



IES FLOOD REPORT

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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5280
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/13/14
[TEST DATE]03/13/14
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]XFLM-SP-LED-49-HO-WW
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]4702
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor

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

CHARACTERISTICS

NEMA Type	3 H x 3 V
Maximum Candela	44216
Maximum Candela Angle	-1H 0V
Horizontal Beam Angle (50%)	14.7
Vertical Beam Angle (50%)	14.8
Horizontal Field Angle (10%)	32.2
Vertical Field Angle (10%)	32.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1712
Beam Efficiency	N.A.
Field Lumens	3646
Field Efficiency	N.A.
Spill Lumens	1073
Luminaire Lumens	4719
Total Efficiency	N.A.
Total Luminaire Watts	63.3
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	26	85	2
75	21	75	0
65	59	65	7
55	66	55	56
47.5	96	47.5	73
42.5	122	42.5	122
37.5	198	37.5	176
33	258	33	246
29	388	29	384
25.5	643	25.5	676
22.5	1094	22.5	1181
19.5	2073	19.5	2166
17	3603	17	3558
15	5471	15	5288
13	8048	13	7844
11	11451	11	11875
9	16654	9	16805
7	23317	7	23601
5	32789	5	32382
3	41887	3	40122
1	44216	1	42962
0	42190	0	42190
-1	44216	-1	42962
-3	41887	-3	40122
-5	32789	-5	32382
-7	23317	-7	23601
-9	16654	-9	16805
-11	11451	-11	11875
-13	8048	-13	7844
-15	5471	-15	5288
-17	3603	-17	3558
-19.5	2073	-19.5	2166
-22.5	1094	-22.5	1181
-25.5	643	-25.5	676
-29	388	-29	384
-33	258	-33	246
-37.5	198	-37.5	176
-42.5	122	-42.5	122
-47.5	96	-47.5	73
-55	66	-55	56
-65	59	-65	7
-75	21	-75	0
-85	26	-85	2
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 44216

Beam Edge = 22108 Cd (50% of Max.)

