



IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-NF-LED-49-HO-CW.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-4354
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]08/16/13
[TEST DATE]08/16/13
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]XFLM-NF-LED-49-HO-CW
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[ABSOLUTE LUMENS]6260
[LUMINAIRE] XFLM
[SEARCH SOURCE TYPE] LED
[SEARCH APPLICATION] Outdoor

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

CHARACTERISTICS

NEMA Type	4 H x 4 V
Maximum Candela	24681
Maximum Candela Angle	-1H 0V
Horizontal Beam Angle (50%)	24.1
Vertical Beam Angle (50%)	23.0
Horizontal Field Angle (10%)	48.1
Vertical Field Angle (10%)	46.6
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	2362
Beam Efficiency	N.A.
Field Lumens	4609
Field Efficiency	N.A.
Spill Lumens	1689
Luminaire Lumens	6298
Total Efficiency	N.A.
Total Luminaire Watts	61
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	49	85	51
75	67	75	69
65	115	65	114
55	196	55	187
47.5	285	47.5	279
42.5	391	42.5	380
37.5	572	37.5	554
33	875	33	839
29	1272	29	1158
25.5	1986	25.5	1790
22.5	2967	22.5	2735
19.5	4516	19.5	4210
17	6411	17	6036
15	8349	15	7896
13	10918	13	10378
11	13851	11	13228
9	16973	9	16293
7	20051	7	19353
5	22798	5	22118
3	24402	3	23724
1	24681	1	24410
0	24600	0	24600
-1	24681	-1	24410
-3	24402	-3	23724
-5	22798	-5	22118
-7	20051	-7	19353
-9	16973	-9	16293
-11	13851	-11	13228
-13	10918	-13	10378
-15	8349	-15	7896
-17	6411	-17	6036
-19.5	4516	-19.5	4210
-22.5	2967	-22.5	2735
-25.5	1986	-25.5	1790
-29	1272	-29	1158
-33	875	-33	839
-37.5	572	-37.5	554
-42.5	391	-42.5	380
-47.5	285	-47.5	279
-55	196	-55	187
-65	115	-65	114
-75	67	-75	69
-85	49	-85	51
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 24681

Beam Edge = 12340.5 Cd (50% of Max.)

Field Edge = 2468.1 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	0	0	0	0	0	0	0	0	0
85.0	0	8	26	39	44	45	46	47	47	49
75.0	0	24	52	53	55	56	57	60	62	62
65.0	0	39	53	58	67	75	80	87	92	96
55.0	0	46	56	67	87	101	108	127	139	148
47.5	0	46	58	77	103	125	149	169	187	203
42.5	0	46	59	83	116	149	173	199	224	247
37.5	0	46	61	88	130	169	198	233	270	308
33.0	0	47	62	93	142	186	224	270	321	378
29.0	0	47	64	98	151	203	246	309	380	469
25.5	0	48	65	102	159	217	271	346	446	566
22.5	0	48	66	104	165	230	291	382	510	662
19.5	0	48	67	108	171	242	311	420	572	766
17.0	0	48	67	110	176	250	323	449	634	856
15.0	0	49	68	111	180	258	337	470	678	926
13.0	0	49	68	113	183	265	351	498	720	984
11.0	0	49	68	114	186	271	363	523	767	1055
9.0	0	49	67	115	189	276	373	543	805	1119
7.0	0	49	67	115	190	279	381	557	834	1180
5.0	0	49	68	115	192	282	387	565	856	1226
3.0	0	49	67	116	194	285	392	570	874	1259
1.0	0	49	67	115	195	285	391	573	876	1265
0.0	0	49	67	115	196	285	391	572	875	1272
-1.0	0	49	67	115	195	285	391	573	876	1265
-3.0	0	49	67	116	194	285	392	570	874	1258
-5.0	0	49	68	115	192	282	387	565	856	1226
-7.0	0	49	67	115	190	279	381	556	834	1180
-9.0	0	49	67	115	189	276	373	543	805	1119
-11.0	0	49	68	114	186	271	363	523	767	1055
-13.0	0	49	68	113	183	265	351	498	720	983
-15.0	0	49	68	111	180	258	337	470	678	924
-17.0	0	48	67	110	176	250	323	449	634	856
-19.5	0	48	67	108	171	242	311	420	572	766
-22.5	0	48	66	104	165	230	291	382	510	661
-25.5	0	48	65	102	159	217	271	346	446	565
-29.0	0	47	64	98	151	203	246	309	380	469
-33.0	0	47	62	93	142	186	224	270	320	378
-37.5	0	46	61	88	130	169	198	233	270	308
-42.5	0	46	59	83	116	149	173	199	224	247
-47.5	0	46	58	77	103	125	149	169	187	203
-55.0	0	46	56	67	87	101	108	127	139	148
-65.0	0	39	53	58	67	75	80	87	92	96
-75.0	0	24	52	53	55	56	57	60	62	62
-85.0	0	8	26	39	44	45	46	47	47	49
-90.0	0	0	0	0	0	0	0	0	0	0

