



IES FLOOD REPORT

PHOTOMETRIC FILENAME : TMFL-LED-05L-W-40.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 3529

[TESTLAB] TUV SUD America

[TESTDATE] 9/19/2018 10:43:14 AM

[ISSUEDATE] 01/07/2019

[MANUFAC] LSI INDUSTRIES, INC

[LUMCAT] TMFL-LED-05L-W-40

[OTHER] TEST PROCEDURE: IESNA LM-79-08

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED

[OTHER] SCALED FROM ORIGINAL TEST DATA

[SEARCH_SOURCETYPE] LED

[SEARCH_APPLICATION] Outdoor

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

CHARACTERISTICS

NEMA Type	7 H x 7 V
Maximum Candela	2022.989
Maximum Candela Angle	-1H 0V
Horizontal Beam Angle (50%)	108.7
Vertical Beam Angle (50%)	100.7
Horizontal Field Angle (10%)	146.4
Vertical Field Angle (10%)	138.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	3950
Beam Efficiency	N.A.
Field Lumens	4923
Field Efficiency	N.A.
Spill Lumens	113
Luminaire Lumens	5036
Total Efficiency	N.A.
Total Luminaire Watts	43.19
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	.002	90	0
85	1.68	85	0
75	128.762	75	0
65	539.505	65	2.803
55	986.736	55	370.48
47.5	1271.115	47.5	858.966
42.5	1457.564	42.5	1183.324
37.5	1593.814	37.5	1450.046
33	1690.704	33	1621.48
29	1766.835	29	1723.689
25.5	1826.227	25.5	1790.083
22.5	1869.45	22.5	1838.942
19.5	1906.26	19.5	1880.692
17	1934.016	17	1910.858
15	1955.217	15	1930.983
13	1972.638	13	1949.666
11	1987.405	11	1966.601
9	1999.103	9	1980.921
7	2008.108	7	1992.153
5	2015.596	5	2000.216
3	2021.675	3	2007.606
1	2022.989	1	2017.492
0	2022.851	0	2022.851
-1	2022.989	-1	2021.171
-3	2021.675	-3	2018.209
-5	2015.596	-5	2016.436
-7	2008.108	-7	2011.498
-9	1999.103	-9	2004.957
-11	1987.405	-11	1996.968
-13	1972.638	-13	1986.875
-15	1955.217	-15	1973.219
-17	1934.016	-17	1957.96
-19.5	1906.26	-19.5	1935.105
-22.5	1869.45	-22.5	1903.945
-25.5	1826.227	-25.5	1866.517
-29	1766.835	-29	1815.28
-33	1690.704	-33	1748.295
-37.5	1593.814	-37.5	1664.787
-42.5	1457.564	-42.5	1521.12
-47.5	1271.115	-47.5	1303.596
-55	986.736	-55	1025.976
-65	539.505	-65	710.432
-75	128.762	-75	303.018
-85	1.68	-85	19.823
-90	.002	-90	.038

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CANDELA TABULATION

Maximum Candela = 2022.989

Beam Edge = 1011.4945 Cd (50% of Max.)

Field Edge = 202.2989 Cd (10% of Max.)

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>-90.0</u>	<u>-85.0</u>	<u>-75.0</u>	<u>-65.0</u>	<u>-55.0</u>	<u>-47.5</u>	<u>-42.5</u>	<u>-37.5</u>	<u>-33.0</u>	<u>-29.0</u>
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.056	0.072	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.169	0.388	0.057	0.297	0.235	0.000	0.000	0.004	0.044
65.0	0.001	0.280	1.910	2.137	14.842	19.516	12.718	19.573	26.830	27.577
55.0	0.001	0.491	7.339	31.723	109.411	169.028	199.622	253.935 *	291.683 *	314.575 *
47.5	0.001	0.717	14.709	89.359	260.499 *	396.809 *	479.078 *	599.564 *	672.386 *	735.432 *
42.5	0.001	0.862	24.722	143.320	380.180 *	561.452 *	699.267 *	826.312 *	943.613 *	1022.664 *
37.5	0.001	1.000	34.996	205.785 *	514.790 *	747.325 *	887.868 *	1043.222 *	1167.107 *	1247.938 *
33.0	0.001	1.117	44.731	264.266 *	617.987 *	878.556 *	1038.239 *	1192.022 *	1317.139 *	1406.302 *
29.0	0.001	1.215	58.453	314.655 *	697.704 *	984.706 *	1150.011 *	1297.193 *	1416.780 *	1502.460 *
25.5	0.002	1.296	69.953	358.569 *	762.258 *	1060.550 *	1224.978 *	1373.181 *	1485.042 *	1563.532 *
22.5	0.002	1.360	79.353	388.180 *	811.523 *	1107.854 *	1280.538 *	1428.886 *	1533.360 *	1609.527 *
19.5	0.002	1.420	88.259	418.465 *	853.868 *	1149.334 *	1321.265 *	1472.716 *	1573.836 *	1648.935 *
17.0	0.002	1.467	95.248	441.438 *	882.995 *	1178.892 *	1351.452 *	1501.960 *	1602.418 *	1675.415 *
15.0	0.002	1.502	100.526	458.295 *	903.686 *	1199.078 *	1373.414 *	1522.354 *	1622.594 *	1694.433 *
13.0	0.002	1.534	105.498	473.773 *	922.058 *	1216.776 *	1393.104 *	1538.659 *	1640.019 *	1711.148 *
11.0	0.002	1.609	110.143	487.850 *	938.125 *	1231.969 *	1410.328 *	1553.031 *	1653.573 *	1725.659 *
9.0	0.002	1.621	114.436	500.507 *	951.909 *	1244.651 *	1425.000 *	1565.375 *	1664.657 *	1738.191 *
7.0	0.002	1.634	118.353	511.726 *	963.441 *	1254.828 *	1437.038 *	1575.607 *	1673.942 *	1748.367 *
5.0	0.002	1.647	123.322	521.495 *	972.762 *	1262.520 *	1446.376 *	1583.651 *	1681.312 *	1756.303 *
3.0	0.002	1.660	125.495	531.467 *	982.219 *	1270.407 *	1456.138 *	1589.445 *	1686.663 *	1762.170 *
1.0	0.002	1.673	127.672	536.824 *	985.229 *	1270.879 *	1457.088 *	1593.232 *	1689.901 *	1765.848 *
0.0	0.002	1.680	128.762	539.505 *	986.736 *	1271.115 *	1457.564 *	1593.814 *	1690.704 *	1766.835 *
-1.0	0.002	1.680	129.684	541.771 *	988.823 *	1273.426 *	1459.174 *	1595.083 *	1691.650 *	1767.596 *
-3.0	0.002	1.793	131.526	546.300 *	992.993 *	1278.041 *	1462.387 *	1595.011 *	1691.896 *	1767.436 *
-5.0	0.002	1.869	133.364	546.158 *	990.983 *	1275.291 *	1457.166 *	1592.969 *	1689.990 *	1765.151 *
-7.0	0.002	1.944	132.226	546.154 *	989.283 *	1272.752 *	1452.620 *	1588.737 *	1685.999 *	1760.900 *
-9.0	0.002	2.019	132.099	544.601 *	985.697 *	1267.771 *	1445.835 *	1582.398 *	1680.007 *	1754.507 *
-11.0	0.002	2.093	131.469	541.484 *	980.272 *	1260.340 *	1436.994 *	1574.048 *	1672.110 *	1745.839 *
-13.0	0.002	2.084	130.332	536.795 *	973.056 *	1250.461 *	1426.278 *	1563.787 *	1662.065 *	1735.317 *
-15.0	0.002	2.127	128.687	530.526 *	964.100 *	1238.149 *	1413.865 *	1551.722 *	1649.421 *	1722.498 *
-17.0	0.002	2.163	126.531	522.677 *	953.460 *	1223.429 *	1399.210 *	1536.675 *	1634.656 *	1706.877 *
-19.5	0.002	2.198	123.119	510.646 *	937.878 *	1202.753 *	1375.848 *	1515.453 *	1613.285 *	1684.923 *
-22.5	0.002	2.226	117.975	492.970 *	915.347 *	1174.689 *	1343.575 *	1485.350 *	1582.495 *	1654.253 *
-25.5	0.002	2.236	111.693	475.447 *	889.631 *	1142.669 *	1304.202 *	1448.935 *	1547.486 *	1619.607 *
-29.0	0.001	2.225	102.941	445.421 *	856.449 *	1098.929 *	1251.770 *	1398.338 *	1500.598 *	1575.712 *
-33.0	0.001	2.180	91.095	410.032 *	807.939 *	1036.539 *	1185.893 *	1329.452 *	1437.305 *	1511.115 *
-37.5	0.001	2.088	81.133	365.119 *	741.239 *	953.282 *	1093.556 *	1235.830 *	1348.926 *	1419.063 *
-42.5	0.001	1.932	68.126	310.217 *	647.956 *	841.869 *	965.015 *	1101.591 *	1214.003 *	1276.167 *
-47.5	0.001	1.720	52.790	253.561 *	543.122 *	727.911 *	825.573 *	936.826 *	1033.125 *	1100.111 *
-55.0	0.001	1.302	35.338	172.799	393.538 *	551.636 *	638.223 *	711.816 *	782.613 *	839.179 *
-65.0	0.001	0.836	15.717	83.715	205.709 *	319.871 *	390.842 *	452.762 *	503.890 *	545.676 *
-75.0	0.000	0.531	5.307	23.573	61.471	101.473	132.233	156.850	178.343	200.544
-85.0	0.000	0.182	1.194	2.967	5.958	9.066	10.947	12.376	13.477	14.313
-90.0	0.000	0.000	0.002	0.006	0.010	0.014	0.017	0.020	0.022	0.024

