	1933.111	1932.793	1932.188
2.0	1932.230	1933.133	1933.717	1933.430	1933.430	1933.717	1933.154	1932.538	1931.880	1931.254
2.5	1931.614	1932.528	1933.419	1933.101	1932.835	1933.143	1932.825	1931.922	1931.254	1930.330
3.0	1930.701	1931.912	1932.517	1932.496	1932.220	1932.230	1931.933	1931.307	1930.340	1929.396
3.5	1929.470	1930.988	1931.646	1931.625	1931.636	1931.604	1931.307	1930.394	1929.374	1927.867
4.0	1928.302	1929.820	1930.712	1930.701	1930.425	1930.372	1930.372	1929.512	1927.877	1926.614
4.5	1927.357	1928.875	1929.173	1929.459	1928.875	1929.215	1929.215	1928.291	1926.709	1924.798
5.0	1925.828	1927.346	1928.238	1927.930	1927.718	1927.973	1927.686	1926.763	1925.181	1923.216
5.5	1923.981	1925.605	1926.497	1926.179	1925.881	1926.433	1926.136	1925.223	1923.620	1921.178
6.0	1922.537	1924.342	1924.650	1924.352	1924.055	1923.991	1924.310	1923.376	1921.465	1919.033
6.5	1920.414	1922.240	1922.813	1922.505	1921.613	1922.452	1922.749	1921.358	1919.617	1916.867
7.0	1918.566	1920.360	1920.658	1920.053	1919.447	1920.711	1920.424	1919.511	1917.749	1914.404
7.5	1915.795	1918.205	1918.492	1917.579	1916.846	1917.430	1918.258	1917.069	1915.264	1911.644
8.0	1913.927	1915.434	1915.901	1914.967	1914.065	1914.882	1915.785	1914.882	1912.642	1908.862
8.5	1911.049	1913.417	1913.130	1912.207	1911.580	1912.132	1913.024	1912.451	1909.871	1905.943
9.0	1908.257	1910.391	1910.359	1909.138	1908.544	1909.340	1910.104	1909.382	1907.355	1903.416
9.5	1905.221	1907.631	1907.323	1905.773	1905.199	1905.688	1907.047	1906.622	1904.276	1899.997
10.0	1902.736	1904.870	1903.947	1902.428	1901.515	1902.312	1903.978	1903.734	1901.101	1896.515
10.5	1898.797	1901.515	1900.592	1898.712	1897.215	1898.861	1900.316	1900.666	1898.309	1893.425
11.0	1895.676	1898.107	1897.162	1894.965	1893.754	1894.529	1896.897	1896.982	1894.678	1889.730
11.5	1891.949	1894.413	1893.149	1890.686	1889.476	1890.229	1893.234	1893.266	1891.249	1885.388
12.0	1888.255	1890.782	1889.444	1886.397	1884.889	1886.237	1889.231	1889.900	1887.798	1881.683
12.5	1884.263	1886.790	1884.878	1881.789	1880.303	1881.927	1884.900	1885.930	1884.061	1878.211
13.0	1880.303	1882.766	1881.131	1877.224	1875.429	1877.054	1880.653	1881.884	1881.003	1873.380
13.5	1876.024	1878.476	1876.300	1872.626	1870.535	1872.457	1876.364	1878.169	1877.616	1868.560
14.0	1871.692	1874.442	1871.639	1867.711	1865.248	1867.509	1871.469	1873.274	1872.743	1863.729
14.5	1867.350	1869.802	1866.999	1862.169	1860.311	1862.551	1866.798	1868.889	1867.881	1858.909
15.0	1862.763	1865.120	1862.009	1857.497	1855.034	1856.998	1861.871	1863.995	1863.018	1854.057
15.5	1858.092	1860.788	1856.828	1851.732	1849.237	1851.477	1856.945	1859.090	1858.155	1848.696
16.0	1853.197	1855.597	1851.297	1845.882	1843.345	1845.925	1851.743	1854.450	1853.293	1843.334
16.5	1848.271	1850.596	1846.020	1839.969	1837.187	1839.820	1846.190	1849.237	1848.037	1837.930
17.0	1842.984	1845.330	1840.478	1833.843	1830.774	1833.620	1840.574	1844.544	1842.856	1832.123
17.5	1837.739	1840.075	1834.278	1827.324	1824.500	1827.653	1834.458	1839.013	1837.314	1826.082
18.0	1831.847	1834.150	1828.375	1821.092	1817.726	1820.943	1828.481	1832.855	1831.730	1820.147
18.5	1826.294	1828.354	1822.249	1814.127	1811.048	1813.904	1822.026	1826.697	1825.805	1814.010
19.0	1820.508	1822.525	1815.857	1807.629	1803.446	1807.438	1815.889	1820.858	1819.924	1807.502
19.5	1814.350	1816.388	1809.073	1800.537	1796.587	1800.558	1809.041	1814.944	1813.851	1800.834
20.0	1808.447	1810.198	1802.586	1793.678	1788.911	1793.339	1802.650	1808.595	1807.757	1794.337
20.5	1802.597	1803.765	1795.558	1786.024	1781.777	1785.907	1795.632	1801.800	1801.206	1787.648
21.0	1795.812	1796.959	1788.434	1778.188	1773.124	1778.167	1788.805	1795.547	1794.761	1780.609
21.5	1789.028	1790.143	1781.416	1770.735	1765.607	1770.756	1781.384	1788.784	1787.945	1773.474
22.0	1782.647	1783.231	1774.079	1762.454	1757.379	1762.794	1774.016	1782.042	1781.119	1766.106
22.5	1775.991	1777.084	1766.478	1754.905	1749.151	1754.523	1766.871	1774.568	1774.079	1758.664
23.0	1768.856	1769.440	1758.695	1746.220	1740.785	1746.964	1758.908	1767.677	1767.115	1751.115
23.5	1761.764	1762.019	1750.637	1738.215	1732.089	1738.438	1750.892	1760.012	1759.810	1743.386
24.0	1754.226	1754.544	1743.078	1729.594	1723.362	1729.753	1742.791	1752.527	1752.325	1735.593
24.5	1746.783	1746.698	1735.051	1720.676	1714.730	1720.729	1734.733	1744.978	1744.660	1727.471
25.0	1739.351	1739.234	1726.696	1711.991	1705.164	1712.129	1726.759	1737.281	1737.154	1719.200
25.5	1731.399	1731.240	1718.425	1703.115	1696.214	1703.848	1718.330	1729.286	1729.095	1710.930
26.0	1723.394	1723.266	1709.496	1693.932	1687.264	1694.271	1709.762	1721.313	1721.048	1702.733
26.5	1715.336	1714.868	1700.780	1684.652	1677.412	1684.950	1701.034	1712.957	1713.032	1694.038

