



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : TSFL-LED-02L-50.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] 3359  
[TESTLAB] TUV SUD America  
[TESTDATE] 2/26/2018 3:16:20 PM  
[ISSUEDATE] 01/07/2019  
[MANUFAC] LSI INDUSTRIES, INC  
[LUMCAT] TSFL-LED-02L-50  
[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	5 H x 5 V
Maximum Candela	2658.905
Maximum Candela Angle	0H 0V
Horizontal Beam Angle (50%)	49.2
Vertical Beam Angle (50%)	48.2
Horizontal Field Angle (10%)	92.9
Vertical Field Angle (10%)	87.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1086
Beam Efficiency	N.A.
Field Lumens	1965
Field Efficiency	N.A.
Spill Lumens	234
Luminaire Lumens	2199
Total Efficiency	N.A.
Total Luminaire Watts	21.29
Ballast Factor	1.00

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**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	0	85	0
75	4.578	75	0
65	46.746	65	0
55	128.058	55	40.846
47.5	239.885	47.5	132.457
42.5	364.988	42.5	205.688
37.5	560.444	37.5	333.768
33	792.13	33	656.886
29	1031.446	29	900.413
25.5	1263.657	25.5	1116.426
22.5	1488.786	22.5	1316.456
19.5	1736.618	19.5	1544.509
17	1948.761	17	1749.57
15	2115.307	15	1918.597
13	2260.156	13	2086.12
11	2388.409	11	2239.371
9	2494.249	9	2373.51
7	2574.138	7	2484.493
5	2626.812	5	2569.074
3	2651.985	3	2614.736
1	2658.654	1	2645.803
0	2658.905	0	2658.905
-1	2658.654	-1	2657.669
-3	2651.985	-3	2652.379
-5	2626.812	-5	2638.633
-7	2574.138	-7	2603.242
-9	2494.249	-9	2543.296
-11	2388.409	-11	2456.978
-13	2260.156	-13	2344.753
-15	2115.307	-15	2209.37
-17	1948.761	-17	2044.972
-19.5	1736.618	-19.5	1838.883
-22.5	1488.786	-22.5	1587.404
-25.5	1263.657	-25.5	1357.487
-29	1031.446	-29	1113.158
-33	792.13	-33	866.816
-37.5	560.444	-37.5	629.018
-42.5	364.988	-42.5	411.431
-47.5	239.885	-47.5	262.821
-55	128.058	-55	148.408
-65	46.746	-65	60.346
-75	4.578	-75	18.134
-85	0	-85	.683
-90	0	-90	0

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**CANDELA TABULATION**

Maximum Candela = 2658.905

Beam Edge = 1329.4525 Cd (50% of Max.)

