IES FLOOD REPORT
PHOTOMETRIC FILENAME : LEDHCL-900.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] 2
[ISSUEDATE] 2015-04-28 12:11
[MANUFAC] LARSON ELECTROINCS LLC
[LUMCAT]
[LUMINAIRE] LEDHCL-900
[LAMPCAT]
[LAMP]
[VOLTAGE] 219.9 V
[CURRENT] 0.405 A
[POWERFACTOR] 0.979

Note: Candela values converted from Type-C to Type-B

CHARACTERISTICS



NEMA Type	7 H x 7 V
Maximum Candela	2312.975
Maximum Candela Angle	29H 29V
Horizontal Beam Angle (50%)	114.2
Vertical Beam Angle (50%)	122.1
Horizontal Field Angle (10%)	166.9
Vertical Field Angle (10%)	176.7
Lumens Per Lamp	8584.9 (1 lamp)
Total Lamp Lumens	8584.9
Beam Lumens	5861
Beam Efficiency	68 %
Field Lumens	7620
Field Efficiency	89 %
Spill Lumens	64
Luminaire Lumens	7684
Total Efficiency	90 %
Total Luminaire Watts	87.2
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	162.308	90	166.575
85	205.92	85	209.17
75	528.62	75	662.17
65	904.41	65	1070.1
55	1325.27	55	1527.87
47.5	1718.915	47.5	1785.79
42.5	1968.715	42.5	1858.23
37.5	2148.82	37.5	1891.73
33	2172.21	33	1945.95
29	2150.54	29	1883.98
25.5	2066.83	25.5	1834.635
22.5	1989.22	22.5	1814.65
19.5	1904.49	19.5	1774.985
17	1811.34	17	1712.32
15	1736.91	15	1701.19
13	1727.17	13	1637.3
11	1720.54	11	1661.35
9	1658.3	9	1580.16
7	1601.31	7	1602.7
5	1590.37	5	1543.85
3	1603.23	3	1526.48
1	1535.96	1	1535.96
0	1509.475	0	1509.475
-1	1551.53	-1	1502.36
-3	1567.31	-3	1558.09
-5	1622.65	-5	1515.55
-7	1653	-7	1570.16
-9	1663.54	-9	1552.4
-11	1685.88	-11	1590.04
-13	1736.91	-13	1611.51
-15	1768.13	-15	1630.93
-17	1861.58	-17	1671.43
-19.5	1905.88	-19.5	1669.475
-22.5	1999.86	-22.5	1687.035
-25.5	2060.635	-25.5	1755
-29	2143.25	-29	1741.81
-33	2191.43	-33	1723.65
-37.5	2115.81	-37.5	1675.865
-42.5	1919.035	-42.5	1639.415
-47.5	1645.415	-47.5	1498.245
-55	1271.18	-55	1195.56
-65	851.98	-65	820.57
-75	450.68	-75	453.2
-85	171.26	-85	176.03
-90	151.95	-90	155.449

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CANDELA TABULATION
Maximum Candela = 2312.975
Beam Edge = 1156.4875 Cd (50% of Max.)
Field Edge = 231.2975 Cd (10% of Max.)
* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	-90.0	-85.0	-75.0	-65.0	-55.0	-47.5	-42.5	-37.5	-33.0	-29.0
90.0	151.932	163.032	185.276	205.470	219.503	230.028	230.551	224.580	219.207	214.431
85.0	151.936	164.891	191.878	218.828	240.663 *	258.067 *	263.192 *	260.718 *	258.907 *	257.872 *
75.0	151.942	168.322	203.596	267.785 *	405.225 *	498.456 *	551.496 *	585.965 *	611.672 *	632.434 *
65.0	151.947	171.158	231.889 *	428.566 *	619.751 *	753.494 *	838.615 *	920.832 *	978.780 *	1024.899 *
55.0	151.951	172.803	312.392 *	556.728 *	783.097 *	1011.612 *	1139.750 *	1257.227 *	1318.657 *	1374.608 *
47.5	151.954	174.029	359.424 *	636.471 *	938.961 *	1174.203 *	1329.172 *	1482.938 *	1565.734 *	1671.725 *
42.5	151.955	174.716	382.292 *	665.037 *	1029.572 *	1280.130 *	1439.127 *	1606.290 *	1766.132 *	1856.995 *
37.5	151.956	175.376	403.863 *	694.514 *	1081.060 *	1358.701 *	1534.428 *	1741.325 *	1910.272 *	2036.176 *
33.0	151.956	175.415	422.852 *	719.316 *	1141.224 *	1431.118 *	1617.278 *	1830.246 *	2011.694 *	2101.365 *
29.0	151.956	175.422	437.398 *	752.302 *	1200.397 *	1458.238 *	1684.898 *	1948.086 *	2053.988 *	2181.113 *
25.5	151.956	175.299	445.767 *	782.288 *	1232.182 *	1505.832 *	1725.466 *	1951.087 *	2107.905 *	2160.796 *
22.5	151.956	175.102	451.374 *	806.067 *	1251.946 *	1521.496 *	1789.163 *	1989.892 *	2144.937 *	2171.456 *
19.5	151.956	174.823	455.771 *	826.143 *	1255.912 *	1556.493 *	1859.147 *	2017.651 *	2119.394 *	2182.466 *
17.0	151.955	174.529	458.568 *	841.002 *	1264.594 *	1588.987 *	1870.703 *	2047.005 *	2124.489 *	2162.304 *
15.0	151.955	174.256	460.066 *	849.858 *	1271.493 *	1611.314 *	1879.211 *	2073.897 *	2151.838 *	2139.159 *
13.0	151.954	173.950	460.908 *	855.436 *	1275.313 *	1626.355 *	1890.365 *	2085.392 *	2163.373 *	2133.590 *
11.0	151.954	173.970	461.097 *	859.552 *	1281.915 *	1637.852 *	1901.649 *	2093.628 *	2174.700 *	2137.112 *
9.0	151.953	173.482	460.636 *	862.116 *	1286.753 *	1650.503 *	1911.127 *	2099.566 *	2182.724 *	2140.028 *
7.0	151.953	172.991	459.531 *	863.034 *	1288.530 *	1659.006 *	1916.360 *	2109.984 *	2176.665 *	2143.966 *
5.0	151.952	172.498	459.704 *	862.215 *	1287.275 *	1659.221 *	1921.322 *	2111.833 *	2176.371 *	2146.387 *
3.0	151.952	172.003	456.099 *	861.814 *	1286.253 *	1655.617 *	1923.145 *	2113.479 *	2180.978 *	2146.233 *
1.0	151.951	171.508	452.487 *	855.260 *	1276.208 *	1649.271 *	1921.390 *	2115.027 *	2188.084 *	2144.477 *
0.0	151.950	171.260	450.680 *	851.980 *	1271.180 *	1645.415 *	1919.035 *	2115.810 *	2191.430 *	2143.250 *
-1.0	151.950	171.260	452.262 *	855.565 *	1277.223 *	1651.684 *	1923.981 *	2118.260 *	2190.710 *	2146.193 *
-3.0	151.950	171.980	455.425 *	862.728 *	1289.293 *	1662.890 *	1930.929 *	2122.853 *	2188.606 *	2152.078 *
-5.0	151.950	172.459	458.581 *	863.654 *	1292.464 *	1671.451 *	1934.328 *	2126.388 *	2188.347 *	2158.151 *
-7.0	151.950	172.937	457.948 *	864.933 *	1295.948 *	1676.356 *	1934.637 *	2128.567 *	2191.913 *	2164.580 *
-9.0	151.950	173.413	458.594 *	864.360 *	1296.555 *	1671.844 *	1935.433 *	2122.917 *	2200.193 *	2170.961 *
-11.0	151.950	173.886	458.591 *	861.997 *	1294.291 *	1660.915 *	1932.705 *	2121.436 *	2207.577 *	2177.936 *
-13.0	151.949	173.867	457.933 *	857.907 *	1290.447 *	1649.409 *	1928.549 *	2114.188 *	2210.347 *	2182.519 *
-15.0	151.949	174.166	456.614 *	852.151 *	1291.487 *	1634.407 *	1919.430 *	2100.242 *	2201.117 *	2176.764 *
-17.0	151.949	174.435	454.631 *	842.742 *	1290.266 *	1612.371 *	1910.099 *	2087.275 *	2180.182 *	2181.538 *
-19.5	151.948	174.728	451.217 *	826.621 *	1284.718 *	1587.121 *	1886.931 *	2066.548 *	2157.697 *	2202.092 *
-22.5	151.947	175.014	445.969 *	804.340 *	1275.894 *	1563.123 *	1844.937 *	2035.637 *	2154.027 *	2194.907 *
-25.5	151.946	175.226	439.372 *	776.456 *	1258.926 *	1545.585 *	1770.838 *	1993.929 *	2122.575 *	2169.639 *
-29.0	151.945	175.378	429.731 *	746.166 *	1221.915 *	1497.396 *	1701.867 *	1945.557 *	2078.190 *	2161.336 *
-33.0	151.944	175.421	413.161 *	720.946 *	1174.913 *	1448.251 *	1619.542 *	1835.117 *	1998.321 *	2109.340 *
-37.5	151.942	175.448	392.148 *	694.588 *	1102.436 *	1361.729 *	1521.886 *	1694.589 *	1884.332 *	1974.784 *
-42.5	151.940	174.761	371.650 *	665.389 *	1031.388 *	1260.173 *	1407.802 *	1552.102 *	1685.518 *	1778.765 *
-47.5	151.937	174.041	349.762 *	626.643 *	911.992 *	1135.487 *	1273.727 *	1396.703 *	1482.938 *	1548.437 *
-55.0	151.933	172.762	294.419 *	537.985 *	740.047 *	943.857 *	1064.548 *	1151.405 *	1205.249 *	1242.918 *
-65.0	151.927	171.082	224.578	406.961 *	561.271 *	667.221 *	723.206 *	774.517 *	831.439 *	874.150 *
-75.0	151.920	168.449	203.863	252.928 *	349.791 *	421.775 *	457.481 *	478.126 *	491.828 *	501.512 *
-85.0	151.914	165.419	192.270	217.254	233.031 *	244.775 *	247.007 *	243.015 *	239.066 *	235.562 *
-90.0	151.910	163.798	187.572	207.887	217.830	225.290	225.176	219.972	215.288	211.124