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.039	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	22.314	15.898	10.712	11.735	11.973	11.750	11.117	10.129	8.841	7.310
55.0	345.468 *	362.755 *	369.233 *	374.865 *	381.374 *	386.591 *	390.250 *	392.084 *	391.821 *	389.188 *
47.5	790.248 *	816.768 *	831.550 *	837.181 *	850.536 *	862.023 *	871.312 *	877.873 *	881.164 *	880.631 *
42.5	1062.671 *	1096.203 *	1126.307 *	1147.927 *	1159.867 *	1171.789 *	1182.162 *	1190.380 *	1195.809 *	1197.793 *
37.5	1299.538 *	1333.734 *	1368.043 *	1397.847 *	1421.612 *	1432.973 *	1441.641 *	1449.463 *	1455.580 *	1459.076 *
33.0	1455.651 *	1496.027 *	1533.240 *	1559.655 *	1579.087 *	1597.688 *	1608.959 *	1616.619 *	1622.279 *	1625.603 *
29.0	1557.333 *	1595.494 *	1631.372 *	1656.887 *	1676.054 *	1691.692 *	1705.183 *	1714.736 *	1721.435 *	1725.063 *
25.5	1620.232 *	1659.554 *	1694.701 *	1721.404 *	1739.861 *	1756.028 *	1770.422 *	1780.258 *	1786.605 *	1790.682 *
22.5	1663.966 *	1704.243 *	1740.627 *	1767.408 *	1786.065 *	1802.483 *	1817.034 *	1827.749 *	1833.992 *	1838.287 *
19.5	1702.058 *	1743.727 *	1780.306 *	1806.614 *	1825.403 *	1841.376 *	1855.322 *	1866.457 *	1874.634 *	1879.651 *
17.0	1730.368 *	1772.239 *	1808.467 *	1834.571 *	1853.832 *	1869.859 *	1884.354 *	1895.678 *	1904.745 *	1910.134 *
15.0	1749.944 *	1791.894 *	1828.430 *	1855.558 *	1873.736 *	1890.888 *	1904.970 *	1917.139 *	1926.166 *	1931.983 *
13.0	1767.198 *	1809.002 *	1846.150 *	1873.327 *	1892.799 *	1909.218 *	1923.579 *	1935.337 *	1945.330 *	1951.582 *
11.0	1782.561 *	1824.117 *	1862.114 *	1889.886 *	1908.647 *	1925.335 *	1939.004 *	1951.085 *	1960.971 *	1967.999 *
9.0	1795.147 *	1837.077 *	1875.363 *	1903.094 *	1922.577 *	1938.453 *	1952.688 *	1964.900 *	1974.307 *	1981.525 *
7.0	1805.675 *	1848.356 *	1886.665 *	1914.034 *	1932.927 *	1949.742 *	1964.656 *	1976.342 *	1985.914 *	1991.997 *
5.0	1814.239 *	1857.363 *	1895.604 *	1922.833 *	1941.759 *	1958.876 *	1974.042 *	1985.755 *	1994.156 *	2000.556 *
3.0	1820.703 *	1864.005 *	1901.603 *	1929.040 *	1948.866 *	1966.290 *	1980.902 *	1992.392 *	2000.760 *	2006.707 *
1.0	1824.956 *	1868.536 *	1905.260 *	1932.926 *	1954.079 *	1971.180 *	1985.819 *	1997.359 *	2006.083 *	2012.998 *
0.0	1826.227 *	1869.450 *	1906.260 *	1934.016 *	1955.217 *	1972.638 *	1987.405 *	1999.103 *	2008.108 *	2015.596 *
-1.0	1826.866 *	1870.245 *	1906.745 *	1934.691 *	1956.171 *	1972.945 *	1987.220 *	1998.424 *	2006.945 *	2014.079 *
-3.0	1826.400 *	1869.220 *	1906.022 *	1934.264 *	1955.036 *	1971.803 *	1985.357 *	1995.791 *	2003.413 *	2010.252 *
-5.0	1823.620 *	1866.300 *	1902.963 *	1931.335 *	1951.723 *	1968.733 *	1982.088 *	1992.012 *	1999.878 *	2006.816 *
-7.0	1818.577 *	1861.362 *	1897.563 *	1925.586 *	1946.108 *	1963.620 *	1976.507 *	1986.448 *	1994.486 *	2001.381 *
-9.0	1811.354 *	1854.598 *	1890.620 *	1918.353 *	1938.889 *	1955.510 *	1968.911 *	1979.579 *	1987.783 *	1994.735 *
-11.0	1802.010 *	1846.392 *	1882.741 *	1909.795 *	1929.201 *	1946.119 *	1959.711 *	1970.485 *	1979.386 *	1986.240 *
-13.0	1790.944 *	1834.518 *	1871.968 *	1899.011 *	1918.607 *	1935.119 *	1948.599 *	1959.532 *	1968.662 *	1975.424 *
-15.0	1777.930 *	1820.820 *	1858.992 *	1886.973 *	1905.532 *	1922.029 *	1935.117 *	1946.749 *	1955.396 *	1962.649 *
-17.0	1762.503 *	1805.118 *	1843.168 *	1870.569 *	1890.328 *	1905.548 *	1919.772 *	1930.857 *	1940.093 *	1947.851 *
-19.5	1739.548 *	1781.869 *	1820.361 *	1846.751 *	1865.146 *	1881.504 *	1896.041 *	1907.465 *	1917.319 *	1925.273 *
-22.5	1707.985 *	1749.115 *	1786.178 *	1812.983 *	1831.127 *	1846.971 *	1861.048 *	1872.743 *	1883.660 *	1892.284 *
-25.5	1672.465 *	1712.269 *	1748.053 *	1774.249 *	1792.394 *	1808.227 *	1821.965 *	1834.000 *	1844.734 *	1853.498 *
-29.0	1625.897 *	1664.714 *	1699.373 *	1724.740 *	1743.005 *	1758.514 *	1772.165 *	1784.324 *	1794.524 *	1802.762 *
-33.0	1561.664 *	1600.955 *	1636.522 *	1661.469 *	1678.997 *	1694.882 *	1708.234 *	1719.610 *	1729.230 *	1737.032 *
-37.5	1469.082 *	1508.166 *	1543.169 *	1569.779 *	1589.758 *	1605.963 *	1620.551 *	1633.250 *	1643.968 *	1652.621 *
-42.5	1321.946 *	1359.807 *	1396.322 *	1426.794 *	1445.963 *	1462.653 *	1477.727 *	1490.949 *	1502.080 *	1510.879 *
-47.5	1143.180 *	1171.853 *	1195.441 *	1212.277 *	1234.029 *	1252.914 *	1268.827 *	1281.761 *	1291.724 *	1298.734 *
-55.0	883.873 *	913.752 *	937.056 *	956.304 *	970.820 *	983.554 *	994.541 *	1003.825 *	1011.454 *	1017.483 *
-65.0	582.840 *	607.263 *	631.430 *	647.993 *	659.882 *	670.557 *	680.014 *	688.256 *	695.284 *	701.105 *
-75.0	217.195 *	229.429 *	243.024 *	254.149 *	262.392 *	270.023 *	277.016 *	283.348 *	288.992 *	296.324 *
-85.0	14.938	15.398	16.122	16.704	17.149	17.575	18.343	18.612	18.881	19.150
-90.0	0.026	0.028	0.030	0.031	0.032	0.033	0.034	0.034	0.035	0.036

