



IES FLOOD REPORT

PHOTOMETRIC FILENAME : TSFL-LED-01L-W-30.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 3525

[TESTLAB] TUV SUD America

[TESTDATE] 9/18/2018 11:33:10 AM

[ISSUEDATE] 01/07/2019

[MANUFAC] LSI INDUSTRIES, INC

[LUMCAT] TSFL-LED-01L-W-30

[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	686.836
Maximum Candela Angle	0H 0V
Horizontal Beam Angle (50%)	105.6
Vertical Beam Angle (50%)	99.0
Horizontal Field Angle (10%)	141.2
Vertical Field Angle (10%)	132.7
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1309
Beam Efficiency	N.A.
Field Lumens	1608
Field Efficiency	N.A.
Spill Lumens	25
Luminaire Lumens	1633
Total Efficiency	N.A.
Total Luminaire Watts	13.91
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	0	85	0
75	13.452	75	0
65	138.773	65	5.11
55	308.217	55	141.358
47.5	427.792	47.5	304.157
42.5	493.356	42.5	410.663
37.5	538.63	37.5	471.238
33	571.538	33	569.651
29	597.848	29	596.965
25.5	618.321	25.5	617.672
22.5	633.482	22.5	632.815
19.5	646.893	19.5	645.155
17	656.332	17	654.31
15	662.578	15	660.588
13	668.225	13	666.696
11	673.151	11	671.968
9	677.134	9	675.89
7	680.203	7	678.72
5	682.635	5	681.483
3	685.204	3	683.261
1	686.44	1	685.584
0	686.836	0	686.836
-1	686.44	-1	685.988
-3	685.204	-3	684.277
-5	682.635	-5	682.523
-7	680.203	-7	680.165
-9	677.134	-9	677.096
-11	673.151	-11	673.028
-13	668.225	-13	668.009
-15	662.578	-15	662.426
-17	656.332	-17	655.583
-19.5	646.893	-19.5	645.259
-22.5	633.482	-22.5	631.432
-25.5	618.321	-25.5	615.843
-29	597.848	-29	595.543
-33	571.538	-33	571.2
-37.5	538.63	-37.5	539.246
-42.5	493.356	-42.5	496.597
-47.5	427.792	-47.5	447.849
-55	308.217	-55	313.075
-65	138.773	-65	164.748
-75	13.452	-75	34.842
-85	0	-85	1.969
-90	0	-90	.326

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CANDELA TABULATION

Maximum Candela = 686.836

Beam Edge = 343.418 Cd (50% of Max.)

Field Edge = 68.6836 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	0.002	0.004	0.000	0.000	0.002	0.015
65.0	0.000	0.000	0.000	0.074	1.030	2.658	3.983	6.820	10.420	11.878
55.0	0.000	0.000	0.147	2.313	18.729	47.756	70.597 *	86.116 *	108.002 *	125.266 *
47.5	0.000	0.000	0.450	10.216	63.084	117.338 *	161.548 *	194.222 *	234.145 *	255.029 *
42.5	0.000	0.000	1.239	21.059	103.029 *	178.545 *	224.820 *	277.380 *	313.165 *	344.923 *
37.5	0.000	0.000	2.049	36.262	142.244 *	235.163 *	292.206 *	346.385 *	397.562 *	432.538 *
33.0	0.000	0.000	2.853	53.012	179.078 *	281.291 *	342.800 *	404.420 *	457.226 *	494.440 *
29.0	0.000	0.000	4.516	68.331	208.863 *	318.689 *	384.514 *	445.316 *	493.675 *	522.223 *
25.5	0.000	0.000	5.937	81.743 *	231.253 *	347.528 *	413.528 *	473.011 *	514.226 *	539.932 *
22.5	0.000	0.000	7.117	91.538 *	248.282 *	365.700 *	434.124 *	492.029 *	528.587 *	553.726 *
19.5	0.000	0.000	8.248	101.542 *	262.891 *	381.889 *	449.407 *	505.700 *	540.875 *	565.635 *
17.0	0.000	0.000	9.145	109.040 *	273.014 *	393.397 *	460.628 *	514.834 *	549.226 *	574.023 *
15.0	0.000	0.000	9.826	114.478 *	280.224 *	401.027 *	468.261 *	521.190 *	554.822 *	579.945 *
13.0	0.000	0.000	10.470	119.410 *	286.632 *	407.720 *	474.804 *	525.917 *	559.498 *	585.003 *
11.0	0.000	0.000	11.073	123.829 *	292.226 *	413.461 *	480.371 *	529.936 *	563.321 *	589.155 *
9.0	0.000	0.000	11.631	127.729 *	296.998 *	418.241 *	484.951 *	533.224 *	566.398 *	592.587 *
7.0	0.000	0.000	12.138	131.107 *	300.943 *	422.053 *	488.538 *	535.764 *	568.799 *	595.085 *
5.0	0.000	0.000	12.800	133.958 *	304.058 *	424.895 *	491.135 *	537.543 *	570.497 *	596.752 *
3.0	0.000	0.000	13.060	136.879 *	307.270 *	427.838 *	493.817 *	538.554 *	571.469 *	597.741 *
1.0	0.000	0.000	13.321	138.141 *	307.901 *	427.807 *	493.510 *	538.891 *	571.702 *	598.003 *
0.0	0.000	0.000	13.452	138.773 *	308.217 *	427.792 *	493.356 *	538.630 *	571.538 *	597.848 *
-1.0	0.000	0.000	13.720	139.539 *	309.052 *	428.364 *	493.411 *	538.574 *	571.440 *	597.745 *
-3.0	0.000	0.002	14.256	141.070 *	310.719 *	429.505 *	493.522 *	537.610 *	570.678 *	596.956 *
-5.0	0.000	0.003	14.791	140.953 *	309.840 *	427.811 *	490.863 *	535.996 *	569.160 *	595.405 *
-7.0	0.000	0.004	14.853	140.906 *	309.077 *	426.312 *	488.450 *	533.654 *	566.890 *	593.121 *
-9.0	0.000	0.005	15.058	140.339 *	307.520 *	424.017 *	485.329 *	530.604 *	563.881 *	590.013 *
-11.0	0.000	0.006	15.166	139.258 *	305.185 *	420.972 *	481.571 *	526.872 *	560.151 *	586.057 *
-13.0	0.000	0.007	15.172	137.668 *	302.085 *	417.224 *	477.243 *	522.485 *	555.616 *	581.406 *
-15.0	0.000	0.008	15.070	135.576 *	298.237 *	412.819 *	472.411 *	517.476 *	550.140 *	575.848 *
-17.0	0.000	0.009	14.855	132.990 *	293.658 *	407.804 *	466.835 *	511.278 *	543.951 *	569.261 *
-19.5	0.000	0.010	14.424	129.074 *	286.939 *	399.658 *	458.205 *	502.665 *	535.284 *	560.159 *
-22.5	0.000	0.011	13.655	123.398 *	277.599 *	387.749 *	446.829 *	490.926 *	523.178 *	547.742 *
-25.5	0.000	0.012	12.604	117.898 *	267.007 *	374.412 *	432.822 *	477.454 *	509.353 *	533.868 *
-29.0	0.000	0.012	11.008	108.568 *	253.144 *	355.654 *	414.926 *	458.875 *	491.183 *	515.989 *
-33.0	0.000	0.012	8.689	97.588 *	234.494 *	332.129 *	389.880 *	434.753 *	467.233 *	491.039 *
-37.5	0.000	0.012	7.322	83.650 *	209.735 *	303.895 *	359.168 *	404.546 *	436.292 *	459.435 *
-42.5	0.000	0.011	5.448	66.428	176.262 *	261.023 *	319.837 *	367.264 *	398.295 *	419.641 *
-47.5	0.000	0.009	3.085	49.622	142.977 *	210.748 *	265.525 *	323.019 *	346.144 *	363.620 *
-55.0	0.000	0.004	1.632	26.952	88.899 *	145.076 *	177.718 *	208.685 *	240.865 *	264.159 *
-65.0	0.000	0.000	0.374	6.330	29.270	56.761	76.136 *	90.595 *	107.157 *	122.600 *
-75.0	0.000	0.000	0.052	0.672	3.300	6.577	11.149	14.141	16.039	19.477
-85.0	0.000	0.000	0.000	0.000	0.060	0.200	0.373	0.609	0.822	1.009
-90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.071	0.114	0.152