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	-25.5	-22.5	-19.5	-17.0	-15.0	-13.0	-11.0	-9.0	-7.0	-5.0
90.0	0	0	0	0	0	0	0	0	0	0
85.0	50	51	50	50	50	50	50	50	49	49
75.0	63	63	64	65	65	66	66	66	67	67
65.0	99	102	104	106	108	109	110	112	113	114
55.0	156	163	170	175	178	181	183	184	185	186
47.5	216	229	239	248	254	260	265	269	273	276
42.5	271	290	310	323	333	344	352	360	367	372
37.5	345	379	415	443	460	484	504	521	535	544
33.0	438	497	553	609	647	684	727	762	791	813
29.0	557	646	738	819	881	934	993	1047	1095	1130
25.5	691	821	950	1047	1174	1288	1392	1541	1660	1734
22.5	830	988	1173	1384	1596	1822	2010	2268	2466	2605 *
19.5	970	1179	1494	1882	2198	2587 *	2936 *	3334 *	3660 *	3897 *
17.0	1068	1402	1892	2413	2869 *	3439 *	3966 *	4562 *	5107 *	5515 *
15.0	1212	1627	2234	2885 *	3570 *	4235 *	5052 *	5744 *	6615 *	7263 *
13.0	1341	1872	2641 *	3483 *	4269 *	5264 *	6289 *	7348 *	8378 *	9360 *
11.0	1469	2085	3016 *	4063 *	5148 *	6355 *	7714 *	9164 *	10533 *	11762 *
9.0	1644	2385	3469 *	4731 *	5921 *	7528 *	9272 *	11058 *	12890 *	14449 *
7.0	1791	2627 *	3857 *	5345 *	6902 *	8670 *	10787 *	13053 *	15213 *	17098 *
5.0	1892	2807 *	4143 *	5816 *	7612 *	9749 *	12159 *	14811 *	17311 *	19602 *
3.0	1953	2902 *	4371 *	6166 *	8075 *	10471 *	13189 *	16069 *	18950 *	21300 *
1.0	1971	2945 *	4460 *	6319 *	8259 *	10740 *	13610 *	16659 *	19705 *	22516 *
0.0	1986	2967 *	4516 *	6411 *	8349 *	10918 *	13851 *	16973 *	20051 *	22798 *
-1.0	1971	2946 *	4460 *	6319 *	8259 *	10740 *	13610 *	16659 *	19705 *	22516 *
-3.0	1952	2902 *	4371 *	6166 *	8075 *	10471 *	13190 *	16065 *	18950 *	21298 *
-5.0	1892	2807 *	4143 *	5816 *	7612 *	9749 *	12159 *	14795 *	17311 *	19598 *
-7.0	1791	2627 *	3857 *	5345 *	6886 *	8670 *	10787 *	13054 *	15212 *	17098 *
-9.0	1643	2385	3466 *	4730 *	5921 *	7528 *	9272 *	11058 *	12877 *	14449 *
-11.0	1467	2085	3016 *	4063 *	5148 *	6355 *	7708 *	9163 *	10533 *	11762 *
-13.0	1336	1872	2635 *	3483 *	4269 *	5246 *	6289 *	7348 *	8378 *	9360 *
-15.0	1210	1627	2233	2863 *	3570 *	4230 *	5052 *	5744 *	6615 *	7263 *
-17.0	1068	1401	1891	2413	2869 *	3439 *	3966 *	4561 *	5107 *	5515 *
-19.5	968	1178	1494	1883	2198	2587 *	2935 *	3334 *	3660 *	3897 *
-22.5	830	988	1173	1379	1596	1822	2003	2268	2466	2605 *
-25.5	691	821	950	1047	1174	1288	1392	1541	1660	1734
-29.0	557	646	738	819	881	934	993	1047	1095	1130
-33.0	438	497	553	609	647	684	727	762	791	813
-37.5	345	379	415	443	460	484	504	521	535	544
-42.5	271	290	310	323	333	344	352	360	367	372
-47.5	216	229	239	248	254	260	265	269	273	276
-55.0	156	163	170	175	178	181	183	184	185	186
-65.0	99	102	104	106	108	109	110	112	113	113
-75.0	63	63	64	65	65	66	66	66	67	67
-85.0	50	51	50	50	50	50	50	50	49	49
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	-3.0	-1.0	0.0	1.0	3.0	5.0	7.0	9.0	11.0	13.0
90.0	0	0	0	0	0	0	0	0	0	0
85.0	50	51	51	51	50	49	49	50	50	50
75.0	68	69	69	69	68	67	67	66	66	66
65.0	115	114	114	114	115	114	113	112	110	109

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CANDELA TABULATION - (Cont.)