Vert. Angles	Horizontal Angles									
	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	5.668	3.758	2.803	3.758	5.668	7.310	8.841	10.129	11.117	11.750

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CANDELA TABULATION - (Cont.)

55.0	387.470	* 376.146	* 370.480	* 376.145	* 387.470	* 389.189	* 391.821	* 392.084	* 390.250	* 386.591	*
47.5	881.843	* 866.597	* 858.966	* 866.597	* 881.843	* 880.631	* 881.164	* 877.873	* 871.312	* 862.023	*
42.5	1201.747	*1189.471	*1183.324	*1189.471	*1201.746	*1197.793	*1195.809	*1190.380	*1182.162	*1171.789	*
37.5	1458.995	*1455.095	*1450.046	*1455.095	*1458.995	*1459.076	*1455.580	*1449.464	*1441.641	*1432.973	*
33.0	1626.251	*1623.889	*1621.480	*1623.889	*1626.251	*1625.603	*1622.279	*1616.619	*1608.959	*1597.688	*
29.0	1726.358	*1725.208	*1723.689	*1725.208	*1726.358	*1725.063	*1721.435	*1714.736	*1705.183	*1691.692	*
25.5	1792.347	*1791.486	*1790.083	*1791.486	*1792.347	*1790.682	*1786.605	*1780.258	*1770.422	*1756.028	*
22.5	1840.388	*1840.402	*1838.942	*1840.402	*1840.388	*1838.287	*1833.992	*1827.760	*1817.034	*1802.483	*
19.5	1881.935	*1881.717	*1880.692	*1881.717	*1881.935	*1879.651	*1874.634	*1866.457	*1855.322	*1841.376	*
17.0	1912.517	*1912.026	*1910.858	*1912.026	*1912.517	*1910.134	*1904.745	*1895.678	*1884.354	*1869.859	*
15.0	1933.823	*1932.975	*1930.983	*1932.975	*1933.823	*1931.983	*1926.166	*1917.139	*1904.970	*1890.888	*
13.0	1952.801	*1951.405	*1949.666	*1951.405	*1952.801	*1951.582	*1945.330	*1935.337	*1923.579	*1909.218	*
11.0	1969.749	*1968.339	*1966.601	*1968.339	*1969.749	*1967.999	*1960.971	*1951.085	*1939.004	*1925.335	*
9.0	1984.416	*1982.736	*1980.921	*1982.736	*1984.416	*1981.525	*1974.307	*1964.900	*1952.688	*1938.453	*
7.0	1996.295	*1994.292	*1992.153	*1994.292	*1996.295	*1991.997	*1985.914	*1976.342	*1964.656	*1949.742	*
5.0	2004.251	*2003.521	*2000.216	*2003.521	*2004.251	*2000.556	*1994.156	*1985.755	*1974.042	*1958.876	*
3.0	2011.361	*2012.324	*2007.606	*2012.324	*2011.364	*2006.707	*2000.760	*1992.392	*1980.902	*1966.290	*
1.0	2017.246	*2019.657	*2017.492	*2019.657	*2017.246	*2012.998	*2006.083	*1997.359	*1985.819	*1971.180	*
0.0	2021.675	*2022.989	*2022.851	*2022.989	*2021.675	*2015.596	*2008.108	*1999.103	*1987.405	*1972.638	*
-1.0	2018.718	*2021.603	*2021.171	*2021.603	*2018.718	*2014.079	*2006.945	*1998.424	*1987.220	*1972.945	*
-3.0	2016.124	*2018.670	*2018.209	*2018.670	*2016.126	*2010.252	*2003.413	*1995.791	*1985.357	*1971.803	*
-5.0	2012.045	*2015.789	*2016.436	*2015.789	*2012.045	*2006.816	*1999.878	*1992.012	*1982.088	*1968.733	*
-7.0	2006.780	*2010.357	*2011.498	*2010.357	*2006.780	*2001.381	*1994.486	*1986.448	*1976.507	*1963.620	*
-9.0	1999.958	*2003.695	*2004.957	*2003.695	*1999.958	*1994.735	*1987.783	*1979.579	*1968.911	*1955.510	*
-11.0	1991.653	*1995.615	*1996.968	*1995.615	*1991.653	*1986.240	*1979.386	*1970.485	*1959.711	*1946.119	*
-13.0	1981.265	*1985.478	*1986.875	*1985.478	*1981.265	*1975.424	*1968.662	*1959.532	*1948.599	*1935.119	*
-15.0	1968.309	*1972.325	*1973.219	*1972.325	*1968.309	*1962.649	*1955.396	*1946.749	*1935.117	*1922.029	*
-17.0	1953.364	*1956.861	*1957.960	*1956.861	*1953.364	*1947.851	*1940.093	*1930.857	*1919.772	*1905.548	*
-19.5	1930.650	*1934.080	*1935.105	*1934.080	*1930.650	*1925.273	*1917.319	*1907.465	*1896.041	*1881.504	*
-22.5	1898.616	*1902.969	*1903.945	*1902.969	*1898.616	*1892.284	*1883.660	*1872.751	*1861.048	*1846.971	*
-25.5	1860.237	*1864.933	*1866.517	*1864.933	*1860.237	*1853.498	*1844.734	*1834.000	*1821.965	*1808.227	*
-29.0	1809.199	*1813.742	*1815.280	*1813.742	*1809.199	*1802.762	*1794.524	*1784.324	*1772.165	*1758.514	*
-33.0	1742.966	*1746.998	*1748.295	*1746.998	*1742.966	*1737.032	*1729.230	*1719.610	*1708.234	*1694.882	*
-37.5	1659.139	*1663.744	*1664.787	*1663.744	*1659.139	*1652.621	*1643.968	*1633.250	*1620.551	*1605.963	*
-42.5	1520.510	*1520.916	*1521.120	*1520.916	*1520.510	*1510.879	*1502.080	*1490.949	*1477.727	*1462.653	*
-47.5	1305.986	*1304.393	*1303.596	*1304.393	*1305.986	*1298.734	*1291.724	*1281.761	*1268.827	*1252.914	*
-55.0	1023.549	*1025.167	*1025.976	*1025.167	*1023.549	*1017.483	*1011.454	*1003.825	*994.541	*983.554	*
-65.0	707.050	* 709.305	* 710.432	* 709.305	* 707.050	* 701.105	* 695.284	* 688.256	* 680.014	* 670.557	*
-75.0	299.001	* 301.679	* 303.018	* 301.679	* 299.001	* 296.324	* 288.992	* 283.348	* 277.016	* 270.023	*
-85.0	19.419	19.688	19.823	19.688	19.419	19.150	18.881	18.612	18.343	17.575	
-90.0	0.037	0.038	0.038	0.038	0.037	0.036	0.035	0.034	0.034	0.033	