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27.0	1706.959	1706.768	1691.851	1675.076	1667.495	1675.649	1692.350	1704.581	1704.729	1685.077
27.5	1698.646	1698.455	1682.625	1665.468	1658.237	1666.391	1683.155	1695.970	1696.278	1676.509
28.0	1690.279	1689.207	1673.621	1655.923	1648.088	1656.517	1673.229	1687.296	1687.562	1667.708
28.5	1681.414	1680.597	1664.427	1645.773	1637.672	1646.994	1664.576	1678.081	1678.760	1658.365
29.0	1673.122	1671.965	1654.628	1635.613	1627.278	1636.324	1655.116	1669.523	1669.948	1648.735
29.5	1664.151	1662.420	1645.380	1625.739	1617.436	1626.652	1645.508	1660.605	1660.998	1639.891
30.0	1654.914	1653.704	1635.506	1615.536	1607.180	1616.141	1635.634	1651.028	1651.931	1630.410
30.5	1645.614	1643.841	1625.590	1604.664	1596.054	1605.736	1625.707	1641.717	1642.503	1620.313
31.0	1636.324	1634.572	1615.419	1594.185	1585.267	1595.247	1615.844	1632.077	1632.969	1610.333
31.5	1627.289	1625.367	1605.609	1583.738	1574.236	1584.651	1605.927	1622.575	1623.371	1600.502
32.0	1617.840	1615.207	1595.109	1572.739	1563.842	1573.981	1595.215	1612.478	1613.858	1590.650
32.5	1607.626	1605.662	1584.619	1562.185	1552.726	1562.536	1585.330	1603.167	1603.868	1580.033
33.0	1598.389	1595.767	1573.843	1550.815	1541.036	1552.110	1574.873	1592.709	1593.951	1569.702
33.5	1587.549	1585.256	1563.544	1539.550	1530.324	1540.654	1563.990	1582.528	1583.918	1559.457
34.0	1577.145	1575.266	1552.800	1528.689	1518.581	1529.825	1553.193	1571.889	1573.482	1548.914
34.5	1566.910	1564.649	1542.077	1517.095	1507.157	1517.849	1541.918	1561.527	1563.173	1538.064
35.0	1557.418	1554.191	1530.876	1505.682	1495.458	1507.073	1531.417	1551.112	1552.588	1527.011
35.5	1546.186	1543.181	1519.664	1494.120	1484.119	1495.680	1520.078	1540.421	1541.875	1516.224
36.0	1535.675	1532.437	1508.325	1482.186	1472.121	1483.726	1508.867	1529.071	1531.078	1505.321
36.5	1524.845	1521.299	1496.795	1470.709	1460.103	1472.100	1497.698	1517.902	1520.429	1493.865
37.0	1514.175	1510.491	1485.244	1459.073	1448.541	1460.390	1485.722	1507.157	1509.302	1482.537
37.5	1502.730	1499.343	1473.544	1446.821	1436.427	1447.713	1474.224	1496.020	1497.974	1471.102
38.0	1491.752	1488.121	1461.664	1434.930	1424.016	1436.162	1462.640	1484.809	1486.720	1459.530
38.5	1480.498	1476.793	1449.996	1423.050	1412.050	1424.451	1450.622	1473.098	1475.360	1447.766
39.0	1469.223	1465.093	1437.998	1411.042	1399.968	1411.891	1438.200	1461.611	1463.522	1435.886
39.5	1457.417	1453.382	1426.044	1398.673	1387.652	1399.459	1426.436	1449.911	1452.013	1423.973
40.0	1445.271	1441.661	1413.887	1386.516	1375.231	1387.281	1414.301	1437.850	1440.217	1411.923
40.5	1433.932	1429.813	1402.102	1374.105	1362.257	1375.475	1402.208	1425.831	1428.209	1399.660
41.0	1421.680	1417.550	1389.394	1361.057	1349.835	1362.565	1389.266	1413.813	1416.127	1387.514
41.5	1409.651	1405.287	1376.813	1348.784	1336.755	1349.304	1377.131	1401.486	1403.907	1375.347
42.0	1397.993	1393.906	1364.539	1336.160	1323.812	1337.339	1365.102	1389.362	1391.804	1362.565
42.5	1385.561	1381.166	1352.075	1323.398	1310.966	1324.418	1352.415	1377.205	1379.488	1349.898
43.0	1373.075	1368.446	1339.653	1310.626	1298.194	1311.698	1339.398	1364.454	1366.801	1337.498
43.5	1360.547	1355.674	1326.541	1297.196	1284.816	1298.608	1326.838	1351.958	1354.082	1324.800
44.0	1347.552	1342.891	1313.514	1284.243	1271.195	1285.167	1313.769	1338.910	1341.341	1311.794
44.5	1334.610	1330.246	1300.869	1271.184	1258.348	1272.129	1300.890	1326.127	1328.526	1298.342
45.0	1321.838	1317.241	1288.309	1258.890	1244.896	1259.176	1287.938	1312.888	1315.223	1285.390
45.5	1308.832	1304.150	1274.953	1244.450	1231.275	1245.746	1275.091	1300.168	1302.324	1272.426
46.0	1295.752	1291.197	1261.554	1231.317	1217.271	1232.400	1261.852	1286.451	1289.339	1259.038
46.5	1282.120	1278.032	1248.474	1217.324	1203.617	1219.299	1248.156	1273.637	1275.909	1245.512
47.0	1269.061	1264.092	1235.681	1204.042	1189.985	1205.645	1234.736	1260.004	1262.457	1232.135
47.5	1255.832	1250.215	1222.739	1190.134	1176.056	1191.429	1222.017	1246.372	1248.782	1218.333
48.0	1242.285	1237.518	1208.300	1177.170	1162.190	1177.531	1208.215	1232.729	1235.182	1204.403
48.5	1228.281	1223.832	1195.400	1162.275	1148.186	1164.016	1194.996	1219.681	1221.496	1190.728
49.0	1214.871	1209.733	1181.757	1148.335	1133.949	1150.087	1181.078	1205.475	1207.737	1177.255
49.5	1200.793	1196.143	1167.753	1134.034	1119.032	1135.297	1167.350	1191.525	1193.775	1162.891
50.0	1186.471	1181.630	1153.877	1119.701	1105.431	1121.123	1153.473	1177.298	1179.421	1148.313
50.5	1172.000	1167.647	1140.606	1105.230	1090.748	1107.162	1139.459	1163.708	1165.088	1134.639
51.0	1158.198	1153.548	1125.986	1091.438	1076.564	1092.341	1125.572	1149.120	1150.925	1120.412
51.5	1143.727	1139.151	1112.110	1077.010	1061.838	1078.188	1111.557	1135.223	1136.529	1105.729
52.0	1129.256	1124.977	1098.021	1062.539	1048.004	1063.643	1097.596	1120.614	1122.058	1090.982
52.5	1114.233	1110.145	1083.783	1047.473	1032.885	1049.066	1083.369	1105.973	1107.629	1076.925
53.0	1100.155	1095.558	1069.302	1033.342	1018.531	1034.266	1068.601	1091.523	1092.649	1062.146
53.5	1084.803	1081.140	1055.033	1018.945	1003.912	1019.890	1054.385	1076.681	1077.827	1047.112
54.0	1070.459	1066.435	1040.328	1003.933	989.101	1005.324	1039.394	1061.668	1063.006	1032.386
54.5	1055.680	1051.412	1025.846	989.218	974.099	990.322	1025.039	1046.571	1048.121	1017.310

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CANDELA TABULATION - (Cont.)

55.0	1040.583	1036.389	1011.110	974.577	959.225	975.426	1010.855	1031.771	1033.119	1002.415
55.5	1025.485	1021.568	996.820	960.095	944.807	960.892	996.066	1016.599	1017.873	987.381
56.0	1010.016	1006.024	981.202	944.732	930.177	945.953	980.087	1001.332	1002.967	972.528
56.5	994.441	990.524	965.722	929.540	915.366	931.068	964.639	985.470	987.243	957.345
57.0	979.206	975.193	950.604	915.111	901.447	915.960	950.190	970.829	971.774	941.993
57.5	963.588	960.074	935.421	900.927	886.222	902.360	934.721	955.211	956.326	926.280
58.0	947.992	945.040	920.016	885.691	870.923	886.955	919.613	939.689	940.730	910.939
58.5	932.204	929.274	904.696	870.424	855.624	871.518	904.579	923.615	924.995	895.916
59.0	916.566	913.380	889.269	855.146	840.336	856.091	889.078	908.836	909.134	880.542
59.5	900.778	894.026	873.832	839.879	825.036	840.665	873.546	893.038	893.357	864.808
60.0	884.608	879.321	858.406	824.612	809.928	825.238	858.013	877.187	877.538	848.967
60.5	868.439	864.659	842.969	809.419	795.054	810.236	842.480	861.336	861.071	833.689
61.0	852.258	849.986	827.531	794.693	779.819	794.937	826.948	845.474	844.890	817.806
61.5	836.089	835.324	811.871	779.097	764.700	779.914	810.852	829.623	828.890	801.934
62.0	819.962	819.112	795.967	763.638	749.465	764.201	794.682	813.719	812.859	786.391
62.5	803.633	803.038	780.127	748.329	733.985	748.732	779.022	797.751	796.360	770.338
63.0	787.261	787.346	764.297	733.189	718.675	733.231	763.553	781.931	779.893	754.603
63.5	770.730	771.208	748.541	717.868	703.482	718.208	747.585	765.825	763.447	738.126
64.0	754.083	755.060	732.573	702.569	688.459	702.845	731.533	749.826	746.757	722.211
64.5	737.542	738.901	716.626	686.877	672.927	686.984	715.267	733.412	730.142	706.434
65.0	720.831	722.763	700.743	671.568	657.288	671.674	699.713	717.189	713.749	690.031
65.5	704.098	706.222	684.595	656.152	642.137	656.343	683.161	700.924	697.006	673.330
66.0	687.164	689.733	668.627	640.863	626.891	640.651	667.172	684.510	679.870	657.532
66.5	670.187	673.373	652.478	625.033	611.337	624.874	651.045	668.192	663.127	640.800
67.0	653.126	656.895	636.500	609.479	595.582	609.511	635.088	651.300	646.395	624.067
67.5	636.118	640.290	620.266	594.170	580.548	594.340	618.536	634.525	629.227	607.069
68.0	619.290	623.398	604.362	578.934	565.355	578.510	602.600	618.334	612.569	590.666
68.5	602.260	606.677	588.256	563.242	549.844	562.913	586.557	601.549	595.380	573.944
69.0	584.699	589.615	571.885	547.604	534.184	547.444	570.377	584.508	578.276	556.925
69.5	567.394	572.479	555.949	532.092	518.948	532.135	553.613	567.298	560.907	540.161
70.0	550.343	555.513	540.055	516.942	503.830	516.538	537.751	550.279	543.909	523.386
70.5	533.249	538.080	523.641	501.377	488.594	500.857	521.645	533.271	526.614	506.314
71.0	516.092	521.401	507.652	486.206	473.338	485.664	506.006	516.315	509.308	489.476
71.5	498.373	504.180	491.758	470.683	458.676	470.577	489.444	499.339	492.565	472.955
72.0	481.300	486.864	475.748	455.629	443.270	455.119	473.263	481.746	475.504	455.968
72.5	464.027	469.770	459.291	440.308	428.077	439.809	457.041	464.887	457.964	439.140
73.0	446.678	452.900	443.185	425.073	412.662	424.680	441.338	447.857	440.839	422.801
73.5	429.351	436.125	427.716	410.156	398.222	409.710	425.062	431.082	423.841	406.132
74.0	412.311	419.000	412.035	394.921	383.114	394.645	409.285	414.265	406.960	389.708
74.5	394.846	402.268	395.908	379.802	367.794	379.664	393.349	397.299	390.132	373.071
75.0	378.018	385.418	380.375	364.609	352.474	364.333	377.785	380.407	373.007	357.135
75.5	361.095	368.813	364.375	349.225	336.941	349.087	361.891	363.717	356.338	340.827
76.0	344.012	352.495	349.289	333.915	321.451	334.223	346.688	347.590	339.489	324.859
76.5	326.940	335.869	334.032	318.606	305.855	319.349	331.611	330.932	323.160	308.827
77.0	310.600	319.593	318.584	302.733	289.589	304.156	316.121	314.805	306.534	293.114
77.5	294.038	303.360	303.232	286.786	273.727	288.156	300.642	298.752	290.460	277.709
78.0	277.656	287.519	288.273	270.808	259.395	272.230	285.884	283.124	273.876	262.739
78.5	261.306	271.668	273.388	255.020	247.196	256.539	270.935	268.281	258.269	247.397
79.0	245.200	255.604	257.982	240.348	236.451	240.985	255.806	252.090	242.312	232.725
79.5	229.741	240.199	242.885	228.457	226.609	227.873	241.208	236.748	226.981	218.052
80.0	214.516	225.229	227.703	218.179	217.861	217.203	226.747	221.184	211.650	203.379
80.5	198.697	210.280	212.382	208.327	210.280	207.159	211.671	206.129	196.319	188.696
81.0	183.833	195.162	196.414	199.547	202.817	197.943	196.425	191.425	181.009	174.023
81.5	169.224	180.585	180.627	191.711	195.140	190.002	181.158	176.900	167.207	160.412
82.0	154.923	166.443	166.591	183.908	187.560	182.230	166.517	162.759	152.672	146.451
82.5	140.346	152.386	154.743	175.775	179.884	174.076	152.906	148.903	138.892	133.010