Field Edge = 265.8905 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	0.000	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	0.000	0.000	0.000	0.000	0.000	0.333	0.493	1.122	2.057	2.296
55.0	0.000	0.000	0.000	0.220	4.744	12.411	18.436	26.639	35.357	40.215
47.5	0.000	0.000	0.011	2.545	16.756	37.041	55.645	71.151	80.022	91.154
42.5	0.000	0.000	0.173	5.977	29.124	62.261	82.280	100.919	116.637	134.855
37.5	0.000	0.000	0.346	10.766	45.398	85.421	113.047	140.293	171.289	218.100
33.0	0.000	0.000	0.537	15.845	61.398	110.371	144.819	189.816	255.360	325.039 *
29.0	0.000	0.000	1.126	20.571	74.342	132.625	180.990	246.847	331.370 *	418.496 *
25.5	0.000	0.000	1.643	24.849	83.975	150.603	214.223	297.375 *	398.681 *	505.114 *
22.5	0.000	0.000	2.082	28.366	91.729	169.292	242.489	338.462 *	459.060 *	587.887 *
19.5	0.000	0.000	2.510	31.990	99.491	185.707	266.335 *	380.583 *	520.282 *	670.542 *
17.0	0.000	0.000	2.855	34.755	106.094	197.762	284.125 *	414.009 *	572.699 *	738.372 *
15.0	0.000	0.000	3.120	36.795	110.733	206.521	299.411 *	438.612 *	612.481 *	789.017 *
13.0	0.000	0.000	3.373	38.675	114.804	214.311	314.065 *	465.320 *	648.803 *	839.184 *
11.0	0.000	0.000	3.611	40.392	118.313	221.106	327.052 *	489.137 *	683.394 *	884.963 *
9.0	0.000	0.000	3.834	41.942	121.268	226.884	338.284 *	509.874 *	714.562 *	925.220 *
7.0	0.000	0.000	4.039	43.321	123.681	231.626	347.676 *	527.346 *	741.016 *	960.619 *
5.0	0.000	0.000	4.306	44.524	125.563	235.317	355.151 *	541.381 *	762.436 *	990.245 *
3.0	0.000	0.000	4.415	45.757	127.469	239.151	363.009 *	551.821 *	778.529 *	1012.527 *
1.0	0.000	0.000	4.523	46.416	127.862	239.640	364.327 *	559.013 *	789.038 *	1027.119 *
0.0	0.000	0.000	4.578	46.746	128.058	239.885	364.988 *	560.444 *	792.130 *	1031.446 *
-1.0	0.000	0.000	4.686	47.029	128.485	240.117	365.245 *	560.866 *	791.796 *	1030.764 *
-3.0	0.000	0.000	4.901	47.595	129.339	240.580	365.757 *	557.329 *	786.731 *	1023.368 *
-5.0	0.000	0.000	5.115	47.571	128.740	237.686	359.608 *	550.410 *	775.873 *	1008.010 *
-7.0	0.000	0.000	5.146	47.560	128.206	234.922	353.743 *	539.675 *	759.349 *	984.869 *
-9.0	0.000	0.000	5.235	47.349	127.217	231.086	345.791 *	525.202 *	737.333 *	955.571 *
-11.0	0.000	0.000	5.289	46.933	125.781	226.188	335.789 *	507.093 *	710.043 *	921.136 *
-13.0	0.000	0.000	5.307	46.312	123.905	220.242	323.785 *	485.469 *	678.833 *	880.689 *
-15.0	0.000	0.000	5.286	45.481	121.599	213.267	309.833 *	460.469 *	645.647 *	834.500 *
-17.0	0.000	0.000	5.227	44.439	118.872	205.284	295.069 *	436.626 *	608.060 *	785.971 *
-19.5	0.000	0.000	5.096	42.840	114.887	195.510	278.034 *	403.205 *	557.127 *	719.631 *
-22.5	0.000	0.000	4.855	40.483	109.470	183.568	255.010	360.868 *	496.077 *	637.687 *
-25.5	0.000	0.000	4.519	38.126	103.379	170.421	232.771	321.917 *	434.220 *	553.971 *
-29.0	0.000	0.000	4.006	34.802	95.396	155.681	206.504	279.093 *	364.451 *	465.095 *
-33.0	0.000	0.000	3.256	30.898	86.298	137.919	180.337	235.106	297.426 *	366.165 *
-37.5	0.000	0.000	2.835	26.336	74.748	119.918	152.345	192.747	236.982	282.688 *
-42.5	0.000	0.000	2.199	21.658	61.379	98.509	124.970	153.473	182.766	210.535
-47.5	0.000	0.000	1.345	17.072	46.946	78.817	100.200	122.288	140.549	158.593
-55.0	0.000	0.000	0.644	10.580	29.482	49.547	66.358	80.920	91.958	102.322
-65.0	0.000	0.000	0.059	3.148	12.641	21.768	28.299	33.299	38.290	42.401
-75.0	0.000	0.000	0.000	0.166	2.262	5.025	7.385	9.386	11.044	12.589
-85.0	0.000	0.000	0.000	0.000	0.005	0.021	0.045	0.091	0.142	0.193
-90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	1.802	1.888	2.178	2.606	2.741	2.713	2.542	2.249	1.855	1.382
55.0	42.182	42.407	42.087	44.018	45.495	46.382	46.719	46.551	45.924	44.887
47.5	103.551	111.335	117.334	121.391	124.879	127.849	130.280	132.135	133.380	133.981
42.5	153.891	168.592	181.710	186.121	189.910	197.156	202.758	206.738	209.126	209.967
37.5	254.604	276.017 *	293.487 *	304.020 *	309.528 *	334.126 *	353.581 *	364.550 *	367.852 *	364.440 *
33.0	370.775 *	412.265 *	465.670 *	515.773 *	556.137 *	595.033 *	616.640 *	633.010 *	646.859 *	656.936 *
29.0	496.333 *	568.164 *	645.863 *	707.229 *	752.210 *	794.076 *	829.706 *	856.581 *	878.518 *	894.157 *
25.5	608.685 *	701.623 *	794.613 *	867.747 *	924.386 *	976.642 *	1022.106 *	1060.343 *	1088.796 *	1108.328 *
22.5	710.538 *	818.006 *	925.125 *	1014.196 *	1081.720 *	1144.163 *	1199.462 *	1250.274 *	1285.423 *	1309.037 *
19.5	812.216 *	936.477 *	1060.902 *	1163.975 *	1244.672 *	1321.598 *	1390.987 *	1455.383 *	1504.113 *	1534.006 *
17.0	894.896 *	1035.277 *	1176.027 *	1292.866 *	1385.972 *	1477.753 *	1561.564 *	1638.542 *	1700.941 *	1737.981 *
15.0	959.945 *	1112.146 *	1267.195 *	1398.503 *	1501.974 *	1604.038 *	1703.851 *	1789.279 *	1861.331 *	1908.765 *
13.0	1021.341 *	1185.355 *	1356.958 *	1503.790 *	1619.169 *	1735.066 *	1844.894 *	1942.939 *	2021.541 *	2075.100 *
11.0	1076.967 *	1252.779 *	1441.291 *	1603.602 *	1735.951 *	1862.780 *	1982.854 *	2084.244 *	2167.147 *	2227.597 *
9.0	1129.470 *	1318.177 *	1522.028 *	1699.201 *	1841.735 *	1979.829 *	2103.484 *	2210.138 *	2292.554 *	2357.616 *
7.0	1174.813 *	1375.028 *	1592.688 *	1782.947 *	1933.951 *	2079.190 *	2206.694 *	2312.221 *	2400.958 *	2456.572 *
5.0	1211.745 *	1421.860 *	1651.269 *	1852.393 *	2009.982 *	2156.320 *	2288.064 *	2396.661 *	2475.332 *	2533.969 *
3.0	1239.674 *	1457.660 *	1697.209 *	1904.816 *	2067.648 *	2214.367 *	2343.779 *	2452.064 *	2534.156 *	2582.745 *
1.0	1258.113 *	1483.145 *	1727.624 *	1938.827 *	2107.505 *	2250.477 *	2378.965 *	2484.955 *	2565.113 *	2619.465 *
0.0	1263.657 *	1488.786 *	1736.618 *	1948.761 *	2115.307 *	2260.156 *	2388.409 *	2494.249 *	2574.138 *	2626.812 *
-1.0	1263.262 *	1490.339 *	1737.389 *	1950.482 *	2119.875 *	2263.336 *	2391.730 *	2497.222 *	2576.674 *	2630.073 *
-3.0	1254.922 *	1478.892 *	1726.171 *	1939.736 *	2104.725 *	2253.029 *	2382.700 *	2489.853 *	2569.964 *	2614.956 *
-5.0	1236.501 *	1456.192 *	1698.329 *	1909.813 *	2071.537 *	2221.021 *	2353.930 *	2459.541 *	2534.621 *	2589.746 *
-7.0	1208.139 *	1420.970 *	1655.432 *	1860.238 *	2017.692 *	2165.669 *	2295.972 *	2401.432 *	2488.410 *	2537.068 *
-9.0	1170.132 *	1373.808 *	1596.754 *	1789.192 *	1942.868 *	2085.175 *	2213.886 *	2327.299 *	2405.172 *	2466.614 *
-11.0	1123.687 *	1315.208 *	1523.518 *	1703.396 *	1848.213 *	1985.820 *	2112.633 *	2218.042 *	2303.720 *	2365.152 *
-13.0	1073.380 *	1252.679 *	1444.545 *	1609.807 *	1740.097 *	1869.985 *	1989.525 *	2093.150 *	2177.987 *	2240.786 *
-15.0	1016.167 *	1182.772 *	1357.902 *	1509.108 *	1627.669 *	1743.710 *	1855.811 *	1953.895 *	2033.195 *	2102.613 *
-17.0	954.416 *	1108.310 *	1268.165 *	1404.124 *	1512.541 *	1617.412 *	1715.648 *	1805.439 *	1880.715 *	1949.491 *
-19.5	874.517 *	1012.058 *	1152.626 *	1272.086 *	1365.718 *	1456.567 *	1540.026 *	1618.074 *	1688.380 *	1750.551 *
-22.5	773.455 *	893.897 *	1016.133 *	1117.544 *	1195.991 *	1269.738 *	1336.138 *	1399.592 *	1461.644 *	1512.719 *
-25.5	670.320 *	775.573 *	882.462 *	968.236 *	1034.507 *	1095.993 *	1150.548 *	1204.409 *	1254.039 *	1295.367 *
-29.0	555.324 *	643.147 *	730.169 *	801.736 *	854.952 *	906.206 *	952.459 *	995.569 *	1033.594 *	1065.815 *
-33.0	439.222 *	504.592 *	569.870 *	624.934 *	666.194 *	703.538 *	742.025 *	777.157 *	806.983 *	831.283 *
-37.5	328.152 *	370.625 *	416.875 *	453.845 *	480.862 *	510.603 *	538.350 *	562.994 *	584.286 *	601.981 *
-42.5	237.829 *	261.570 *	287.301 *	306.970 *	324.634 *	342.669 *	358.962 *	373.374 *	385.769 *	396.016 *
-47.5	173.964 *	188.581 *	201.689 *	212.260 *	221.822 *	230.544 *	238.362 *	245.221 *	251.066 *	255.845 *
-55.0	110.793 *	117.418 *	123.575 *	128.768 *	132.631 *	136.110 *	139.191 *	141.858 *	144.099 *	145.900 *
-65.0	45.665 *	47.892 *	50.436 *	52.759 *	54.392 *	55.825 *	57.059 *	58.094 *	58.932 *	59.575 *
-75.0	13.709 *	14.506 *	15.251 *	15.824 *	16.241 *	16.619 *	16.959 *	17.260 *	17.523 *	17.869 *
-85.0	0.241 *	0.284 *	0.337 *	0.383 *	0.420 *	0.457 *	0.513 *	0.544 *	0.575 *	0.606 *
-90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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	0.864	0.288	0.000	0.288	0.864	1.382	1.855	2.249	2.542	2.713

