



IES FLOOD REPORT

PHOTOMETRIC FILENAME : XFLM-VF-LED-49-HO-WW.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5354
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/27/14
[TEST DATE]03/27/14
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]XFLM-VF-LED-49-HO-WW
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]4244
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor

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

CHARACTERISTICS

NEMA Type	3 H x 5 V
Maximum Candela	13997
Maximum Candela Angle	-1H 0V
Horizontal Beam Angle (50%)	16.2
Vertical Beam Angle (50%)	51.6
Horizontal Field Angle (10%)	33.3
Vertical Field Angle (10%)	74.8
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	2112
Beam Efficiency	N.A.
Field Lumens	3577
Field Efficiency	N.A.
Spill Lumens	683
Luminaire Lumens	4260
Total Efficiency	N.A.
Total Luminaire Watts	63.8
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	3	85	0
75	13	75	10
65	35	65	38
55	67	55	118
47.5	88	47.5	306
42.5	105	42.5	635
37.5	143	37.5	1385
33	217	33	2745
29	306	29	4813
25.5	412	25.5	7289
22.5	573	22.5	9586
19.5	878	19.5	11737
17	1304	17	12936
15	1862	15	13233
13	2682	13	13216
11	4013	11	13051
9	5821	9	12910
7	8408	7	12963
5	11281	5	13199
3	13400	3	13470
1	13997	1	13631
0	13724	0	13724
-1	13997	-1	13631
-3	13400	-3	13470
-5	11281	-5	13199
-7	8408	-7	12963
-9	5821	-9	12910
-11	4013	-11	13051
-13	2682	-13	13216
-15	1862	-15	13233
-17	1304	-17	12936
-19.5	878	-19.5	11737
-22.5	573	-22.5	9586
-25.5	412	-25.5	7289
-29	306	-29	4813
-33	217	-33	2745
-37.5	143	-37.5	1385
-42.5	105	-42.5	635
-47.5	88	-47.5	306
-55	67	-55	118
-65	35	-65	38
-75	13	-75	10
-85	3	-85	0
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 13997

Beam Edge = 6998.5 Cd (50% of Max.)

Field Edge = 1399.7 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	0	1	1	1	1	0	0	0	0
75.0	0	1	2	3	3	4	5	5	5	6
65.0	0	2	3	5	9	12	15	17	19	21
55.0	0	2	4	10	18	26	31	35	39	44
47.5	0	2	5	15	27	43	57	56	65	75
42.5	0	2	7	19	33	58	66	71	88	99
37.5	0	2	8	22	39	57	65	79	97	118
33.0	0	2	9	25	45	57	69	83	105	133
29.0	0	2	10	28	51	62	75	92	116	153
25.5	0	2	10	31	55	67	80	99	127	172
22.5	0	3	11	33	60	70	83	104	140	191
19.5	0	3	12	34	61	72	85	111	152	214
17.0	0	3	12	35	61	73	86	116	161	229
15.0	0	3	12	35	61	75	88	119	168	235
13.0	0	3	12	36	61	76	90	122	174	245
11.0	0	3	13	36	61	78	94	125	179	251
9.0	0	3	13	36	61	80	97	130	185	252
7.0	0	3	13	36	61	82	100	135	194	265
5.0	0	3	13	36	63	84	103	138	203	281
3.0	0	3	13	36	65	86	104	141	210	294
1.0	0	3	13	35	66	87	105	142	215	303
0.0	0	3	13	35	67	88	105	143	217	306
-1.0	0	3	13	35	66	87	105	142	215	303
-3.0	0	3	13	36	65	86	104	141	210	294
-5.0	0	3	13	36	63	84	103	138	203	281
-7.0	0	3	13	36	61	82	100	135	194	265
-9.0	0	3	13	36	61	80	97	130	185	252
-11.0	0	3	13	36	61	78	94	125	179	251
-13.0	0	3	12	36	61	76	90	122	174	245
-15.0	0	3	12	35	61	75	88	119	168	235
-17.0	0	3	12	35	61	73	86	116	161	229
-19.5	0	3	12	34	61	72	85	111	152	214
-22.5	0	3	11	33	60	70	83	104	140	191
-25.5	0	2	10	31	55	67	80	99	127	172
-29.0	0	2	10	28	51	62	75	92	116	153
-33.0	0	2	9	25	45	57	69	83	105	133
-37.5	0	2	8	22	39	57	65	79	97	118
-42.5	0	2	7	19	33	58	66	71	88	99
-47.5	0	2	5	15	27	43	57	56	65	75
-55.0	0	2	4	10	18	26	31	35	39	44
-65.0	0	2	3	5	9	12	15	17	19	21
-75.0	0	1	2	3	3	4	5	5	5	6
-85.0	0	0	1	1	1	1	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