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83.0	127.362	138.318	143.956	167.589	172.017	166.060	141.864	135.388	125.387	120.344
83.5	114.207	125.758	134.815	159.616	160.710	157.864	132.118	122.403	112.530	107.890
84.0	101.541	113.135	126.215	148.415	142.385	148.489	123.550	109.419	99.991	95.670
84.5	89.151	100.373	117.233	129.846	120.163	132.182	114.706	97.103	88.047	84.002
85.0	78.576	87.134	108.070	107.380	97.018	110.703	105.618	86.858	76.124	72.833
85.5	68.013	76.050	98.345	84.872	82.356	87.760	96.498	75.423	65.157	61.101
86.0	57.438	65.008	83.577	71.516	68.172	73.926	84.331	63.925	54.380	50.271
86.5	46.874	53.977	68.119	58.447	53.977	60.326	68.798	52.416	44.475	41.725
87.0	36.310	42.935	52.639	45.377	39.793	46.725	53.085	40.918	37.021	33.189
87.5	26.935	33.964	37.170	32.308	25.598	33.114	37.372	31.766	29.558	24.642
88.0	17.709	24.982	21.691	19.227	18.155	19.514	21.669	22.742	22.094	16.106
88.5	11.923	15.129	13.855	12.560	12.040	12.878	13.802	14.142	14.641	7.612
89.0	7.825	8.207	8.037	6.784	6.423	7.060	7.878	7.687	7.315	3.663
89.5	6.200	6.434	6.179	5.086	4.831	5.351	5.924	5.999	3.705	1.752
90.0	4.618	4.746	4.385	3.493	3.302	3.663	4.215	4.470	1.869	1.582
90.5	3.036	3.058	2.591	1.900	1.773	1.985	2.516	2.941	1.741	1.624
91.0	1.465	1.370	0.796	0.319	0.244	0.297	0.818	1.412	1.550	1.709
91.5	1.423	1.423	0.786	0.255	0.202	0.287	0.828	1.391	1.571	1.805
92.0	1.433	1.508	0.818	0.265	0.212	0.287	0.860	1.486	1.603	1.911
92.5	1.455	1.593	0.839	0.276	0.223	0.297	0.892	1.582	1.656	2.038
93.0	1.486	1.667	0.860	0.287	0.234	0.350	0.966	1.752	1.741	2.113
93.5	1.508	1.635	0.892	0.319	0.265	0.382	1.019	1.773	1.794	2.081
94.0	1.508	1.582	0.892	0.340	0.276	0.393	1.051	1.762	1.837	2.070
94.5	1.561	1.582	0.892	0.350	0.287	0.403	1.051	1.688	1.826	2.028
95.0	1.582	1.593	0.871	0.361	0.287	0.403	1.030	1.688	1.784	2.028
95.5	1.582	1.688	0.860	0.361	0.276	0.393	1.009	1.667	1.752	2.230
96.0	1.561	1.816	0.849	0.350	0.276	0.382	0.987	1.784	1.773	2.559
96.5	1.550	1.582	0.839	0.350	0.276	0.372	0.966	2.230	1.858	2.113
97.0	1.529	1.582	0.828	0.350	0.287	0.372	0.945	2.070	1.954	1.943
97.5	1.529	2.389	0.818	0.350	0.287	0.372	0.934	1.635	2.007	2.123
98.0	1.561	2.601	0.796	0.350	0.287	0.372	0.913	2.123	2.017	2.973
98.5	1.688	2.814	0.786	0.350	0.287	0.361	0.892	3.323	1.985	3.504
99.0	1.720	2.771	0.775	0.361	0.287	0.361	0.881	3.079	2.017	3.472
99.5	1.773	2.983	0.775	0.361	0.297	0.372	0.871	3.429	2.049	3.143
100.0	1.752	2.803	0.775	0.361	0.297	0.372	0.881	2.803	2.113	2.771
100.5	1.794	2.251	0.786	0.361	0.297	0.372	0.860	2.814	2.060	2.877
101.0	2.007	1.603	0.796	0.361	0.308	0.372	0.849	2.336	2.081	2.622
101.5	2.049	1.380	0.796	0.372	0.308	0.382	0.849	1.677	2.049	2.155
102.0	1.869	1.370	0.796	0.372	0.319	0.382	0.839	1.465	2.261	1.794
102.5	1.741	1.370	0.796	0.382	0.319	0.393	0.839	1.444	2.240	1.784
103.0	1.869	1.380	0.828	0.393	0.319	0.393	0.839	1.433	2.081	1.773
103.5	1.932	1.370	0.807	0.403	0.329	0.414	0.839	1.412	2.293	1.752
104.0	1.688	1.359	0.796	0.414	0.340	0.425	0.871	1.391	2.421	1.741
104.5	1.922	1.561	0.807	0.425	0.340	0.435	0.913	1.380	1.954	1.752
105.0	1.805	2.049	0.807	0.425	0.350	0.446	0.871	1.359	2.548	1.816
105.5	1.816	2.017	0.807	0.435	0.361	0.446	0.860	1.954	1.943	1.741
106.0	1.794	1.423	0.807	0.435	0.372	0.446	0.860	2.113	2.527	1.646
106.5	1.635	1.465	0.807	0.435	0.382	0.457	0.849	1.858	1.773	1.635
107.0	1.699	1.295	0.807	0.446	0.382	0.457	0.849	1.508	2.134	1.614
107.5	1.794	1.242	0.807	0.446	0.393	0.467	0.881	1.677	1.985	1.614
108.0	1.561	1.242	0.807	0.457	0.393	0.478	0.860	1.306	1.699	1.582
108.5	1.646	1.232	0.796	0.457	0.393	0.478	0.839	1.263	1.922	1.561
109.0	1.709	1.232	0.796	0.467	0.403	0.488	0.839	1.263	2.155	1.593
109.5	1.444	1.242	0.796	0.467	0.403	0.499	0.839	1.253	1.508	1.985
110.0	1.677	1.232	0.796	0.478	0.414	0.510	0.839	1.253	1.508	1.667
110.5	1.401	1.263	0.796	0.478	0.414	0.499	0.839	1.242	1.890	1.794