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**CANDELA TABULATION - (Cont.)**

55.0	43.771	41.821	40.846	41.821	43.771	44.887	45.924	46.551	46.719	46.382
47.5	134.729	133.215	132.457	133.215	134.729	133.981	133.380	132.135	130.280	127.849
42.5	210.832	207.404	205.688	207.404	210.832	209.967	209.126	206.738	202.758	197.156
37.5	355.382 *	342.192 *	333.768 *	342.192 *	355.382 *	364.440 *	367.852 *	364.550 *	353.581 *	334.126 *
33.0	661.920 *	660.456 *	656.886 *	660.456 *	661.920 *	656.936 *	646.859 *	633.010 *	616.640 *	595.033 *
29.0	902.295 *	902.908 *	900.413 *	902.908 *	902.295 *	894.157 *	878.518 *	856.581 *	829.706 *	794.076 *
25.5	1118.626 *	1119.518 *	1116.426 *	1119.518 *	1118.626 *	1108.328 *	1088.796 *	1060.343 *	1022.106 *	976.642 *
22.5	1320.840 *	1322.246 *	1316.456 *	1322.246 *	1320.840 *	1309.037 *	1285.423 *	1250.307 *	1199.462 *	1144.163 *
19.5	1550.124 *	1550.461 *	1544.509 *	1550.461 *	1550.124 *	1534.006 *	1504.113 *	1455.383 *	1390.987 *	1321.598 *
17.0	1757.131 *	1757.052 *	1749.570 *	1757.052 *	1757.131 *	1737.981 *	1700.941 *	1638.542 *	1561.564 *	1477.753 *
15.0	1929.905 *	1930.830 *	1918.597 *	1930.830 *	1929.905 *	1908.765 *	1861.331 *	1789.279 *	1703.851 *	1604.038 *
13.0	2097.741 *	2096.297 *	2086.120 *	2096.297 *	2097.741 *	2075.100 *	2021.541 *	1942.939 *	1844.894 *	1735.066 *
11.0	2252.283 *	2250.131 *	2239.371 *	2250.131 *	2252.283 *	2227.597 *	2167.147 *	2084.244 *	1982.854 *	1862.780 *
9.0	2387.993 *	2384.295 *	2373.510 *	2384.295 *	2387.993 *	2357.616 *	2292.554 *	2210.138 *	2103.484 *	1979.830 *
7.0	2496.883 *	2494.502 *	2484.493 *	2494.502 *	2496.883 *	2456.572 *	2400.958 *	2312.221 *	2206.694 *	2079.190 *
5.0	2565.876 *	2579.841 *	2569.074 *	2579.841 *	2565.876 *	2533.969 *	2475.332 *	2396.661 *	2288.064 *	2156.320 *
3.0	2613.050 *	2623.355 *	2614.736 *	2623.355 *	2613.050 *	2582.745 *	2534.156 *	2452.064 *	2343.779 *	2214.367 *
1.0	2641.513 *	2649.786 *	2645.803 *	2649.787 *	2641.513 *	2619.465 *	2565.113 *	2484.955 *	2378.965 *	2250.477 *
0.0	2651.985 *	2658.654 *	2658.905 *	2658.654 *	2651.985 *	2626.812 *	2574.138 *	2494.249 *	2388.409 *	2260.156 *
-1.0	2650.654 *	2658.291 *	2657.669 *	2658.291 *	2650.654 *	2630.073 *	2576.674 *	2497.222 *	2391.730 *	2263.336 *
-3.0	2642.017 *	2648.919 *	2652.379 *	2648.919 *	2642.019 *	2614.956 *	2569.964 *	2489.853 *	2382.700 *	2253.029 *
-5.0	2614.642 *	2634.886 *	2638.633 *	2634.886 *	2614.642 *	2589.746 *	2534.621 *	2459.541 *	2353.930 *	2221.021 *
-7.0	2572.892 *	2596.328 *	2603.242 *	2596.328 *	2572.892 *	2537.068 *	2488.410 *	2401.432 *	2295.972 *	2165.669 *
-9.0	2506.245 *	2534.814 *	2543.296 *	2534.814 *	2506.245 *	2466.614 *	2405.172 *	2327.299 *	2213.886 *	2085.175 *
-11.0	2413.620 *	2447.296 *	2456.978 *	2447.296 *	2413.620 *	2365.152 *	2303.720 *	2218.042 *	2112.633 *	1985.820 *
-13.0	2297.588 *	2334.211 *	2344.753 *	2334.211 *	2297.588 *	2240.786 *	2177.987 *	2093.150 *	1989.525 *	1869.985 *
-15.0	2160.126 *	2200.832 *	2209.370 *	2200.832 *	2160.126 *	2102.613 *	2033.195 *	1953.895 *	1855.811 *	1743.710 *
-17.0	2001.178 *	2034.962 *	2044.972 *	2034.962 *	2001.178 *	1949.491 *	1880.715 *	1805.439 *	1715.648 *	1617.412 *
-19.5	1797.899 *	1829.286 *	1838.883 *	1829.286 *	1797.899 *	1750.551 *	1688.380 *	1618.074 *	1540.026 *	1456.567 *
-22.5	1552.006 *	1580.455 *	1587.404 *	1580.455 *	1552.006 *	1512.719 *	1461.644 *	1399.635 *	1336.138 *	1269.738 *
-25.5	1327.617 *	1350.095 *	1357.487 *	1350.095 *	1327.617 *	1295.367 *	1254.039 *	1204.409 *	1150.548 *	1095.993 *
-29.0	1090.674 *	1107.703 *	1113.158 *	1107.703 *	1090.674 *	1065.815 *	1033.594 *	995.569 *	952.459 *	906.206 *
-33.0	849.881 *	862.646 *	866.816 *	862.646 *	849.881 *	831.283 *	806.983 *	777.157 *	742.025 *	703.538 *
-37.5	615.849 *	626.214 *	629.018 *	626.214 *	615.849 *	601.981 *	584.286 *	562.994 *	538.350 *	510.603 *
-42.5	406.803 *	409.887 *	411.431 *	409.887 *	406.803 *	396.016 *	385.769 *	373.374 *	358.962 *	342.669 *
-47.5	260.863	262.168	262.821	262.168	260.863	255.845	251.066	245.221	238.362	230.544
-55.0	147.780	148.199	148.408	148.199	147.780	145.900	144.099	141.858	139.191	136.110
-65.0	60.236	60.309	60.346	60.309	60.236	59.575	58.932	58.094	57.059	55.825
-75.0	17.975	18.081	18.134	18.081	17.975	17.869	17.523	17.260	16.959	16.619
-85.0	0.637	0.668	0.683	0.668	0.637	0.606	0.575	0.544	0.513	0.457
-90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**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	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	2.741	2.606	2.178	1.888	1.802	2.296	2.057	1.122	0.493	0.333
55.0	45.495	44.018	42.087	42.407	42.182	40.215	35.357	26.639	18.436	12.411
47.5	124.879	121.411	117.334	111.335	103.551	91.154	80.022	71.151	55.645	37.041
42.5	189.910	186.121	181.710	168.592	153.891	134.855	116.637	100.919	82.280	62.261
37.5	309.528 *	304.020 *	293.487 *	276.017 *	254.604	218.100	171.289	140.293	113.047	85.421
33.0	556.137 *	515.773 *	465.670 *	412.265 *	370.775 *	325.039 *	255.360	189.816	144.819	110.371
29.0	752.210 *	707.229 *	645.863 *	568.164 *	496.333 *	418.496 *	331.370 *	246.847	180.989	132.625
25.5	924.386 *	867.747 *	794.613 *	701.623 *	608.685 *	505.114 *	398.681 *	297.375 *	214.223	150.603