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	-25.5	**-22.5**	**-19.5**	**-17.0**	**-15.0**	**-13.0**	**-11.0**	**-9.0**	**-7.0**	**-5.0**
90.0	210.252	206.669	201.325	196.871	193.307	189.743	186.179	182.615	179.051	175.486
85.0	256.967 *	256.073 *	250.881 *	246.184 *	242.285 *	238.262 *	235.870 *	231.016	226.162	221.307
75.0	649.440 *	663.370 *	669.247 *	669.907 *	670.372 *	670.679 *	670.730 *	670.432 *	669.687 *	670.890 *
65.0	1056.982 *	1082.484 *	1087.788 *	1088.985 *	1091.932 *	1095.218 *	1095.989 *	1094.566 *	1091.281 *	1086.476 *
55.0	1415.117 *	1451.245 *	1485.616 *	1504.694 *	1514.389 *	1522.326 *	1526.647 *	1531.096 *	1534.174 *	1535.447 *
47.5	1743.667 *	1780.055 *	1825.196 *	1862.359 *	1862.120 *	1860.672 *	1854.720 *	1846.101 *	1836.952 *	1826.337 *
42.5	1919.943 *	1986.803 *	1994.876 *	1979.120 *	1970.469 *	1958.811 *	1949.939 *	1938.397 *	1922.952 *	1907.187 *
37.5	2038.264 *	2063.448 *	2078.184 *	2073.751 *	2054.840 *	2032.376 *	2010.204 *	1988.021 *	1967.529 *	1945.142 *
33.0	2153.166 *	2161.968 *	2102.909 *	2071.505 *	2058.082 *	2052.566 *	2037.222 *	2019.806 *	1997.009 *	1980.374 *
29.0	2185.527 *	2156.857 *	2138.520 *	2112.195 *	2076.194 *	2048.045 *	2029.179 *	1998.659 *	1965.037 *	1936.257 *
25.5	2184.955 *	2184.182 *	2121.180 *	2075.907 *	2044.739 *	2002.466 *	1969.335 *	1952.070 *	1941.326 *	1913.685 *
22.5	2183.632 *	2137.576 *	2093.350 *	2042.712 *	2015.259 *	2011.048 *	1970.877 *	1933.310 *	1901.907 *	1874.177 *
19.5	2142.288 *	2115.862 *	2063.328 *	2032.132 *	1996.446 *	1967.074 *	1947.282 *	1917.404 *	1873.712 *	1830.960 *
17.0	2127.872 *	2095.059 *	2037.056 *	2011.758 *	1990.145 *	1926.678 *	1864.841 *	1824.802 *	1826.044 *	1809.591 *
15.0	2139.324 *	2059.309 *	2015.357 *	1993.480 *	1914.727 *	1858.127 *	1827.147 *	1844.465 *	1831.735 *	1767.571 *
13.0	2132.653 *	2038.259 *	2000.271 *	1934.417 *	1870.110 *	1830.495 *	1850.424 *	1818.119 *	1735.967 *	1695.022 *
11.0	2104.992 *	2021.664 *	1972.990 *	1889.781 *	1871.774 *	1851.587 *	1836.302 *	1762.300 *	1728.184 *	1791.168 *
9.0	2076.893 *	2009.543 *	1939.802 *	1897.135 *	1877.871 *	1821.698 *	1771.277 *	1708.175 *	1699.713 *	1685.696 *
7.0	2064.976 *	2001.813 *	1921.029 *	1932.216 *	1835.057 *	1762.535 *	1724.871 *	1673.178 *	1743.590 *	1672.165 *
5.0	2055.437 *	1996.448 *	1909.191 *	1905.379 *	1791.903 *	1739.040 *	1678.222 *	1680.012 *	1670.457 *	1617.972 *
3.0	2055.549 *	1995.091 *	1908.639 *	1873.290 *	1773.868 *	1734.494 *	1679.622 *	1648.894 *	1641.118 *	1630.274 *
1.0	2058.271 *	1997.304 *	1906.414 *	1862.021 *	1765.922 *	1735.102 *	1680.211 *	1651.428 *	1652.382 *	1661.328 *
0.0	2060.635 *	1999.860 *	1905.880 *	1861.580 *	1768.130 *	1736.910 *	1685.880 *	1663.540 *	1653.000 *	1622.650 *
-1.0	2061.507 *	2000.329 *	1913.359 *	1858.673 *	1767.328 *	1735.955 *	1692.301 *	1667.411 *	1671.207 *	1662.030 *
-3.0	2065.474 *	2004.077 *	1929.061 *	1866.515 *	1775.344 *	1739.226 *	1704.704 *	1683.539 *	1736.809 *	1655.316 *
-5.0	2072.690 *	2011.146 *	1940.626 *	1903.356 *	1786.702 *	1752.856 *	1692.076 *	1723.580 *	1674.571 *	1625.282 *
-7.0	2087.255 *	2021.108 *	1953.162 *	1955.027 *	1819.452 *	1764.738 *	1721.463 *	1718.904 *	1793.718 *	1643.770 *
-9.0	2101.793 *	2033.544 *	1965.612 *	1940.740 *	1882.816 *	1802.233 *	1758.434 *	1702.937 *	1714.552 *	1678.248 *
-11.0	2128.246 *	2047.509 *	1983.817 *	1909.448 *	1895.262 *	1866.760 *	1807.276 *	1746.167 *	1744.268 *	1739.699 *
-13.0	2149.208 *	2056.302 *	2009.378 *	1925.048 *	1869.119 *	1856.683 *	1862.570 *	1772.789 *	1715.988 *	1708.640 *
-15.0	2158.468 *	2065.400 *	2016.547 *	1974.926 *	1889.528 *	1835.489 *	1833.520 *	1840.144 *	1777.147 *	1702.216 *
-17.0	2153.991 *	2094.511 *	2022.478 *	2001.496 *	1952.724 *	1874.118 *	1817.525 *	1800.248 *	1818.977 *	1783.402 *
-19.5	2154.638 *	2120.401 *	2043.085 *	1998.218 *	1962.707 *	1925.101 *	1869.662 *	1826.966 *	1786.863 *	1743.938 *
-22.5	2170.504 *	2131.950 *	2078.035 *	2010.370 *	1983.374 *	1962.832 *	1909.954 *	1848.594 *	1812.677 *	1775.173 *
-25.5	2187.547 *	2147.522 *	2086.638 *	2032.643 *	1979.891 *	1933.849 *	1914.321 *	1909.574 *	1879.429 *	1845.471 *
-29.0	2173.352 *	2137.000 *	2072.111 *	2019.302 *	1993.793 *	1973.412 *	1945.289 *	1893.816 *	1853.248 *	1816.937 *
-33.0	2110.004 *	2077.572 *	2035.551 *	2001.972 *	1970.965 *	1930.681 *	1893.866 *	1858.633 *	1830.111 *	1800.679 *
-37.5	2008.005 *	2004.067 *	1970.231 *	1935.587 *	1906.487 *	1873.657 *	1844.215 *	1816.188 *	1787.319 *	1757.019 *
-42.5	1832.597 *	1855.759 *	1848.463 *	1858.666 *	1853.536 *	1832.548 *	1803.763 *	1781.307 *	1759.867 *	1725.037 *
-47.5	1600.648 *	1634.813 *	1655.835 *	1667.778 *	1668.673 *	1660.396 *	1643.314 *	1622.143 *	1597.992 *	1572.553 *
-55.0	1268.157 *	1291.547 *	1306.277 *	1310.517 *	1311.465 *	1310.010 *	1300.169 *	1287.625 *	1271.718 *	1252.852 *
-65.0	900.839 *	917.906 *	919.480 *	914.256 *	909.214 *	902.126 *	893.270 *	882.810 *	870.917 *	857.765 *
-75.0	509.610 *	514.860 *	513.756 *	510.074 *	506.220 *	501.572 *	496.146 *	489.958 *	483.027 *	477.453 *
-85.0	232.289 *	229.333	222.710	217.011	212.387	207.707	203.677	198.651	193.624	188.598
-90.0	207.479	204.355	197.834	192.401	188.053	183.706	179.359	175.012	170.664	166.317