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111.0	1.699	1.242	0.796	0.488	0.425	0.510	0.828	1.242	1.932	1.922
111.5	1.348	1.423	0.796	0.499	0.425	0.510	0.828	1.285	1.433	1.529
112.0	1.433	1.465	0.796	0.499	0.435	0.520	0.828	1.242	1.423	1.433
112.5	1.444	1.263	0.796	0.499	0.435	0.520	0.828	1.370	1.497	1.423
113.0	1.614	1.189	0.786	0.499	0.446	0.520	0.828	1.338	1.985	1.401
113.5	1.391	1.178	0.786	0.510	0.446	0.531	0.828	1.232	1.518	1.380
114.0	1.189	1.306	0.786	0.510	0.457	0.531	0.828	1.210	1.295	1.370
114.5	1.189	1.274	0.786	0.520	0.467	0.541	0.828	1.221	1.274	1.370
115.0	1.624	1.178	0.786	0.520	0.467	0.541	0.828	1.370	1.295	1.380
115.5	1.348	1.168	0.796	0.531	0.478	0.552	0.828	1.263	1.391	1.401
116.0	1.539	1.157	0.796	0.531	0.488	0.552	0.839	1.200	1.677	1.338
116.5	1.242	1.147	0.807	0.531	0.488	0.563	0.839	1.189	1.370	1.295
117.0	1.221	1.147	0.807	0.541	0.499	0.563	0.849	1.178	1.274	1.306
117.5	1.189	1.136	0.807	0.541	0.510	0.573	0.849	1.178	1.359	1.306
118.0	1.157	1.136	0.818	0.541	0.520	0.573	0.860	1.178	1.232	1.253
118.5	1.263	1.136	0.818	0.552	0.520	0.584	0.860	1.178	1.221	1.242
119.0	1.263	1.136	0.860	0.563	0.531	0.595	0.860	1.178	1.232	1.285
119.5	1.348	1.157	1.157	0.563	0.541	0.595	0.871	1.168	1.242	1.412
120.0	1.327	1.136	1.274	0.573	0.552	0.605	0.924	1.157	1.327	1.221
120.5	1.168	1.125	0.966	0.573	0.563	0.605	1.274	1.147	1.221	1.178
121.0	1.157	1.136	0.871	0.584	0.563	0.616	1.359	1.136	1.200	1.168
121.5	1.157	1.317	0.881	0.595	0.573	0.626	1.083	1.125	1.189	1.168
122.0	1.157	1.232	0.881	0.605	0.584	0.637	0.924	1.125	1.189	1.157
122.5	1.157	1.115	0.871	0.616	0.584	0.648	0.913	1.115	1.189	1.147
123.0	1.157	1.094	0.871	0.626	0.595	0.648	0.924	1.115	1.189	1.147
123.5	1.168	1.094	0.881	0.626	0.605	0.658	0.924	1.221	1.189	1.147
124.0	1.168	1.083	0.892	0.637	0.616	0.669	0.934	1.125	1.189	1.147
124.5	1.168	1.083	0.902	0.648	0.616	0.679	0.945	1.104	1.189	1.147
125.0	1.168	1.083	0.913	0.658	0.637	0.679	0.945	1.104	1.200	1.147
125.5	1.168	1.189	0.913	0.658	0.637	0.690	0.956	1.104	1.200	1.200
126.0	1.157	1.274	0.913	0.669	0.648	0.690	0.956	1.104	1.189	1.444
126.5	1.147	1.104	0.913	0.679	0.658	0.701	0.956	1.232	1.189	1.306
127.0	1.147	1.083	0.924	0.690	0.658	0.711	0.956	1.423	1.189	1.136
127.5	1.136	1.083	0.924	0.701	0.669	0.722	0.956	1.168	1.189	1.125
128.0	1.136	1.083	0.924	0.711	0.679	0.722	1.009	1.104	1.178	1.125
128.5	1.136	1.083	0.934	0.722	0.690	0.733	0.987	1.104	1.168	1.125
129.0	1.125	1.083	0.934	0.733	0.701	0.743	0.966	1.094	1.168	1.125
129.5	1.125	1.083	0.934	0.743	0.711	0.754	0.966	1.104	1.168	1.125
130.0	1.125	1.072	0.934	0.743	0.711	0.764	0.966	1.115	1.168	1.125
130.5	1.125	1.072	0.924	0.754	0.711	0.764	0.966	1.115	1.168	1.115
131.0	1.125	1.072	0.924	0.764	0.733	0.775	0.956	1.136	1.178	1.115
131.5	1.125	1.072	0.924	0.775	0.743	0.775	0.945	1.147	1.189	1.125
132.0	1.125	1.083	0.924	0.775	0.754	0.786	0.945	1.157	1.189	1.136
132.5	1.125	1.147	0.924	0.786	0.764	0.786	0.945	1.157	1.189	1.157
133.0	1.125	1.200	0.924	0.786	0.764	0.786	0.934	1.168	1.200	1.189
133.5	1.125	1.157	0.924	0.786	0.775	0.786	0.934	1.168	1.200	1.200
134.0	1.136	1.157	0.924	0.796	0.775	0.786	0.924	1.168	1.210	1.157
134.5	1.136	1.157	0.924	0.796	0.786	0.786	0.924	1.168	1.210	1.157
135.0	1.147	1.157	0.913	0.796	0.796	0.786	0.924	1.168	1.221	1.168
135.5	1.147	1.157	0.902	0.796	0.796	0.786	0.913	1.168	1.221	1.168
136.0	1.157	1.157	0.892	0.796	0.786	0.786	0.902	1.157	1.221	1.178
136.5	1.168	1.157	0.892	0.807	0.786	0.796	0.892	1.157	1.210	1.178
137.0	1.178	1.157	0.892	0.807	0.786	0.786	0.892	1.157	1.210	1.168
137.5	1.178	1.157	0.881	0.818	0.786	0.796	0.881	1.147	1.210	1.168
138.0	1.178	1.157	0.871	0.828	0.796	0.796	0.849	1.147	1.200	1.168
138.5	1.178	1.157	0.860	0.828	0.796	0.786	0.839	1.136	1.200	1.157

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139.0	1.168	1.157	0.849	0.839	0.796	0.796	0.828	1.125	1.189	1.168
139.5	1.168	1.157	0.849	0.839	0.807	0.796	0.828	1.125	1.178	1.157
140.0	1.168	1.157	0.839	0.849	0.807	0.796	0.828	1.115	1.178	1.157
140.5	1.168	1.157	0.849	0.849	0.807	0.796	0.828	1.115	1.178	1.147
141.0	1.168	1.147	0.860	0.849	0.818	0.786	0.839	1.104	1.168	1.147
141.5	1.168	1.147	0.860	0.849	0.828	0.786	0.839	1.094	1.157	1.136
142.0	1.168	1.136	0.871	0.849	0.828	0.786	0.839	1.083	1.157	1.125
142.5	1.168	1.136	0.871	0.849	0.828	0.786	0.849	1.083	1.147	1.125
143.0	1.157	1.136	0.881	0.849	0.839	0.786	0.849	1.083	1.136	1.125
143.5	1.157	1.115	0.881	0.860	0.839	0.786	0.849	1.072	1.125	1.115
144.0	1.147	1.104	0.881	0.860	0.849	0.796	0.849	1.062	1.115	1.104
144.5	1.136	1.094	0.892	0.860	0.849	0.807	0.871	1.062	1.083	1.104
145.0	1.125	1.062	0.913	0.871	0.849	0.807	0.881	1.030	1.072	1.083
145.5	1.125	1.051	0.924	0.871	0.860	0.807	0.892	1.030	1.062	1.051
146.0	1.104	1.040	0.934	0.860	0.860	0.807	0.902	1.030	1.051	1.040
146.5	1.094	1.019	0.934	0.860	0.871	0.807	0.902	1.009	1.040	1.040
147.0	1.072	0.998	0.934	0.860	0.871	0.807	0.913	0.966	1.030	1.019
147.5	1.030	0.987	0.945	0.860	0.871	0.807	0.924	0.966	0.998	0.987
148.0	1.019	0.987	0.945	0.860	0.871	0.807	0.924	0.966	0.966	0.977
148.5	1.009	0.998	0.945	0.860	0.860	0.818	0.934	0.977	0.966	0.977
149.0	0.977	0.998	0.966	0.860	0.860	0.818	0.945	0.977	0.945	0.966
149.5	0.956	1.019	0.987	0.860	0.860	0.818	0.966	0.998	0.924	0.966
150.0	0.956	1.019	0.987	0.871	0.860	0.807	0.977	0.998	0.902	0.966
150.5	0.956	1.030	0.966	0.871	0.849	0.807	0.966	0.998	0.902	0.977
151.0	0.966	1.040	0.956	0.881	0.849	0.828	0.956	1.019	0.913	0.987
151.5	0.987	1.062	0.966	0.892	0.839	0.828	0.956	1.030	0.913	0.977
152.0	0.998	1.062	0.977	0.902	0.839	0.839	0.966	1.030	0.945	0.977
152.5	1.009	1.072	0.977	0.913	0.849	0.849	0.966	1.030	0.945	0.977
153.0	1.040	1.072	0.987	0.913	0.871	0.849	0.966	1.030	0.966	0.966
153.5	1.040	1.083	0.977	0.913	0.871	0.849	0.966	1.040	0.987	0.956
154.0	1.040	1.083	0.977	0.913	0.881	0.860	0.966	1.051	0.987	0.956
154.5	1.040	1.083	0.977	0.913	0.881	0.871	0.977	1.062	0.987	0.956
155.0	1.040	1.094	0.977	0.913	0.871	0.881	0.987	1.062	0.987	0.956
155.5	1.040	1.094	0.977	0.913	0.860	0.881	0.987	1.051	0.987	0.956
156.0	1.051	1.094	0.977	0.913	0.849	0.892	0.998	1.040	0.987	0.956
156.5	1.051	1.094	0.977	0.913	0.849	0.902	0.998	1.040	0.998	0.977
157.0	1.051	1.094	0.977	0.913	0.849	0.902	1.009	1.040	0.998	0.977
157.5	1.062	1.094	0.966	0.913	0.849	0.902	1.009	1.030	1.009	0.977
158.0	1.062	1.094	0.966	0.913	0.849	0.892	1.019	1.019	1.009	0.987
158.5	1.062	1.094	0.966	0.924	0.849	0.892	1.019	1.019	1.009	0.987
159.0	1.062	1.083	0.977	0.924	0.849	0.892	1.019	1.019	1.009	0.987
159.5	1.072	1.083	0.987	0.934	0.849	0.902	1.019	1.019	1.019	0.998
160.0	1.072	1.072	0.987	0.934	0.860	0.902	1.019	1.019	1.019	0.998
160.5	1.072	1.072	0.998	0.945	0.860	0.913	1.030	1.019	1.009	0.998
161.0	1.072	1.072	1.009	0.945	0.871	0.913	1.040	1.019	1.009	0.987
161.5	1.083	1.072	1.019	0.945	0.881	0.924	1.040	1.019	1.009	0.987
162.0	1.072	1.072	1.019	0.945	0.892	0.924	1.051	1.030	0.987	0.987
162.5	1.083	1.072	1.019	0.945	0.902	0.924	1.051	1.030	0.987	0.977
163.0	1.083	1.072	1.030	0.945	0.902	0.934	1.062	1.040	0.987	0.987
163.5	1.094	1.083	1.030	0.945	0.913	0.934	1.062	1.051	0.998	0.998
164.0	1.094	1.083	1.040	0.956	0.924	0.956	1.072	1.062	0.998	1.009
164.5	1.094	1.083	1.051	0.956	0.934	0.956	1.083	1.062	1.009	1.009
165.0	1.104	1.094	1.051	0.956	0.934	0.977	1.104	1.072	0.998	1.019
165.5	1.115	1.094	1.062	0.956	0.934	0.977	1.104	1.083	1.009	1.030
166.0	1.115	1.104	1.072	0.977	0.956	0.987	1.104	1.104	1.019	1.030
166.5	1.125	1.104	1.072	0.987	0.998	0.998	1.115	1.115	1.009	1.030