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : TSFL-LED-02L-50.IES**

**CANDELA TABULATION - (Cont.)**

<b>22.5</b>	1081.720	*1014.196	*925.125	* 818.006	* 710.538	* 587.887	* 459.060	* 338.462	* 242.489	169.292
<b>19.5</b>	1244.672	*1163.975	*1060.902	*936.477	* 812.216	* 670.542	* 520.282	* 380.583	* 266.335	* 185.707
<b>17.0</b>	1385.972	*1292.866	*1176.027	*1035.277	*894.896	* 738.372	* 572.699	* 414.009	* 284.125	* 197.762
<b>15.0</b>	1501.974	*1398.503	*1267.195	*1112.146	*959.945	* 789.017	* 612.481	* 438.612	* 299.411	* 206.521
<b>13.0</b>	1619.169	*1503.790	*1356.958	*1185.355	*1021.341	*839.184	* 648.803	* 465.320	* 314.065	* 214.311
<b>11.0</b>	1735.951	*1603.602	*1441.291	*1252.779	*1076.967	*884.963	* 683.394	* 489.137	* 327.052	* 221.106
<b>9.0</b>	1841.735	*1699.201	*1522.028	*1318.177	*1129.470	*925.220	* 714.562	* 509.874	* 338.284	* 226.884
<b>7.0</b>	1933.951	*1782.947	*1592.688	*1375.028	*1174.813	*960.619	* 741.016	* 527.346	* 347.676	* 231.626
<b>5.0</b>	2009.982	*1852.393	*1651.269	*1421.860	*1211.745	*990.245	* 762.436	* 541.381	* 355.151	* 235.317
<b>3.0</b>	2067.648	*1904.816	*1697.209	*1457.660	*1239.674	*1012.527	*778.529	* 551.821	* 363.009	* 239.151
<b>1.0</b>	2107.506	*1938.827	*1727.624	*1483.145	*1258.113	*1027.119	*789.038	* 559.013	* 364.327	* 239.640
<b>0.0</b>	2115.307	*1948.761	*1736.618	*1488.786	*1263.657	*1031.446	*792.130	* 560.444	* 364.988	* 239.885
<b>-1.0</b>	2119.875	*1950.482	*1737.389	*1490.339	*1263.262	*1030.764	*791.796	* 560.866	* 365.245	* 240.117
<b>-3.0</b>	2104.725	*1939.736	*1726.171	*1478.892	*1254.922	*1023.368	*786.731	* 557.329	* 365.757	* 240.580
<b>-5.0</b>	2071.537	*1909.813	*1698.329	*1456.192	*1236.501	*1008.010	*775.873	* 550.410	* 359.608	* 237.686
<b>-7.0</b>	2017.692	*1860.238	*1655.432	*1420.970	*1208.139	*984.869	* 759.349	* 539.675	* 353.743	* 234.922
<b>-9.0</b>	1942.868	*1789.192	*1596.754	*1373.808	*1170.132	*955.571	* 737.333	* 525.202	* 345.791	* 231.086
<b>-11.0</b>	1848.213	*1703.396	*1523.518	*1315.208	*1123.687	*921.136	* 710.043	* 507.093	* 335.789	* 226.188
<b>-13.0</b>	1740.097	*1609.807	*1444.545	*1252.679	*1073.380	*880.689	* 678.833	* 485.469	* 323.785	* 220.242
<b>-15.0</b>	1627.669	*1509.108	*1357.902	*1182.772	*1016.167	*834.500	* 645.647	* 460.469	* 309.833	* 213.267
<b>-17.0</b>	1512.541	*1404.124	*1268.165	*1108.310	*954.416	* 785.971	* 608.060	* 436.626	* 295.069	* 205.284
<b>-19.5</b>	1365.718	*1272.086	*1152.626	*1012.058	*874.517	* 719.631	* 557.127	* 403.205	* 278.034	* 195.510
<b>-22.5</b>	1195.991	*1117.544	*1016.133	*893.897	* 773.455	* 637.687	* 496.077	* 360.868	* 255.010	183.568
<b>-25.5</b>	1034.507	*968.236	* 882.462	* 775.573	* 670.320	* 553.971	* 434.220	* 321.917	* 232.771	170.421
<b>-29.0</b>	854.952	* 801.736	* 730.169	* 643.147	* 555.324	* 465.095	* 364.451	* 279.093	* 206.504	155.681
<b>-33.0</b>	666.194	* 624.934	* 569.870	* 504.592	* 439.222	* 366.165	* 297.426	* 235.106	180.337	137.919
<b>-37.5</b>	480.862	* 453.845	* 416.875	* 370.625	* 328.152	* 282.688	* 236.982	192.747	152.345	119.918
<b>-42.5</b>	324.634	* 306.970	* 287.301	* 261.570	237.829	210.535	182.766	153.473	124.970	98.509
<b>-47.5</b>	221.822	212.261	201.689	188.581	173.964	158.593	140.549	122.288	100.200	78.817
<b>-55.0</b>	132.631	128.768	123.575	117.418	110.793	102.322	91.958	80.920	66.358	49.547
<b>-65.0</b>	54.392	52.759	50.436	47.892	45.665	42.401	38.290	33.299	28.299	21.768
<b>-75.0</b>	16.241	15.824	15.251	14.506	13.709	12.589	11.044	9.386	7.385	5.025
<b>-85.0</b>	0.420	0.383	0.337	0.285	0.241	0.193	0.142	0.091	0.045	0.021
<b>-90.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