55.0	187	187	187	187	187	186	185	184	183	181
47.5	279	279	279	279	279	276	273	269	265	260
42.5	378	379	380	379	378	372	367	360	352	344
37.5	553	555	554	555	553	544	535	521	504	484
33.0	833	839	839	839	833	813	791	763	727	684
29.0	1149	1156	1158	1156	1149	1130	1095	1047	993	934
25.5	1770	1783	1790	1783	1770	1734	1660	1541	1392	1288
22.5	2686 *	2726 *	2735 *	2726 *	2686 *	2605 *	2467	2268	2010	1822
19.5	4086 *	4180 *	4210 *	4180 *	4088 *	3907 *	3661 *	3334 *	2936 *	2587 *
17.0	5822 *	5984 *	6036 *	5984 *	5824 *	5516 *	5108 *	4562 *	3966 *	3439 *
15.0	7667 *	7863 *	7896 *	7863 *	7674 *	7273 *	6615 *	5744 *	5056 *	4235 *
13.0	9996 *	10273 *	10378 *	10273 *	9996 *	9369 *	8390 *	7356 *	6293 *	5264 *
11.0	12676 *	13085 *	13228 *	13085 *	12692 *	11762 *	10533 *	9166 *	7714 *	6355 *
9.0	15553 *	16114 *	16293 *	16114 *	15556 *	14456 *	12914 *	11058 *	9272 *	7528 *
7.0	18484 *	19135 *	19353 *	19135 *	18484 *	17098 *	15213 *	13054 *	10787 *	8670 *
5.0	20990 *	21965 *	22118 *	21965 *	20990 *	19602 *	17311 *	14811 *	12159 *	9749 *
3.0	22754 *	23516 *	23724 *	23516 *	22755 *	21300 *	18950 *	16069 *	13190 *	10471 *
1.0	23964 *	24360 *	24410 *	24360 *	23964 *	22545 *	19767 *	16744 *	13676 *	10797 *
0.0	24402 *	24681 *	24600 *	24681 *	24402 *	22798 *	20051 *	16973 *	13851 *	10918 *
-1.0	23964 *	24360 *	24410 *	24360 *	23964 *	22545 *	19767 *	16744 *	13676 *	10797 *
-3.0	22755 *	23516 *	23724 *	23516 *	22754 *	21298 *	18950 *	16065 *	13189 *	10471 *
-5.0	20990 *	21935 *	22118 *	21935 *	20990 *	19598 *	17311 *	14795 *	12159 *	9749 *
-7.0	18484 *	19075 *	19353 *	19075 *	18484 *	17098 *	15212 *	13053 *	10787 *	8670 *
-9.0	15553 *	16029 *	16293 *	16029 *	15556 *	14456 *	12902 *	11058 *	9272 *	7528 *
-11.0	12676 *	13022 *	13228 *	13022 *	12692 *	11762 *	10533 *	9165 *	7708 *	6355 *
-13.0	9996 *	10217 *	10378 *	10217 *	9996 *	9369 *	8390 *	7356 *	6293 *	5246 *
-15.0	7667 *	7819 *	7896 *	7819 *	7674 *	7273 *	6615 *	5744 *	5056 *	4230 *
-17.0	5822 *	5953 *	6036 *	5953 *	5824 *	5516 *	5108 *	4561 *	3966 *	3439 *
-19.5	4086 *	4160 *	4210 *	4160 *	4088 *	3907 *	3661 *	3334 *	2935 *	2587 *
-22.5	2686 *	2717 *	2735 *	2717 *	2686 *	2605 *	2467	2268	2003	1822
-25.5	1765	1777	1790	1777	1765	1734	1660	1541	1392	1288
-29.0	1142	1153	1158	1153	1142	1130	1095	1047	993	934
-33.0	830	838	839	838	830	813	791	763	727	684
-37.5	553	554	554	554	553	544	535	521	504	484
-42.5	378	379	380	379	378	372	367	360	352	344
-47.5	279	279	279	279	279	276	273	269	265	260
-55.0	187	187	187	187	187	186	185	184	183	181
-65.0	115	114	114	114	115	113	113	112	110	109
-75.0	68	69	69	69	68	67	67	66	66	66
-85.0	50	51	51	51	50	49	49	50	50	50
-90.0	0	0	0	0	0	0	0	0	0	0

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	0	0	0	0	0	0	0	0	0
85.0	50	50	50	51	50	49	47	47	46	45
75.0	65	65	64	63	63	62	62	60	57	56
65.0	108	106	104	102	99	96	92	87	80	75
55.0	178	175	170	163	156	148	139	127	108	101
47.5	254	248	239	229	216	203	187	169	149	125
42.5	333	323	310	290	271	247	224	199	173	149
37.5	460	443	415	379	345	308	270	233	198	169
33.0	647	609	553	497	438	378	321	270	224	186
29.0	881	819	738	646	557	469	381	309	246	203
25.5	1174	1047	950	821	692	566	446	346	271	217

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CANDELA TABULATION - (Cont.)