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167.0	1.125	1.104	1.083	0.987	1.040	1.009	1.125	1.115	1.019	1.040
167.5	1.136	1.115	1.094	0.977	1.019	1.019	1.136	1.125	1.030	1.040
168.0	1.147	1.125	1.115	0.987	0.977	1.030	1.136	1.136	1.040	1.051
168.5	1.157	1.136	1.115	0.998	0.956	1.030	1.147	1.147	1.072	1.072
169.0	1.157	1.136	1.104	1.009	0.956	1.030	1.147	1.147	1.072	1.072
169.5	1.157	1.147	1.115	1.009	0.966	1.040	1.147	1.147	1.083	1.083
170.0	1.157	1.147	1.115	1.009	0.977	1.040	1.136	1.147	1.094	1.094
170.5	1.157	1.136	1.104	1.009	1.009	1.040	1.136	1.136	1.104	1.104
171.0	1.168	1.136	1.104	1.009	1.072	1.040	1.136	1.125	1.136	1.136
171.5	1.168	1.125	1.115	1.019	1.104	1.040	1.136	1.125	1.147	1.147
172.0	1.168	1.125	1.115	1.019	1.062	1.040	1.147	1.115	1.147	1.147
172.5	1.168	1.125	1.125	1.019	0.987	1.040	1.147	1.115	1.147	1.147
173.0	1.178	1.147	1.136	1.019	0.977	1.051	1.147	1.115	1.147	1.147
173.5	1.189	1.168	1.147	1.040	0.998	1.062	1.147	1.125	1.147	1.147
174.0	1.200	1.178	1.168	1.051	1.009	1.062	1.147	1.125	1.147	1.147
174.5	1.200	1.200	1.189	1.072	1.030	1.062	1.147	1.125	1.147	1.147
175.0	1.200	1.200	1.200	1.083	1.040	1.062	1.147	1.125	1.147	1.147
175.5	1.200	1.200	1.200	1.083	1.040	1.062	1.147	1.125	1.147	1.147
176.0	1.189	1.200	1.200	1.083	1.062	1.051	1.136	1.115	1.136	1.136
176.5	1.178	1.189	1.200	1.083	1.072	1.051	1.125	1.115	1.136	1.136
177.0	1.178	1.189	1.200	1.083	1.083	1.051	1.115	1.115	1.125	1.136
177.5	1.168	1.178	1.189	1.083	1.083	1.062	1.115	1.104	1.125	1.125
178.0	1.157	1.178	1.189	1.104	1.094	1.062	1.115	1.104	1.125	1.125
178.5	1.147	1.168	1.178	1.115	1.115	1.062	1.104	1.094	1.125	1.125
179.0	1.136	1.168	1.178	1.125	1.136	1.072	1.115	1.094	1.125	1.125
179.5	1.136	1.168	1.178	1.136	1.157	1.072	1.115	1.083	1.125	1.125
180.0	1.136	1.136	1.136	1.136	1.136	1.136	1.136	1.136	1.136	1.136

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	1933.398	1933.398	1933.398	1933.398	1933.398	1933.398	1933.398
0.5	1933.090	1933.069	1932.209	1932.188	1933.101	1933.111	1933.419
1.0	1932.740	1932.156	1931.848	1931.869	1932.188	1932.496	1933.419
1.5	1931.583	1931.200	1930.340	1930.638	1931.264	1931.572	1932.814
2.0	1930.659	1929.757	1929.470	1929.693	1930.330	1930.946	1932.230
2.5	1929.427	1928.228	1927.941	1928.408	1929.088	1930.022	1931.614
3.0	1927.888	1926.667	1926.104	1926.391	1927.856	1929.077	1930.701
3.5	1926.327	1924.522	1924.246	1925.128	1926.295	1927.920	1929.470
4.0	1924.501	1922.983	1922.091	1922.410	1924.575	1926.402	1928.302
4.5	1922.356	1920.520	1919.639	1920.265	1922.431	1924.862	1927.357
5.0	1920.191	1918.046	1917.133	1918.088	1920.573	1923.004	1925.828
5.5	1918.142	1915.413	1914.234	1915.583	1918.364	1921.146	1923.981
6.0	1915.381	1912.355	1911.463	1912.833	1915.604	1919.278	1922.537
6.5	1912.907	1909.563	1908.661	1909.924	1913.109	1916.836	1920.414
7.0	1910.126	1906.473	1904.998	1906.537	1910.221	1914.511	1918.566
7.5	1907.057	1903.118	1902.163	1903.734	1907.174	1912.345	1915.795
8.0	1903.649	1899.689	1897.587	1899.774	1904.371	1909.595	1913.927
8.5	1900.432	1895.910	1894.402	1896.578	1900.963	1906.781	1911.049
9.0	1897.003	1891.864	1890.028	1891.928	1897.523	1903.660	1908.257
9.5	1893.308	1887.872	1885.431	1887.915	1893.775	1900.199	1905.221
10.0	1889.507	1883.604	1881.237	1883.934	1890.389	1896.823	1902.736
10.5	1885.823	1879.241	1877.680	1879.857	1886.386	1893.436	1898.797
11.0	1881.577	1874.261	1871.947	1874.697	1882.415	1890.070	1895.676
11.5	1877.202	1869.282	1866.214	1869.548	1878.296	1886.322	1891.949
12.0	1872.191	1864.313	1860.481	1864.388	1872.690	1882.267	1888.255

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CANDELA TABULATION - (Cont.)

12.5	1867.191	1859.334	1854.790	1859.228	1867.074	1878.529	1884.263
13.0	1862.190	1854.301	1850.373	1854.057	1861.468	1874.219	1880.303
13.5	1857.189	1848.027	1844.417	1848.430	1855.905	1869.919	1876.024
14.0	1852.178	1842.156	1838.057	1842.272	1853.155	1865.619	1871.692
14.5	1846.848	1836.051	1831.836	1836.189	1847.804	1861.309	1867.350
15.0	1841.221	1829.776	1825.434	1829.967	1842.092	1856.871	1862.763
15.5	1834.989	1823.172	1818.681	1823.671	1836.115	1850.416	1858.092
16.0	1828.884	1816.399	1811.759	1816.908	1830.158	1845.213	1853.197
16.5	1822.907	1809.519	1804.593	1809.901	1824.096	1839.576	1848.271
17.0	1816.441	1802.660	1797.607	1803.212	1817.726	1833.959	1842.984
17.5	1809.763	1795.643	1790.058	1796.088	1811.101	1828.247	1837.739
18.0	1803.106	1787.988	1782.552	1788.826	1804.571	1822.249	1831.847
18.5	1796.131	1780.503	1774.663	1781.384	1797.755	1816.102	1826.294
19.0	1788.943	1772.837	1766.828	1773.506	1790.472	1809.774	1820.508
19.5	1781.702	1765.172	1758.695	1765.819	1783.624	1803.584	1814.350
20.0	1774.515	1757.135	1750.435	1757.973	1776.373	1796.938	1808.447
20.5	1767.125	1748.843	1742.090	1749.915	1769.005	1790.122	1802.597
21.0	1759.332	1740.700	1733.745	1741.751	1761.148	1783.359	1795.812
21.5	1751.083	1732.079	1724.848	1733.108	1753.440	1776.436	1789.028
22.0	1743.237	1723.479	1715.877	1724.371	1745.743	1769.164	1782.647
22.5	1735.242	1714.539	1706.831	1715.622	1737.663	1761.647	1775.991
23.0	1726.951	1705.748	1697.998	1706.874	1729.286	1754.342	1768.856
23.5	1718.383	1696.724	1688.506	1697.849	1721.101	1746.815	1761.764
24.0	1709.889	1687.328	1678.994	1688.443	1712.480	1738.990	1754.226
24.5	1701.417	1677.932	1669.109	1679.132	1703.869	1730.953	1746.783
25.0	1692.106	1668.398	1659.618	1669.799	1694.908	1722.959	1739.351
25.5	1683.071	1658.768	1649.553	1660.202	1686.086	1714.868	1731.399
26.0	1674.046	1648.863	1639.541	1650.306	1677.008	1706.513	1723.394
26.5	1664.831	1639.137	1629.264	1640.443	1668.079	1698.136	1715.336
27.0	1655.233	1629.295	1619.294	1630.761	1658.439	1689.611	1706.959
27.5	1645.614	1618.901	1608.709	1620.260	1649.022	1680.798	1698.646
28.0	1636.048	1608.274	1598.156	1609.972	1639.562	1671.827	1690.279
28.5	1626.206	1598.209	1587.422	1599.812	1629.805	1662.750	1681.414
29.0	1616.056	1587.528	1576.699	1589.386	1619.740	1653.704	1673.122
29.5	1605.938	1576.901	1565.859	1578.429	1609.834	1644.541	1664.151
30.0	1596.085	1565.976	1554.860	1567.940	1599.929	1634.922	1654.914
30.5	1585.702	1555.189	1543.754	1556.941	1589.609	1625.526	1645.614
31.0	1574.958	1543.956	1532.373	1545.920	1578.875	1615.748	1636.324
31.5	1564.224	1532.798	1521.151	1534.624	1568.396	1605.885	1627.289
32.0	1553.713	1521.533	1509.897	1523.603	1558.077	1595.926	1617.840
32.5	1542.873	1510.523	1498.250	1512.349	1547.162	1585.999	1607.626
33.0	1531.959	1499.089	1486.614	1500.936	1536.269	1575.754	1598.389
33.5	1520.885	1487.144	1475.413	1489.363	1525.440	1565.530	1587.549
34.0	1509.663	1475.614	1463.564	1477.855	1514.494	1554.838	1577.145
34.5	1498.250	1464.042	1451.631	1466.006	1502.911	1544.370	1566.910
35.0	1486.932	1452.268	1439.357	1454.423	1491.773	1533.742	1557.418
35.5	1475.349	1440.249	1427.732	1442.383	1480.339	1522.722	1546.186
36.0	1463.936	1428.263	1415.554	1430.662	1468.968	1511.840	1535.675
36.5	1452.066	1416.605	1403.631	1419.004	1457.088	1500.862	1524.845
37.0	1439.846	1404.364	1390.880	1406.614	1445.579	1489.799	1514.175
37.5	1428.093	1391.836	1378.532	1394.288	1433.560	1478.290	1502.730
38.0	1416.329	1379.838	1366.121	1382.057	1421.563	1466.558	1491.752
38.5	1403.907	1367.406	1353.752	1369.986	1409.332	1455.219	1480.498
39.0	1391.687	1354.687	1340.821	1357.437	1397.601	1443.721	1469.223
39.5	1379.562	1342.116	1328.208	1344.654	1385.264	1431.947	1457.417
40.0	1367.501	1329.705	1315.414	1332.317	1372.969	1419.992	1445.271