<b>Vert. Angles</b>	<b>Horizontal Angles</b>				
	<b>55.0</b>	<b>65.0</b>	<b>75.0</b>	<b>85.0</b>	<b>90.0</b>
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000
<b>85.0</b>	0.000	0.000	0.000	0.000	0.000
<b>75.0</b>	0.000	0.000	0.000	0.000	0.000
<b>65.0</b>	0.000	0.000	0.000	0.000	0.000
<b>55.0</b>	4.744	0.220	0.000	0.000	0.000
<b>47.5</b>	16.756	2.545	0.011	0.000	0.000
<b>42.5</b>	29.124	5.977	0.173	0.000	0.000
<b>37.5</b>	45.398	10.766	0.346	0.000	0.000
<b>33.0</b>	61.398	15.845	0.537	0.000	0.000
<b>29.0</b>	74.342	20.571	1.126	0.000	0.000
<b>25.5</b>	83.975	24.849	1.643	0.000	0.000
<b>22.5</b>	91.729	28.366	2.082	0.000	0.000
<b>19.5</b>	99.491	31.990	2.510	0.000	0.000
<b>17.0</b>	106.094	34.755	2.855	0.000	0.000
<b>15.0</b>	110.733	36.795	3.120	0.000	0.000
<b>13.0</b>	114.804	38.675	3.373	0.000	0.000
<b>11.0</b>	118.313	40.392	3.611	0.000	0.000
<b>9.0</b>	121.268	41.942	3.834	0.000	0.000

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : TSFL-LED-02L-50.IES**

**CANDELA TABULATION - (Cont.)**

<b>7.0</b>	123.681	43.321	4.039	0.000	0.000
<b>5.0</b>	125.563	44.524	4.306	0.000	0.000
<b>3.0</b>	127.469	45.757	4.415	0.000	0.000
<b>1.0</b>	127.862	46.416	4.523	0.000	0.000
<b>0.0</b>	128.058	46.746	4.578	0.000	0.000
<b>-1.0</b>	128.485	47.029	4.686	0.000	0.000
<b>-3.0</b>	129.339	47.595	4.901	0.000	0.000
<b>-5.0</b>	128.740	47.571	5.115	0.000	0.000
<b>-7.0</b>	128.205	47.560	5.146	0.000	0.000
<b>-9.0</b>	127.217	47.349	5.235	0.000	0.000
<b>-11.0</b>	125.781	46.933	5.289	0.000	0.000
<b>-13.0</b>	123.905	46.312	5.307	0.000	0.000
<b>-15.0</b>	121.599	45.481	5.286	0.000	0.000
<b>-17.0</b>	118.872	44.439	5.227	0.000	0.000
<b>-19.5</b>	114.887	42.840	5.096	0.000	0.000
<b>-22.5</b>	109.470	40.483	4.855	0.000	0.000
<b>-25.5</b>	103.379	38.126	4.519	0.000	0.000
<b>-29.0</b>	95.396	34.802	4.006	0.000	0.000
<b>-33.0</b>	86.298	30.898	3.256	0.000	0.000
<b>-37.5</b>	74.748	26.336	2.835	0.000	0.000
<b>-42.5</b>	61.379	21.658	2.199	0.000	0.000
<b>-47.5</b>	46.946	17.072	1.345	0.000	0.000
<b>-55.0</b>	29.482	10.580	0.644	0.000	0.000
<b>-65.0</b>	12.641	3.148	0.059	0.000	0.000
<b>-75.0</b>	2.262	0.166	0.000	0.000	0.000
<b>-85.0</b>	0.005	0.000	0.000	0.000	0.000
<b>-90.0</b>	0.000	0.000	0.000	0.000	0.000

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : TSFL-LED-02L-50.IES**

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 1099.75

Total Field Lumens (one side of beam only) = 982.62

\* 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	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
55	0.06	0.13	0.14	0.14	0.15	0.15	0.15	0.14	0.14	0.16
47.5	0.20	0.40	0.41	0.41	0.40	0.40	0.39	0.38	0.37	0.44
42.5	0.26	0.52	0.52	0.52	0.51	0.50	0.49	0.47	0.46	0.55
37.5	0.41 *	0.85 *	0.87 *	0.87 *	0.87 *	0.85 *	0.81 *	0.76	0.72	0.87
33	0.68 *	1.38 *	1.39 *	1.39 *	1.37 *	1.33 *	1.27 *	1.19 *	1.11 *	1.28 *
29	0.95 *	1.90 *	1.89 *	1.86 *	1.82 *	1.76 *	1.69 *	1.59 *	1.48 *	1.69 *
25.5	1.08 *	2.15 *	2.14 *	2.10 *	2.05 *	1.98 *	1.89 *	1.78 *	1.67 *	1.91 *
22.5	1.11 *	2.23 *	2.21 *	2.18 *	2.12 *	2.04 *	1.94 *	1.83 *	1.71 *	1.95 *
19.5	1.31 *	2.62 *	2.60 *	2.56 *	2.49 *	2.38 *	2.26 *	2.12 *	1.98 *	2.26 *
17	1.26 *	2.52 *	2.50 *	2.45 *	2.38 *	2.27 *	2.14 *	2.01 *	1.86 *	2.12 *
15	1.12 *	2.25 *	2.23 *	2.18 *	2.11 *	2.01 *	1.89 *	1.76 *	1.63 *	1.86 *
13	1.22 *	2.45 *	2.43 *	2.38 *	2.30 *	2.18 *	2.05 *	1.91 *	1.76 *	2.00 *
11	1.32 *	2.65 *	2.63 *	2.57 *	2.48 *	2.36 *	2.21 *	2.05 *	1.89 *	2.14 *
9	1.41 *	2.82 *	2.80 *	2.74 *	2.64 *	2.51 *	2.36 *	2.19 *	2.01 *	2.27 *
7	1.48 *	2.97 *	2.95 *	2.88 *	2.78 *	2.65 *	2.49 *	2.32 *	2.13 *	2.39 *
5	1.54 *	3.09 *	3.05 *	2.99 *	2.89 *	2.76 *	2.60 *	2.42 *	2.22 *	2.49 *
3	1.58 *	3.16 *	3.13 *	3.07 *	2.97 *	2.84 *	2.68 *	2.50 *	2.29 *	2.57 *
1	1.60 *	3.20 *	3.18 *	3.12 *	3.03 *	2.90 *	2.74 *	2.55 *	2.35 *	2.63 *
0	0.81 *	1.61 *	1.60 *	1.57 *	1.53 *	1.46 *	1.38 *	1.29 *	1.19 *	1.33 *
-1	0.81 *	1.62 *	1.60 *	1.58 *	1.53 *	1.47 *	1.39 *	1.29 *	1.19 *	1.33 *
	1.62 *	3.23 *	3.20 *	3.15 *	3.06 *	2.93 *	2.77 *	2.58 *	2.38 *	2.66 *