**Vert.
Angles**

Horizontal Angles

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.010	0.039	0.044	0.004	0.000	0.000	0.235
65.0	11.973	11.735	10.712	15.898	22.314	27.577	26.830	19.573	12.718	19.516
55.0	381.374	* 374.865	* 369.233	* 362.755	* 345.468	* 314.575	* 291.683	* 253.934	* 199.622	169.028
47.5	850.536	* 837.436	* 831.550	* 816.768	* 790.248	* 735.432	* 672.386	* 599.564	* 479.078	* 396.809
42.5	1159.867	*1147.927	*1126.307	*1096.203	*1062.671	*1022.664	*943.613	* 826.312	* 699.267	* 561.453
37.5	1421.612	*1397.847	*1368.043	*1333.734	*1299.538	*1247.938	*1167.107	*1043.222	*887.868	* 747.325
33.0	1579.087	*1559.655	*1533.240	*1496.027	*1455.651	*1406.302	*1317.139	*1192.022	*1038.239	*878.556
29.0	1676.054	*1656.887	*1631.372	*1595.494	*1557.333	*1502.460	*1416.780	*1297.193	*1150.011	*984.706
25.5	1739.861	*1721.404	*1694.701	*1659.554	*1620.232	*1563.532	*1485.042	*1373.181	*1224.978	*1060.550

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

22.5	1786.065	*1767.408	*1740.627	*1704.243	*1663.966	*1609.527	*1533.360	*1428.886	*1280.538	*1107.854 *
19.5	1825.403	*1806.614	*1780.306	*1743.727	*1702.058	*1648.935	*1573.836	*1472.716	*1321.265	*1149.334 *
17.0	1853.832	*1834.570	*1808.467	*1772.239	*1730.368	*1675.415	*1602.418	*1501.960	*1351.452	*1178.892 *
15.0	1873.736	*1855.558	*1828.430	*1791.894	*1749.944	*1694.433	*1622.594	*1522.354	*1373.414	*1199.078 *
13.0	1892.799	*1873.327	*1846.150	*1809.002	*1767.198	*1711.148	*1640.019	*1538.659	*1393.104	*1216.776 *
11.0	1908.647	*1889.886	*1862.114	*1824.117	*1782.561	*1725.659	*1653.573	*1553.031	*1410.328	*1231.969 *
9.0	1922.577	*1903.094	*1875.363	*1837.077	*1795.147	*1738.191	*1664.657	*1565.375	*1425.000	*1244.651 *
7.0	1932.927	*1914.034	*1886.665	*1848.356	*1805.675	*1748.367	*1673.942	*1575.607	*1437.038	*1254.828 *
5.0	1941.759	*1922.833	*1895.604	*1857.363	*1814.239	*1756.303	*1681.312	*1583.651	*1446.376	*1262.520 *
3.0	1948.866	*1929.040	*1901.603	*1864.005	*1820.703	*1762.170	*1686.663	*1589.445	*1456.138	*1270.407 *
1.0	1954.079	*1932.926	*1905.260	*1868.536	*1824.956	*1765.848	*1689.901	*1593.232	*1457.088	*1270.879 *
0.0	1955.217	*1934.016	*1906.260	*1869.450	*1826.227	*1766.835	*1690.704	*1593.814	*1457.564	*1271.115 *
-1.0	1956.171	*1934.691	*1906.745	*1870.245	*1826.866	*1767.596	*1691.650	*1595.083	*1459.174	*1273.426 *
-3.0	1955.036	*1934.264	*1906.022	*1869.220	*1826.400	*1767.436	*1691.896	*1595.011	*1462.387	*1278.041 *
-5.0	1951.723	*1931.335	*1902.963	*1866.300	*1823.620	*1765.151	*1689.990	*1592.969	*1457.166	*1275.291 *
-7.0	1946.108	*1925.586	*1897.563	*1861.362	*1818.577	*1760.900	*1685.999	*1588.737	*1452.620	*1272.752 *
-9.0	1938.889	*1918.353	*1890.620	*1854.598	*1811.354	*1754.507	*1680.007	*1582.398	*1445.835	*1267.771 *
-11.0	1929.201	*1909.795	*1882.741	*1846.392	*1802.010	*1745.839	*1672.110	*1574.048	*1436.994	*1260.340 *
-13.0	1918.607	*1899.011	*1871.968	*1834.518	*1790.944	*1735.317	*1662.065	*1563.787	*1426.278	*1250.461 *
-15.0	1905.532	*1886.973	*1858.992	*1820.820	*1777.930	*1722.498	*1649.421	*1551.722	*1413.865	*1238.148 *
-17.0	1890.328	*1870.569	*1843.168	*1805.118	*1762.503	*1706.877	*1634.656	*1536.675	*1399.210	*1223.429 *
-19.5	1865.146	*1846.751	*1820.361	*1781.869	*1739.548	*1684.923	*1613.285	*1515.453	*1375.848	*1202.753 *
-22.5	1831.127	*1812.983	*1786.178	*1749.115	*1707.985	*1654.253	*1582.495	*1485.350	*1343.575	*1174.689 *
-25.5	1792.394	*1774.249	*1748.053	*1712.269	*1672.465	*1619.607	*1547.486	*1448.935	*1304.202	*1142.669 *
-29.0	1743.005	*1724.740	*1699.373	*1664.714	*1625.897	*1575.712	*1500.598	*1398.338	*1251.770	*1098.929 *
-33.0	1678.997	*1661.469	*1636.522	*1600.955	*1561.664	*1511.115	*1437.305	*1329.452	*1185.893	*1036.539 *
-37.5	1589.758	*1569.779	*1543.169	*1508.166	*1469.082	*1419.063	*1348.926	*1235.830	*1093.556	*953.282 *
-42.5	1445.963	*1426.794	*1396.322	*1359.807	*1321.946	*1276.167	*1214.003	*1101.591	*965.015 *	841.869 *
-47.5	1234.029	*1212.187	*1195.441	*1171.853	*1143.180	*1100.111	*1033.125	*936.826 *	825.573 *	727.911 *
-55.0	970.820 *	956.304 *	937.056 *	913.752 *	883.873 *	839.179 *	782.613 *	711.816 *	638.223 *	551.636 *
-65.0	659.882 *	647.993 *	631.430 *	607.263 *	582.840 *	545.676 *	503.890 *	452.762 *	390.842 *	319.871 *
-75.0	262.392 *	254.149 *	243.024 *	229.429 *	217.195 *	200.544	178.343	156.850	132.233	101.473
-85.0	17.149	16.704	16.122	15.399	14.938	14.313	13.477	12.376	10.947	9.066
-90.0	0.032	0.031	0.030	0.028	0.026	0.024	0.022	0.020	0.017	0.014