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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	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
75.0	6	7	7	7	7	8	8	9	9	10
65.0	23	24	26	27	28	29	31	33	35	36
55.0	54	64	72	77	83	91	98	104	109	113
47.5	85	99	114	131	149	170	193	220	247	273
42.5	117	141	171	203	248	299	352	417	490	563
37.5	148	181	244	311	385	499	626	768	945	1129
33.0	174	224	310	434	554	740	1008	1316	1695 *	2116 *
29.0	201	283	399	581	782	1043	1517 *	2085 *	2752 *	3558 *
25.5	238	335	506	696	1001	1427 *	2013 *	2987 *	4106 *	5326 *
22.5	276	391	585	854	1151	1765 *	2522 *	3741 *	5388 *	7070 *
19.5	302	435	655	984	1399	1965 *	3023 *	4296 *	6416 *	8677 *
17.0	323	451	712	1043	1514 *	2195 *	3189 *	4796 *	6895 *	9539 *
15.0	334	476	731	1113	1567 *	2297 *	3296 *	4928 *	7013 *	9663 *
13.0	338	493	759	1132	1638 *	2323 *	3436 *	4868 *	7175 *	9653 *
11.0	352	496	787	1174	1652 *	2428 *	3449 *	5067 *	7172 *	9676 *
9.0	362	525	806	1210	1762 *	2462 *	3572 *	5075 *	7253 *	9666 *
7.0	373	544	849	1286	1835 *	2623 *	3784 *	5369 *	7360 *	9808 *
5.0	391	562	872	1318	1892 *	2712 *	3888 *	5565 *	7836 *	10393 *
3.0	403	572	888	1338	1912 *	2736 *	3889 *	5649 *	8075 *	10746 *
1.0	410	574	883	1324	1896 *	2731 *	3911 *	5681 *	8232 *	11106 *
0.0	412	573	878	1304	1862 *	2682 *	4013 *	5821 *	8408 *	11281 *
-1.0	410	574	883	1324	1896 *	2731 *	3911 *	5681 *	8232 *	11106 *
-3.0	403	572	888	1338	1912 *	2736 *	3889 *	5649 *	8075 *	10746 *
-5.0	391	562	872	1318	1892 *	2712 *	3888 *	5565 *	7836 *	10393 *
-7.0	373	544	849	1286	1835 *	2623 *	3784 *	5369 *	7360 *	9808 *
-9.0	362	525	806	1210	1762 *	2462 *	3572 *	5075 *	7253 *	9666 *
-11.0	352	496	787	1174	1652 *	2428 *	3449 *	5067 *	7172 *	9676 *
-13.0	338	493	759	1132	1638 *	2323 *	3436 *	4868 *	7175 *	9653 *
-15.0	334	476	731	1113	1567 *	2297 *	3296 *	4928 *	7013 *	9663 *
-17.0	323	451	712	1043	1514 *	2195 *	3189 *	4796 *	6895 *	9539 *
-19.5	302	435	655	984	1399	1965 *	3023 *	4296 *	6416 *	8677 *
-22.5	276	391	585	854	1151	1765 *	2522 *	3741 *	5388 *	7070 *
-25.5	238	335	506	696	1001	1427 *	2013 *	2987 *	4106 *	5326 *
-29.0	201	283	399	581	782	1043	1517 *	2085 *	2752 *	3558 *
-33.0	174	224	310	434	554	740	1008	1316	1695 *	2116 *
-37.5	148	181	244	311	385	499	626	768	945	1129
-42.5	117	141	171	203	248	299	352	417	490	563
-47.5	85	99	114	131	149	170	193	220	247	273
-55.0	54	64	72	77	83	91	98	104	109	113
-65.0	23	24	26	27	28	29	31	33	35	36
-75.0	6	7	7	7	7	8	8	9	9	10
-85.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

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	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
75.0	10	10	10	10	10	10	9	9	8	8
65.0	37	38	38	38	37	36	35	33	31	29

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CANDELA TABULATION - (Cont.)