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : TSFL-LED-02L-50.IES**

**LUMENS TABULATION - (Cont.)**

<b>-3</b>	1.61 *	3.21 *	3.18 *	3.12 *	3.03 *	2.91 *	2.74 *	2.56 *	2.35 *	2.63 *
<b>-5</b>	1.60 *	3.17 *	3.13 *	3.07 *	2.98 *	2.85 *	2.69 *	2.51 *	2.30 *	2.58 *
<b>-7</b>	1.57 *	3.11 *	3.06 *	3.00 *	2.90 *	2.77 *	2.61 *	2.43 *	2.23 *	2.50 *
<b>-9</b>	1.52 *	3.01 *	2.96 *	2.89 *	2.79 *	2.66 *	2.50 *	2.32 *	2.13 *	2.39 *
<b>-11</b>	1.46 *	2.89 *	2.83 *	2.75 *	2.65 *	2.52 *	2.37 *	2.20 *	2.02 *	2.27 *
<b>-13</b>	1.38 *	2.74 *	2.67 *	2.59 *	2.49 *	2.37 *	2.22 *	2.06 *	1.90 *	2.14 *
<b>-15</b>	1.29 *	2.56 *	2.50 *	2.41 *	2.31 *	2.20 *	2.07 *	1.92 *	1.77 *	2.00 *
<b>-17</b>	1.48 *	2.92 *	2.85 *	2.75 *	2.64 *	2.50 *	2.36 *	2.20 *	2.03 *	2.30 *
<b>-19.5</b>	1.56 *	3.09 *	3.01 *	2.91 *	2.79 *	2.65 *	2.50 *	2.34 *	2.17 *	2.47 *
<b>-22.5</b>	1.34 *	2.65 *	2.59 *	2.51 *	2.41 *	2.29 *	2.17 *	2.04 *	1.90 *	2.16 *
<b>-25.5</b>	1.31 *	2.60 *	2.54 *	2.46 *	2.37 *	2.26 *	2.14 *	2.01 *	1.88 *	2.14 *
<b>-29</b>	1.20 *	2.38 *	2.33 *	2.26 *	2.18 *	2.08 *	1.97 *	1.85 *	1.73 *	1.97 *
<b>-33</b>	1.02 *	2.02 *	1.98 *	1.93 *	1.85 *	1.77 *	1.67 *	1.57 *	1.47 *	1.68 *
<b>-37.5</b>	0.79 *	1.57 *	1.53 *	1.49 *	1.44 *	1.38 *	1.30 *	1.23 *	1.15 *	1.32 *
<b>-42.5</b>	0.51 *	1.02 *	1.00 *	0.98 *	0.95 *	0.91 *	0.87 *	0.83 *	0.78 *	0.91
<b>-47.5</b>	0.47	0.93	0.92	0.91	0.88	0.86	0.83	0.80	0.76	0.90
<b>-55</b>	0.32	0.63	0.63	0.62	0.61	0.59	0.58	0.56	0.54	0.64
<b>-65</b>	0.12	0.24	0.24	0.23	0.23	0.22	0.22	0.21	0.20	0.24
<b>-75</b>	0.03	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.06
<b>-85</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>-90</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	42.43	84.56	83.53	81.68	79.02	75.59	71.49	66.86	61.91	70.22

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b><u>19.5</u></b>	<b><u>22.5</u></b>	<b><u>25.5</u></b>	<b><u>29</u></b>	<b><u>33</u></b>	<b><u>37.5</u></b>	<b><u>42.5</u></b>	<b><u>47.5</u></b>	<b><u>55</u></b>	<b><u>65</u></b>
<b>90</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>85</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>75</b>	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
<b>65</b>	0.19	0.18	0.20	0.21	0.18	0.14	0.09	0.06	0.02	0.00
<b>55</b>	0.50	0.47	0.49	0.48	0.45	0.38	0.25	0.19	0.07	0.01

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : TSFL-LED-02L-50.IES**

**LUMENS TABULATION - (Cont.)**

<b>47.5</b>										
	0.62	0.56	0.57	0.55	0.52	0.45	0.32	0.26	0.10	0.01
<b>42.5</b>	0.98	0.89	0.90	0.84	0.74	0.64	0.46	0.40	0.17	0.02
<b>37.5</b>	1.39 *	1.23 *	1.25 *	1.14	0.95	0.77	0.55	0.49	0.23	0.03
<b>33</b>	1.78 *	1.54 *	1.53 *	1.39 *	1.15	0.89	0.61	0.54	0.26	0.04
<b>29</b>	2.02 *	1.73 *	1.68 *	1.51 *	1.25 *	0.96	0.64	0.55	0.27	0.04
<b>25.5</b>	2.07 *	1.78 *	1.71 *	1.53 *	1.25 *	0.96 *	0.63	0.53	0.26	0.04
<b>22.5</b>	2.39 *	2.05 *	1.98 *	1.75 *	1.43 *	1.07 *	0.70	0.59	0.29	0.05
<b>19.5</b>	2.24 *	1.92 *	1.85 *	1.63 *	1.32 *	0.98 *	0.63	0.53	0.26	0.05
<b>17</b>	1.96 *	1.67 *	1.60 *	1.42 *	1.14 *	0.84 *	0.53	0.44	0.22	0.04
<b>15</b>	2.10 *	1.79 *	1.71 *	1.51 *	1.21 *	0.88 *	0.56	0.46	0.23	0.04
<b>13</b>	2.23 *	1.89 *	1.81 *	1.60 *	1.28 *	0.93 *	0.58 *	0.48	0.24	0.04
<b>11</b>	2.36 *	1.99 *	1.90 *	1.68 *	1.34 *	0.97 *	0.60 *	0.49	0.24	0.05
<b>9</b>	2.48 *	2.09 *	1.99 *	1.74 *	1.39 *	1.00 *	0.62 *	0.50	0.25	0.05
<b>7</b>	2.58 *	2.16 *	2.06 *	1.80 *	1.44 *	1.03 *	0.63 *	0.51	0.26	0.05
<b>5</b>	2.66 *	2.23 *	2.11 *	1.85 *	1.47 *	1.06 *	0.64 *	0.52	0.26	0.05
<b>3</b>	2.72 *	2.27 *	2.15 *	1.88 *	1.50 *	1.07 *	0.65 *	0.52	0.26	0.05
<b>1</b>	1.37 *	1.15 *	1.09 *	0.95 *	0.76 *	0.54 *	0.33 *	0.26	0.13	0.03
<b>0</b>	1.38 *	1.15 *	1.09 *	0.95 *	0.76 *	0.54 *	0.33 *	0.26	0.13	0.03
<b>-1</b>	2.74 *	2.29 *	2.17 *	1.90 *	1.51 *	1.08 *	0.65 *	0.53	0.27	0.05
<b>-3</b>	2.71 *	2.26 *	2.14 *	1.88 *	1.49 *	1.07 *	0.65 *	0.53	0.27	0.05
<b>-5</b>	2.66 *	2.22 *	2.10 *	1.84 *	1.47 *	1.05 *	0.64 *	0.52	0.27	0.05
<b>-7</b>	2.58 *	2.16 *	2.05 *	1.79 *	1.43 *	1.03 *	0.63 *	0.52	0.27	0.05
<b>-9</b>	2.48 *	2.08 *	1.98 *	1.74 *	1.39 *	1.00 *	0.61 *	0.51	0.26	0.05
<b>-11</b>	2.36 *	1.99 *	1.89 *	1.67 *	1.33 *	0.96 *	0.60 *	0.50	0.26	0.05
<b>-13</b>	2.23 *	1.89 *	1.80 *	1.59 *	1.27 *	0.92 *	0.57 *	0.49	0.26	0.05
<b>-15</b>	2.10 *	1.78 *	1.70 *	1.50 *	1.20 *	0.88 *	0.55	0.47	0.25	0.05
<b>-17</b>	2.42 *	2.06 *	1.98 *	1.74 *	1.40 *	1.03 *	0.66	0.57	0.31	0.06
<b>-19.5</b>	2.61 *	2.22 *	2.14 *	1.89 *	1.53 *	1.13 *	0.74	0.65	0.35	0.07