Vert. Angles	Horizontal Angles				
	55.0	65.0	75.0	85.0	90.0
90.0	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.072	0.056	0.000
75.0	0.297	0.057	0.388	0.169	0.000
65.0	14.842	2.137	1.910	0.280	0.001
55.0	109.411	31.723	7.339	0.491	0.001
47.5	260.499 *	89.359	14.709	0.717	0.001
42.5	380.180 *	143.320	24.722	0.862	0.001
37.5	514.790 *	205.785 *	34.996	1.000	0.001
33.0	617.987 *	264.266 *	44.731	1.117	0.001
29.0	697.704 *	314.655 *	58.453	1.215	0.001
25.5	762.258 *	358.569 *	69.953	1.296	0.002
22.5	811.523 *	388.180 *	79.353	1.360	0.002
19.5	853.868 *	418.465 *	88.259	1.420	0.002
17.0	882.995 *	441.438 *	95.248	1.467	0.002
15.0	903.686 *	458.295 *	100.526	1.502	0.002
13.0	922.058 *	473.773 *	105.498	1.534	0.002
11.0	938.125 *	487.850 *	110.143	1.609	0.002
9.0	951.909 *	500.507 *	114.436	1.621	0.002

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TMFL-LED-05L-W-40.IES

CANDELA TABULATION - (Cont.)

7.0	963.441	*	511.726	*	118.353	1.634	0.002
5.0	972.762	*	521.495	*	123.322	1.647	0.002
3.0	982.219	*	531.467	*	125.495	1.660	0.002
1.0	985.229	*	536.824	*	127.672	1.680	0.002
0.0	986.736	*	539.505	*	128.762	1.680	0.002
-1.0	988.823	*	541.771	*	129.684	1.718	0.002
-3.0	992.993	*	546.300	*	131.526	1.793	0.002
-5.0	990.983	*	546.158	*	133.364	1.869	0.002
-7.0	989.283	*	546.154	*	132.226	1.944	0.002
-9.0	985.697	*	544.601	*	132.099	2.019	0.002
-11.0	980.272	*	541.484	*	131.469	2.093	0.002
-13.0	973.056	*	536.795	*	130.332	2.084	0.002
-15.0	964.100	*	530.526	*	128.687	2.127	0.002
-17.0	953.460	*	522.677	*	126.531	2.163	0.002
-19.5	937.878	*	510.646	*	123.119	2.198	0.002
-22.5	915.347	*	492.970	*	117.975	2.226	0.002
-25.5	889.631	*	475.447	*	111.693	2.236	0.002
-29.0	856.449	*	445.421	*	102.941	2.225	0.001
-33.0	807.939	*	410.032	*	91.095	2.180	0.001
-37.5	741.239	*	365.119	*	81.133	2.088	0.001
-42.5	647.956	*	310.217	*	68.126	1.932	0.001
-47.5	543.122	*	253.561	*	52.790	1.720	0.001
-55.0	393.538	*	172.799	*	35.338	1.302	0.001
-65.0	205.709	*	83.715	*	15.717	0.836	0.001
-75.0	61.471		23.573		5.307	0.531	0.000
-85.0	5.958		2.967		1.194	0.182	0.000
-90.0	0.010		0.006		0.002	0.000	0.000

IES FLOOD REPORT
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LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 2517.83

Total Field Lumens (one side of beam only) = 2461.42

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>1</u>	<u>3</u>	<u>5</u>	<u>7</u>	<u>9</u>	<u>11</u>	<u>13</u>	<u>15</u>	<u>17</u>
90										
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.01	0.02	0.02	0.03	0.03	0.03	0.04	0.03	0.04
55	0.57	1.18	1.20	1.21	1.21	1.21	1.19	1.17	1.14	1.39
47.5	1.41 *	2.87 *	2.89 *	2.89 *	2.88 *	2.85 *	2.80 *	2.75 *	2.68 *	3.27 *
42.5	1.56 *	3.15 *	3.16 *	3.15 *	3.13 *	3.09 *	3.04 *	2.99 *	2.92 *	3.56 *
37.5	2.01 *	4.04 *	4.04 *	4.02 *	3.99 *	3.95 *	3.89 *	3.83 *	3.75 *	4.56 *
33	2.11 *	4.22 *	4.22 *	4.20 *	4.17 *	4.13 *	4.08 *	4.01 *	3.93 *	4.77 *
29	2.04 *	4.08 *	4.07 *	4.06 *	4.03 *	3.99 *	3.93 *	3.87 *	3.79 *	4.61 *
25.5	1.87 *	3.75 *	3.74 *	3.72 *	3.70 *	3.66 *	3.61 *	3.55 *	3.48 *	4.24 *
22.5	1.66 *	3.32 *	3.31 *	3.29 *	3.27 *	3.24 *	3.19 *	3.14 *	3.08 *	3.76 *
19.5	1.70 *	3.40 *	3.39 *	3.37 *	3.35 *	3.31 *	3.27 *	3.22 *	3.16 *	3.85 *
17	1.44 *	2.89 *	2.88 *	2.87 *	2.84 *	2.81 *	2.77 *	2.73 *	2.68 *	3.27 *
15	1.17 *	2.34 *	2.34 *	2.32 *	2.31 *	2.28 *	2.25 *	2.21 *	2.17 *	2.65 *
13	1.18 *	2.37 *	2.36 *	2.35 *	2.33 *	2.30 *	2.27 *	2.24 *	2.19 *	2.68 *
11	1.19 *	2.39 *	2.38 *	2.37 *	2.35 *	2.32 *	2.29 *	2.26 *	2.21 *	2.70 *
9	1.20 *	2.41 *	2.40 *	2.39 *	2.37 *	2.34 *	2.31 *	2.27 *	2.23 *	2.72 *
7	1.21 *	2.42 *	2.42 *	2.40 *	2.38 *	2.36 *	2.33 *	2.29 *	2.25 *	2.74 *
5	1.22 *	2.43 *	2.43 *	2.42 *	2.40 *	2.37 *	2.34 *	2.30 *	2.26 *	2.76 *
3	1.22 *	2.44 *	2.44 *	2.42 *	2.40 *	2.38 *	2.35 *	2.31 *	2.27 *	2.77 *
1	1.23 *	2.45 *	2.45 *	2.43 *	2.41 *	2.39 *	2.36 *	2.32 *	2.27 *	2.77 *
0	0.62 *	1.23 *	1.23 *	1.22 *	1.21 *	1.20 *	1.18 *	1.16 *	1.14 *	1.39 *
-1	0.62 *	1.23 *	1.23 *	1.22 *	1.21 *	1.20 *	1.18 *	1.16 *	1.14 *	1.39 *
	1.23 *	2.46 *	2.45 *	2.43 *	2.41 *	2.39 *	2.36 *	2.32 *	2.28 *	2.78 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TMFL-LED-05L-W-40.IES