Field Edge = 4421.6 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	2	0	14	1	1	1	2	3	2
75.0	0	7	4	33	12	0	2	10	17	7
65.0	0	12	8	27	13	0	0	5	10	8
55.0	0	17	9	32	21	21	13	6	23	39
47.5	0	20	6	25	36	46	27	17	37	48
42.5	0	22	11	21	49	46	39	34	30	47
37.5	0	24	17	15	54	59	55	45	49	74
33.0	0	25	23	14	48	70	60	68	87	98
29.0	0	25	25	18	41	74	79	98	112	132
25.5	0	26	25	20	46	74	105	122	152	156
22.5	0	26	26	27	50	75	109	148	175	171
19.5	0	26	26	34	62	75	106	161	188	201
17.0	0	27	25	40	68	74	105	161	196	252
15.0	0	27	24	46	72	79	103	159	192	296
13.0	0	27	23	51	75	84	108	152	191	307
11.0	0	27	22	56	78	88	118	153	198	314
9.0	0	27	22	57	80	93	130	165	213	318
7.0	0	27	21	58	82	97	141	176	234	348
5.0	0	26	21	59	77	100	153	188	251	378
3.0	0	26	21	60	73	99	146	195	263	396
1.0	0	26	21	59	68	97	130	197	260	393
0.0	0	26	21	59	66	96	122	198	258	388
-1.0	0	26	21	59	68	97	130	197	260	393
-3.0	0	26	21	60	73	99	146	195	263	396
-5.0	0	26	21	59	77	100	153	188	251	378
-7.0	0	27	21	58	82	97	141	176	234	348
-9.0	0	27	22	57	80	93	130	165	213	318
-11.0	0	27	22	56	78	88	118	153	198	314
-13.0	0	27	23	51	75	84	108	152	191	307
-15.0	0	27	24	46	72	79	103	159	192	296
-17.0	0	27	25	40	68	74	105	161	196	252
-19.5	0	26	26	34	62	75	106	161	188	201
-22.5	0	26	26	27	50	75	109	148	175	171
-25.5	0	26	25	20	46	74	105	122	152	156
-29.0	0	25	25	18	41	74	79	98	112	132
-33.0	0	25	23	14	48	70	60	68	87	98
-37.5	0	24	17	15	54	59	55	45	49	74
-42.5	0	22	11	21	49	46	39	34	30	47
-47.5	0	20	6	25	36	46	27	17	37	48
-55.0	0	17	9	32	21	21	13	6	23	39
-65.0	0	12	8	27	13	0	0	5	10	8
-75.0	0	7	4	33	12	0	2	10	17	7
-85.0	0	2	0	14	1	1	1	2	3	2
-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	2	0	0	0	0	0	0	1	0	0
65.0	4	1	1	1	0	3	11	20	30	39
55.0	35	30	26	26	26	27	33	42	50	58
47.5	42	48	57	56	53	53	55	67	77	86
42.5	71	79	85	90	95	97	96	105	120	137
37.5	102	117	131	132	129	136	138	138	154	169
33.0	125	160	177	179	178	174	182	193	213	238
29.0	137	164	202	234	260	283	295	304	328	373
25.5	154	203	266	320	365	407	459	516	551	605
22.5	207	265	338	431	537	616	726	838	930	1026
19.5	268	347	485	620	788	972	1184	1405	1634	1832
17.0	335	428	629	857	1108	1445	1816	2253	2669	3050
15.0	385	546	789	1112	1518	1975	2584	3249	3917	4551 *
13.0	446	626	962	1452	1987	2693	3579	4617 *	5696 *	6920 *
11.0	489	737	1193	1838	2618	3607	4890 *	6481 *	8009 *	9935 *
9.0	538	824	1419	2286	3316	4710 *	6545 *	8841 *	11068 *	13461 *
7.0	565	911	1630	2720	4069	5856 *	8104 *	11147 *	14380 *	17878 *
5.0	597	995	1814	3095	4689 *	6848 *	9708 *	13230 *	17794 *	23095 *
3.0	637	1069	1994	3434	5185 *	7592 *	10705 *	14999 *	20974 *	28230 *
1.0	647	1100	2079	3623	5493 *	8077 *	11476 *	16064 *	23283 *	32561 *
0.0	643	1094	2073	3603	5471 *	8048 *	11451 *	16654 *	23317 *	32789 *
-1.0	647	1100	2079	3623	5493 *	8077 *	11476 *	16064 *	23283 *	32561 *
-3.0	637	1069	1994	3434	5185 *	7592 *	10705 *	14999 *	20974 *	28230 *
-5.0	597	995	1814	3095	4689 *	6848 *	9708 *	13230 *	17794 *	23095 *
-7.0	565	911	1630	2720	4069	5856 *	8104 *	11147 *	14380 *	17878 *
-9.0	538	824	1419	2286	3316	4710 *	6545 *	8841 *	11068 *	13461 *
-11.0	489	737	1193	1838	2618	3607	4890 *	6481 *	8009 *	9935 *
-13.0	446	626	962	1452	1987	2693	3579	4617 *	5696 *	6920 *
-15.0	385	546	789	1112	1518	1975	2584	3249	3917	4551 *
-17.0	335	428	629	857	1108	1445	1816	2253	2669	3050
-19.5	268	347	485	620	788	972	1184	1405	1634	1832
-22.5	207	265	338	431	537	616	726	838	930	1026
-25.5	154	203	266	320	365	407	459	516	551	605
-29.0	137	164	202	234	260	283	295	304	328	373
-33.0	125	160	177	179	178	174	182	193	213	238
-37.5	102	117	131	132	129	136	138	138	154	169
-42.5	71	79	85	90	95	97	96	105	120	137
-47.5	42	48	57	56	53	53	55	67	77	86
-55.0	35	30	26	26	26	27	33	42	50	58
-65.0	4	1	1	1	0	3	11	20	30	39
-75.0	2	0	0	0	0	0	0	1	0	0
-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	1	2	2	2	1	0	0	0	0	0
75.0	0	0	0	0	0	0	0	1	0	0
65.0	30	15	7	15	30	39	30	20	11	3

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CANDELA TABULATION - (Cont.)