22.5	1596	1384	1173	988	830	663	510	382	291	230
19.5	2204	1883	1502	1179	970	766	572	420	311	242
17.0	2873 *	2413	1892	1402	1071	856	634	449	324	250
15.0	3570 *	2885 *	2234	1627	1212	926	678	470	337	258
13.0	4269 *	3483 *	2641 *	1872	1341	984	720	498	351	265
11.0	5148 *	4063 *	3016 *	2089	1469	1055	767	523	363	271
9.0	5972 *	4731 *	3469 *	2385	1644	1119	805	543	373	276
7.0	6902 *	5345 *	3857 *	2627 *	1791	1180	834	557	381	279
5.0	7612 *	5816 *	4143 *	2807 *	1892	1226	856	565	387	282
3.0	8075 *	6166 *	4371 *	2906 *	1953	1259	874	571	393	286
1.0	8304 *	6351 *	4480 *	2956 *	1978	1269	877	574	392	285
0.0	8349 *	6411 *	4516 *	2967 *	1986	1272	875	572	391	285
-1.0	8304 *	6351 *	4480 *	2956 *	1978	1269	877	574	392	285
-3.0	8075 *	6166 *	4371 *	2906 *	1952	1258	874	571	393	286
-5.0	7612 *	5816 *	4143 *	2807 *	1892	1226	856	565	387	282
-7.0	6886 *	5345 *	3857 *	2627 *	1791	1180	834	556	381	279
-9.0	5972 *	4730 *	3466 *	2385	1643	1119	805	543	373	276
-11.0	5148 *	4063 *	3016 *	2089	1467	1055	767	523	363	271
-13.0	4269 *	3483 *	2634 *	1872	1336	984	720	498	351	265
-15.0	3570 *	2863 *	2233	1627	1210	924	678	470	337	258
-17.0	2873 *	2413	1891	1401	1071	856	634	449	324	250
-19.5	2204	1882	1502	1178	968	766	572	420	311	242
-22.5	1596	1379	1173	988	830	663	510	382	291	230
-25.5	1174	1047	950	821	691	565	446	346	271	217
-29.0	881	819	738	646	557	469	381	309	246	203
-33.0	647	609	553	497	438	378	320	270	224	186
-37.5	460	443	415	379	345	308	270	233	198	169
-42.5	333	323	310	290	271	247	224	199	173	149
-47.5	254	248	239	229	216	203	187	169	149	125
-55.0	178	175	170	163	156	148	139	127	108	101
-65.0	108	106	104	102	99	96	92	87	80	75
-75.0	65	65	64	63	63	62	62	60	57	56
-85.0	50	50	50	51	50	49	47	47	46	45
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles				
	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0	0	0	0	0
85.0	44	39	26	8	0
75.0	55	53	52	24	0
65.0	67	58	53	39	0
55.0	87	67	56	46	0
47.5	104	77	58	46	0
42.5	116	83	59	46	0
37.5	130	88	61	46	0
33.0	142	93	62	47	0
29.0	151	98	64	47	0
25.5	159	102	65	48	0
22.5	165	104	66	48	0
19.5	171	108	67	48	0
17.0	176	110	67	48	0
15.0	180	111	68	49	0
13.0	183	113	68	49	0
11.0	186	114	68	49	0
9.0	189	115	67	49	0

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CANDELA TABULATION - (Cont.)

7.0	190	115	67	49	0
5.0	193	115	68	49	0
3.0	195	116	67	49	0
1.0	196	115	67	49	0
0.0	196	115	67	49	0
-1.0	196	115	67	49	0
-3.0	195	116	67	49	0
-5.0	193	115	68	49	0
-7.0	190	115	67	49	0
-9.0	189	115	67	49	0
-11.0	186	114	68	49	0
-13.0	183	113	68	49	0
-15.0	180	111	68	49	0
-17.0	176	110	67	48	0
-19.5	171	108	67	48	0
-22.5	165	104	66	48	0
-25.5	159	102	65	48	0
-29.0	151	98	64	47	0
-33.0	142	93	62	47	0
-37.5	130	88	61	46	0
-42.5	116	83	59	46	0
-47.5	104	77	58	46	0
-55.0	87	67	56	46	0
-65.0	67	58	53	39	0
-75.0	55	53	52	24	0
-85.0	44	39	26	8	0
-90.0	0	0	0	0	0

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LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 3148.8