LUMENS TABULATION - (Cont.)

-3	1.23 *	2.45 *	2.44 *	2.43 *	2.41 *	2.39 *	2.36 *	2.32 *	2.28 *	2.78 *
-5	1.23 *	2.45 *	2.44 *	2.42 *	2.40 *	2.38 *	2.35 *	2.31 *	2.27 *	2.77 *
-7	1.22 *	2.44 *	2.43 *	2.42 *	2.40 *	2.37 *	2.34 *	2.31 *	2.26 *	2.76 *
-9	1.22 *	2.43 *	2.42 *	2.41 *	2.39 *	2.36 *	2.33 *	2.30 *	2.25 *	2.75 *
-11	1.21 *	2.42 *	2.41 *	2.40 *	2.38 *	2.35 *	2.32 *	2.28 *	2.24 *	2.73 *
-13	1.21 *	2.41 *	2.40 *	2.38 *	2.36 *	2.34 *	2.31 *	2.27 *	2.23 *	2.72 *
-15	1.20 *	2.39 *	2.38 *	2.36 *	2.34 *	2.32 *	2.29 *	2.25 *	2.21 *	2.70 *
-17	1.48 *	2.96 *	2.95 *	2.93 *	2.90 *	2.87 *	2.83 *	2.79 *	2.74 *	3.34 *
-19.5	1.75 *	3.50 *	3.49 *	3.46 *	3.43 *	3.39 *	3.35 *	3.29 *	3.23 *	3.94 *
-22.5	1.72 *	3.44 *	3.42 *	3.40 *	3.36 *	3.33 *	3.28 *	3.23 *	3.17 *	3.86 *
-25.5	1.96 *	3.91 *	3.90 *	3.87 *	3.83 *	3.79 *	3.73 *	3.67 *	3.60 *	4.40 *
-29	2.17 *	4.33 *	4.31 *	4.28 *	4.24 *	4.19 *	4.13 *	4.06 *	3.99 *	4.86 *
-33	2.34 *	4.67 *	4.64 *	4.61 *	4.56 *	4.51 *	4.44 *	4.37 *	4.28 *	5.22 *
-37.5	2.43 *	4.84 *	4.82 *	4.78 *	4.73 *	4.67 *	4.59 *	4.51 *	4.42 *	5.37 *
-42.5	2.15 *	4.30 *	4.28 *	4.24 *	4.20 *	4.14 *	4.07 *	3.99 *	3.89 *	4.73 *
-47.5	2.66 *	5.32 *	5.29 *	5.25 *	5.19 *	5.12 *	5.03 *	4.92 *	4.80 *	5.83 *
-55	2.64 *	5.27 *	5.24 *	5.19 *	5.13 *	5.05 *	4.96 *	4.85 *	4.74 *	5.74 *
-65	1.54 *	3.07 *	3.04 *	3.00 *	2.95 *	2.89 *	2.83 *	2.75 *	2.67 *	3.21 *
-75	0.49	0.97	0.96	0.94	0.92	0.90	0.87	0.84	0.81	0.96
-85	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03
-90										
Total	60.34	120.69	120.34	119.58	118.53	117.16	115.48	113.48	111.17	135.33

Vert. Angles	Horizontal Angles									
	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29</u>	<u>33</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>	<u>55</u>	<u>65</u>
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.06	0.08	0.12	0.14	0.13	0.09	0.09	0.12	0.07	0.01
65	1.62	1.56	1.68	1.72	1.66	1.42	1.08	1.12	0.60	0.11
55	3.81 *	3.62 *	3.88 *	3.94 *	3.81 *	3.35 *	2.51 *	2.51 *	1.40	0.28

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TMFL-LED-05L-W-40.IES

LUMENS TABULATION - (Cont.)