55.0	117	118	118	118	117	113	109	104	98	91
47.5	296	303	306	303	296	273	247	220	193	170
42.5	630	633	635	633	630	563	490	417	352	299
37.5	1308	1365	1385	1365	1308	1129	945	768	626	499
33.0	2538 *	2698 *	2745 *	2698 *	2538 *	2116 *	1695 *	1316	1008	740
29.0	4362 *	4742 *	4813 *	4742 *	4362 *	3558 *	2752 *	2085 *	1517 *	1043
25.5	6550 *	7193 *	7289 *	7193 *	6550 *	5326 *	4106 *	2987 *	2013 *	1427 *
22.5	8574 *	9483 *	9586 *	9483 *	8574 *	7070 *	5388 *	3741 *	2522 *	1765 *
19.5	10417 *	11621 *	11737 *	11621 *	10417 *	8677 *	6416 *	4296 *	3023 *	1965 *
17.0	11482 *	12826 *	12936 *	12826 *	11482 *	9539 *	6895 *	4796 *	3189 *	2195 *
15.0	11773 *	13130 *	13233 *	13130 *	11773 *	9663 *	7013 *	4928 *	3296 *	2297 *
13.0	11848 *	13115 *	13216 *	13115 *	11848 *	9653 *	7175 *	4868 *	3436 *	2323 *
11.0	11827 *	12943 *	13051 *	12943 *	11827 *	9676 *	7172 *	5067 *	3449 *	2428 *
9.0	11707 *	12789 *	12910 *	12789 *	11707 *	9666 *	7253 *	5075 *	3572 *	2462 *
7.0	11822 *	12841 *	12963 *	12841 *	11822 *	9808 *	7360 *	5369 *	3784 *	2623 *
5.0	12114 *	13109 *	13199 *	13109 *	12114 *	10393 *	7836 *	5565 *	3888 *	2712 *
3.0	12744 *	13413 *	13470 *	13413 *	12744 *	10746 *	8075 *	5649 *	3889 *	2736 *
1.0	13147 *	13792 *	13631 *	13792 *	13147 *	11106 *	8232 *	5681 *	3911 *	2731 *
0.0	13400 *	13997 *	13724 *	13997 *	13400 *	11281 *	8408 *	5821 *	4013 *	2682 *
-1.0	13147 *	13792 *	13631 *	13792 *	13147 *	11106 *	8232 *	5681 *	3911 *	2731 *
-3.0	12744 *	13413 *	13470 *	13413 *	12744 *	10746 *	8075 *	5649 *	3889 *	2736 *
-5.0	12114 *	13109 *	13199 *	13109 *	12114 *	10393 *	7836 *	5565 *	3888 *	2712 *
-7.0	11822 *	12841 *	12963 *	12841 *	11822 *	9808 *	7360 *	5369 *	3784 *	2623 *
-9.0	11707 *	12789 *	12910 *	12789 *	11707 *	9666 *	7253 *	5075 *	3572 *	2462 *
-11.0	11827 *	12943 *	13051 *	12943 *	11827 *	9676 *	7172 *	5067 *	3449 *	2428 *
-13.0	11848 *	13115 *	13216 *	13115 *	11848 *	9653 *	7175 *	4868 *	3436 *	2323 *
-15.0	11773 *	13130 *	13233 *	13130 *	11773 *	9663 *	7013 *	4928 *	3296 *	2297 *
-17.0	11482 *	12826 *	12936 *	12826 *	11482 *	9539 *	6895 *	4796 *	3189 *	2195 *
-19.5	10417 *	11621 *	11737 *	11621 *	10417 *	8677 *	6416 *	4296 *	3023 *	1965 *
-22.5	8574 *	9483 *	9586 *	9483 *	8574 *	7070 *	5388 *	3741 *	2522 *	1765 *
-25.5	6550 *	7193 *	7289 *	7193 *	6550 *	5326 *	4106 *	2987 *	2013 *	1427 *
-29.0	4362 *	4742 *	4813 *	4742 *	4362 *	3558 *	2752 *	2085 *	1517 *	1043
-33.0	2538 *	2698 *	2745 *	2698 *	2538 *	2116 *	1695 *	1316	1008	740
-37.5	1308	1365	1385	1365	1308	1129	945	768	626	499
-42.5	630	633	635	633	630	563	490	417	352	299
-47.5	296	303	306	303	296	273	247	220	193	170
-55.0	117	118	118	118	117	113	109	104	98	91
-65.0	37	38	38	38	37	36	35	33	31	29
-75.0	10	10	10	10	10	10	9	9	8	8
-85.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. 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	0	0	0	0	0	0	0	0	0	1
75.0	7	7	7	7	6	6	5	5	5	4
65.0	28	27	26	24	23	21	19	17	15	12
55.0	83	77	72	64	54	44	39	35	31	26
47.5	149	131	114	99	85	75	65	56	57	43
42.5	248	203	171	141	117	99	88	71	66	58
37.5	385	311	244	181	148	118	97	79	65	57
33.0	554	434	310	224	174	133	105	83	69	57
29.0	782	581	399	283	201	153	116	92	75	62
25.5	1001	696	506	335	238	172	127	99	80	67

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CANDELA TABULATION - (Cont.)