Vert. Angles	Horizontal Angles									
	-3.0	**-1.0**	**0.0**	**1.0**	**3.0**	**5.0**	**7.0**	**9.0**	**11.0**	**13.0**
90.0	171.922	168.357	166.575	168.596	172.639	176.681	180.724	184.767	188.809	192.851
85.0	216.452	211.597	209.170	212.650	219.611	226.571	233.532 *	240.491 *	247.450 *	251.385 *
75.0	667.403 *	663.914 *	662.170 *	665.973 *	673.578 *	681.181 *	684.323 *	689.440 *	694.252 *	698.885 *
65.0	1081.018 *	1073.740 *	1070.100 *	1076.162 *	1088.282 *	1098.516 *	1108.046 *	1115.965 *	1121.907 *	1125.516 *

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

55.0	1537.974 *	1531.239 *	1527.870 *	1533.972 *	1546.169 *	1549.454 *	1554.240 *	1557.673 *	1560.310 *	1563.634 *
47.5	1812.152 *	1795.130 *	1785.790 *	1796.799 *	1817.414 *	1835.953 *	1852.182 *	1866.913 *	1879.965 *	1890.238 *
42.5	1889.312 *	1869.182 *	1858.230 *	1870.124 *	1892.361 *	1913.005 *	1932.626 *	1950.581 *	1963.863 *	1974.148 *
37.5	1922.733 *	1901.644 *	1891.730 *	1901.669 *	1922.538 *	1943.923 *	1964.336 *	1987.811 *	2015.013 *	2041.279 *
33.0	1966.989 *	1954.196 *	1945.950 *	1952.963 *	1964.363 *	1979.142 *	2001.774 *	2034.947 *	2067.320 *	2095.031 *
29.0	1913.481 *	1893.874 *	1883.980 *	1895.089 *	1916.906 *	1941.318 *	1970.797 *	2001.469 *	2022.458 *	2037.272 *
25.5	1879.318 *	1849.402 *	1834.635 *	1847.437 *	1873.879 *	1906.112 *	1940.681 *	1969.008 *	1984.703 *	2023.389 *
22.5	1853.278 *	1827.297 *	1814.650 *	1830.029 *	1859.746 *	1879.677 *	1896.902 *	1911.350 *	1956.402 *	2018.232 *
19.5	1804.468 *	1783.101 *	1774.985 *	1779.979 *	1796.700 *	1822.121 *	1863.979 *	1925.567 *	1958.550 *	1959.172 *
17.0	1777.985 *	1735.185 *	1712.320 *	1730.073 *	1762.671 *	1784.180 *	1792.333 *	1811.582 *	1870.809 *	1927.662 *
15.0	1725.462 *	1704.167 *	1701.190 *	1709.474 *	1737.166 *	1775.241 *	1820.001 *	1821.896 *	1828.995 *	1881.455 *
13.0	1688.903 *	1656.355 *	1637.300 *	1656.746 *	1693.548 *	1712.267 *	1759.584 *	1847.025 *	1834.219 *	1843.842 *
11.0	1723.930 *	1675.716 *	1661.350 *	1662.182 *	1681.955 *	1734.813 *	1722.520 *	1748.751 *	1874.832 *	1834.074 *
9.0	1626.080 *	1591.040 *	1580.160 *	1598.991 *	1632.483 *	1662.779 *	1705.108 *	1709.838 *	1764.383 *	1851.337 *
7.0	1652.645 *	1627.910 *	1602.700 *	1639.386 *	1692.059 *	1691.106 *	1713.487 *	1707.179 *	1715.796 *	1806.742 *
5.0	1624.987 *	1572.137 *	1543.850 *	1545.315 *	1587.471 *	1605.140 *	1694.469 *	1673.025 *	1733.342 *	1769.068 *
3.0	1576.319 *	1569.840 *	1526.480 *	1534.083 *	1631.526 *	1676.659 *	1658.638 *	1664.595 *	1704.863 *	1738.927 *
1.0	1594.257 *	1593.851 *	1535.960 *	1542.495 *	1632.792 *	1625.563 *	1621.089 *	1664.487 *	1710.974 *	1726.303 *
0.0	1567.310 *	1551.530 *	1509.475 *	1535.960 *	1603.230 *	1590.370 *	1601.310 *	1658.300 *	1720.540 *	1727.170 *
-1.0	1585.100 *	1543.197 *	1502.360 *	1493.514 *	1544.671 *	1578.607 *	1638.124 *	1665.116 *	1703.176 *	1716.970 *
-3.0	1629.293 *	1604.405 *	1558.090 *	1550.284 *	1645.436 *	1611.908 *	1660.963 *	1666.839 *	1675.387 *	1703.147 *
-5.0	1603.345 *	1555.877 *	1515.550 *	1519.416 *	1548.659 *	1554.249 *	1635.928 *	1655.790 *	1677.387 *	1688.312 *
-7.0	1650.484 *	1594.551 *	1570.160 *	1584.085 *	1675.279 *	1644.662 *	1653.922 *	1683.407 *	1669.845 *	1712.703 *
-9.0	1611.256 *	1573.158 *	1552.400 *	1583.625 *	1617.965 *	1618.492 *	1672.615 *	1674.307 *	1683.883 *	1750.414 *
-11.0	1662.795 *	1605.251 *	1590.040 *	1591.903 *	1613.374 *	1654.224 *	1695.901 *	1685.907 *	1756.772 *	1790.377 *
-13.0	1693.562 *	1643.793 *	1611.510 *	1633.403 *	1672.126 *	1699.728 *	1697.065 *	1742.954 *	1793.829 *	1811.792 *
-15.0	1668.593 *	1640.773 *	1630.930 *	1641.057 *	1666.639 *	1691.117 *	1733.137 *	1774.987 *	1791.174 *	1806.238 *
-17.0	1734.568 *	1692.393 *	1671.430 *	1682.389 *	1704.409 *	1732.806 *	1758.250 *	1761.802 *	1779.018 *	1819.048 *
-19.5	1715.248 *	1684.852 *	1669.475 *	1679.106 *	1698.398 *	1716.515 *	1746.666 *	1802.338 *	1847.785 *	1861.063 *
-22.5	1739.026 *	1703.864 *	1687.035 *	1704.025 *	1737.005 *	1764.173 *	1787.042 *	1801.568 *	1855.313 *	1913.290 *
-25.5	1805.382 *	1771.537 *	1755.000 *	1765.608 *	1787.690 *	1816.288 *	1854.434 *	1906.602 *	1909.823 *	1915.587 *
-29.0	1784.493 *	1755.039 *	1741.810 *	1752.798 *	1777.113 *	1802.721 *	1829.417 *	1860.478 *	1906.034 *	1944.683 *
-33.0	1770.323 *	1739.342 *	1723.650 *	1737.649 *	1765.608 *	1793.890 *	1822.812 *	1852.327 *	1879.229 *	1909.850 *
-37.5	1725.915 *	1693.005 *	1675.865 *	1692.189 *	1723.866 *	1754.922 *	1786.579 *	1814.202 *	1840.446 *	1864.808 *
-42.5	1690.126 *	1655.959 *	1639.415 *	1655.011 *	1687.504 *	1721.397 *	1756.290 *	1776.775 *	1797.809 *	1825.043 *
-47.5	1544.956 *	1514.621 *	1498.245 *	1515.801 *	1548.624 *	1579.096 *	1608.047 *	1636.647 *	1663.484 *	1687.649 *
-55.0	1233.290 *	1208.142 *	1195.560 *	1210.601 *	1240.666 *	1265.903 *	1290.994 *	1314.120 *	1335.145 *	1354.705 *
-65.0	844.328 *	828.491 *	820.570 *	831.968 *	854.758 *	874.968 *	894.753 *	913.035 *	929.569 *	944.121 *
-75.0	467.754 *	458.051 *	453.200 *	460.250 *	474.350 *	488.446 *	498.482 *	509.882 *	520.577 *	530.558 *
-85.0	183.571	178.544	176.030	179.161	185.424	191.687	197.949	204.211	210.473	215.383
-90.0	161.970	157.622	155.449	157.813	162.540	167.268	171.996	176.724	181.452	186.179