Total Field Lumens (one side of beam only) = 2304.29

* 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	0.04	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.09
75	0.18	0.36	0.36	0.35	0.35	0.35	0.35	0.34	0.34	0.41
65	0.28	0.56	0.55	0.55	0.54	0.53	0.52	0.51	0.50	0.61
55	0.46	0.92	0.91	0.91	0.90	0.88	0.87	0.85	0.83	1.00
47.5	0.53	1.06	1.06	1.05	1.03	1.01	0.99	0.97	0.94	1.13
42.5	0.50	1.00	0.99	0.98	0.96	0.93	0.91	0.88	0.85	1.01
37.5	0.71	1.42	1.40	1.38	1.34	1.30	1.25	1.20	1.14	1.35
33	0.96	1.90	1.88	1.83	1.77	1.70	1.61	1.51	1.42	1.64
29	1.22	2.42	2.39	2.32	2.23	2.12	1.99	1.86	1.73	1.97
25.5	1.57	3.12	3.08	2.98	2.82	2.61	2.40	2.21	2.01	2.25
22.5	2.06	4.09	4.01	3.85	3.59	3.24	2.91	2.61	2.28	2.47
19.5	3.16 *	6.25 *	6.05 *	5.74 *	5.31 *	4.75 *	4.18	3.64	3.10	3.22
17	3.89 *	7.64 *	7.34 *	6.89 *	6.28 *	5.55 *	4.81 *	4.10 *	3.43	3.47
15	4.23 *	8.32 *	7.98 *	7.42 *	6.64 *	5.80 *	4.97 *	4.17 *	3.44 *	3.41
13	5.55 *	10.90 *	10.42 *	9.58 *	8.47 *	7.33 *	6.21 *	5.12 *	4.16 *	4.07 *
11	7.15 *	14.01 *	13.31 *	12.13 *	10.69 *	9.16 *	7.63 *	6.22 *	4.97 *	4.77 *
9	8.94 *	17.48 *	16.55 *	15.04 *	13.17 *	11.16 *	9.20 *	7.38 *	5.82 *	5.52 *
7	10.80 *	21.09 *	19.93 *	18.07 *	15.75 *	13.25 *	10.80 *	8.58 *	6.71 *	6.29 *
5	12.58 *	24.53 *	23.15 *	20.97 *	18.22 *	15.24 *	12.32 *	9.73 *	7.52 *	6.93 *
3	13.91 *	27.16 *	25.72 *	23.38 *	20.25 *	16.87 *	13.58 *	10.61 *	8.10 *	7.41 *
1	14.62 *	28.80 *	27.51 *	25.00 *	21.55 *	17.88 *	14.32 *	11.11 *	8.45 *	7.72 *
0	7.47 *	14.83 *	14.24 *	12.89 *	11.08 *	9.17 *	7.33 *	5.66 *	4.30 *	3.93 *
-1	7.47 *	14.83 *	14.24 *	12.89 *	11.08 *	9.17 *	7.33 *	5.66 *	4.30 *	3.93 *
	14.62 *	28.80 *	27.51 *	25.00 *	21.55 *	17.88 *	14.32 *	11.11 *	8.45 *	7.72 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-NF-LED-49-HO-CW.IES

LUMENS TABULATION - (Cont.)

-3	13.90 *	27.15 *	25.72 *	23.37 *	20.25 *	16.86 *	13.58 *	10.61 *	8.10 *	7.41 *
-5	12.56 *	24.50 *	23.15 *	20.97 *	18.21 *	15.24 *	12.32 *	9.73 *	7.51 *	6.93 *
-7	10.78 *	21.05 *	19.93 *	18.07 *	15.75 *	13.25 *	10.80 *	8.58 *	6.71 *	6.29 *
-9	8.92 *	17.44 *	16.55 *	15.04 *	13.16 *	11.16 *	9.20 *	7.38 *	5.82 *	5.52 *
-11	7.13 *	13.98 *	13.31 *	12.13 *	10.69 *	9.15 *	7.63 *	6.21 *	4.97 *	4.77 *
-13	5.53 *	10.87 *	10.42 *	9.58 *	8.47 *	7.33 *	6.20 *	5.12 *	4.15 *	4.05 *
-15	4.22 *	8.30 *	7.98 *	7.42 *	6.64 *	5.80 *	4.97 *	4.17 *	3.43 *	3.40
-17	3.88 *	7.62 *	7.34 *	6.89 *	6.28 *	5.55 *	4.81 *	4.10 *	3.43	3.47
-19.5	3.16 *	6.23 *	6.05 *	5.74 *	5.31 *	4.74 *	4.18	3.64	3.10	3.22
-22.5	2.06	4.08	4.01	3.85	3.59	3.24	2.91	2.61	2.28	2.47
-25.5	1.57	3.11	3.07	2.98	2.82	2.61	2.40	2.21	2.01	2.25
-29	1.21	2.41	2.38	2.32	2.23	2.12	1.99	1.86	1.73	1.97
-33	0.95	1.90	1.87	1.83	1.77	1.70	1.61	1.51	1.42	1.64
-37.5	0.71	1.42	1.40	1.38	1.34	1.30	1.25	1.20	1.14	1.35
-42.5	0.50	1.00	0.99	0.98	0.96	0.93	0.91	0.88	0.85	1.01
-47.5	0.53	1.06	1.06	1.05	1.03	1.01	0.99	0.97	0.94	1.13
-55	0.46	0.92	0.91	0.90	0.90	0.88	0.87	0.85	0.83	1.00
-65	0.28	0.56	0.55	0.55	0.54	0.53	0.52	0.51	0.50	0.61
-75	0.18	0.36	0.36	0.35	0.35	0.35	0.35	0.34	0.34	0.41
-85	0.04	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.09
-90										
Total	201.47	395.62	377.77	346.71	306.03	261.80	218.46	178.69	144.21	141.33

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										
85	0.11	0.11	0.12	0.13	0.13	0.14	0.12	0.16	0.16	0.08
75	0.49	0.47	0.53	0.57	0.60	0.61	0.55	0.71	0.73	0.44
65	0.71	0.68	0.76	0.81	0.84	0.83	0.72	0.90	0.89	0.56
55	1.15	1.09	1.18	1.24	1.25	1.17	0.98	1.18	1.06	0.61
	1.28	1.20	1.28	1.33	1.31	1.21	0.98	1.12	0.95	0.50

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-NF-LED-49-HO-CW.IES

LUMENS TABULATION - (Cont.)