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40.5	1354.549	1317.219	1302.748	1319.895	1360.675	1407.963	1433.932
41.0	1342.031	1303.853	1289.244	1306.900	1348.274	1395.987	1421.680
41.5	1329.588	1290.879	1276.270	1293.936	1335.470	1383.576	1409.651
42.0	1316.965	1278.276	1263.073	1281.196	1322.984	1371.387	1397.993
42.5	1303.874	1265.504	1250.014	1268.201	1310.329	1359.178	1385.561
43.0	1291.261	1251.925	1236.297	1255.036	1297.748	1346.533	1373.075
43.5	1278.489	1238.622	1222.855	1241.796	1284.742	1333.570	1360.547
44.0	1265.398	1225.499	1209.542	1228.567	1271.885	1320.925	1347.552
44.5	1252.360	1211.899	1195.952	1214.850	1259.028	1308.152	1334.610
45.0	1238.919	1198.075	1181.534	1201.133	1245.820	1294.828	1321.838
45.5	1226.094	1184.411	1168.337	1187.894	1232.697	1281.695	1308.832
46.0	1212.621	1170.960	1154.386	1174.399	1219.554	1268.806	1295.752
46.5	1199.073	1157.147	1140.489	1160.258	1206.197	1255.662	1282.120
47.0	1185.558	1142.824	1125.997	1146.158	1192.926	1241.754	1269.061
47.5	1172.202	1129.033	1112.269	1132.346	1179.379	1228.143	1255.832
48.0	1158.516	1115.061	1098.180	1118.660	1165.651	1214.712	1242.285
48.5	1144.470	1100.728	1084.017	1104.179	1152.104	1201.059	1228.281
49.0	1131.135	1086.735	1069.960	1089.994	1138.694	1187.310	1214.871
49.5	1117.269	1072.614	1055.670	1076.033	1124.967	1172.998	1200.793
50.0	1103.043	1058.441	1041.188	1062.125	1110.995	1159.228	1186.471
50.5	1088.731	1043.598	1026.781	1047.335	1096.980	1145.033	1172.000
51.0	1074.716	1029.286	1012.331	1032.981	1082.753	1130.965	1158.198
51.5	1060.606	1015.272	998.115	1019.030	1068.644	1116.494	1143.727
52.0	1046.051	1000.652	983.357	1004.474	1054.311	1102.257	1129.256
52.5	1031.728	986.118	968.982	989.674	1040.158	1087.637	1114.233
53.0	1017.183	971.307	954.394	975.235	1025.581	1073.219	1100.155
53.5	1002.521	956.868	939.732	961.008	1010.760	1058.218	1084.803
54.0	987.445	942.450	924.995	945.932	996.013	1043.534	1070.459
54.5	972.592	927.108	910.238	931.015	981.446	1028.787	1055.680
55.0	957.993	912.637	895.533	916.459	966.795	1013.563	1040.583
55.5	943.087	897.986	880.765	901.988	952.026	998.646	1025.485
56.0	928.170	883.228	866.124	887.295	936.632	983.846	1010.016
56.5	912.998	867.823	851.165	871.995	921.885	968.504	994.441
57.0	897.614	853.161	836.375	857.015	906.533	953.184	979.206
57.5	882.443	838.350	821.044	842.119	891.265	937.524	963.588
58.0	867.154	823.232	806.159	827.224	876.189	922.384	947.992
58.5	852.195	807.752	791.582	812.200	861.092	907.170	932.204
59.0	836.588	793.196	776.761	797.177	845.421	891.467	916.566
59.5	821.395	778.332	761.812	782.154	830.069	875.987	900.778
60.0	805.586	762.725	746.545	767.057	814.759	860.455	884.608
60.5	790.308	747.543	731.310	751.790	799.280	844.593	868.439
61.0	774.595	732.637	716.425	736.799	783.333	828.667	852.258
61.5	758.786	717.667	701.412	721.935	767.875	813.124	836.089
62.0	743.413	702.230	686.336	706.954	752.459	797.984	819.962
62.5	727.965	687.005	670.994	691.283	736.650	781.443	803.633
63.0	712.050	672.226	656.120	676.324	720.884	765.358	787.261
63.5	696.189	657.012	640.810	661.152	704.948	749.443	770.730
64.0	680.104	640.991	625.543	645.683	689.139	733.560	754.083
64.5	664.773	626.021	610.838	630.236	673.564	717.030	737.542
65.0	648.709	611.306	595.826	615.595	657.872	700.987	720.831
65.5	632.890	596.081	580.336	600.137	641.904	684.828	704.098
66.0	617.198	580.410	565.047	584.668	626.010	668.563	687.164
66.5	601.602	565.334	550.077	569.591	610.350	651.990	670.187
67.0	585.591	550.237	535.076	554.579	594.435	635.183	653.126
67.5	569.549	534.874	519.670	538.749	578.488	618.525	636.118
68.0	553.984	519.437	504.743	523.556	562.860	602.026	619.290

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CANDELA TABULATION - (Cont.)

68.5	538.441	504.764	490.113	509.000	546.935	585.198	602.260
69.0	522.176	489.422	475.132	493.786	530.861	567.978	584.699
69.5	506.165	474.060	460.204	478.041	514.733	551.022	567.394
70.0	490.612	458.814	444.937	463.379	498.988	534.545	550.343
70.5	475.058	444.130	430.339	448.505	483.403	517.228	533.249
71.0	458.835	429.065	415.613	433.513	467.106	500.061	516.092
71.5	443.302	414.456	401.036	418.554	451.445	483.912	498.373
72.0	428.120	399.433	386.268	403.945	435.934	466.532	481.300
72.5	412.290	384.962	371.754	389.166	420.285	449.757	464.027
73.0	396.460	370.066	357.135	374.387	404.179	432.823	446.678
73.5	380.832	355.436	342.696	359.555	388.699	416.208	429.351
74.0	365.904	340.742	328.341	345.201	373.527	399.316	412.311
74.5	350.680	326.494	313.584	330.868	358.218	382.669	394.846
75.0	335.370	312.023	299.049	316.334	343.014	366.191	378.018
75.5	320.474	297.138	284.461	301.714	327.970	349.968	361.095
76.0	305.578	282.635	269.682	287.094	312.681	333.660	344.012
76.5	290.609	267.931	255.434	272.528	298.072	317.438	326.940
77.0	276.138	253.109	242.683	257.791	283.134	301.671	310.600
77.5	261.613	238.914	231.981	243.108	268.610	285.725	294.038
78.0	247.387	225.919	222.585	229.709	253.959	270.012	277.656
78.5	232.958	216.449	214.548	219.517	240.337	254.596	261.306
79.0	218.530	206.968	206.511	209.335	225.887	239.445	245.200
79.5	204.101	197.497	198.474	199.154	211.427	224.709	229.741
80.0	189.673	188.080	190.458	189.014	196.977	209.962	214.516
80.5	175.287	180.287	183.303	181.901	182.517	195.215	198.697
81.0	161.739	172.686	175.924	174.236	168.088	180.489	183.833
81.5	150.347	165.201	168.524	166.368	154.743	166.337	169.224
82.0	140.516	157.747	160.848	158.841	143.945	152.343	154.923
82.5	130.855	149.678	149.636	151.122	133.817	138.679	140.346
83.0	122.403	138.042	129.655	142.597	124.442	125.493	127.362
83.5	113.825	119.293	107.837	127.468	115.906	112.498	114.207
84.0	105.522	97.783	85.318	106.711	107.455	100.065	101.541
84.5	96.392	75.200	65.210	84.034	98.844	87.983	89.151
85.0	82.760	55.920	49.146	62.884	90.096	76.400	78.576
85.5	65.348	41.385	40.992	46.481	75.636	65.889	68.013
86.0	53.786	33.985	32.838	38.327	57.491	54.136	57.438
86.5	42.234	26.585	24.685	30.174	46.980	44.241	46.874
87.0	30.683	19.185	16.531	22.020	36.459	36.395	36.310
87.5	19.132	11.785	8.494	13.866	25.948	28.549	26.935
88.0	7.995	4.597	3.928	5.839	15.437	20.703	17.709
88.5	3.440	1.646	1.412	2.261	5.202	12.857	11.923
89.0	1.295	0.584	0.531	0.679	1.954	5.245	7.825
89.5	1.019	0.541	0.488	0.552	1.030	2.134	6.200
90.0	1.040	0.552	0.488	0.573	1.030	1.518	4.618
90.5	1.083	0.563	0.499	0.584	1.083	1.518	3.036
91.0	1.115	0.584	0.520	0.605	1.125	1.593	1.465
91.5	1.136	0.595	0.531	0.616	1.168	1.709	1.423
92.0	1.178	0.626	0.563	0.658	1.210	1.826	1.433
92.5	1.263	0.679	0.584	0.690	1.263	1.911	1.455
93.0	1.306	0.711	0.616	0.701	1.295	1.996	1.486
93.5	1.317	0.754	0.648	0.733	1.306	2.038	1.508
94.0	1.306	0.775	0.658	0.743	1.317	2.060	1.508
94.5	1.295	0.764	0.669	0.743	1.317	1.954	1.561
95.0	1.274	0.764	0.679	0.754	1.306	1.954	1.582
95.5	1.263	0.764	0.690	0.754	1.285	2.017	1.582
96.0	1.253	0.764	0.701	0.764	1.285	2.007	1.561

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CANDELA TABULATION - (Cont.)