55.0	60	57	56	57	60	58	50	42	33	27
47.5	88	78	73	78	88	86	77	67	55	53
42.5	148	131	122	131	148	137	120	105	96	97
37.5	183	179	176	179	183	169	154	138	138	136
33.0	259	252	246	252	259	238	213	193	182	174
29.0	405	398	384	398	405	373	328	304	295	283
25.5	665	681	676	681	665	605	551	516	459	407
22.5	1122	1176	1181	1176	1122	1026	930	838	726	616
19.5	2024	2142	2166	2142	2024	1832	1634	1405	1184	972
17.0	3365	3550	3558	3550	3365	3050	2669	2253	1816	1445
15.0	5204 *	5472 *	5288 *	5472 *	5204 *	4551 *	3917	3249	2584	1975
13.0	7699 *	8147 *	7844 *	8147 *	7699 *	6920 *	5696 *	4617 *	3579	2693
11.0	11034 *	11821 *	11875 *	11821 *	11034 *	9935 *	8009 *	6481 *	4890 *	3607
9.0	15388 *	16721 *	16805 *	16721 *	15388 *	13461 *	11068 *	8841 *	6545 *	4710 *
7.0	21093 *	23429 *	23601 *	23429 *	21093 *	17878 *	14380 *	11147 *	8104 *	5856 *
5.0	28204 *	32107 *	32382 *	32107 *	28204 *	23095 *	17794 *	13230 *	9708 *	6848 *
3.0	35807 *	39633 *	40122 *	39633 *	35807 *	28230 *	20974 *	14999 *	10705 *	7592 *
1.0	40851 *	43426 *	42962 *	43426 *	40851 *	32561 *	23283 *	16064 *	11476 *	8077 *
0.0	41887 *	44216 *	42190 *	44216 *	41887 *	32789 *	23317 *	16654 *	11451 *	8048 *
-1.0	40851 *	43426 *	42962 *	43426 *	40851 *	32561 *	23283 *	16064 *	11476 *	8077 *
-3.0	35807 *	39633 *	40122 *	39633 *	35807 *	28230 *	20974 *	14999 *	10705 *	7592 *
-5.0	28204 *	32107 *	32382 *	32107 *	28204 *	23095 *	17794 *	13230 *	9708 *	6848 *
-7.0	21093 *	23429 *	23601 *	23429 *	21093 *	17878 *	14380 *	11147 *	8104 *	5856 *
-9.0	15388 *	16721 *	16805 *	16721 *	15388 *	13461 *	11068 *	8841 *	6545 *	4710 *
-11.0	11034 *	11821 *	11875 *	11821 *	11034 *	9935 *	8009 *	6481 *	4890 *	3607
-13.0	7699 *	8147 *	7844 *	8147 *	7699 *	6920 *	5696 *	4617 *	3579	2693
-15.0	5204 *	5472 *	5288 *	5472 *	5204 *	4551 *	3917	3249	2584	1975
-17.0	3365	3550	3558	3550	3365	3050	2669	2253	1816	1445
-19.5	2024	2142	2166	2142	2024	1832	1634	1405	1184	972
-22.5	1122	1176	1181	1176	1122	1026	930	838	726	616
-25.5	665	681	676	681	665	605	551	516	459	407
-29.0	405	398	384	398	405	373	328	304	295	283
-33.0	259	252	246	252	259	238	213	193	182	174
-37.5	183	179	176	179	183	169	154	138	138	136
-42.5	148	131	122	131	148	137	120	105	96	97
-47.5	88	78	73	78	88	86	77	67	55	53
-55.0	60	57	56	57	60	58	50	42	33	27
-65.0	30	15	7	15	30	39	30	20	11	3
-75.0	0	0	0	0	0	0	0	1	0	0
-85.0	1	2	2	2	1	0	0	0	0	0
-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	0	0	0	0	0	2	3	2	1	1
75.0	0	0	0	0	2	7	17	10	2	0
65.0	0	1	1	1	4	8	10	5	0	0
55.0	26	26	26	30	35	39	23	6	13	21
47.5	53	56	57	48	42	48	37	17	27	46
42.5	95	90	85	79	71	47	30	34	39	46
37.5	129	132	131	117	102	74	49	45	55	59
33.0	178	179	177	160	125	98	87	68	60	70
29.0	260	234	202	164	137	132	112	98	79	74
25.5	365	320	266	203	154	156	152	122	105	74

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CANDELA TABULATION - (Cont.)