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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	0.014	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	11.070	10.058	9.318	10.045	10.272	10.215	9.905	9.373	8.650	7.771
55.0	136.894 *	146.104 *	153.706 *	157.002 *	158.524 *	159.126 *	158.814 *	157.598 *	155.491 *	152.509 *
47.5	268.196 *	280.601 *	289.099 *	292.807 *	296.068 *	299.335 *	302.422 *	305.070 *	307.008 *	307.959 *
42.5	363.127 *	375.152 *	385.221 *	391.538 *	392.402 *	394.125 *	397.086 *	400.769 *	404.616 *	408.039 *
37.5	450.488 *	457.373 *	465.395 *	474.868 *	483.455 *	491.177 *	495.397 *	496.569 *	494.923 *	490.732 *
33.0	505.972 *	518.554 *	536.460 *	547.252 *	553.850 *	559.983 *	563.721 *	566.366 *	568.393 *	569.733 *
29.0	539.710 *	553.478 *	566.062 *	574.882 *	581.183 *	586.425 *	590.922 *	593.887 *	595.971 *	597.210 *
25.5	558.896 *	573.242 *	585.490 *	594.331 *	600.588 *	606.187 *	611.215 *	614.659 *	616.754 *	618.049 *
22.5	572.877 *	587.273 *	599.621 *	608.739 *	615.261 *	621.122 *	626.375 *	630.562 *	632.530 *	633.676 *
19.5	584.870 *	599.277 *	611.973 *	621.365 *	627.926 *	633.648 *	638.911 *	643.198 *	645.946 *	646.824 *
17.0	593.572 *	607.838 *	620.790 *	629.934 *	636.557 *	642.414 *	647.779 *	652.077 *	655.587 *	656.456 *
15.0	599.428 *	613.801 *	626.808 *	636.052 *	642.561 *	648.795 *	654.024 *	658.529 *	661.704 *	663.097 *
13.0	604.402 *	619.033 *	631.908 *	641.307 *	648.251 *	654.368 *	659.547 *	663.571 *	666.962 *	668.971 *
11.0	608.670 *	623.563 *	636.468 *	646.089 *	652.926 *	659.012 *	663.860 *	667.924 *	671.198 *	673.504 *
9.0	612.056 *	627.025 *	640.149 *	649.829 *	656.908 *	662.537 *	667.435 *	671.716 *	674.627 *	676.870 *
7.0	614.750 *	629.801 *	643.081 *	652.794 *	659.569 *	665.444 *	670.272 *	674.219 *	677.465 *	679.312 *
5.0	616.732 *	631.846 *	645.278 *	654.989 *	661.517 *	667.275 *	672.194 *	676.156 *	678.869 *	681.111 *
3.0	617.960 *	633.112 *	646.533 *	656.172 *	662.590 *	668.234 *	673.115 *	677.069 *	679.794 *	682.237 *
1.0	618.402 *	633.670 *	646.968 *	656.464 *	662.898 *	668.434 *	673.334 *	677.260 *	680.250 *	682.913 *
0.0	618.321 *	633.482 *	646.893 *	656.332 *	662.578 *	668.225 *	673.151 *	677.134 *	680.203 *	682.635 *
-1.0	618.277 *	633.498 *	646.679 *	656.069 *	662.595 *	668.153 *	673.015 *	676.941 *	680.031 *	682.766 *
-3.0	617.565 *	632.612 *	645.697 *	654.954 *	661.629 *	667.372 *	672.184 *	676.038 *	679.075 *	681.680 *
-5.0	615.999 *	631.061 *	643.970 *	652.962 *	659.774 *	665.781 *	670.797 *	674.732 *	677.763 *	680.161 *
-7.0	613.575 *	628.800 *	641.389 *	650.219 *	656.967 *	663.441 *	668.591 *	672.689 *	676.079 *	677.685 *
-9.0	610.301 *	625.897 *	638.129 *	647.042 *	653.548 *	659.798 *	665.174 *	669.879 *	672.581 *	674.624 *
-11.0	606.186 *	622.004 *	633.919 *	643.044 *	649.364 *	655.358 *	660.758 *	664.972 *	668.212 *	670.302 *
-13.0	601.004 *	616.211 *	628.673 *	637.668 *	644.440 *	650.158 *	655.136 *	659.321 *	662.741 *	664.970 *
-15.0	595.208 *	609.773 *	622.711 *	631.610 *	638.011 *	644.047 *	648.717 *	652.783 *	655.943 *	658.788 *
-17.0	588.706 *	602.839 *	615.611 *	624.425 *	631.008 *	636.691 *	641.729 *	645.507 *	648.522 *	651.638 *
-19.5	579.200 *	593.564 *	605.531 *	614.735 *	621.203 *	626.774 *	631.711 *	635.559 *	638.833 *	641.712 *
-22.5	566.351 *	580.480 *	592.912 *	601.583 *	607.853 *	613.389 *	618.172 *	621.984 *	625.496 *	628.232 *
-25.5	552.089 *	565.686 *	577.944 *	587.121 *	593.206 *	598.457 *	603.134 *	606.987 *	610.226 *	612.782 *
-29.0	533.463 *	546.625 *	558.215 *	566.745 *	572.912 *	578.257 *	583.037 *	587.344 *	590.578 *	592.911 *
-33.0	508.464 *	521.681 *	533.278 *	541.247 *	546.812 *	551.757 *	556.787 *	561.149 *	564.729 *	567.528 *
-37.5	476.764 *	489.586 *	500.551 *	508.570 *	514.297 *	519.466 *	524.377 *	528.649 *	532.252 *	535.159 *
-42.5	436.139 *	448.829 *	459.543 *	467.383 *	472.860 *	478.139 *	482.798 *	486.817 *	490.179 *	492.870 *
-47.5	383.640 *	396.548 *	409.505 *	418.833 *	424.493 *	429.646 *	434.247 *	438.254 *	441.625 *	444.319 *
-55.0	276.068 *	282.132 *	284.631 *	289.542 *	294.425 *	298.737 *	302.480 *	305.655 *	308.267 *	310.321 *
-65.0	135.995 *	140.148 *	144.560 *	148.590 *	151.590 *	154.360 *	156.870 *	159.091 *	160.995 *	162.553 *
-75.0	22.155	24.182	26.460	28.284	29.603	30.790	31.837	32.739	33.490	34.621
-85.0	1.172	1.310	1.411	1.492	1.555	1.616	1.706	1.754	1.802	1.850
-90.0	0.185	0.214	0.229	0.241	0.251	0.261	0.271	0.281	0.291	0.301