47.5										
	1.14	1.05	1.11	1.12	1.09	1.01	0.80	0.88	0.72	0.36
42.5										
	1.49	1.34	1.39	1.37	1.30	1.17	0.93	1.01	0.79	0.38
37.5										
	1.77	1.56	1.57	1.50	1.38	1.21	0.94	1.01	0.78	0.36
33										
	2.08	1.78	1.75	1.62	1.43	1.22	0.92	0.97	0.74	0.33
29										
	2.35	1.98	1.89	1.70	1.45	1.20	0.88	0.91	0.68	0.30
25.5										
	2.52	2.09	1.95	1.71	1.41	1.13	0.81	0.83	0.60	0.26
22.5										
	3.10	2.48	2.29	1.97	1.58	1.23	0.87	0.87	0.63	0.27
19.5										
	3.18	2.41	2.17	1.85	1.45	1.10	0.76	0.75	0.54	0.23
17										
	3.05	2.22	1.93	1.62	1.25	0.92	0.63	0.62	0.44	0.19
15										
	3.57	2.53	2.11	1.73	1.32	0.97	0.65	0.63	0.45	0.19
13										
	4.10	2.83	2.30	1.84	1.40	1.01	0.67	0.65	0.45	0.19
11										
	4.67 *	3.17	2.51	1.96	1.48	1.05	0.69	0.66	0.46	0.19
9										
	5.26 *	3.53	2.72	2.06	1.53	1.08	0.70	0.67	0.46	0.19
7										
	5.73 *	3.81	2.89	2.14	1.57	1.10	0.72	0.67	0.47	0.19
5										
	6.07 *	3.99	3.00	2.20	1.60	1.12	0.73	0.68	0.47	0.19
3										
	6.27 *	4.08	3.06	2.23	1.62	1.12	0.73	0.69	0.47	0.19
1										
	3.18 *	2.06 *	1.54	1.12	0.81	0.56	0.36	0.34	0.24	0.09
0										
	3.18 *	2.06 *	1.54	1.12	0.81	0.56	0.36	0.34	0.24	0.09
-1										
	6.27 *	4.08	3.06	2.23	1.62	1.12	0.73	0.69	0.47	0.19
-3										
	6.07 *	3.99	3.00	2.20	1.60	1.12	0.73	0.68	0.47	0.19
-5										
	5.73 *	3.81	2.89	2.14	1.57	1.10	0.72	0.67	0.47	0.19
-7										
	5.26 *	3.53	2.72	2.06	1.53	1.08	0.70	0.67	0.46	0.19
-9										
	4.67 *	3.16	2.50	1.96	1.48	1.05	0.69	0.66	0.46	0.19
-11										
	4.10	2.82	2.29	1.84	1.40	1.01	0.67	0.65	0.45	0.19
-13										
	3.57	2.52	2.11	1.73	1.32	0.97	0.65	0.63	0.45	0.19
-15										
	3.05	2.22	1.92	1.61	1.25	0.92	0.63	0.62	0.44	0.19
-17										
	3.18	2.41	2.17	1.85	1.45	1.10	0.76	0.75	0.54	0.23
-19.5										
	3.09	2.48	2.29	1.97	1.58	1.23	0.87	0.87	0.63	0.27

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-NF-LED-49-HO-CW.IES

LUMENS TABULATION - (Cont.)

-22.5	2.52	2.08	1.95	1.71	1.41	1.13	0.81	0.83	0.60	0.26
-25.5	2.35	1.98	1.89	1.70	1.45	1.20	0.88	0.91	0.68	0.30
-29	2.08	1.78	1.75	1.62	1.43	1.22	0.92	0.97	0.74	0.33
-33	1.77	1.56	1.57	1.50	1.38	1.21	0.94	1.01	0.78	0.36
-37.5	1.49	1.34	1.39	1.37	1.30	1.17	0.93	1.01	0.79	0.38
-42.5	1.14	1.05	1.11	1.12	1.09	1.01	0.80	0.88	0.72	0.36
-47.5	1.28	1.20	1.28	1.33	1.31	1.21	0.98	1.12	0.95	0.50
-55	1.15	1.09	1.18	1.24	1.25	1.17	0.98	1.18	1.06	0.61
-65	0.71	0.68	0.76	0.81	0.84	0.83	0.72	0.90	0.89	0.56
-75	0.49	0.47	0.53	0.57	0.60	0.61	0.55	0.71	0.73	0.44
-85	0.11	0.11	0.12	0.13	0.13	0.14	0.12	0.16	0.16	0.08
-90										
Total	126.51	92.86	80.05	67.59	55.62	44.31	32.30	33.81	26.33	12.58