22.5	1151	854	585	391	276	191	140	104	83	70
19.5	1399	984	655	435	302	214	152	111	85	72
17.0	1514 *	1043	712	451	323	229	161	116	86	73
15.0	1567 *	1113	731	476	334	235	168	119	88	75
13.0	1638 *	1132	759	493	338	245	174	122	90	76
11.0	1652 *	1174	787	496	352	251	179	125	94	78
9.0	1762 *	1210	806	525	362	252	185	130	97	80
7.0	1835 *	1286	849	544	373	265	194	135	100	82
5.0	1892 *	1318	872	562	391	281	203	138	103	84
3.0	1912 *	1338	888	572	403	294	210	141	104	86
1.0	1896 *	1324	883	574	410	303	215	142	105	87
0.0	1862 *	1304	878	573	412	306	217	143	105	88
-1.0	1896 *	1324	883	574	410	303	215	142	105	87
-3.0	1912 *	1338	888	572	403	294	210	141	104	86
-5.0	1892 *	1318	872	562	391	281	203	138	103	84
-7.0	1835 *	1286	849	544	373	265	194	135	100	82
-9.0	1762 *	1210	806	525	362	252	185	130	97	80
-11.0	1652 *	1174	787	496	352	251	179	125	94	78
-13.0	1638 *	1132	759	493	338	245	174	122	90	76
-15.0	1567 *	1113	731	476	334	235	168	119	88	75
-17.0	1514 *	1043	712	451	323	229	161	116	86	73
-19.5	1399	984	655	435	302	214	152	111	85	72
-22.5	1151	854	585	391	276	191	140	104	83	70
-25.5	1001	696	506	335	238	172	127	99	80	67
-29.0	782	581	399	283	201	153	116	92	75	62
-33.0	554	434	310	224	174	133	105	83	69	57
-37.5	385	311	244	181	148	118	97	79	65	57
-42.5	248	203	171	141	117	99	88	71	66	58
-47.5	149	131	114	99	85	75	65	56	57	43
-55.0	83	77	72	64	54	44	39	35	31	26
-65.0	28	27	26	24	23	21	19	17	15	12
-75.0	7	7	7	7	6	6	5	5	5	4
-85.0	0	0	0	0	0	0	0	0	0	1
-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	1	1	1	0	0
75.0	3	3	2	1	0
65.0	9	5	3	2	0
55.0	18	10	4	2	0
47.5	27	15	5	2	0
42.5	33	19	7	2	0
37.5	39	22	8	2	0
33.0	45	25	9	2	0
29.0	51	28	10	2	0
25.5	55	31	10	2	0
22.5	60	33	11	3	0
19.5	61	34	12	3	0
17.0	61	35	12	3	0
15.0	61	35	12	3	0
13.0	61	36	12	3	0
11.0	61	36	13	3	0
9.0	61	36	13	3	0

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CANDELA TABULATION - (Cont.)

7.0	61	36	13	3	0
5.0	63	36	13	3	0
3.0	65	36	13	3	0
1.0	66	35	13	3	0
0.0	67	35	13	3	0
-1.0	66	35	13	3	0
-3.0	65	36	13	3	0
-5.0	63	36	13	3	0
-7.0	61	36	13	3	0
-9.0	61	36	13	3	0
-11.0	61	36	13	3	0
-13.0	61	36	12	3	0
-15.0	61	35	12	3	0
-17.0	61	35	12	3	0
-19.5	61	34	12	3	0
-22.5	60	33	11	3	0
-25.5	55	31	10	2	0
-29.0	51	28	10	2	0
-33.0	45	25	9	2	0
-37.5	39	22	8	2	0
-42.5	33	19	7	2	0
-47.5	27	15	5	2	0
-55.0	18	10	4	2	0
-65.0	9	5	3	2	0
-75.0	3	3	2	1	0
-85.0	1	1	1	0	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
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LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 2129.9