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	6.829	5.683	5.110	5.683	6.829	7.771	8.650	9.373	9.905	10.215

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55.0	149.577	* 144.099	* 141.358	* 144.099	* 149.577	* 152.509	* 155.491	* 157.598	* 158.814	* 159.126	*
47.5	309.701	* 306.006	* 304.157	* 306.006	* 309.701	* 307.959	* 307.008	* 305.070	* 302.422	* 299.335	*
42.5	413.008	* 411.446	* 410.663	* 411.446	* 413.008	* 408.039	* 404.616	* 400.769	* 397.086	* 394.125	*
37.5	484.307	* 476.165	* 471.238	* 476.165	* 484.307	* 490.732	* 494.923	* 496.569	* 495.397	* 491.177	*
33.0	570.321	* 570.091	* 569.651	* 570.091	* 570.321	* 569.733	* 568.393	* 566.366	* 563.721	* 559.983	*
29.0	597.697	* 597.407	* 596.965	* 597.407	* 597.697	* 597.210	* 595.971	* 593.887	* 590.922	* 586.425	*
25.5	618.522	* 618.163	* 617.672	* 618.163	* 618.522	* 618.049	* 616.754	* 614.659	* 611.215	* 606.187	*
22.5	633.973	* 633.517	* 632.815	* 633.517	* 633.973	* 633.676	* 632.530	* 630.566	* 626.375	* 621.122	*
19.5	646.752	* 645.876	* 645.155	* 645.876	* 646.752	* 646.824	* 645.946	* 643.198	* 638.911	* 633.648	*
17.0	656.233	* 655.136	* 654.310	* 655.136	* 656.233	* 656.456	* 655.587	* 652.077	* 647.779	* 642.414	*
15.0	662.740	* 661.620	* 660.588	* 661.620	* 662.740	* 663.097	* 661.704	* 658.529	* 654.024	* 648.795	*
13.0	668.591	* 667.533	* 666.696	* 667.533	* 668.591	* 668.971	* 666.962	* 663.571	* 659.547	* 654.368	*
11.0	673.598	* 672.699	* 671.968	* 672.699	* 673.598	* 673.504	* 671.198	* 667.924	* 663.860	* 659.012	*
9.0	677.676	* 676.664	* 675.890	* 676.664	* 677.676	* 676.870	* 674.627	* 671.716	* 667.435	* 662.537	*
7.0	680.883	* 679.709	* 678.720	* 679.709	* 680.883	* 679.312	* 677.465	* 674.219	* 670.272	* 665.444	*
5.0	682.950	* 682.922	* 681.483	* 682.922	* 682.950	* 681.111	* 678.869	* 676.156	* 672.194	* 667.275	*
3.0	684.008	* 685.709	* 683.261	* 685.709	* 684.007	* 682.237	* 679.794	* 677.069	* 673.115	* 668.234	*
1.0	684.721	* 686.088	* 685.584	* 686.088	* 684.721	* 682.913	* 680.250	* 677.260	* 673.334	* 668.434	*
0.0	685.204	* 686.440	* 686.836	* 686.440	* 685.204	* 682.635	* 680.203	* 677.134	* 673.151	* 668.225	*
-1.0	685.174	* 686.082	* 685.988	* 686.082	* 685.174	* 682.766	* 680.031	* 676.941	* 673.015	* 668.153	*
-3.0	683.533	* 684.472	* 684.277	* 684.472	* 683.533	* 681.680	* 679.075	* 676.038	* 672.184	* 667.372	*
-5.0	681.425	* 682.472	* 682.523	* 682.472	* 681.425	* 680.161	* 677.763	* 674.732	* 670.797	* 665.781	*
-7.0	678.813	* 679.893	* 680.165	* 679.893	* 678.813	* 677.685	* 676.079	* 672.689	* 668.591	* 663.441	*
-9.0	675.905	* 676.863	* 677.096	* 676.863	* 675.905	* 674.624	* 672.581	* 669.879	* 665.174	* 659.798	*
-11.0	671.851	* 672.838	* 673.028	* 672.838	* 671.851	* 670.302	* 668.212	* 664.972	* 660.758	* 655.358	*
-13.0	666.840	* 667.838	* 668.009	* 667.838	* 666.840	* 664.970	* 662.741	* 659.321	* 655.136	* 650.158	*
-15.0	660.985	* 662.298	* 662.426	* 662.298	* 660.985	* 658.788	* 655.943	* 652.783	* 648.717	* 644.047	*
-17.0	653.904	* 655.230	* 655.583	* 655.230	* 653.904	* 651.638	* 648.522	* 645.507	* 641.729	* 636.691	*
-19.5	643.735	* 644.955	* 645.259	* 644.955	* 643.735	* 641.712	* 638.833	* 635.559	* 631.711	* 626.774	*
-22.5	630.149	* 631.327	* 631.432	* 631.327	* 630.149	* 628.232	* 625.496	* 621.985	* 618.172	* 613.389	*
-25.5	614.600	* 615.633	* 615.843	* 615.633	* 614.600	* 612.782	* 610.226	* 606.987	* 603.134	* 598.457	*
-29.0	594.519	* 595.388	* 595.543	* 595.388	* 594.519	* 592.911	* 590.578	* 587.344	* 583.037	* 578.257	*
-33.0	569.557	* 570.835	* 571.200	* 570.835	* 569.557	* 567.528	* 564.729	* 561.149	* 556.787	* 551.757	*
-37.5	537.348	* 538.894	* 539.246	* 538.894	* 537.348	* 535.159	* 532.252	* 528.649	* 524.377	* 519.466	*
-42.5	495.659	* 496.284	* 496.597	* 496.284	* 495.659	* 492.870	* 490.179	* 486.817	* 482.798	* 478.139	*
-47.5	447.183	* 447.627	* 447.849	* 447.627	* 447.183	* 444.319	* 441.625	* 438.254	* 434.247	* 429.646	*
-55.0	312.421	* 312.857	* 313.075	* 312.857	* 312.421	* 310.321	* 308.267	* 305.655	* 302.480	* 298.737	*
-65.0	164.219	* 164.572	* 164.748	* 164.572	* 164.219	* 162.553	* 160.995	* 159.091	* 156.870	* 154.360	*
-75.0	34.710	34.798	34.842	34.798	34.710	34.621	33.490	32.739	31.837	30.790	
-85.0	1.897	1.945	1.969	1.945	1.897	1.850	1.802	1.754	1.706	1.616	
-90.0	0.311	0.321	0.326	0.321	0.311	0.301	0.291	0.281	0.271	0.261	