Vert. Angles	**Horizontal Angles**									
	15.0	**17.0**	**19.5**	**22.5**	**25.5**	**29.0**	**33.0**	**37.5**	**42.5**	**47.5**
90.0	196.893	200.935	205.986	212.048	216.195	221.032	226.560	232.778 *	239.685 *	240.103 *
85.0	257.212 *	262.824 *	269.517 *	276.914 *	278.829 *	280.561 *	281.877 *	283.518 *	287.382 *	282.295 *
75.0	703.466 *	708.120 *	714.228 *	715.575 *	705.691 *	692.346 *	676.839 *	656.099 *	624.243 *	570.768 *
65.0	1126.445 *	1129.023 *	1136.600 *	1142.105 *	1121.968 *	1095.298 *	1063.039 *	1017.471 *	950.180 *	835.675 *
55.0	1561.356 *	1557.078 *	1545.494 *	1523.442 *	1497.460 *	1456.746 *	1411.208 *	1347.477 *	1244.748 *	1114.816 *
47.5	1895.024 *	1897.478 *	1878.950 *	1851.238 *	1832.134 *	1781.830 *	1684.188 *	1593.207 *	1435.387 *	1276.648 *
42.5	1981.934 *	1996.677 *	2029.201 *	2054.748 *	2021.067 *	1962.519 *	1903.795 *	1743.343 *	1553.069 *	1384.299 *
37.5	2073.131 *	2101.003 *	2132.533 *	2147.263 *	2136.039 *	2138.921 *	2061.993 *	1877.064 *	1667.654 *	1473.697 *
33.0	2100.338 *	2108.510 *	2140.125 *	2216.220 *	2267.379 *	2245.698 *	2136.884 *	1992.126 *	1756.078 *	1539.390 *
29.0	2070.282 *	2128.804 *	2199.655 *	2236.162 *	2266.318 *	2312.975 *	2206.646 *	2064.651 *	1833.675 *	1590.320 *
25.5	2070.922 *	2104.339 *	2143.229 *	2237.383 *	2281.486 *	2270.529 *	2261.313 *	2102.995 *	1901.050 *	1622.861 *

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CANDELA TABULATION - (Cont.)