Total Field Lumens (one side of beam only) = 1788.54

* 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	0.02	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.03
65	0.07	0.14	0.14	0.14	0.13	0.12	0.11	0.11	0.10	0.12
55	0.24	0.47	0.46	0.44	0.42	0.40	0.37	0.34	0.31	0.37
47.5	0.48	0.95	0.91	0.84	0.77	0.69	0.62	0.55	0.48	0.53
42.5	0.71	1.42	1.34	1.19	1.04	0.89	0.76	0.64	0.54	0.56
37.5	1.53	3.00	2.76	2.37	1.98	1.62	1.32	1.06	0.84	0.84
33	2.81 *	5.42 *	4.85 *	4.01 *	3.21	2.51	1.93	1.45	1.11	1.06
29	4.57 *	8.73 *	7.64 *	6.13 *	4.73 *	3.56 *	2.57	1.84	1.38	1.25
25.5	6.41 *	12.17 *	10.53 *	8.35 *	6.30 *	4.52 *	3.13 *	2.20	1.57	1.38
22.5	7.66 *	14.52 *	12.54 *	9.95 *	7.34 *	5.07 *	3.45 *	2.37	1.63	1.43
19.5	9.69 *	18.31 *	15.83 *	12.52 *	8.98 *	6.11 *	4.15 *	2.78 *	1.93	1.67
17	9.35 *	17.64 *	15.24 *	11.94 *	8.45 *	5.74 *	3.86 *	2.61 *	1.81	1.53
15	7.94 *	14.98 *	12.90 *	10.03 *	7.13 *	4.86 *	3.27 *	2.24 *	1.53	1.30
13	8.03 *	15.18 *	13.05 *	10.15 *	7.23 *	4.96 *	3.38 *	2.31 *	1.60	1.35
11	7.97 *	15.14 *	13.07 *	10.20 *	7.32 *	5.05 *	3.47 *	2.38 *	1.64	1.39
9	7.87 *	15.00 *	13.03 *	10.23 *	7.41 *	5.15 *	3.55 *	2.45 *	1.70 *	1.44
7	7.84 *	14.96 *	13.07 *	10.33 *	7.56 *	5.34 *	3.71 *	2.57 *	1.78 *	1.50
5	7.94 *	15.19 *	13.41 *	10.72 *	7.88 *	5.58 *	3.88 *	2.68 *	1.85 *	1.56
3	8.10 *	15.64 *	13.98 *	11.22 *	8.18 *	5.70 *	3.94 *	2.73 *	1.89 *	1.60
1	8.27 *	16.16 *	14.51 *	11.56 *	8.34 *	5.74 *	3.95 *	2.74 *	1.89 *	1.60
0	4.20 *	8.27 *	7.43 *	5.91 *	4.24 *	2.91 *	1.99 *	1.36 *	0.93 *	0.79
-1	4.20 *	8.27 *	7.43 *	5.91 *	4.24 *	2.91 *	1.99 *	1.36 *	0.93 *	0.79
	8.27 *	16.16 *	14.51 *	11.56 *	8.34 *	5.74 *	3.95 *	2.74 *	1.89 *	1.60

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-VF-LED-49-HO-WW.IES

LUMENS TABULATION - (Cont.)

-3	8.10 *	15.64 *	13.98 *	11.22 *	8.18 *	5.70 *	3.94 *	2.73 *	1.89 *	1.60
-5	7.94 *	15.19 *	13.41 *	10.72 *	7.88 *	5.58 *	3.88 *	2.68 *	1.85 *	1.56
-7	7.84 *	14.96 *	13.07 *	10.33 *	7.56 *	5.34 *	3.71 *	2.57 *	1.78 *	1.50
-9	7.87 *	15.00 *	13.03 *	10.23 *	7.41 *	5.15 *	3.55 *	2.45 *	1.70 *	1.44
-11	7.97 *	15.14 *	13.07 *	10.20 *	7.32 *	5.05 *	3.47 *	2.38 *	1.64	1.39
-13	8.03 *	15.18 *	13.05 *	10.15 *	7.23 *	4.96 *	3.38 *	2.31 *	1.60	1.35
-15	7.94 *	14.98 *	12.90 *	10.03 *	7.13 *	4.86 *	3.27 *	2.24 *	1.53	1.30
-17	9.35 *	17.64 *	15.24 *	11.94 *	8.45 *	5.74 *	3.86 *	2.61 *	1.81	1.53
-19.5	9.69 *	18.31 *	15.83 *	12.52 *	8.98 *	6.11 *	4.15 *	2.78 *	1.93	1.67
-22.5	7.66 *	14.52 *	12.54 *	9.95 *	7.34 *	5.07 *	3.45 *	2.37	1.63	1.43
-25.5	6.41 *	12.17 *	10.53 *	8.35 *	6.30 *	4.52 *	3.13 *	2.20	1.57	1.38
-29	4.57 *	8.73 *	7.64 *	6.13 *	4.73 *	3.56 *	2.57	1.84	1.38	1.25
-33	2.81 *	5.42 *	4.85 *	4.01 *	3.21	2.51	1.93	1.45	1.11	1.06
-37.5	1.53	3.00	2.76	2.37	1.98	1.62	1.32	1.06	0.84	0.84
-42.5	0.71	1.42	1.34	1.19	1.04	0.89	0.76	0.64	0.54	0.56
-47.5	0.48	0.95	0.91	0.84	0.77	0.69	0.62	0.55	0.48	0.53
-55	0.24	0.47	0.46	0.44	0.42	0.40	0.37	0.34	0.31	0.37
-65	0.07	0.14	0.14	0.14	0.13	0.12	0.11	0.11	0.10	0.12
-75	0.02	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.03
-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	223.40	426.64	373.42	296.52	217.33	153.06	106.83	74.86	53.07	46.61

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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02
75	0.14	0.13	0.13	0.13	0.13	0.12	0.10	0.10	0.08	0.03
65	0.40	0.34	0.34	0.32	0.31	0.29	0.23	0.23	0.16	0.06
55	0.56	0.47	0.46	0.44	0.41	0.39	0.32	0.31	0.20	0.07

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-VF-LED-49-HO-WW.IES

LUMENS TABULATION - (Cont.)