Vert. Horizontal Angles
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	0.003	0.014	0.015	0.002	0.000	0.000	0.004
65.0	10.272	10.045	9.318	10.058	11.070	11.878	10.420	6.820	3.983	2.658
55.0	158.524	* 157.002	* 153.706	* 146.104	* 136.894	* 125.266	* 108.002	* 86.116	* 70.597	* 47.756
47.5	296.068	* 292.880	* 289.099	* 280.601	* 268.196	* 255.029	* 234.145	* 194.222	* 161.548	* 117.338
42.5	392.402	* 391.538	* 385.221	* 375.152	* 363.127	* 344.923	* 313.165	* 277.380	* 224.820	* 178.545
37.5	483.455	* 474.868	* 465.395	* 457.373	* 450.488	* 432.538	* 397.562	* 346.385	* 292.206	* 235.163
33.0	553.850	* 547.252	* 536.460	* 518.554	* 505.972	* 494.440	* 457.226	* 404.420	* 342.800	* 281.291
29.0	581.183	* 574.882	* 566.062	* 553.478	* 539.710	* 522.223	* 493.675	* 445.316	* 384.514	* 318.689
25.5	600.588	* 594.331	* 585.490	* 573.242	* 558.896	* 539.932	* 514.226	* 473.011	* 413.528	* 347.528

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TSFL-LED-01L-W-30.IES

CANDELA TABULATION - (Cont.)

22.5	615.261 *	608.739 *	599.621 *	587.273 *	572.877 *	553.726 *	528.587 *	492.029 *	434.124 *	365.700 *
19.5	627.926 *	621.365 *	611.973 *	599.277 *	584.870 *	565.635 *	540.875 *	505.700 *	449.407 *	381.889 *
17.0	636.557 *	629.934 *	620.790 *	607.838 *	593.572 *	574.023 *	549.226 *	514.834 *	460.628 *	393.397 *
15.0	642.561 *	636.052 *	626.808 *	613.801 *	599.428 *	579.945 *	554.822 *	521.190 *	468.261 *	401.027 *
13.0	648.251 *	641.307 *	631.908 *	619.033 *	604.402 *	585.003 *	559.498 *	525.917 *	474.804 *	407.720 *
11.0	652.926 *	646.089 *	636.468 *	623.563 *	608.670 *	589.155 *	563.321 *	529.936 *	480.371 *	413.461 *
9.0	656.908 *	649.829 *	640.149 *	627.025 *	612.056 *	592.587 *	566.398 *	533.224 *	484.951 *	418.241 *
7.0	659.569 *	652.794 *	643.081 *	629.801 *	614.750 *	595.085 *	568.799 *	535.764 *	488.538 *	422.053 *
5.0	661.517 *	654.989 *	645.278 *	631.846 *	616.732 *	596.752 *	570.497 *	537.543 *	491.135 *	424.895 *
3.0	662.590 *	656.172 *	646.533 *	633.112 *	617.960 *	597.741 *	571.469 *	538.554 *	493.817 *	427.838 *
1.0	662.898 *	656.464 *	646.968 *	633.670 *	618.402 *	598.003 *	571.702 *	538.891 *	493.510 *	427.807 *
0.0	662.578 *	656.332 *	646.893 *	633.482 *	618.321 *	597.848 *	571.538 *	538.630 *	493.356 *	427.792 *
-1.0	662.595 *	656.069 *	646.679 *	633.498 *	618.277 *	597.745 *	571.440 *	538.574 *	493.411 *	428.364 *
-3.0	661.629 *	654.954 *	645.697 *	632.612 *	617.565 *	596.956 *	570.678 *	537.610 *	493.522 *	429.505 *
-5.0	659.774 *	652.962 *	643.970 *	631.061 *	615.999 *	595.405 *	569.160 *	535.996 *	490.863 *	427.811 *
-7.0	656.967 *	650.219 *	641.389 *	628.800 *	613.575 *	593.121 *	566.890 *	533.654 *	488.450 *	426.312 *
-9.0	653.548 *	647.042 *	638.129 *	625.897 *	610.301 *	590.013 *	563.881 *	530.604 *	485.329 *	424.017 *
-11.0	649.364 *	643.044 *	633.919 *	622.004 *	606.186 *	586.057 *	560.151 *	526.872 *	481.571 *	420.972 *
-13.0	644.440 *	637.668 *	628.673 *	616.211 *	601.004 *	581.406 *	555.616 *	522.485 *	477.243 *	417.224 *
-15.0	638.011 *	631.610 *	622.711 *	609.773 *	595.208 *	575.848 *	550.140 *	517.476 *	472.411 *	412.819 *
-17.0	631.008 *	624.425 *	615.611 *	602.839 *	588.706 *	569.261 *	543.951 *	511.278 *	466.835 *	407.804 *
-19.5	621.203 *	614.735 *	605.531 *	593.564 *	579.200 *	560.159 *	535.284 *	502.665 *	458.205 *	399.658 *
-22.5	607.853 *	601.583 *	592.912 *	580.480 *	566.351 *	547.742 *	523.178 *	490.926 *	446.829 *	387.749 *
-25.5	593.206 *	587.121 *	577.944 *	565.686 *	552.089 *	533.868 *	509.353 *	477.454 *	432.822 *	374.412 *
-29.0	572.912 *	566.745 *	558.215 *	546.625 *	533.463 *	515.989 *	491.183 *	458.875 *	414.926 *	355.654 *
-33.0	546.812 *	541.247 *	533.278 *	521.681 *	508.464 *	491.039 *	467.233 *	434.753 *	389.880 *	332.129 *
-37.5	514.297 *	508.570 *	500.551 *	489.586 *	476.764 *	459.435 *	436.292 *	404.546 *	359.168 *	303.895 *
-42.5	472.860 *	467.383 *	459.543 *	448.829 *	436.139 *	419.641 *	398.295 *	367.264 *	319.837 *	261.023 *
-47.5	424.493 *	418.830 *	409.505 *	396.548 *	383.640 *	363.620 *	346.144 *	323.019 *	265.525 *	210.748 *
-55.0	294.425 *	289.542 *	284.631 *	282.132 *	276.068 *	264.159 *	240.865 *	208.685 *	177.718 *	145.076 *
-65.0	151.590 *	148.590 *	144.560 *	140.148 *	135.995 *	122.600 *	107.157 *	90.595 *	76.136 *	56.761
-75.0	29.603	28.284	26.460	24.182	22.155	19.477	16.039	14.141	11.149	6.577
-85.0	1.555	1.492	1.411	1.312	1.172	1.009	0.822	0.609	0.373	0.200
-90.0	0.251	0.241	0.229	0.214	0.185	0.152	0.114	0.071	0.024	0.000