96.5	1.242	0.764	0.701	0.764	1.274	2.283	1.550
97.0	1.232	0.775	0.701	0.754	1.317	2.654	1.529
97.5	1.232	0.775	0.701	0.754	1.656	2.474	1.529
98.0	1.253	0.775	0.711	0.764	1.391	2.867	1.561
98.5	1.263	0.775	0.711	0.764	1.975	3.323	1.688
99.0	1.274	0.796	0.711	0.786	2.060	3.196	1.720
99.5	1.263	0.902	0.711	0.913	1.911	3.281	1.773
100.0	1.253	0.828	0.764	1.051	1.688	3.090	1.752
100.5	1.263	0.849	1.062	0.860	1.423	2.771	1.794
101.0	1.263	0.871	0.796	0.871	1.327	2.718	2.007
101.5	1.295	0.881	0.807	0.892	1.306	2.219	2.049
102.0	1.380	0.892	0.818	0.892	1.317	1.826	1.869
102.5	1.699	0.892	0.828	0.902	1.348	1.816	1.741
103.0	1.508	0.902	0.839	0.913	1.784	1.805	1.869
103.5	1.285	0.913	0.849	0.924	2.028	1.794	1.932
104.0	1.317	0.913	0.849	0.934	1.869	1.794	1.688
104.5	1.285	0.913	0.860	0.945	1.508	1.762	1.922
105.0	1.253	0.924	0.860	0.945	1.338	1.731	1.805
105.5	1.242	0.924	0.860	0.945	1.327	1.741	1.816
106.0	1.242	0.924	0.860	0.945	1.359	2.070	1.794
106.5	1.221	0.924	0.860	0.945	1.720	2.155	1.635
107.0	1.210	0.924	0.860	0.945	1.922	1.667	1.699
107.5	1.200	0.913	0.849	0.945	1.433	1.635	1.794
108.0	1.200	0.913	0.849	0.945	1.295	1.646	1.561
108.5	1.189	0.913	0.849	0.934	1.306	2.092	1.646
109.0	1.178	0.902	0.849	0.934	1.295	2.867	1.709
109.5	1.157	0.902	0.839	0.934	1.274	2.272	1.444
110.0	1.147	0.892	0.839	0.924	1.263	1.614	1.677
110.5	1.125	0.881	0.828	0.924	1.242	1.518	1.401
111.0	1.115	0.871	0.828	0.913	1.221	1.508	1.699
111.5	1.094	0.871	0.818	0.913	1.210	1.508	1.348
112.0	1.083	0.860	0.807	0.913	1.200	1.709	1.433
112.5	1.072	0.871	0.807	0.902	1.178	2.102	1.444
113.0	1.062	0.871	0.796	0.892	1.168	2.060	1.614
113.5	1.051	0.839	0.796	0.881	1.157	1.943	1.391
114.0	1.040	0.828	0.807	0.881	1.136	1.476	1.189
114.5	1.030	0.818	0.839	0.881	1.136	1.380	1.189
115.0	1.009	0.818	0.775	0.892	1.125	1.359	1.624
115.5	0.998	0.818	0.764	0.881	1.115	1.338	1.348
116.0	0.987	0.807	0.764	0.871	1.094	1.327	1.539
116.5	0.977	0.796	0.754	0.860	1.083	1.317	1.242
117.0	0.966	0.786	0.764	0.839	1.072	1.338	1.221
117.5	0.956	0.764	0.754	0.828	1.072	1.455	1.189
118.0	0.956	0.754	0.743	0.807	1.083	1.455	1.157
118.5	0.977	0.743	0.733	0.796	1.083	1.656	1.263
119.0	1.189	0.733	0.722	0.786	1.094	1.571	1.263
119.5	1.380	0.722	0.711	0.786	1.136	1.274	1.348
120.0	1.178	0.711	0.701	0.775	1.125	1.370	1.327
120.5	0.956	0.701	0.690	0.764	1.062	1.221	1.168
121.0	0.934	0.701	0.679	0.764	1.030	1.210	1.157
121.5	0.945	0.690	0.669	0.754	1.009	1.189	1.157
122.0	0.956	0.690	0.669	0.754	1.009	1.178	1.157
122.5	0.934	0.690	0.658	0.754	1.009	1.168	1.157
123.0	0.924	0.690	0.648	0.754	0.998	1.168	1.157
123.5	0.924	0.690	0.648	0.754	1.009	1.210	1.168
124.0	0.934	0.690	0.648	0.754	1.009	1.168	1.168

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CANDELA TABULATION - (Cont.)

124.5	0.945	0.690	0.658	0.754	1.019	1.136	1.168
125.0	0.945	0.701	0.658	0.754	1.019	1.125	1.168
125.5	0.945	0.701	0.669	0.754	1.009	1.125	1.168
126.0	0.945	0.701	0.679	0.754	1.009	1.125	1.157
126.5	0.945	0.701	0.679	0.764	1.009	1.115	1.147
127.0	0.945	0.711	0.690	0.764	1.009	1.115	1.147
127.5	0.945	0.711	0.701	0.775	1.009	1.104	1.136
128.0	0.945	0.722	0.711	0.775	0.998	1.104	1.136
128.5	0.945	0.733	0.722	0.786	0.998	1.104	1.136
129.0	0.945	0.733	0.733	0.796	0.998	1.136	1.125
129.5	0.945	0.743	0.743	0.807	0.998	1.221	1.125
130.0	0.945	0.754	0.754	0.818	0.998	1.136	1.125
130.5	0.945	0.754	0.764	0.818	1.009	1.094	1.125
131.0	0.945	0.764	0.786	0.828	1.009	1.094	1.125
131.5	0.945	0.775	0.796	0.839	1.009	1.094	1.125
132.0	0.945	0.775	0.807	0.839	1.009	1.104	1.125
132.5	0.945	0.775	0.818	0.849	1.009	1.125	1.125
133.0	0.945	0.786	0.828	0.860	1.009	1.168	1.125
133.5	0.945	0.796	0.839	0.860	0.998	1.327	1.125
134.0	0.945	0.807	0.849	0.871	0.998	1.338	1.136
134.5	0.945	0.807	0.849	0.881	0.998	1.178	1.136
135.0	0.934	0.818	0.860	0.892	0.987	1.147	1.147
135.5	0.934	0.828	0.871	0.902	0.987	1.147	1.147
136.0	0.934	0.839	0.881	0.913	0.977	1.136	1.157
136.5	0.934	0.849	0.892	0.913	0.966	1.136	1.168
137.0	0.924	0.849	0.902	0.924	0.956	1.136	1.178
137.5	0.902	0.860	0.913	0.945	0.956	1.136	1.178
138.0	0.902	0.871	0.924	0.945	0.945	1.125	1.178
138.5	0.902	0.871	0.934	0.956	0.924	1.125	1.178
139.0	0.902	0.871	0.934	0.966	0.924	1.125	1.168
139.5	0.902	0.871	0.956	0.966	0.924	1.125	1.168
140.0	0.902	0.871	0.956	0.977	0.934	1.125	1.168
140.5	0.913	0.871	0.966	0.977	0.945	1.136	1.168
141.0	0.924	0.881	0.977	0.977	0.956	1.125	1.168
141.5	0.934	0.881	0.977	0.977	0.966	1.125	1.168
142.0	0.934	0.881	0.987	0.977	0.966	1.115	1.168
142.5	0.934	0.881	0.987	0.977	0.977	1.104	1.168
143.0	0.956	0.892	0.998	0.977	0.977	1.094	1.157
143.5	0.956	0.892	0.998	0.977	0.977	1.083	1.157
144.0	0.977	0.902	0.998	0.977	0.977	1.072	1.147
144.5	0.977	0.902	0.998	0.966	0.977	1.051	1.136
145.0	0.977	0.913	0.998	0.966	0.987	1.019	1.125
145.5	0.987	0.913	0.998	0.966	0.987	1.009	1.125
146.0	0.987	0.902	0.998	0.966	0.987	0.987	1.104
146.5	0.987	0.902	1.009	0.956	0.998	0.945	1.094
147.0	0.987	0.902	1.009	0.956	1.019	0.934	1.072
147.5	0.998	0.902	1.009	0.945	1.030	0.934	1.030
148.0	1.019	0.913	1.009	0.956	1.030	0.945	1.019
148.5	1.030	0.913	0.998	0.956	1.030	0.945	1.009
149.0	1.030	0.924	0.987	0.956	1.051	0.956	0.977
149.5	1.030	0.924	0.987	0.956	1.062	0.956	0.956
150.0	1.040	0.924	0.987	0.966	1.040	0.977	0.956
150.5	1.051	0.913	0.987	0.966	1.030	0.987	0.956
151.0	1.051	0.913	0.987	0.977	1.030	0.998	0.966
151.5	1.040	0.913	0.987	0.977	1.030	0.998	0.987
152.0	1.040	0.924	0.987	0.977	1.030	1.019	0.998

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CANDELA TABULATION - (Cont.)