47.5										
	4.13 *	3.93 *	4.28 *	4.40 *	4.26 *	3.80 *	2.88 *	2.86 *	1.66 *	0.35
42.5	5.25 *	5.00 *	5.49 *	5.72 *	5.57 *	5.04 *	3.90 *	3.94 *	2.37 *	0.53
37.5	5.50 *	5.24 *	5.77 *	6.04 *	5.94 *	5.46 *	4.30 *	4.43 *	2.74 *	0.64
33	5.34 *	5.10 *	5.61 *	5.89 *	5.85 *	5.46 *	4.36 *	4.54 *	2.88 *	0.71
29	4.91 *	4.70 *	5.18 *	5.45 *	5.46 *	5.15 *	4.16 *	4.38 *	2.84 *	0.73
25.5	4.35 *	4.16 *	4.59 *	4.85 *	4.89 *	4.64 *	3.77 *	4.01 *	2.65 *	0.70 *
22.5	4.46 *	4.27 *	4.71 *	4.99 *	5.04 *	4.81 *	3.92 *	4.20 *	2.82 *	0.76 *
19.5	3.79 *	3.63 *	4.00 *	4.24 *	4.30 *	4.12 *	3.37 *	3.63 *	2.47 *	0.68 *
17	3.07 *	2.94 *	3.25 *	3.44 *	3.50 *	3.35 *	2.75 *	2.98 *	2.04 *	0.57 *
15	3.10 *	2.97 *	3.28 *	3.48 *	3.54 *	3.40 *	2.79 *	3.03 *	2.10 *	0.59 *
13	3.13 *	3.00 *	3.31 *	3.51 *	3.57 *	3.44 *	2.83 *	3.08 *	2.15 *	0.61 *
11	3.16 *	3.02 *	3.34 *	3.54 *	3.60 *	3.47 *	2.86 *	3.12 *	2.19 *	0.63 *
9	3.18 *	3.04 *	3.36 *	3.56 *	3.63 *	3.50 *	2.89 *	3.15 *	2.23 *	0.65 *
7	3.19 *	3.06 *	3.38 *	3.58 *	3.65 *	3.52 *	2.91 *	3.18 *	2.26 *	0.66 *
5	3.21 *	3.07 *	3.39 *	3.60 *	3.66 *	3.54 *	2.93 *	3.21 *	2.29 *	0.68 *
3	3.22 *	3.08 *	3.40 *	3.60 *	3.67 *	3.56 *	2.94 *	3.22 *	2.31 *	0.69 *
1	1.61 *	1.54 *	1.70 *	1.80 *	1.84 *	1.78 *	1.47 *	1.61 *	1.16 *	0.35 *
0	1.61 *	1.54 *	1.70 *	1.81 *	1.84 *	1.78 *	1.47 *	1.61 *	1.16 *	0.35 *
-1	3.22 *	3.09 *	3.41 *	3.61 *	3.68 *	3.56 *	2.95 *	3.24 *	2.33 *	0.70 *
-3	3.22 *	3.08 *	3.40 *	3.61 *	3.68 *	3.56 *	2.95 *	3.24 *	2.34 *	0.71 *
-5	3.21 *	3.08 *	3.40 *	3.60 *	3.67 *	3.55 *	2.94 *	3.24 *	2.34 *	0.71 *
-7	3.20 *	3.07 *	3.39 *	3.59 *	3.66 *	3.54 *	2.93 *	3.23 *	2.33 *	0.71 *
-9	3.19 *	3.05 *	3.37 *	3.58 *	3.64 *	3.52 *	2.91 *	3.21 *	2.32 *	0.70 *
-11	3.17 *	3.04 *	3.35 *	3.56 *	3.62 *	3.50 *	2.89 *	3.19 *	2.31 *	0.70 *
-13	3.15 *	3.02 *	3.33 *	3.53 *	3.60 *	3.47 *	2.87 *	3.16 *	2.29 *	0.69 *
-15	3.13 *	2.99 *	3.30 *	3.51 *	3.57 *	3.44 *	2.84 *	3.13 *	2.26 *	0.68 *
-17	3.87 *	3.70 *	4.08 *	4.33 *	4.41 *	4.25 *	3.50 *	3.86 *	2.78 *	0.83 *
-19.5	4.57 *	4.37 *	4.82 *	5.12 *	5.20 *	5.00 *	4.12 *	4.53 *	3.26 *	0.97 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TMFL-LED-05L-W-40.IES

LUMENS TABULATION - (Cont.)

-22.5	4.48 *	4.28 *	4.73 *	5.02 *	5.09 *	4.88 *	4.01 *	4.42 *	3.16 *	0.93 *
-25.5	5.09 *	4.88 *	5.38 *	5.70 *	5.77 *	5.51 *	4.52 *	4.99 *	3.55 *	1.03 *
-29	5.63 *	5.39 *	5.95 *	6.29 *	6.34 *	6.02 *	4.92 *	5.43 *	3.83 *	1.09 *
-33	6.04 *	5.77 *	6.36 *	6.72 *	6.74 *	6.36 *	5.17 *	5.69 *	3.98 *	1.11 *
-37.5	6.19 *	5.90 *	6.50 *	6.86 *	6.86 *	6.41 *	5.19 *	5.69 *	3.93 *	1.07 *
-42.5	5.46 *	5.21 *	5.74 *	6.03 *	6.00 *	5.58 *	4.52 *	4.93 *	3.34 *	0.89
-47.5	6.75 *	6.44 *	7.05 *	7.35 *	7.27 *	6.81 *	5.54 *	5.94 *	3.89 *	1.00
-55	6.59 *	6.24 *	6.76 *	6.97 *	6.86 *	6.40 *	5.12 *	5.25 *	3.25 *	0.80
-65	3.65 *	3.42 *	3.66 *	3.73 *	3.61 *	3.30 *	2.54 *	2.46	1.42	0.33
-75	1.07	1.00	1.06	1.06	1.01	0.91	0.68	0.64	0.36	0.09
-85	0.03	0.03	0.03	0.04	0.04	0.03	0.03	0.03	0.02	0.01
-90										
Total	156.59	149.56	164.47	173.15	173.68	164.31	133.29	143.43	97.66	27.05

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.00	0.00	0.00	
85				
	0.00	0.00	0.01	
75				
	0.00	0.00	1.18	
65				
	0.01	0.00	24.04	
55				
	0.02	0.00	56.44	
47.5				
	0.03	0.00	62.32	
42.5				
	0.04	0.00	80.92	
37.5				
	0.05	0.00	85.95	
33				
	0.06	0.00	84.26	
29				
	0.06	0.00	78.35	
25.5				
	0.06	0.00	69.93	
22.5				
	0.07	0.00	72.07	
19.5				
	0.06	0.00	61.47	
17				
	0.05	0.00	49.98	

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TMFL-LED-05L-W-40.IES

LUMENS TABULATION - (Cont.)