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.02	0.00	2.00	
85				
	0.15	0.01	9.25	
75				
	0.22	0.01	13.10	
65				
	0.26	0.01	19.70	
55				
	0.20	0.01	21.14	
47.5				
	0.14	0.01	18.44	
42.5				
	0.14	0.01	23.80	
37.5				
	0.13	0.01	28.42	
33				
	0.12	0.01	33.20	
29				
	0.10	0.01	38.51	
25.5				
	0.09	0.00	44.53	
22.5				
	0.09	0.00	60.77	
19.5				
	0.08	0.00	67.91	
17				
	0.06	0.00	69.31	

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-NF-LED-49-HO-CW.IES

LUMENS TABULATION - (Cont.)

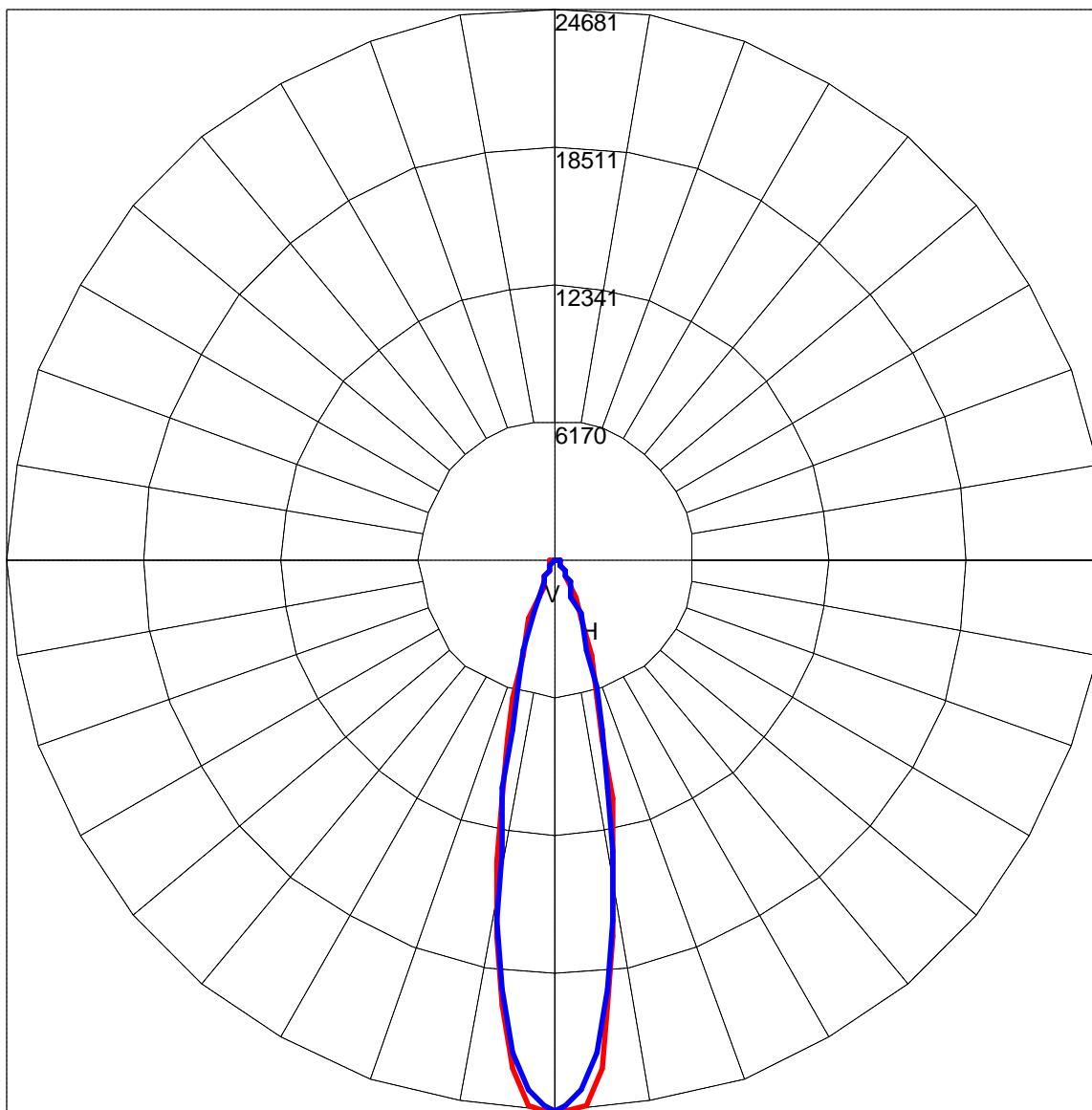
15	0.06	0.00	86.03
13	0.06	0.00	105.55
11	0.06	0.00	127.16
9	0.06	0.00	149.55
7	0.06	0.00	170.53
5	0.06	0.00	187.10
3	0.06	0.00	197.49
1	0.03	0.00	101.24
0	0.03	0.00	101.24
-1	0.06	0.00	197.49
-3	0.06	0.00	187.06
-5	0.06	0.00	170.46
-7	0.06	0.00	149.47
-9	0.06	0.00	127.08
-11	0.06	0.00	105.47
-13	0.06	0.00	85.94
-15	0.06	0.00	69.25
-17	0.08	0.00	67.87
-19.5	0.09	0.00	60.73
-22.5	0.09	0.00	44.50
-25.5	0.10	0.01	38.49
-29	0.12	0.01	33.19
-33	0.13	0.01	28.41
-37.5	0.14	0.01	23.80
-42.5	0.14	0.01	18.44
-47.5	0.20	0.01	21.14
-55	0.26	0.01	19.70
-65	0.22	0.01	13.10