22.5	2065.783 *	2095.162 *	2136.753 *	2185.624 *	2248.118 *	2293.721 *	2257.800 *	2152.450 *	1962.076 *	1668.011 *
19.5	2000.325 *	2066.538 *	2142.199 *	2165.866 *	2214.067 *	2273.032 *	2271.355 *	2198.357 *	1973.632 *	1703.270 *
17.0	1970.618 *	2016.080 *	2083.848 *	2151.220 *	2201.317 *	2246.171 *	2295.342 *	2204.646 *	1988.774 *	1723.058 *
15.0	1925.791 *	1981.262 *	2044.557 *	2129.543 *	2190.742 *	2244.970 *	2304.062 *	2204.167 *	1998.461 *	1731.066 *
13.0	1908.444 *	1947.702 *	2018.143 *	2099.071 *	2171.691 *	2245.658 *	2281.912 *	2198.625 *	2008.294 *	1739.159 *
11.0	1869.688 *	1945.956 *	1989.883 *	2076.091 *	2147.878 *	2227.649 *	2257.098 *	2195.663 *	2008.311 *	1747.572 *
9.0	1840.686 *	1919.336 *	1971.474 *	2055.180 *	2124.521 *	2210.753 *	2233.051 *	2193.004 *	2006.956 *	1751.184 *
7.0	1820.355 *	1883.714 *	1963.210 *	2033.733 *	2106.609 *	2194.042 *	2218.369 *	2187.719 *	2002.042 *	1750.960 *
5.0	1794.350 *	1852.225 *	1952.115 *	2015.757 *	2091.366 *	2177.652 *	2203.343 *	2178.708 *	1998.452 *	1747.357 *
3.0	1777.702 *	1830.646 *	1927.145 *	2001.041 *	2078.780 *	2164.606 *	2189.576 *	2168.586 *	1990.160 *	1739.377 *
1.0	1750.006 *	1814.083 *	1910.481 *	1991.741 *	2069.911 *	2154.253 *	2177.207 *	2156.010 *	1977.076 *	1726.887 *
0.0	1736.910 *	1811.340 *	1904.490 *	1989.220 *	2066.830 *	2150.540 *	2172.210 *	2148.820 *	1968.715 *	1718.915 *
-1.0	1735.077 *	1801.466 *	1902.771 *	1983.756 *	2062.560 *	2146.880 *	2171.403 *	2149.687 *	1971.336 *	1722.962 *
-3.0	1734.967 *	1793.293 *	1907.188 *	1976.439 *	2056.679 *	2142.325 *	2171.908 *	2149.715 *	1973.219 *	1727.716 *
-5.0	1729.032 *	1791.495 *	1927.455 *	1972.811 *	2054.375 *	2140.068 *	2173.161 *	2147.594 *	1971.135 *	1728.305 *
-7.0	1738.153 *	1801.964 *	1937.221 *	1974.649 *	2055.422 *	2140.506 *	2174.601 *	2144.762 *	1965.703 *	1725.081 *
-9.0	1776.428 *	1845.848 *	1925.831 *	1981.316 *	2059.881 *	2142.973 *	2174.765 *	2138.655 *	1961.731 *	1718.496 *
-11.0	1810.982 *	1888.587 *	1911.303 *	1997.299 *	2069.566 *	2150.008 *	2177.652 *	2130.450 *	1954.923 *	1707.622 *
-13.0	1839.026 *	1871.418 *	1931.178 *	2009.798 *	2083.119 *	2156.727 *	2180.974 *	2119.340 *	1947.433 *	1691.947 *
-15.0	1828.750 *	1887.546 *	1958.797 *	2026.210 *	2098.384 *	2155.250 *	2185.736 *	2107.784 *	1930.837 *	1676.261 *
-17.0	1870.466 *	1926.203 *	1981.262 *	2047.031 *	2112.532 *	2152.923 *	2183.075 *	2089.670 *	1914.762 *	1660.259 *
-19.5	1905.498 *	1957.683 *	2013.302 *	2077.625 *	2124.104 *	2161.431 *	2168.714 *	2069.958 *	1891.687 *	1633.465 *
-22.5	1963.971 *	1985.372 *	2044.655 *	2100.648 *	2139.910 *	2189.462 *	2149.218 *	2047.364 *	1858.837 *	1593.640 *
-25.5	1947.937 *	1998.984 *	2053.736 *	2120.237 *	2175.149 *	2179.512 *	2135.862 *	2016.287 *	1808.938 *	1547.514 *
-29.0	1969.935 *	1996.693 *	2052.304 *	2136.162 *	2182.298 *	2180.268 *	2113.490 *	1964.643 *	1740.019 *	1516.581 *
-33.0	1957.771 *	1993.074 *	2037.255 *	2086.070 *	2132.626 *	2162.407 *	2053.632 *	1893.398 *	1652.938 *	1449.749 *
-37.5	1892.323 *	1928.745 *	1973.929 *	2027.831 *	2056.377 *	2020.706 *	1958.214 *	1767.991 *	1563.501 *	1383.648 *
-42.5	1859.882 *	1880.279 *	1869.609 *	1893.169 *	1888.872 *	1846.046 *	1765.519 *	1615.834 *	1441.799 *	1277.888 *
-47.5	1702.289 *	1706.531 *	1700.770 *	1688.333 *	1667.209 *	1618.469 *	1548.917 *	1455.961 *	1303.609 *	1173.777 *
-55.0	1359.177 *	1359.950 *	1357.872 *	1348.539 *	1322.914 *	1286.863 *	1262.069 *	1208.769 *	1107.748 *	1003.189 *
-65.0	956.460 *	967.100 *	979.754 *	980.448 *	965.622 *	945.465 *	913.395 *	863.742 *	798.085 *	717.948 *
-75.0	539.817 *	548.346 *	557.974 *	564.634 *	560.989 *	555.316 *	546.891 *	533.822 *	517.365 *	475.223 *
-85.0	221.109	226.721	233.563 *	241.265 *	244.587 *	247.971 *	251.348 *	255.029 *	258.924 *	255.653 *
-90.0	190.907	195.634	201.543	208.633	211.699	215.275	219.362	223.959	229.067	228.914

Vert. Angles	**Horizontal Angles**				
	55.0	**65.0**	**75.0**	**85.0**	**90.0**
90.0	230.999	218.865	197.967	174.148	162.240
85.0	261.829 *	235.043 *	207.049	177.221	162.246
75.0	470.016 *	330.376 *	227.883	181.829	162.258
65.0	707.806 *	510.291 *	294.388 *	184.166	162.269
55.0	882.396 *	648.225 *	380.645 *	188.859	162.279
47.5	1049.859 *	711.905 *	432.253 *	192.860	162.286
42.5	1125.710 *	744.588 *	464.672 *	195.353	162.290
37.5	1192.442 *	786.869 *	487.003 *	197.836	162.294
33.0	1261.222 *	835.603 *	502.566 *	200.228	162.297
29.0	1290.987 *	877.912 *	514.180 *	202.455	162.299
25.5	1310.775 *	901.510 *	524.361 *	204.061	162.301
22.5	1329.708 *	914.655 *	531.156 *	205.178	162.303
19.5	1346.834 *	922.940 *	535.920 *	206.056	162.304
17.0	1357.070 *	927.695 *	538.432 *	206.603	162.305
15.0	1363.467 *	929.671 *	539.716 *	206.920	162.305
13.0	1369.397 *	930.303 *	540.351 *	207.130	162.306
11.0	1367.074 *	929.778 *	540.335 *	208.777	162.306
9.0	1363.580 *	928.056 *	539.667 *	208.262	162.307

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CANDELA TABULATION - (Cont.)

7.0	1358.195	*925.095 *	538.348 *	207.745	162.307
5.0	1350.971	*920.855 *	538.373 *	207.225	162.307
3.0	1343.798	*916.850 *	534.478 *	206.704	162.308
1.0	1331.451	*908.559 *	530.574 *	205.920	162.308
0.0	1325.270	*904.410 *	528.620 *	205.920	162.308
-1.0	1328.918	*907.242 *	529.881 *	206.107	162.308
-3.0	1336.206	*912.901 *	532.402 *	206.482	162.309
-5.0	1338.350	*914.213 *	534.917 *	206.856	162.309
-7.0	1340.582	*915.722 *	533.413 *	207.228	162.310
-9.0	1341.032	*915.879 *	533.249 *	207.599	162.310
-11.0	1339.662	*914.704 *	532.377 *	207.968	162.310
-13.0	1337.204	*912.220 *	530.789 *	206.202	162.311
-15.0	1327.686	*908.450 *	528.472 *	205.863	162.311
-17.0	1318.162	*904.086 *	525.419 *	205.421	162.311
-19.5	1305.063	*897.397 *	520.559 *	204.728	162.311
-22.5	1286.273	*887.503 *	513.615 *	203.688	162.310
-25.5	1263.421	*868.620 *	505.514 *	202.426	162.310
-29.0	1231.609	*840.130 *	494.264 *	200.676	162.309
-33.0	1189.319	*797.090 *	480.426 *	198.317	162.308
-37.5	1121.028	*747.666 *	462.496 *	195.806	162.306
-42.5	1051.332	*702.743 *	439.401 *	193.214	162.304
-47.5	971.253 *	664.900 *	403.574 *	190.647	162.301
-55.0	798.207 *	584.465 *	353.686 *	186.635	162.295
-65.0	613.814 *	452.255 *	275.698 *	182.150	162.287
-75.0	400.082 *	297.057 *	218.466	179.440	162.277
-85.0	241.371 *	223.548	199.656	175.022	162.266
-90.0	220.798	209.976	192.262	172.248	162.260