IES FLOOD REPORT  
PHOTOMETRIC FILENAME : TSFL-LED-02L-50.IES

LUMENS TABULATION - (Cont.)

<b>-22.5</b>	2.28 *	1.95 *	1.87 *	1.66 *	1.35 *	1.02 *	0.68	0.61	0.33	0.07
<b>-25.5</b>	2.26 *	1.93 *	1.86 *	1.66 *	1.37 *	1.06	0.72	0.66	0.36	0.07
<b>-29</b>	2.09 *	1.79 *	1.73 *	1.56 *	1.32 *	1.05	0.73	0.68	0.38	0.08
<b>-33</b>	1.79 *	1.54 *	1.51 *	1.39 *	1.21	1.00	0.72	0.67	0.37	0.07
<b>-37.5</b>	1.43 *	1.25 *	1.25	1.19	1.07	0.91	0.67	0.63	0.35	0.07
<b>-42.5</b>	1.00	0.90	0.93	0.90	0.84	0.73	0.54	0.51	0.28	0.05
<b>-47.5</b>	1.01	0.92	0.97	0.97	0.91	0.81	0.60	0.55	0.30	0.06
<b>-55</b>	0.72	0.67	0.71	0.72	0.68	0.61	0.45	0.41	0.21	0.04
<b>-65</b>	0.27	0.25	0.27	0.27	0.26	0.23	0.17	0.15	0.07	0.01
<b>-75</b>	0.06	0.06	0.06	0.06	0.06	0.05	0.03	0.03	0.01	0.00
<b>-85</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>-90</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	73.84	62.98	60.79	54.34	44.64	33.73	21.92	18.75	9.58	1.82

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
<b>90</b>	0.00	0.00	0.00	
<b>85</b>	0.00	0.00	0.00	
<b>75</b>	0.00	0.00	0.11	
<b>65</b>	0.00	0.00	2.63	
<b>55</b>	0.00	0.00	7.09	
<b>47.5</b>	0.00	0.00	8.77	
<b>42.5</b>	0.00	0.00	13.92	
<b>37.5</b>	0.00	0.00	20.43	
<b>33</b>	0.00	0.00	26.38	
<b>29</b>	0.00	0.00	29.41	
<b>25.5</b>	0.00	0.00	30.09	
<b>22.5</b>	0.00	0.00	34.88	
<b>19.5</b>	0.00	0.00	32.90	
<b>17</b>	0.00	0.00	28.90	

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : TSFL-LED-02L-50.IES**

**LUMENS TABULATION - (Cont.)**

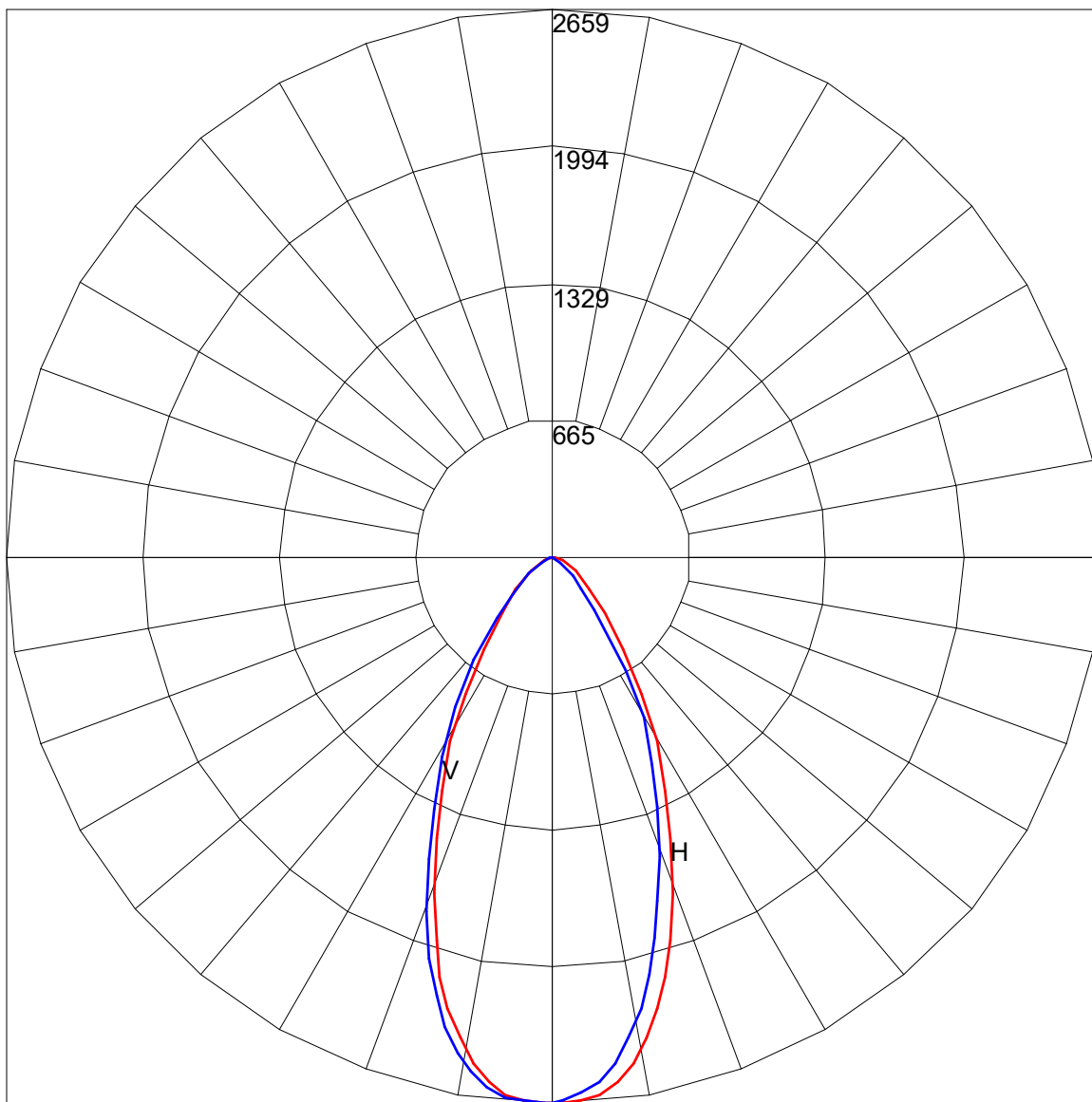
<b>15</b>	0.00	0.00	31.19
<b>13</b>	0.00	0.00	33.38
<b>11</b>	0.00	0.00	35.39
<b>9</b>	0.00	0.00	37.14
<b>7</b>	0.00	0.00	38.57
<b>5</b>	0.00	0.00	39.65
<b>3</b>	0.00	0.00	40.38
<b>1</b>	0.00	0.00	20.37
<b>0</b>	0.00	0.00	20.42
<b>-1</b>	0.00	0.00	40.75
<b>-3</b>	0.00	0.00	40.40
<b>-5</b>	0.00	0.00	39.71
<b>-7</b>	0.00	0.00	38.68
<b>-9</b>	0.00	0.00	37.29
<b>-11</b>	0.00	0.00	35.59
<b>-13</b>	0.00	0.00	33.65
<b>-15</b>	0.00	0.00	31.52
<b>-17</b>	0.00	0.00	36.25
<b>-19.5</b>	0.00	0.00	38.84
<b>-22.5</b>	0.00	0.00	33.90
<b>-25.5</b>	0.00	0.00	33.68
<b>-29</b>	0.00	0.00	31.36
<b>-33</b>	0.00	0.00	27.24
<b>-37.5</b>	0.00	0.00	22.02
<b>-42.5</b>	0.00	0.00	15.45
<b>-47.5</b>	0.00	0.00	15.37
<b>-55</b>	0.00	0.00	10.94
<b>-65</b>	0.00	0.00	4.11