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	0.000	0.000	0.000
75.0	0.002	0.000	0.000	0.000	0.000
65.0	1.030	0.074	0.000	0.000	0.000
55.0	18.729	2.313	0.147	0.000	0.000
47.5	63.084	10.216	0.450	0.000	0.000
42.5	103.029 *	21.059	1.239	0.000	0.000
37.5	142.244 *	36.262	2.049	0.000	0.000
33.0	179.078 *	53.012	2.853	0.000	0.000
29.0	208.863 *	68.331	4.516	0.000	0.000
25.5	231.253 *	81.743 *	5.937	0.000	0.000
22.5	248.282 *	91.538 *	7.117	0.000	0.000
19.5	262.891 *	101.542 *	8.248	0.000	0.000
17.0	273.014 *	109.040 *	9.145	0.000	0.000
15.0	280.224 *	114.478 *	9.826	0.000	0.000
13.0	286.632 *	119.410 *	10.470	0.000	0.000
11.0	292.226 *	123.829 *	11.073	0.000	0.000
9.0	296.998 *	127.729 *	11.631	0.000	0.000

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	300.943 *	131.107 *	12.138	0.000	0.000
5.0	304.058 *	133.958 *	12.800	0.000	0.000
3.0	307.270 *	136.879 *	13.060	0.000	0.000
1.0	307.901 *	138.141 *	13.321	0.000	0.000
0.0	308.217 *	138.773 *	13.452	0.000	0.000
-1.0	309.052 *	139.539 *	13.720	0.001	0.000
-3.0	310.719 *	141.070 *	14.256	0.002	0.000
-5.0	309.840 *	140.953 *	14.791	0.003	0.000
-7.0	309.077 *	140.906 *	14.853	0.004	0.000
-9.0	307.520 *	140.339 *	15.058	0.005	0.000
-11.0	305.185 *	139.258 *	15.166	0.006	0.000
-13.0	302.085 *	137.668 *	15.172	0.007	0.000
-15.0	298.237 *	135.576 *	15.070	0.008	0.000
-17.0	293.658 *	132.990 *	14.855	0.009	0.000
-19.5	286.939 *	129.074 *	14.424	0.010	0.000
-22.5	277.599 *	123.398 *	13.655	0.011	0.000
-25.5	267.007 *	117.898 *	12.604	0.012	0.000
-29.0	253.144 *	108.568 *	11.008	0.012	0.000
-33.0	234.494 *	97.588 *	8.689	0.012	0.000
-37.5	209.735 *	83.650 *	7.322	0.012	0.000
-42.5	176.262 *	66.428	5.448	0.011	0.000
-47.5	142.977 *	49.622	3.085	0.009	0.000
-55.0	88.899 *	26.952	1.632	0.004	0.000
-65.0	29.270	6.330	0.374	0.000	0.000
-75.0	3.300	0.672	0.052	0.000	0.000
-85.0	0.060	0.000	0.000	0.000	0.000
-90.0	0.000	0.000	0.000	0.000	0.000

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TSFL-LED-01L-W-30.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 816.71

Total Field Lumens (one side of beam only) = 804.02

* 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	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.04
55	0.23 *	0.47 *	0.48 *	0.49 *	0.50 *	0.50 *	0.50 *	0.50 *	0.49 *	0.60 *
47.5	0.51 *	1.04 *	1.05 *	1.05 *	1.05 *	1.04 *	1.03 *	1.01 *	0.99 *	1.21 *
42.5	0.55 *	1.10 *	1.09 *	1.08 *	1.07 *	1.05 *	1.04 *	1.02 *	1.00 *	1.23 *
37.5	0.67 *	1.36 *	1.36 *	1.36 *	1.36 *	1.34 *	1.32 *	1.30 *	1.28 *	1.55 *
33	0.72 *	1.44 *	1.45 *	1.45 *	1.44 *	1.43 *	1.41 *	1.39 *	1.36 *	1.65 *
29	0.71 *	1.42 *	1.42 *	1.41 *	1.40 *	1.39 *	1.37 *	1.35 *	1.32 *	1.61 *
25.5	0.65 *	1.30 *	1.29 *	1.29 *	1.28 *	1.27 *	1.25 *	1.23 *	1.20 *	1.47 *
22.5	0.57 *	1.14 *	1.14 *	1.14 *	1.13 *	1.12 *	1.10 *	1.08 *	1.06 *	1.30 *
19.5	0.58 *	1.17 *	1.17 *	1.16 *	1.15 *	1.14 *	1.13 *	1.11 *	1.09 *	1.32 *
17	0.50 *	0.99 *	0.99 *	0.99 *	0.98 *	0.97 *	0.95 *	0.94 *	0.92 *	1.12 *
15	0.40 *	0.80 *	0.80 *	0.80 *	0.79 *	0.78 *	0.77 *	0.76 *	0.75 *	0.91 *
13	0.40 *	0.81 *	0.81 *	0.81 *	0.80 *	0.79 *	0.78 *	0.77 *	0.75 *	0.92 *
11	0.41 *	0.82 *	0.82 *	0.81 *	0.81 *	0.80 *	0.79 *	0.77 *	0.76 *	0.92 *
9	0.41 *	0.82 *	0.82 *	0.82 *	0.81 *	0.80 *	0.79 *	0.78 *	0.76 *	0.93 *
7	0.41 *	0.83 *	0.82 *	0.82 *	0.81 *	0.81 *	0.79 *	0.78 *	0.77 *	0.94 *
5	0.41 *	0.83 *	0.83 *	0.82 *	0.82 *	0.81 *	0.80 *	0.78 *	0.77 *	0.94 *
3	0.42 *	0.83 *	0.83 *	0.82 *	0.82 *	0.81 *	0.80 *	0.79 *	0.77 *	0.94 *
1	0.42 *	0.83 *	0.83 *	0.83 *	0.82 *	0.81 *	0.80 *	0.79 *	0.77 *	0.94 *
0	0.21 *	0.42 *	0.42 *	0.41 *	0.41 *	0.41 *	0.40 *	0.39 *	0.39 *	0.47 *
-1	0.21 *	0.42 *	0.42 *	0.41 *	0.41 *	0.41 *	0.40 *	0.39 *	0.39 *	0.47 *
	0.42 *	0.83 *	0.83 *	0.83 *	0.82 *	0.81 *	0.80 *	0.79 *	0.77 *	0.94 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TSFL-LED-01L-W-30.IES

LUMENS TABULATION - (Cont.)