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LUMEN TABULATION
Average Of Right And Left Sides
Total Luminaire Lumens (one side of beam only) = 3842.1
Total Field Lumens (one side of beam only) = 3810.14
* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	0	1	3	5	7	9	11	13	15	17
90	0.29	0.59	0.60	0.61	0.63	0.64	0.64	0.65	0.66	0.83 *
85	1.33 *	2.69 *	2.72 *	2.74 *	2.75 *	2.76 *	2.76 *	2.76 *	2.75 *	3.43 *
75	2.64 *	5.32 *	5.35 *	5.37 *	5.37 *	5.36 *	5.34 *	5.31 *	5.26 *	6.51 *
65	3.96 *	7.97 *	7.99 *	8.00 *	7.98 *	7.95 *	7.90 *	7.83 *	7.74 *	9.52 *
55	3.79 *	7.63 *	7.67 *	7.68 *	7.68 *	7.66 *	7.63 *	7.58 *	7.50 *	9.19 *
47.5	2.78 *	5.61 *	5.66 *	5.69 *	5.71 *	5.72 *	5.71 *	5.69 *	5.65 *	6.99 *
42.5	2.86 *	5.77 *	5.83 *	5.87 *	5.90 *	5.93 *	5.94 *	5.94 *	5.94 *	7.41 *
37.5	2.64 *	5.30 *	5.34 *	5.38 *	5.42 *	5.45 *	5.48 *	5.49 *	5.48 *	6.84 *
33	2.34 *	4.71 *	4.74 *	4.78 *	4.82 *	4.86 *	4.88 *	4.89 *	4.90 *	6.15 *
29	1.99 *	4.01 *	4.06 *	4.11 *	4.15 *	4.18 *	4.20 *	4.23 *	4.27 *	5.39 *
25.5	1.67 *	3.38 *	3.43 *	3.47 *	3.49 *	3.52 *	3.56 *	3.60 *	3.63 *	4.56 *
22.5	1.64 *	3.32 *	3.35 *	3.40 *	3.44 *	3.49 *	3.53 *	3.55 *	3.58 *	4.52 *
19.5	1.33 *	2.70 *	2.73 *	2.76 *	2.80 *	2.83 *	2.87 *	2.91 *	2.94 *	3.72 *
17	1.04 *	2.11 *	2.15 *	2.18 *	2.20 *	2.20 *	2.23 *	2.28 *	2.31 *	2.93 *
15	1.02 *	2.07 *	2.10 *	2.14 *	2.18 *	2.20 *	2.20 *	2.22 *	2.27 *	2.88 *
13	1.01 *	2.05 *	2.08 *	2.10 *	2.13 *	2.19 *	2.20 *	2.20 *	2.23 *	2.84 *
11	0.99 *	2.01 *	2.06 *	2.08 *	2.08 *	2.13 *	2.18 *	2.19 *	2.21 *	2.81 *
9	0.98 *	1.99 *	2.02 *	2.06 *	2.06 *	2.07 *	2.12 *	2.16 *	2.20 *	2.79 *
7	0.97 *	1.97 *	2.00 *	2.03 *	2.04 *	2.04 *	2.08 *	2.12 *	2.17 *	2.77 *
5	0.94 *	1.92 *	1.97 *	2.00 *	2.01 *	2.02 *	2.05 *	2.09 *	2.14 *	2.74 *
3	0.94 *	1.93 *	1.98 *	1.99 *	1.99 *	2.01 *	2.04 *	2.07 *	2.12 *	2.72 *
1	0.47 *	0.96 *	0.98 *	0.99 *	0.99 *	1.01 *	1.02 *	1.03 *	1.05 *	1.35 *
0	0.46 *	0.95 *	0.97 *	0.99 *	1.00 *	1.01 *	1.02 *	1.03 *	1.05 *	1.35 *
-1	0.94 *	1.92 *	1.96 *	2.00 *	2.02 *	2.02 *	2.04 *	2.06 *	2.10 *	2.71 *
-3	0.94 *	1.93 *	1.96 *	1.99 *	2.03 *	2.02 *	2.03 *	2.06 *	2.11 *	2.72 *

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LUMENS TABULATION - (Cont.)

-5	0.95 *	1.94 *	1.97 *	2.00 *	2.04 *	2.03 *	2.04 *	2.07 *	2.13 *	2.75 *
-7	0.96 *	1.96 *	2.00 *	2.03 *	2.05 *	2.04 *	2.07 *	2.11 *	2.16 *	2.77 *
-9	0.96 *	1.96 *	2.00 *	2.05 *	2.06 *	2.07 *	2.12 *	2.15 *	2.19 *	2.78 *
-11	0.98 *	2.00 *	2.04 *	2.07 *	2.08 *	2.13 *	2.17 *	2.18 *	2.20 *	2.79 *
-13	0.99 *	2.02 *	2.05 *	2.08 *	2.12 *	2.16 *	2.17 *	2.18 *	2.21 *	2.82 *
-15	1.01 *	2.04 *	2.08 *	2.12 *	2.15 *	2.16 *	2.17 *	2.20 *	2.24 *	2.85 *
-17	1.28 *	2.59 *	2.63 *	2.67 *	2.70 *	2.72 *	2.75 *	2.80 *	2.85 *	3.60 *
-19.5	1.54 *	3.12 *	3.17 *	3.21 *	3.26 *	3.32 *	3.38 *	3.43 *	3.46 *	4.37 *
-22.5	1.58 *	3.20 *	3.25 *	3.30 *	3.35 *	3.39 *	3.42 *	3.46 *	3.49 *	4.42 *
-25.5	1.87 *	3.78 *	3.84 *	3.90 *	3.96 *	4.00 *	4.03 *	4.05 *	4.08 *	5.16 *
-29	2.12 *	4.29 *	4.35 *	4.41 *	4.46 *	4.53 *	4.58 *	4.63 *	4.66 *	5.86 *
-33	2.34 *	4.74 *	4.82 *	4.88 *	4.94 *	4.99 *	5.04 *	5.09 *	5.13 *	6.46 *
-37.5	2.54 *	5.15 *	5.24 *	5.32 *	5.38 *	5.43 *	5.47 *	5.51 *	5.53 *	6.90 *
-42.5	2.40 *	4.88 *	4.96 *	5.04 *	5.10 *	5.15 *	5.18 *	5.21 *	5.20 *	6.41 *
-47.5	3.09 *	6.29 *	6.40 *	6.50 *	6.58 *	6.64 *	6.68 *	6.68 *	6.64 *	8.18 *
-55	3.09 *	6.28 *	6.40 *	6.50 *	6.58 *	6.64 *	6.68 *	6.68 *	6.65 *	8.24 *
-65	1.95 *	3.97 *	4.06 *	4.12 *	4.18 *	4.23 *	4.26 *	4.28 *	4.28 *	5.34 *
-75	0.97 *	1.97 *	2.02 *	2.06 *	2.09 *	2.12 *	2.15 *	2.17 *	2.18 *	2.74 *
-85	0.25	0.52	0.53	0.55	0.56	0.57	0.58	0.59	0.60	0.76
-90										
Total	70.86	143.47	145.50	147.21	148.54	149.59	150.61	151.37	152.15	190.86

Vert. Angles	**Horizontal Angles**									
	19.5	**22.5**	**25.5**	**29**	**33**	**37.5**	**42.5**	**47.5**	**55**	**65**
90	1.00 *	1.00 *	1.15 *	1.28 *	1.39 *	1.47 *	1.37 *	1.75 *	1.74 *	1.08
85	4.07 *	3.97 *	4.45 *	4.82 *	5.06 *	5.12 *	4.49 *	5.34 *	4.62 *	2.45 *
75	7.69 *	7.45 *	8.27 *	8.84 *	9.11 *	8.96 *	7.57 *	8.68 *	7.11 *	3.24 *
65	11.15 *	10.74 *	11.90 *	12.69 *	13.03 *	12.71 *	10.62 *	11.98 *	9.77 *	4.37 *
55	10.67 *	10.25 *	11.35 *	12.01 *	12.23 *	11.84 *	9.82 *	11.03 *	8.85 *	3.94 *
47.5	8.21 *	7.92 *	8.76 *	9.26 *	9.33 *	8.88 *	7.32 *	8.27 *	6.56 *	2.86 *

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LUMENS TABULATION - (Cont.)