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : TSFL-LED-02L-50.IES**

**LUMENS TABULATION - (Cont.)**

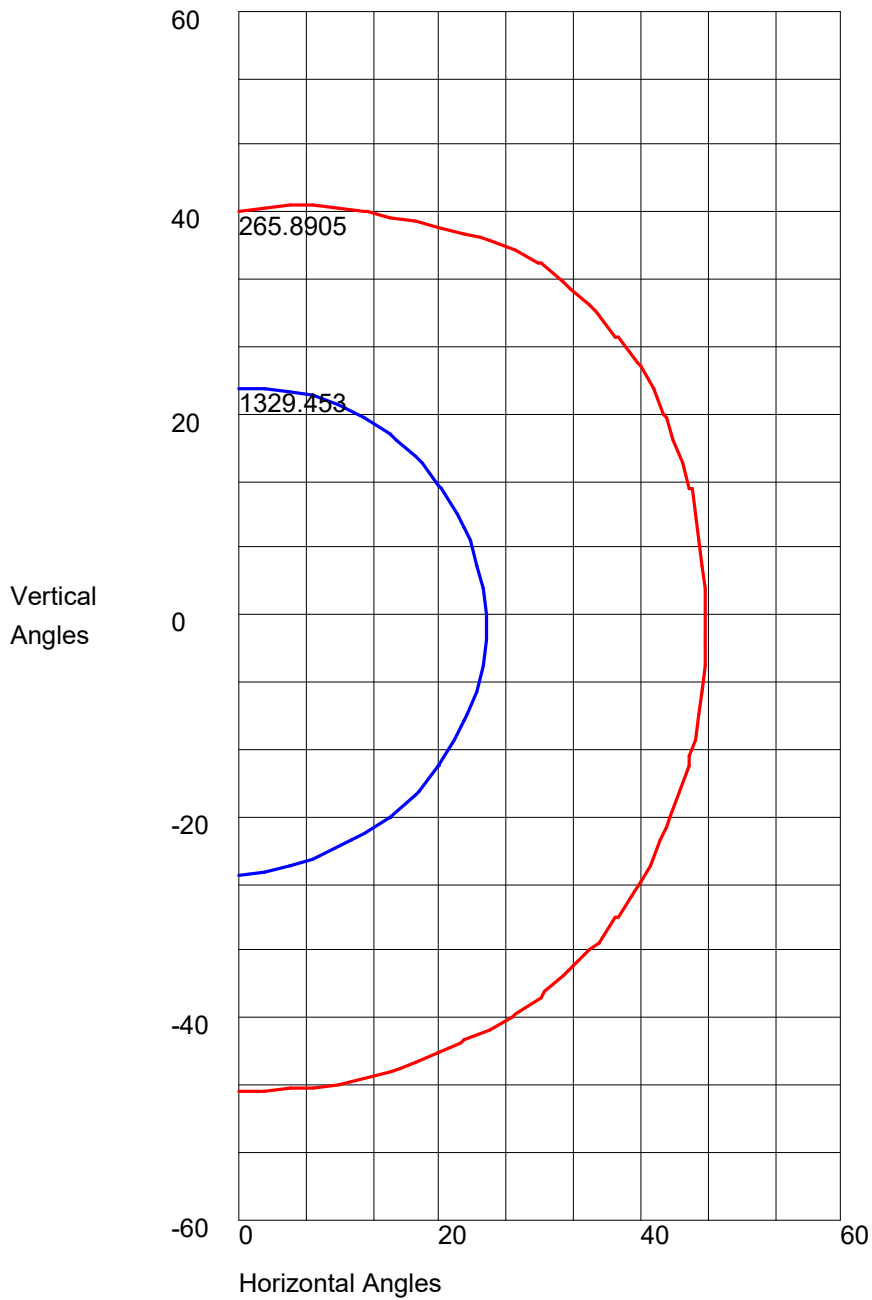
<b>-75</b>	0.00	0.00	0.94
<b>-85</b>	0.00	0.00	0.01
<b>-90</b>			
<b>Total</b>	0.08	0.00	1099.75

AXIAL CANDELA DISPLAY



Maximum Candela = 2658.905 Located At Horizontal Angle = 0, Vertical Angle = 0  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 2658.905 Located At Horizontal Angle = 0, Vertical Angle = 0  
50% Maximum Candela = 1329.4525  
10% Maximum Candela = 265.8905