47.5	0.56	0.46	0.45	0.43	0.39	0.36	0.30	0.29	0.18	0.06
42.5	0.79	0.61	0.57	0.52	0.47	0.41	0.33	0.33	0.21	0.07
37.5	0.92	0.68	0.61	0.53	0.46	0.39	0.30	0.32	0.22	0.07
33	1.04	0.74	0.63	0.53	0.44	0.37	0.28	0.31	0.23	0.07
29	1.14	0.77	0.63	0.52	0.42	0.35	0.27	0.29	0.22	0.07
25.5	1.16	0.78	0.62	0.49	0.39	0.32	0.24	0.27	0.20	0.07
22.5	1.32	0.88	0.70	0.55	0.43	0.34	0.25	0.28	0.21	0.07
19.5	1.20	0.79	0.63	0.49	0.38	0.29	0.21	0.24	0.18	0.06
17	1.01	0.66	0.53	0.41	0.32	0.24	0.17	0.19	0.15	0.05
15	1.05	0.68	0.55	0.43	0.33	0.24	0.18	0.20	0.15	0.05
13	1.08	0.70	0.56	0.44	0.34	0.25	0.18	0.20	0.15	0.05
11	1.11	0.72	0.58	0.45	0.35	0.26	0.19	0.20	0.15	0.05
9	1.16	0.75	0.59	0.47	0.36	0.27	0.19	0.20	0.15	0.05
7	1.21	0.78	0.62	0.49	0.37	0.28	0.20	0.21	0.15	0.05
5	1.23	0.80	0.65	0.52	0.39	0.28	0.20	0.21	0.15	0.05
3	1.24	0.82	0.67	0.53	0.40	0.29	0.21	0.22	0.15	0.05
1	0.62	0.41	0.34	0.27	0.20	0.14	0.10	0.11	0.08	0.02
0	0.62	0.41	0.34	0.27	0.20	0.14	0.10	0.11	0.08	0.02
-1	1.24	0.82	0.67	0.53	0.40	0.29	0.21	0.22	0.15	0.05
-3	1.23	0.80	0.65	0.52	0.39	0.28	0.20	0.21	0.15	0.05
-5	1.21	0.78	0.62	0.49	0.37	0.28	0.20	0.21	0.15	0.05
-7	1.16	0.75	0.59	0.47	0.36	0.27	0.19	0.20	0.15	0.05
-9	1.11	0.72	0.58	0.45	0.35	0.26	0.19	0.20	0.15	0.05
-11	1.08	0.70	0.56	0.44	0.34	0.25	0.18	0.20	0.15	0.05
-13	1.05	0.68	0.55	0.43	0.33	0.24	0.18	0.20	0.15	0.05
-15	1.01	0.66	0.53	0.41	0.32	0.24	0.17	0.19	0.15	0.05
-17	1.20	0.79	0.63	0.49	0.38	0.29	0.21	0.24	0.18	0.06
-19.5	1.32	0.88	0.70	0.55	0.43	0.34	0.25	0.28	0.21	0.07

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-VF-LED-49-HO-WW.IES

LUMENS TABULATION - (Cont.)

-22.5	1.16	0.78	0.62	0.49	0.39	0.32	0.24	0.27	0.20	0.07
-25.5	1.14	0.77	0.63	0.52	0.42	0.35	0.27	0.29	0.22	0.07
-29	1.04	0.74	0.63	0.53	0.44	0.37	0.28	0.31	0.23	0.07
-33	0.92	0.68	0.61	0.53	0.46	0.39	0.30	0.32	0.22	0.07
-37.5	0.79	0.61	0.57	0.52	0.47	0.41	0.33	0.33	0.21	0.07
-42.5	0.56	0.46	0.45	0.43	0.39	0.36	0.30	0.29	0.18	0.06
-47.5	0.56	0.47	0.46	0.44	0.41	0.39	0.32	0.31	0.20	0.07
-55	0.40	0.34	0.34	0.32	0.31	0.29	0.23	0.23	0.16	0.06
-65	0.14	0.13	0.13	0.13	0.13	0.12	0.10	0.10	0.08	0.03
-75	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02
-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	37.94	26.03	21.77	18.01	14.60	11.84	8.96	9.48	6.80	2.32

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.00	0.00	0.01	
85				
	0.01	0.00	0.53	
75				
	0.01	0.00	2.28	
65				
	0.01	0.00	6.51	
55				
	0.01	0.00	10.46	
47.5				
	0.01	0.00	12.56	
42.5				
	0.01	0.00	21.65	
37.5				
	0.01	0.00	32.86	
33				
	0.01	0.00	47.05	
29				
	0.01	0.00	61.24	
25.5				
	0.01	0.00	70.53	
22.5				
	0.01	0.00	87.00	
19.5				
	0.01	0.00	82.65	
17				
	0.01	0.00	69.93	

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-VF-LED-49-HO-WW.IES

LUMENS TABULATION - (Cont.)