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-NF-LED-49-HO-CW.IES

LUMENS TABULATION - (Cont.)

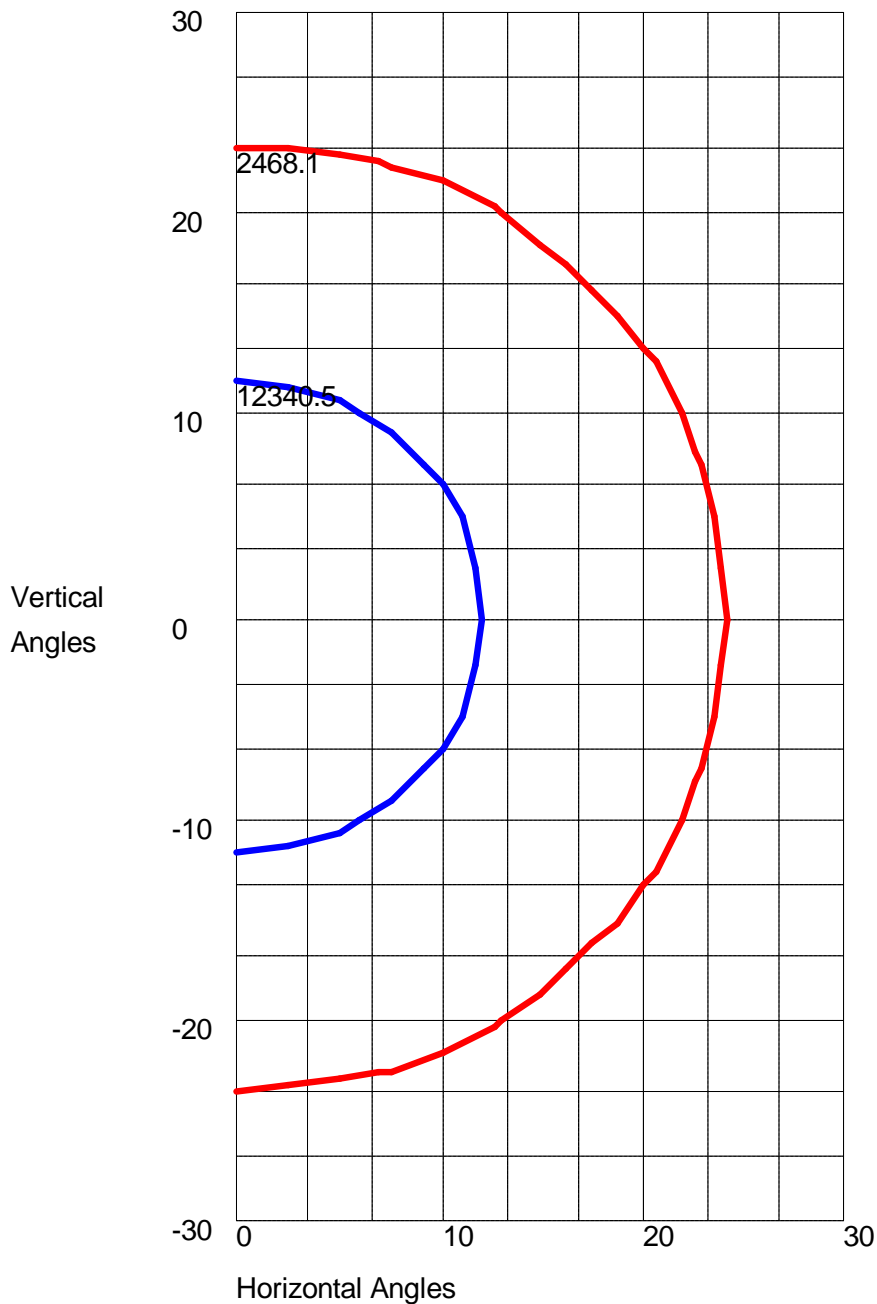
-75	0.15	0.01	9.25
-85	0.02	0.00	2.00
-90			
Total	4.51	0.23	3148.8

AXIAL CANDELA DISPLAY



Maximum Candela = 24681 Located At Horizontal Angle = -1, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 24681 Located At Horizontal Angle = -1, Vertical Angle = 0
50% Maximum Candela = 12340.5
10% Maximum Candela = 2468.1