-3	0.42 *	0.83 *	0.83 *	0.82 *	0.82 *	0.81 *	0.80 *	0.78 *	0.77 *	0.94 *
-5	0.42 *	0.83 *	0.83 *	0.82 *	0.81 *	0.81 *	0.80 *	0.78 *	0.77 *	0.94 *
-7	0.41 *	0.83 *	0.82 *	0.82 *	0.81 *	0.80 *	0.79 *	0.78 *	0.76 *	0.93 *
-9	0.41 *	0.82 *	0.82 *	0.81 *	0.81 *	0.80 *	0.79 *	0.77 *	0.76 *	0.93 *
-11	0.41 *	0.82 *	0.81 *	0.81 *	0.80 *	0.79 *	0.78 *	0.77 *	0.75 *	0.92 *
-13	0.41 *	0.81 *	0.81 *	0.80 *	0.79 *	0.78 *	0.77 *	0.76 *	0.75 *	0.91 *
-15	0.40 *	0.80 *	0.80 *	0.79 *	0.79 *	0.78 *	0.77 *	0.75 *	0.74 *	0.90 *
-17	0.50 *	0.99 *	0.98 *	0.98 *	0.97 *	0.96 *	0.94 *	0.93 *	0.91 *	1.11 *
-19.5	0.58 *	1.16 *	1.16 *	1.15 *	1.14 *	1.13 *	1.11 *	1.09 *	1.07 *	1.31 *
-22.5	0.57 *	1.14 *	1.13 *	1.13 *	1.12 *	1.10 *	1.09 *	1.07 *	1.05 *	1.28 *
-25.5	0.65 *	1.29 *	1.28 *	1.28 *	1.26 *	1.25 *	1.23 *	1.21 *	1.19 *	1.45 *
-29	0.71 *	1.42 *	1.41 *	1.40 *	1.39 *	1.37 *	1.35 *	1.33 *	1.30 *	1.59 *
-33	0.76 *	1.52 *	1.51 *	1.50 *	1.48 *	1.47 *	1.44 *	1.42 *	1.39 *	1.70 *
-37.5	0.79 *	1.57 *	1.57 *	1.55 *	1.54 *	1.52 *	1.49 *	1.47 *	1.44 *	1.75 *
-42.5	0.72 *	1.44 *	1.43 *	1.42 *	1.40 *	1.38 *	1.36 *	1.33 *	1.31 *	1.59 *
-47.5	0.87 *	1.74 *	1.73 *	1.71 *	1.69 *	1.67 *	1.64 *	1.60 *	1.57 *	1.90 *
-55	0.73 *	1.45 *	1.44 *	1.43 *	1.41 *	1.39 *	1.36 *	1.33 *	1.29 *	1.57 *
-65	0.30 *	0.61 *	0.60 *	0.59 *	0.58 *	0.57 *	0.56 *	0.54 *	0.52 *	0.63 *
-75	0.06	0.11	0.11	0.11	0.11	0.10	0.10	0.09	0.09	0.10
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	19.91	39.85	39.76	39.54	39.21	38.78	38.23	37.57	36.83	44.86

Vert. 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	0.04	0.04	0.05	0.06	0.05	0.03	0.02	0.01	0.00	0.00
65	0.68 *	0.63 *	0.68 *	0.67	0.59	0.49	0.34	0.25	0.08	0.01
55	1.39 *	1.30 *	1.40 *	1.41 *	1.31 *	1.12 *	0.80 *	0.66	0.27	0.03

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5										
	1.42 *	1.34 *	1.46 *	1.50 *	1.43 *	1.25 *	0.92 *	0.83 *	0.38	0.04
42.5										
	1.79 *	1.72 *	1.88 *	1.94 *	1.87 *	1.66 *	1.25 *	1.18 *	0.58 *	0.08
37.5										
	1.90 *	1.81 *	2.01 *	2.09 *	2.02 *	1.82 *	1.39 *	1.35 *	0.70 *	0.11
33										
	1.86 *	1.77 *	1.95 *	2.05 *	2.02 *	1.84 *	1.43 *	1.41 *	0.77 *	0.13
29										
	1.70 *	1.63 *	1.79 *	1.89 *	1.89 *	1.75 *	1.38 *	1.38 *	0.79 *	0.15
25.5										
	1.50 *	1.44 *	1.58 *	1.67 *	1.69 *	1.59 *	1.26 *	1.28 *	0.74 *	0.15
22.5										
	1.53 *	1.47 *	1.62 *	1.71 *	1.74 *	1.65 *	1.32 *	1.35 *	0.80 *	0.16
19.5										
	1.30 *	1.24 *	1.37 *	1.46 *	1.48 *	1.41 *	1.13 *	1.17 *	0.71 *	0.15
17										
	1.05 *	1.01 *	1.11 *	1.18 *	1.20 *	1.15 *	0.93 *	0.96 *	0.59 *	0.13
15										
	1.06 *	1.02 *	1.12 *	1.19 *	1.21 *	1.16 *	0.94 *	0.98 *	0.61 *	0.13
13										
	1.07 *	1.02 *	1.13 *	1.20 *	1.22 *	1.17 *	0.96 *	1.00 *	0.63 *	0.14
11										
	1.08 *	1.03 *	1.14 *	1.21 *	1.23 *	1.18 *	0.97 *	1.02 *	0.64 *	0.14
9										
	1.08 *	1.04 *	1.14 *	1.21 *	1.23 *	1.19 *	0.98 *	1.03 *	0.65 *	0.15 *
7										
	1.09 *	1.04 *	1.15 *	1.22 *	1.24 *	1.20 *	0.98 *	1.04 *	0.66 *	0.15 *
5										
	1.09 *	1.04 *	1.15 *	1.22 *	1.24 *	1.20 *	0.99 *	1.05 *	0.67 *	0.15 *
3										
	1.09 *	1.04 *	1.15 *	1.22 *	1.24 *	1.20 *	0.99 *	1.05 *	0.68 *	0.16 *
1										
	0.55 *	0.52 *	0.58 *	0.61 *	0.62 *	0.60 *	0.50 *	0.53 *	0.34 *	0.08 *
0										
	0.55 *	0.52 *	0.58 *	0.61 *	0.62 *	0.60 *	0.50 *	0.53 *	0.34 *	0.08 *
-1										
	1.09 *	1.04 *	1.15 *	1.22 *	1.24 *	1.20 *	0.99 *	1.06 *	0.68 *	0.16 *
-3										
	1.09 *	1.04 *	1.15 *	1.22 *	1.24 *	1.20 *	0.99 *	1.06 *	0.69 *	0.16 *
-5										
	1.09 *	1.04 *	1.15 *	1.21 *	1.23 *	1.19 *	0.99 *	1.05 *	0.69 *	0.16 *
-7										
	1.08 *	1.03 *	1.14 *	1.21 *	1.23 *	1.19 *	0.98 *	1.05 *	0.68 *	0.16 *
-9										
	1.07 *	1.03 *	1.13 *	1.20 *	1.22 *	1.18 *	0.98 *	1.04 *	0.68 *	0.16 *
-11										
	1.07 *	1.02 *	1.13 *	1.19 *	1.21 *	1.17 *	0.97 *	1.03 *	0.67 *	0.16 *
-13										
	1.06 *	1.01 *	1.12 *	1.18 *	1.20 *	1.16 *	0.96 *	1.02 *	0.66 *	0.16 *
-15										
	1.05 *	1.00 *	1.10 *	1.17 *	1.19 *	1.15 *	0.95 *	1.01 *	0.65 *	0.16 *
-17										
	1.29 *	1.23 *	1.36 *	1.44 *	1.46 *	1.41 *	1.17 *	1.24 *	0.80 *	0.19 *
-19.5										
	1.52 *	1.45 *	1.60 *	1.70 *	1.72 *	1.66 *	1.37 *	1.45 *	0.93 *	0.22 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TSFL-LED-01L-W-30.IES