42.5	8.79 *	8.54 *	9.54 *	10.21 *	10.22 *	9.60 *	7.87 *	8.86 *	6.96 *	3.01 *
37.5	8.18 *	8.07 *	9.12 *	9.78 *	9.80 *	9.20 *	7.50 *	8.42 *	6.60 *	2.84 *
33	7.40 *	7.36 *	8.39 *	9.01 *	9.09 *	8.59 *	6.95 *	7.80 *	6.14 *	2.63 *
29	6.50 *	6.48 *	7.40 *	8.02 *	8.18 *	7.76 *	6.28 *	7.01 *	5.56 *	2.38 *
25.5	5.51 *	5.52 *	6.32 *	6.92 *	7.12 *	6.81 *	5.53 *	6.13 *	4.87 *	2.09 *
22.5	5.45 *	5.44 *	6.29 *	6.94 *	7.20 *	6.97 *	5.67 *	6.23 *	4.94 *	2.12 *
19.5	4.49 *	4.49 *	5.20 *	5.77 *	6.04 *	5.89 *	4.80 *	5.27 *	4.16 *	1.79 *
17	3.54 *	3.57 *	4.13 *	4.61 *	4.87 *	4.74 *	3.87 *	4.26 *	3.35 *	1.44 *
15	3.50 *	3.54 *	4.12 *	4.61 *	4.89 *	4.76 *	3.90 *	4.28 *	3.36 *	1.45 *
13	3.46 *	3.50 *	4.10 *	4.60 *	4.88 *	4.78 *	3.92 *	4.30 *	3.37 *	1.45 *
11	3.42 *	3.47 *	4.07 *	4.58 *	4.88 *	4.79 *	3.93 *	4.32 *	3.38 *	1.45 *
9	3.39 *	3.44 *	4.04 *	4.57 *	4.87 *	4.79 *	3.94 *	4.33 *	3.38 *	1.45 *
7	3.37 *	3.42 *	4.02 *	4.55 *	4.86 *	4.79 *	3.94 *	4.32 *	3.37 *	1.45 *
5	3.35 *	3.40 *	4.01 *	4.54 *	4.85 *	4.78 *	3.94 *	4.31 *	3.36 *	1.44 *
3	3.33 *	3.39 *	4.00 *	4.53 *	4.84 *	4.77 *	3.93 *	4.29 *	3.34 *	1.43 *
1	1.66 *	1.69 *	2.00 *	2.26 *	2.42 *	2.38 *	1.96 *	2.13 *	1.66 *	0.71 *
0	1.66 *	1.69 *	1.99 *	2.26 *	2.41 *	2.38 *	1.95 *	2.13 *	1.66 *	0.71 *
-1	3.33 *	3.38 *	3.99 *	4.52 *	4.83 *	4.76 *	3.92 *	4.29 *	3.34 *	1.43 *
-3	3.34 *	3.38 *	3.99 *	4.52 *	4.83 *	4.77 *	3.93 *	4.30 *	3.35 *	1.44 *
-5	3.36 *	3.39 *	4.00 *	4.52 *	4.83 *	4.77 *	3.93 *	4.31 *	3.36 *	1.44 *
-7	3.37 *	3.40 *	4.01 *	4.53 *	4.83 *	4.76 *	3.93 *	4.31 *	3.36 *	1.44 *
-9	3.38 *	3.43 *	4.03 *	4.54 *	4.83 *	4.75 *	3.91 *	4.30 *	3.36 *	1.44 *
-11	3.40 *	3.45 *	4.05 *	4.55 *	4.83 *	4.74 *	3.90 *	4.28 *	3.35 *	1.44 *
-13	3.43 *	3.47 *	4.07 *	4.56 *	4.82 *	4.71 *	3.87 *	4.25 *	3.34 *	1.43 *
-15	3.46 *	3.50 *	4.07 *	4.55 *	4.79 *	4.68 *	3.84 *	4.22 *	3.32 *	1.42 *
-17	4.37 *	4.40 *	5.11 *	5.67 *	5.95 *	5.80 *	4.74 *	5.22 *	4.12 *	1.76 *
-19.5	5.31 *	5.33 *	6.16 *	6.80 *	7.07 *	6.87 *	5.60 *	6.18 *	4.89 *	2.09 *
-22.5	5.36 *	5.38 *	6.19 *	6.77 *	6.99 *	6.73 *	5.46 *	6.07 *	4.80 *	2.05 *

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LUMENS TABULATION - (Cont.)

-25.5	6.27 *	6.30 *	7.22 *	7.83 *	8.02 *	7.62 *	6.18 *	6.93 *	5.46 *	2.32 *
-29	7.09 *	7.11 *	8.16 *	8.80 *	8.89 *	8.37 *	6.80 *	7.67 *	6.03 *	2.56 *
-33	7.78 *	7.75 *	8.84 *	9.49 *	9.50 *	8.89 *	7.27 *	8.22 *	6.46 *	2.76 *
-37.5	8.23 *	8.12 *	9.13 *	9.73 *	9.74 *	9.16 *	7.55 *	8.56 *	6.77 *	2.91 *
-42.5	7.54 *	7.34 *	8.16 *	8.66 *	8.75 *	8.35 *	6.91 *	7.87 *	6.30 *	2.75 *
-47.5	9.58 *	9.25 *	10.27 *	10.96 *	11.24 *	10.89 *	9.09 *	10.29 *	8.32 *	3.72 *
-55	9.71 *	9.39 *	10.43 *	11.18 *	11.49 *	11.21 *	9.46 *	10.80 *	8.93 *	4.07 *
-65	6.34 *	6.17 *	6.89 *	7.39 *	7.60 *	7.50 *	6.43 *	7.51 *	6.34 *	3.03 *
-75	3.28 *	3.23 *	3.66 *	4.01 *	4.25 *	4.36 *	3.87 *	4.68 *	4.21 *	2.35 *
-85	0.93	0.93	1.07	1.20 *	1.31 *	1.39 *	1.29 *	1.67 *	1.68	1.06
-90										
Total	228.68	226.45	258.09	281.44	290.93	281.86	232.92	261.39	209.17	92.73

Vert. Angles	**Horizontal Angles**		
	75	**85**	**90**	**Total**
90	0.48	0.05	19.90
85	1.01	0.11	72.17
75	1.10	0.11	129.98
65	1.28 *	0.11	187.20
55	1.10 *	0.08	177.18
47.5	0.78 *	0.06	133.43
42.5	0.82 *	0.06	141.85
37.5	0.76 *	0.05	133.13
33	0.69 *	0.05	121.17
29	0.62 *	0.04	106.82
25.5	0.54 *	0.03	91.72
22.5	0.54 *	0.03	91.67
19.5	0.45 *	0.03	75.98
17	0.36 *	0.02	60.41
15	0.36 *	0.02	60.07

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LUMENS TABULATION - (Cont.)

13			
	0.37 *	0.02	59.78
11			
	0.37 *	0.02	59.40
9			
	0.36 *	0.02	59.01
7			
	0.36 *	0.02	58.65
5			
	0.36 *	0.02	58.24
3			
	0.36 *	0.02	58.02
1			
	0.18 *	0.01	28.92
0			
	0.18 *	0.01	28.87
-1			
	0.36 *	0.02	57.93
-3			
	0.36 *	0.02	58.02
-5			
	0.36 *	0.02	58.21
-7			
	0.36 *	0.02	58.48
-9			
	0.36 *	0.02	58.70
-11			
	0.36 *	0.02	59.00
-13			
	0.36 *	0.02	59.13
-15			
	0.36 *	0.02	59.26
-17			
	0.45 *	0.03	74.21
-19.5			
	0.53 *	0.03	89.13
-22.5			
	0.53 *	0.03	89.22
-25.5			
	0.61 *	0.04	103.47
-29			
	0.68 *	0.05	116.07
-33			
	0.74 *	0.05	126.19
-37.5			
	0.79 *	0.06	133.21
-42.5			
	0.76 *	0.06	122.97
-47.5			
	1.05 *	0.08	158.43
-55			
	1.23 *	0.11	161.74
-65			
	1.07	0.11	107.07
-75			
	0.99	0.11	59.48