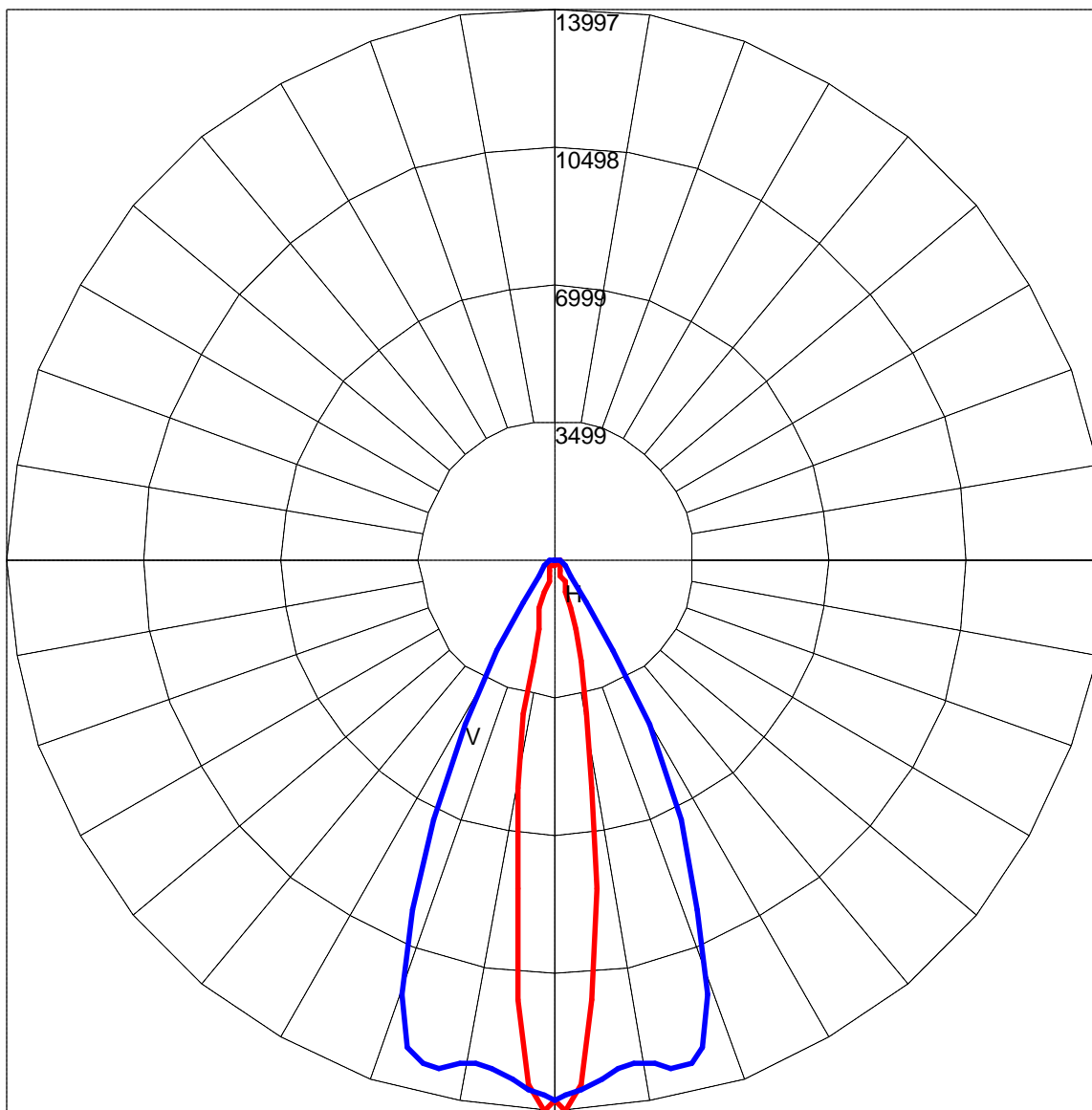
15	0.01	0.00	71.09
13	0.01	0.00	71.58
11	0.01	0.00	71.90
9	0.01	0.00	72.87
7	0.01	0.00	75.06
5	0.01	0.00	77.49
3	0.01	0.00	79.35
1	0.00	0.00	40.35
0	0.00	0.00	40.35
-1	0.01	0.00	79.35
-3	0.01	0.00	77.49
-5	0.01	0.00	75.06
-7	0.01	0.00	72.87
-9	0.01	0.00	71.90
-11	0.01	0.00	71.58
-13	0.01	0.00	71.09
-15	0.01	0.00	69.93
-17	0.01	0.00	82.65
-19.5	0.01	0.00	87.00
-22.5	0.01	0.00	70.53
-25.5	0.01	0.00	61.24
-29	0.01	0.00	47.05
-33	0.01	0.00	32.86
-37.5	0.01	0.00	21.65
-42.5	0.01	0.00	12.56
-47.5	0.01	0.00	10.46
-55	0.01	0.00	6.51
-65	0.01	0.00	2.28

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-VF-LED-49-HO-WW.IES

LUMENS TABULATION - (Cont.)