LUMENS TABULATION - (Cont.)

-22.5	1.48 *	1.42 *	1.56 *	1.66 *	1.68 *	1.62 *	1.33 *	1.40 *	0.90 *	0.21
-25.5	1.68 *	1.61 *	1.77 *	1.87 *	1.90 *	1.82 *	1.49 *	1.56 *	0.99 *	0.23
-29	1.84 *	1.76 *	1.94 *	2.05 *	2.07 *	1.98 *	1.61 *	1.68 *	1.06 *	0.24
-33	1.96 *	1.87 *	2.06 *	2.18 *	2.19 *	2.08 *	1.68 *	1.74 *	1.07 *	0.23
-37.5	2.02 *	1.93 *	2.12 *	2.24 *	2.25 *	2.12 *	1.67 *	1.70 *	1.02 *	0.21
-42.5	1.83 *	1.74 *	1.90 *	1.99 *	2.01 *	1.86 *	1.42 *	1.41 *	0.83 *	0.16
-47.5	2.20 *	2.09 *	2.29 *	2.38 *	2.35 *	2.13 *	1.61 *	1.57 *	0.88 *	0.16
-55	1.82 *	1.74 *	1.89 *	1.92 *	1.81 *	1.61 *	1.23 *	1.14 *	0.58	0.09
-65	0.72 *	0.67 *	0.71 *	0.69	0.64	0.56	0.41	0.34	0.15	0.02
-75	0.11	0.10	0.10	0.10	0.09	0.08	0.05	0.04	0.02	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	51.89	49.54	54.44	57.15	57.04	53.65	42.79	43.64	26.26	5.54

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	0.00	
75				
	0.00	0.00		0.57
65				
	0.00	0.00		9.17
55				
	0.00	0.00		19.66
47.5				
	0.00	0.00		20.79
42.5				
	0.00	0.00		26.86
37.5				
	0.00	0.00		28.94
33				
	0.00	0.00		28.65
29				
	0.00	0.00		26.56
25.5				
	0.01	0.00		23.68
22.5				
	0.01	0.00		24.38
19.5				
	0.01	0.00		20.77
17				
	0.01	0.00		16.87

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TSFL-LED-01L-W-30.IES

LUMENS TABULATION - (Cont.)