152.5	1.040	0.913	0.977	0.987	1.019	1.019	1.009
153.0	1.051	0.913	0.966	0.998	1.019	1.030	1.040
153.5	1.051	0.913	0.977	0.998	1.019	1.040	1.040
154.0	1.051	0.924	0.977	0.998	1.019	1.062	1.040
154.5	1.040	0.924	0.977	0.998	1.019	1.062	1.040
155.0	1.040	0.924	0.977	0.998	1.030	1.072	1.040
155.5	1.051	0.924	0.966	1.009	1.030	1.072	1.040
156.0	1.040	0.934	0.966	1.009	1.030	1.072	1.051
156.5	1.040	0.945	0.977	1.009	1.019	1.072	1.051
157.0	1.030	0.956	0.987	1.019	1.019	1.072	1.051
157.5	1.030	0.956	0.998	1.019	1.030	1.072	1.062
158.0	1.030	0.966	0.998	1.019	1.030	1.072	1.062
158.5	1.030	0.977	1.009	1.019	1.030	1.072	1.062
159.0	1.030	0.987	1.019	1.030	1.030	1.072	1.062
159.5	1.019	0.998	1.030	1.040	1.030	1.072	1.072
160.0	1.009	1.009	1.019	1.040	1.040	1.072	1.072
160.5	1.009	1.019	1.019	1.040	1.040	1.072	1.072
161.0	1.009	1.030	1.019	1.040	1.040	1.072	1.072
161.5	1.019	1.040	1.019	1.040	1.040	1.083	1.083
162.0	1.019	1.051	1.019	1.030	1.051	1.083	1.072
162.5	1.009	1.062	1.009	1.030	1.051	1.083	1.083
163.0	1.009	1.062	1.009	1.030	1.051	1.072	1.083
163.5	1.009	1.072	1.009	1.019	1.051	1.072	1.094
164.0	1.009	1.083	1.019	1.030	1.051	1.072	1.094
164.5	1.019	1.094	1.019	1.030	1.062	1.072	1.094
165.0	1.019	1.104	1.030	1.040	1.072	1.062	1.104
165.5	1.030	1.104	1.030	1.040	1.072	1.051	1.115
166.0	1.051	1.115	1.030	1.051	1.072	1.062	1.115
166.5	1.062	1.125	1.040	1.051	1.062	1.072	1.125
167.0	1.083	1.136	1.051	1.062	1.062	1.083	1.125
167.5	1.094	1.147	1.062	1.062	1.083	1.083	1.136
168.0	1.115	1.157	1.072	1.062	1.104	1.083	1.147
168.5	1.125	1.157	1.072	1.072	1.104	1.083	1.157
169.0	1.125	1.157	1.083	1.094	1.104	1.083	1.157
169.5	1.136	1.157	1.083	1.157	1.094	1.094	1.157
170.0	1.147	1.157	1.094	1.210	1.072	1.094	1.157
170.5	1.157	1.157	1.094	1.178	1.072	1.094	1.157
171.0	1.168	1.157	1.094	1.083	1.062	1.104	1.168
171.5	1.168	1.168	1.094	1.083	1.062	1.125	1.168
172.0	1.178	1.168	1.083	1.094	1.062	1.136	1.168
172.5	1.178	1.178	1.083	1.094	1.072	1.147	1.168
173.0	1.178	1.189	1.083	1.094	1.083	1.147	1.178
173.5	1.189	1.189	1.083	1.115	1.083	1.157	1.189
174.0	1.189	1.200	1.094	1.115	1.094	1.168	1.200
174.5	1.189	1.200	1.094	1.125	1.094	1.178	1.200
175.0	1.189	1.200	1.104	1.125	1.094	1.178	1.200
175.5	1.189	1.200	1.104	1.125	1.094	1.178	1.200
176.0	1.189	1.200	1.094	1.125	1.094	1.178	1.189
176.5	1.189	1.200	1.115	1.147	1.104	1.168	1.178
177.0	1.178	1.200	1.125	1.157	1.115	1.168	1.178
177.5	1.168	1.189	1.125	1.157	1.115	1.147	1.168
178.0	1.157	1.178	1.125	1.168	1.115	1.136	1.157
178.5	1.157	1.168	1.115	1.178	1.104	1.125	1.147
179.0	1.157	1.168	1.115	1.178	1.104	1.125	1.136
179.5	1.157	1.178	1.125	1.178	1.104	1.125	1.136
180.0	1.136	1.136	1.136	1.136	1.136	1.136	1.136

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	705.17	N.A.	13.00
0-30	1493.15	N.A.	27.40
0-40	2438.05	N.A.	44.80
0-60	4292.88	N.A.	78.90
0-80	5336.26	N.A.	98.10
0-90	5434.6	N.A.	99.90
10-90	5251.81	N.A.	96.50
20-40	1732.88	N.A.	31.80
20-50	2708.98	N.A.	49.80
40-70	2521.77	N.A.	46.30
60-80	1043.37	N.A.	19.20
70-80	376.43	N.A.	6.90
80-90	98.34	N.A.	1.80
90-110	2.67	N.A.	0.00
90-120	3.67	N.A.	0.10
90-130	4.51	N.A.	0.10
90-150	5.87	N.A.	0.10
90-180	6.73	N.A.	0.10
110-180	4.06	N.A.	0.10
0-180	5441.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	182.79
10-20	522.38
20-30	787.98
30-40	944.90
40-50	976.10
50-60	878.73
60-70	666.94
70-80	376.43
80-90	98.34
90-100	1.40
100-110	1.27
110-120	1.00
120-130	0.84
130-140	0.75
140-150	0.61
150-160	0.45
160-170	0.29
170-180	0.11

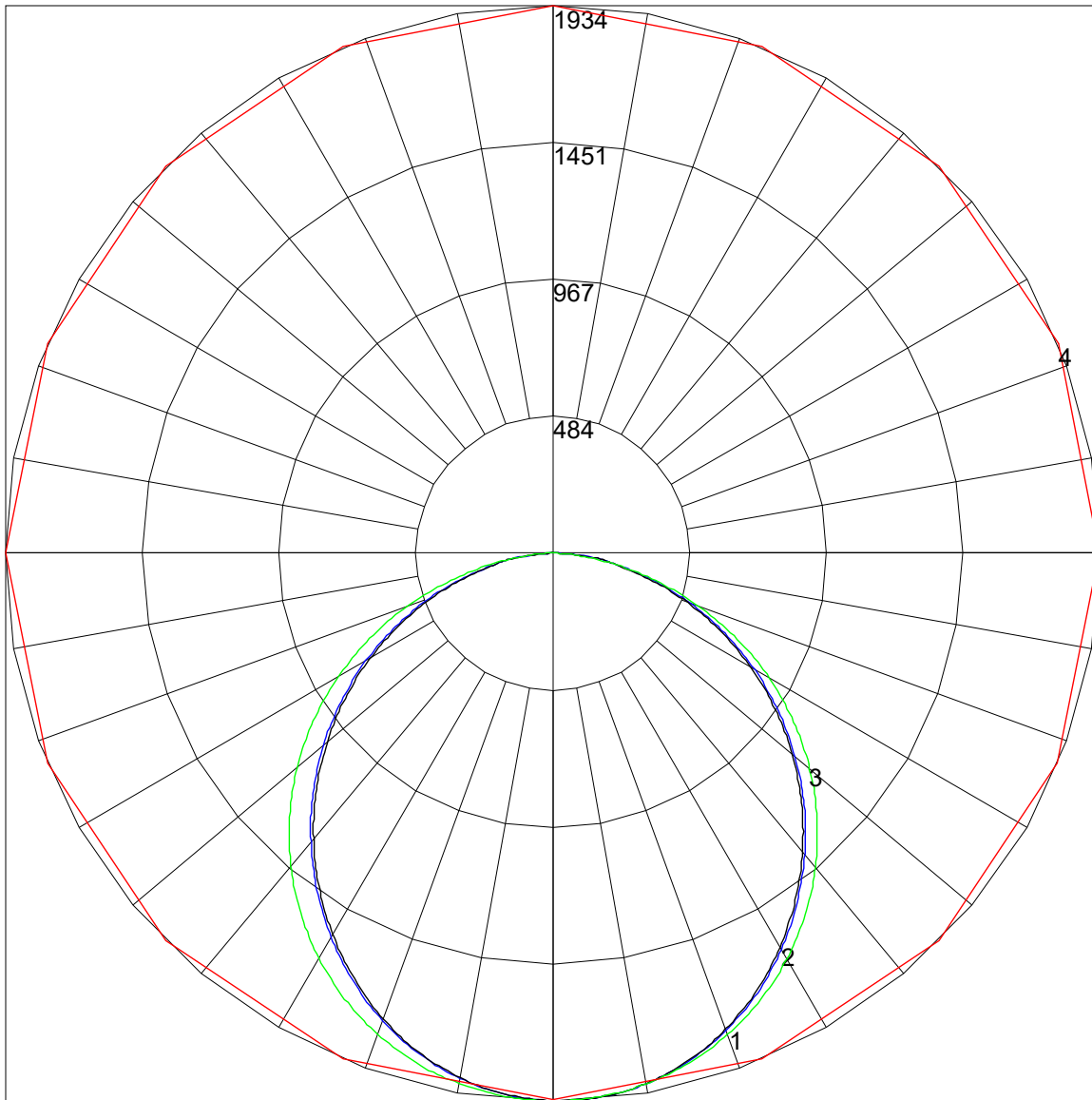
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LVL24M-40.IES

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	45	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 = 1934.003 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.)