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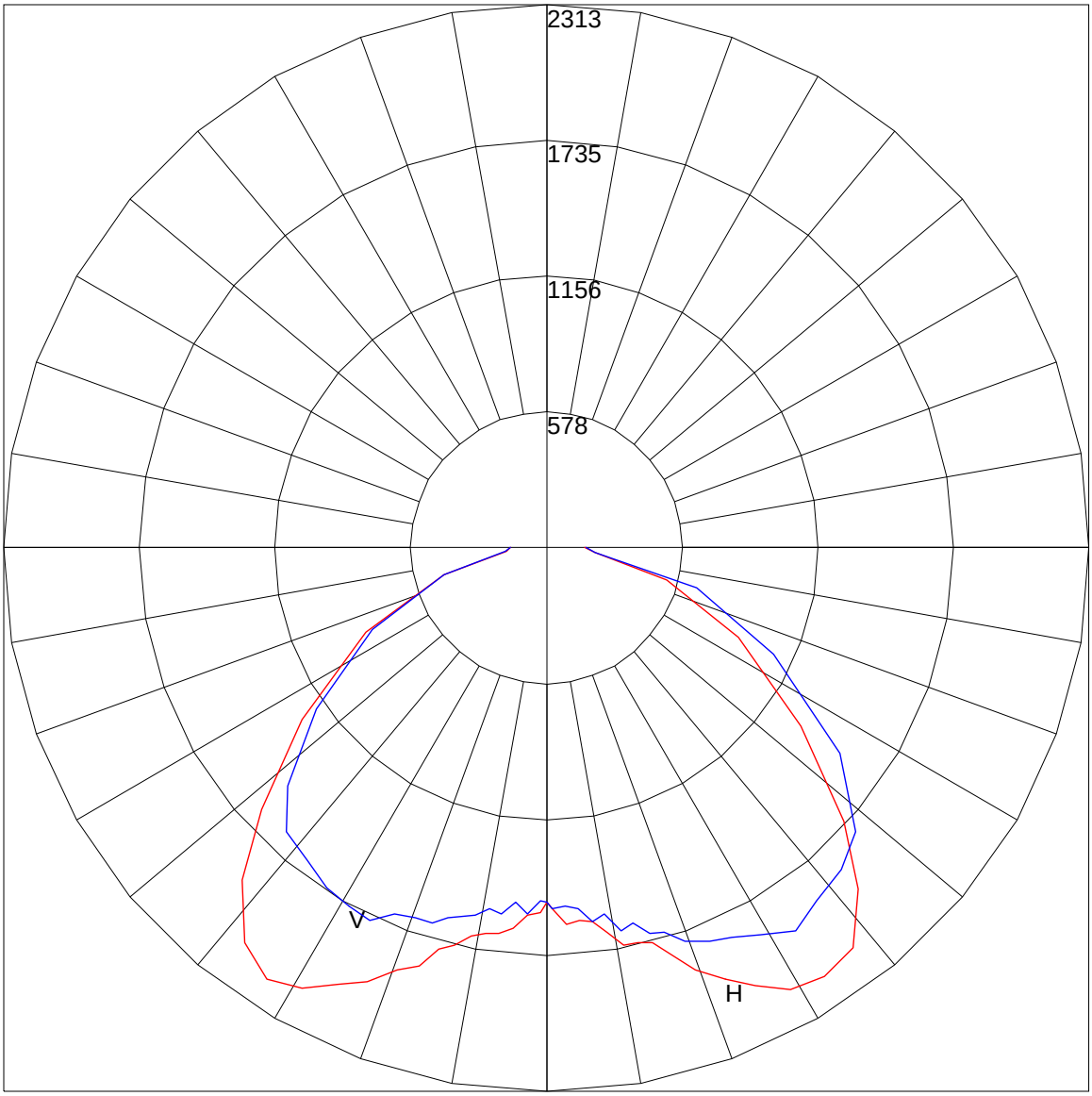
LUMENS TABULATION - (Cont.)

-85			
	0.48	0.05	18.58
-90			
Total	26.25	2.03	3842.1

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IES FLOOD REPORT
PHOTOMETRIC FILENAME : LEDHCL-900.IES

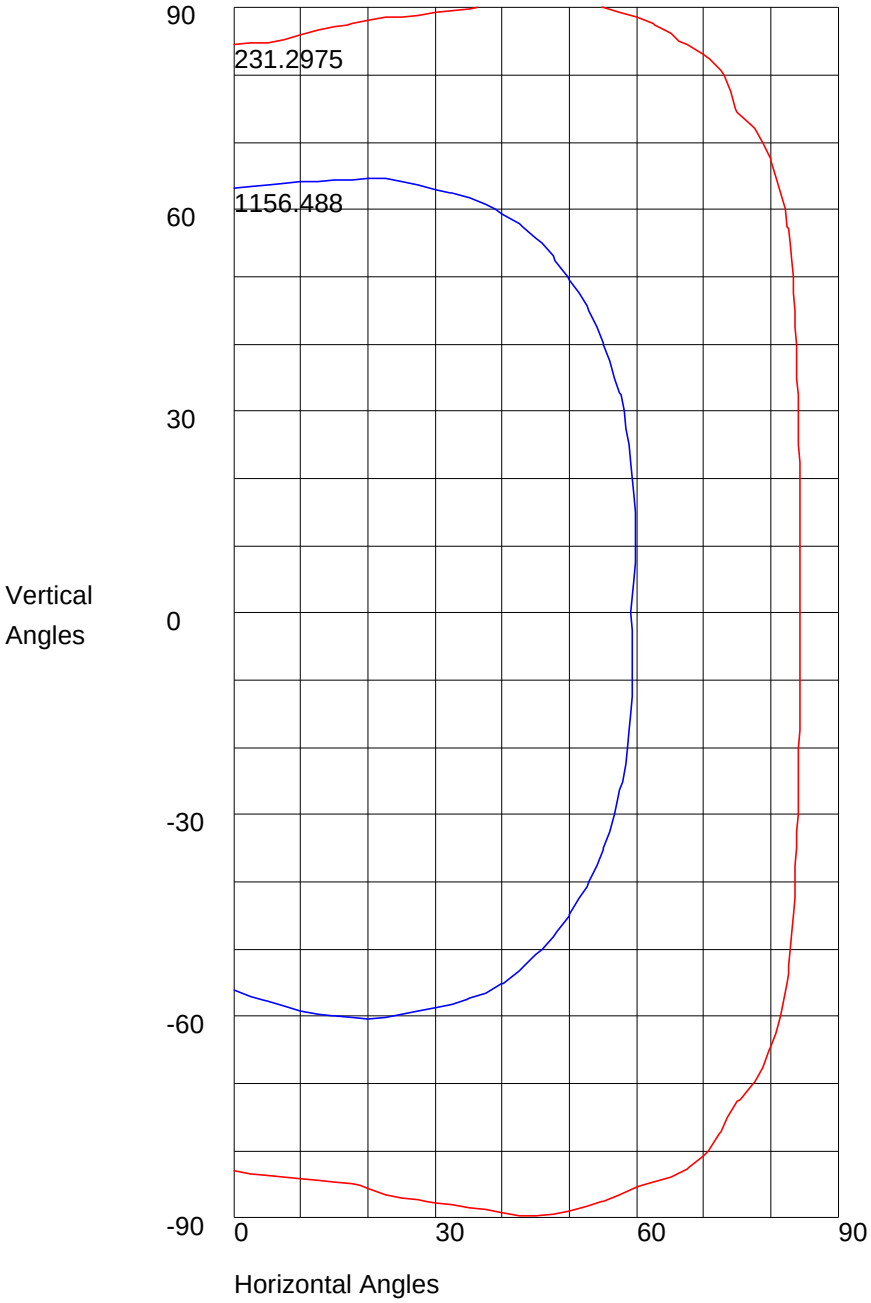
AXIAL CANDELA DISPLAY



Maximum Candela = 2312.975 Located At Horizontal Angle = 29, Vertical Angle = 29
H - Horizontal Axial Candela
V - Vertical Axial Candela

IES FLOOD REPORT
PHOTOMETRIC FILENAME : LEDHCL-900.IES

ISOCANDELA CURVES



Maximum Candela = 2312.975 Located At Horizontal Angle = 29, Vertical Angle = 29
50% Maximum Candela = 1156.4875
10% Maximum Candela = 231.2975