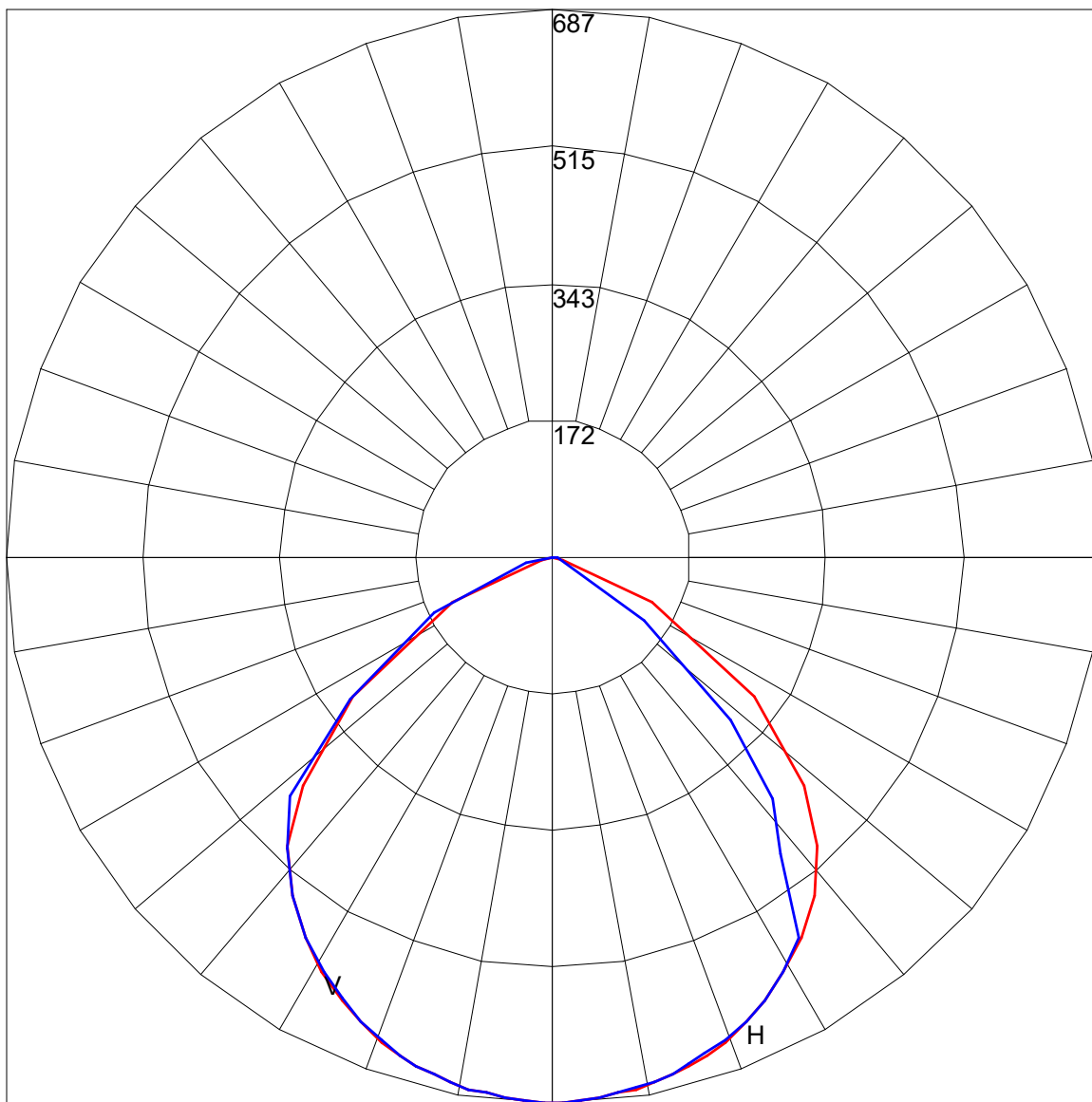
15			
	0.01	0.00	17.07
13			
	0.01	0.00	17.24
11			
	0.01	0.00	17.38
9			
	0.01	0.00	17.49
7			
	0.01	0.00	17.58
5			
	0.01	0.00	17.64
3			
	0.01	0.00	17.68
1			
	0.00	0.00	8.84
0			
	0.00	0.00	8.84
-1			
	0.01	0.00	17.69
-3			
	0.01	0.00	17.66
-5			
	0.01	0.00	17.60
-7			
	0.01	0.00	17.52
-9			
	0.01	0.00	17.42
-11			
	0.01	0.00	17.29
-13			
	0.01	0.00	17.13
-15			
	0.01	0.00	16.94
-17			
	0.01	0.00	20.88
-19.5			
	0.01	0.00	24.55
-22.5			
	0.01	0.00	23.93
-25.5			
	0.01	0.00	27.02
-29			
	0.01	0.00	29.52
-33			
	0.01	0.00	31.27
-37.5			
	0.01	0.00	31.97
-42.5			
	0.01	0.00	28.52
-47.5			
	0.00	0.00	33.77
-55			
	0.00	0.00	27.23
-65			
	0.00	0.00	10.42

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TSFL-LED-01L-W-30.IES

LUMENS TABULATION - (Cont.)

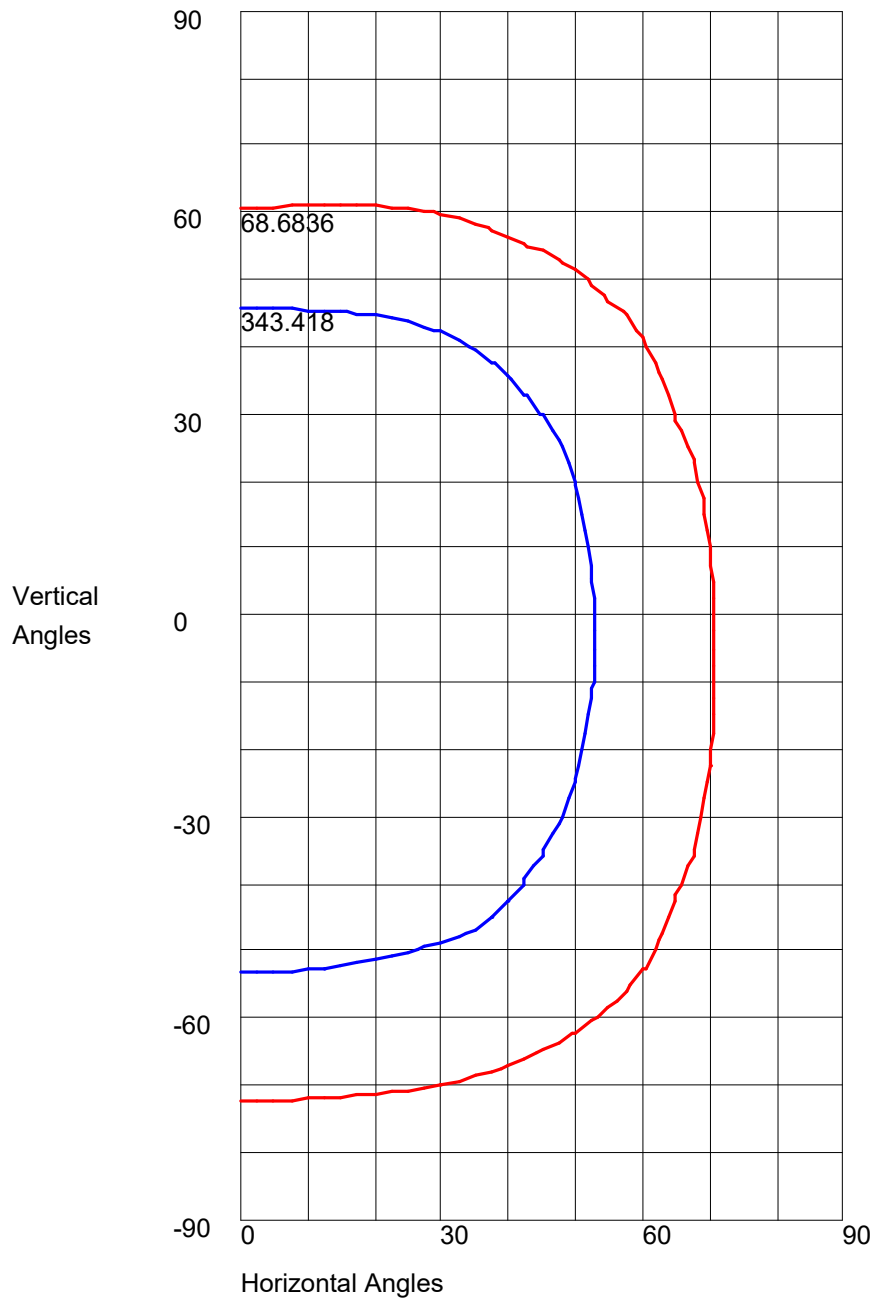
-75	0.00	0.00	1.67
-85	0.00	0.00	0.05
-90			
Total	0.24	0.00	816.71

AXIAL CANDELA DISPLAY



Maximum Candela = 686.836 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 686.836 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 343.418
10% Maximum Candela = 68.6836