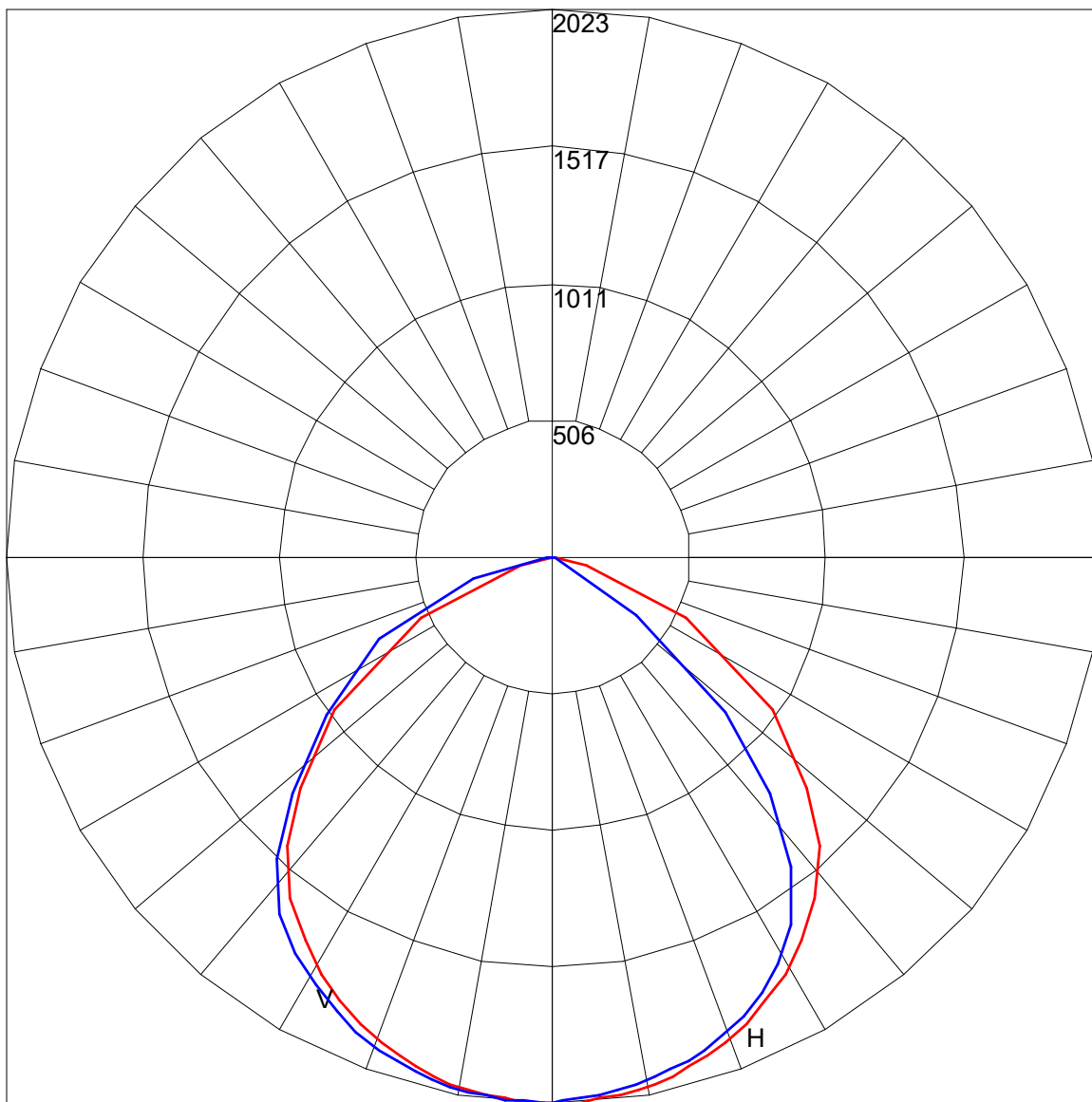
15			
	0.06	0.00	50.61
13			
	0.06	0.00	51.16
11			
	0.06	0.00	51.64
9			
	0.06	0.00	52.04
7			
	0.06	0.00	52.37
5			
	0.07	0.00	52.63
3			
	0.07	0.00	52.82
1			
	0.03	0.00	26.46
0			
	0.03	0.00	26.48
-1			
	0.07	0.00	52.97
-3			
	0.07	0.00	52.94
-5			
	0.07	0.00	52.83
-7			
	0.07	0.00	52.66
-9			
	0.07	0.00	52.44
-11			
	0.07	0.00	52.15
-13			
	0.07	0.00	51.79
-15			
	0.07	0.00	51.36
-17			
	0.08	0.00	63.47
-19.5			
	0.10	0.00	74.89
-22.5			
	0.09	0.00	73.30
-25.5			
	0.10	0.00	83.20
-29			
	0.10	0.00	91.57
-33			
	0.10	0.00	97.66
-37.5			
	0.10	0.00	99.84
-42.5			
	0.08	0.00	87.78
-47.5			
	0.09	0.00	107.53
-55			
	0.07	0.00	103.11
-65			
	0.03	0.00	56.13

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TMFL-LED-05L-W-40.IES

LUMENS TABULATION - (Cont.)

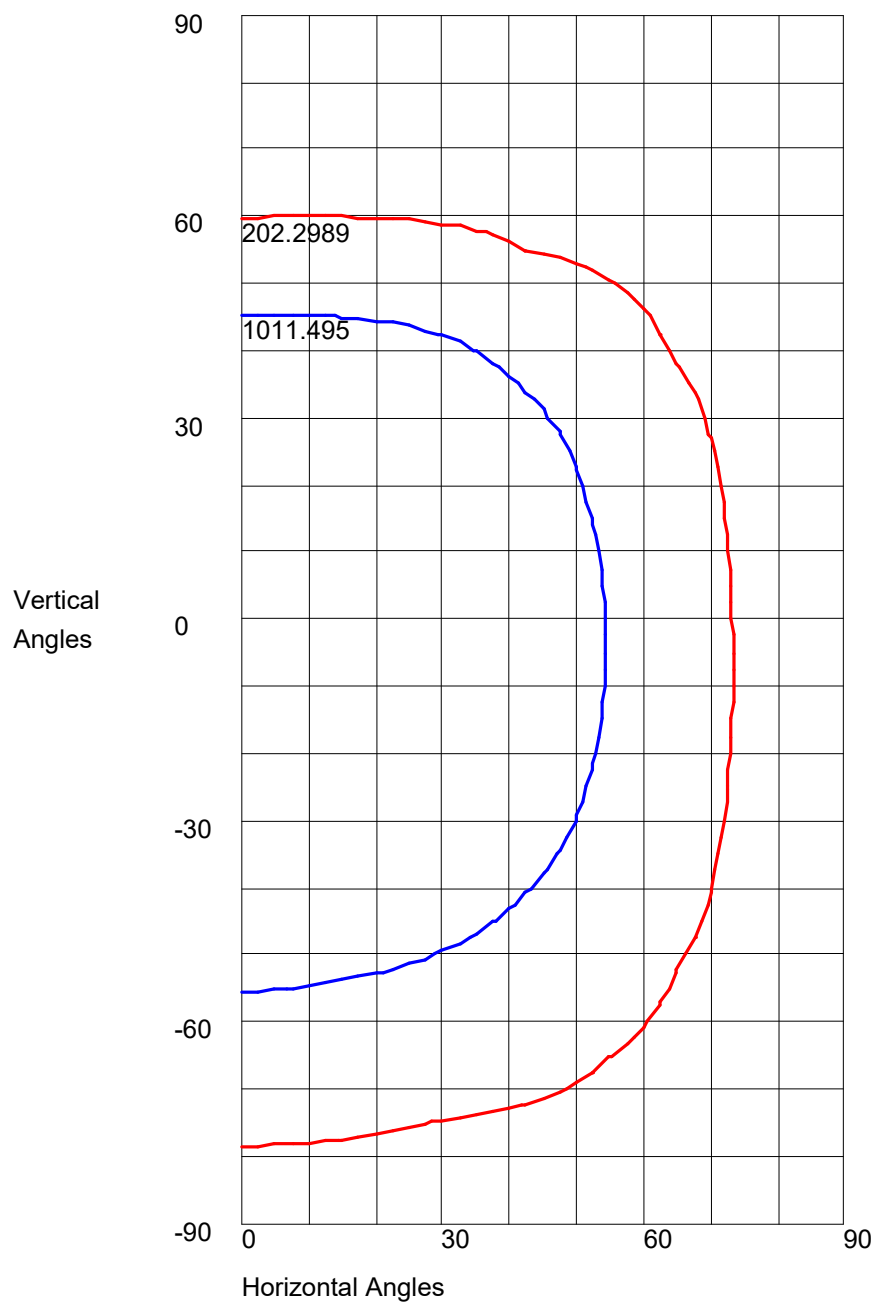
-75	0.01	0.00	16.54
-85	0.00	0.00	0.55
-90			
Total	2.55	0.01	2517.83

AXIAL CANDELA DISPLAY



Maximum Candela = 2022.989 Located At Horizontal Angle = -1, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 2022.989 Located At Horizontal Angle = -1, Vertical Angle = 0
50% Maximum Candela = 1011.4945
10% Maximum Candela = 202.2989