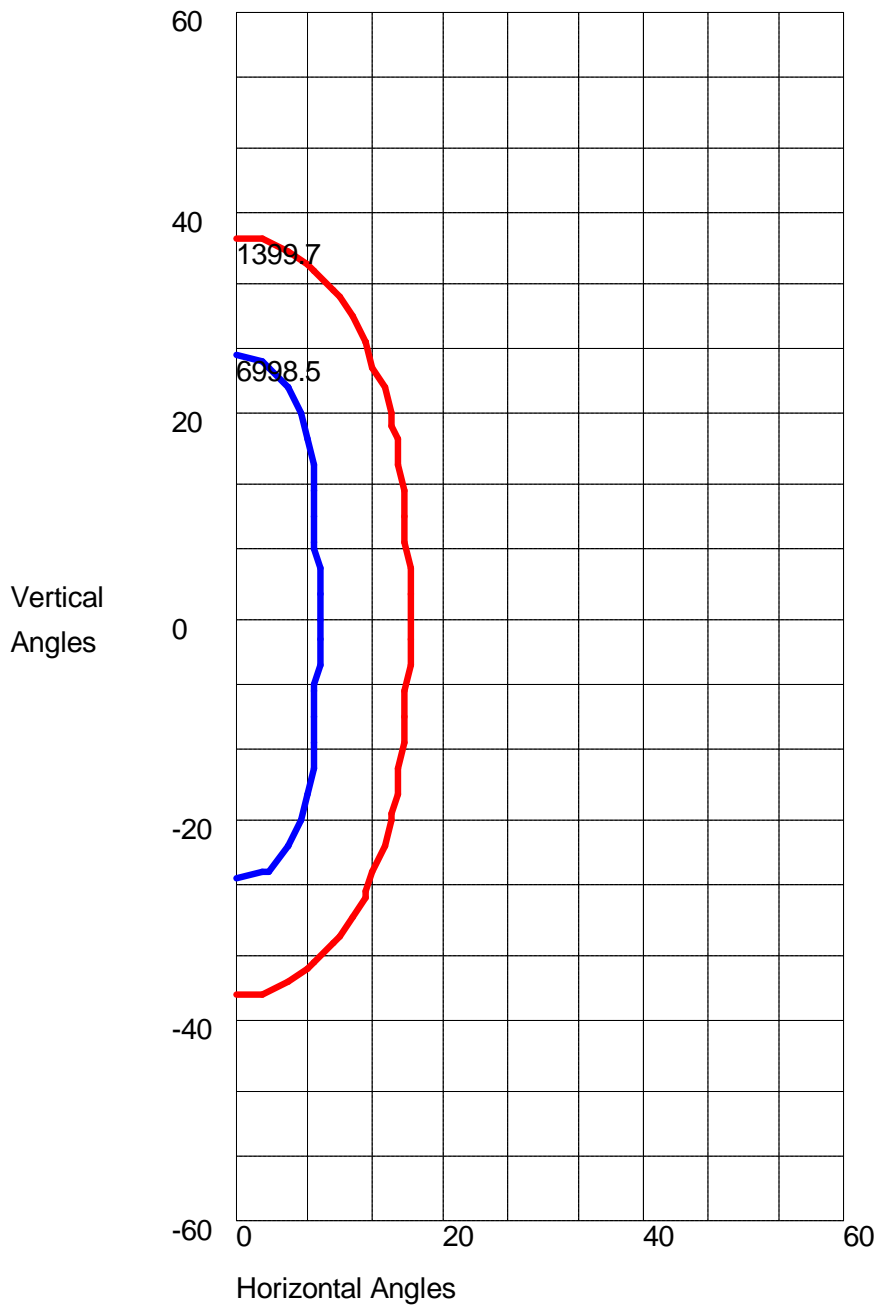
-75	0.01	0.00	0.53
-85	0.00	0.00	0.01
-90			
Total	0.41	0.01	2129.9

AXIAL CANDELA DISPLAY



Maximum Candela = 13997 Located At Horizontal Angle = -1, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 13997 Located At Horizontal Angle = -1, Vertical Angle = 0
50% Maximum Candela = 6998.5
10% Maximum Candela = 1399.7