22.5	537	431	338	265	207	171	175	148	109	75
19.5	788	620	485	347	268	201	188	161	106	75
17.0	1108	857	629	428	335	252	196	161	105	74
15.0	1518	1112	789	546	385	296	192	159	103	79
13.0	1987	1452	962	626	446	307	191	152	108	84
11.0	2618	1838	1193	737	489	314	198	153	118	88
9.0	3316	2286	1419	824	538	318	213	165	130	93
7.0	4069	2720	1630	911	565	348	234	176	141	97
5.0	4689 *	3095	1814	995	597	378	251	188	153	100
3.0	5185 *	3434	1994	1069	637	396	263	195	146	99
1.0	5493 *	3623	2079	1100	647	393	260	197	130	97
0.0	5471 *	3603	2073	1094	643	388	258	198	122	96
-1.0	5493 *	3623	2079	1100	647	393	260	197	130	97
-3.0	5185 *	3434	1994	1069	637	396	263	195	146	99
-5.0	4689 *	3095	1814	995	597	378	251	188	153	100
-7.0	4069	2720	1630	911	565	348	234	176	141	97
-9.0	3316	2286	1419	824	538	318	213	165	130	93
-11.0	2618	1838	1193	737	489	314	198	153	118	88
-13.0	1987	1452	962	626	446	307	191	152	108	84
-15.0	1518	1112	789	546	385	296	192	159	103	79
-17.0	1108	857	629	428	335	252	196	161	105	74
-19.5	788	620	485	347	268	201	188	161	106	75
-22.5	537	431	338	265	207	171	175	148	109	75
-25.5	365	320	266	203	154	156	152	122	105	74
-29.0	260	234	202	164	137	132	112	98	79	74
-33.0	178	179	177	160	125	98	87	68	60	70
-37.5	129	132	131	117	102	74	49	45	55	59
-42.5	95	90	85	79	71	47	30	34	39	46
-47.5	53	56	57	48	42	48	37	17	27	46
-55.0	26	26	26	30	35	39	23	6	13	21
-65.0	0	1	1	1	4	8	10	5	0	0
-75.0	0	0	0	0	2	7	17	10	2	0
-85.0	0	0	0	0	0	2	3	2	1	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	14	0	2	0
75.0	12	33	4	7	0
65.0	13	27	8	12	0
55.0	21	32	9	17	0
47.5	36	25	6	20	0
42.5	49	21	11	22	0
37.5	54	15	17	24	0
33.0	48	14	23	25	0
29.0	41	18	25	25	0
25.5	46	20	25	26	0
22.5	50	27	26	26	0
19.5	62	34	26	26	0
17.0	68	40	25	27	0
15.0	72	46	24	27	0
13.0	75	51	23	27	0
11.0	78	56	22	27	0
9.0	80	57	22	27	0

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CANDELA TABULATION - (Cont.)

7.0	82	58	21	27	0
5.0	77	59	21	26	0
3.0	73	60	21	26	0
1.0	68	59	21	26	0
0.0	66	59	21	26	0
-1.0	68	59	21	26	0
-3.0	73	60	21	26	0
-5.0	77	59	21	26	0
-7.0	82	58	21	27	0
-9.0	80	57	22	27	0
-11.0	78	56	22	27	0
-13.0	75	51	23	27	0
-15.0	72	46	24	27	0
-17.0	68	40	25	27	0
-19.5	62	34	26	26	0
-22.5	50	27	26	26	0
-25.5	46	20	25	26	0
-29.0	41	18	25	25	0
-33.0	48	14	23	25	0
-37.5	54	15	17	24	0
-42.5	49	21	11	22	0
-47.5	36	25	6	20	0
-55.0	21	32	9	17	0
-65.0	13	27	8	12	0
-75.0	12	33	4	7	0
-85.0	1	14	0	2	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) = 2359.32

Total Field Lumens (one side of beam only) = 1822.81

* 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	0.02	0.07	0.10	0.10	0.08	0.05	0.02	0.00	0.00	0.00
55	0.10	0.25	0.28	0.27	0.21	0.16	0.11	0.08	0.08	0.10
47.5	0.15	0.32	0.33	0.31	0.27	0.22	0.19	0.18	0.18	0.22
42.5	0.15	0.34	0.35	0.32	0.28	0.24	0.22	0.22	0.22	0.26
37.5	0.23	0.49	0.48	0.44	0.39	0.36	0.35	0.34	0.33	0.40
33	0.29	0.60	0.58	0.53	0.47	0.44	0.42	0.41	0.41	0.50
29	0.39	0.80	0.77	0.70	0.63	0.58	0.56	0.53	0.50	0.57
25.5	0.57	1.14	1.09	0.98	0.90	0.83	0.75	0.68	0.60	0.65
22.5	0.85	1.66	1.56	1.41	1.28	1.14	0.99	0.85	0.73	0.73
19.5	1.52	2.95	2.74	2.46	2.17	1.87	1.56	1.29	1.04	1.02
17	2.17	4.22	3.90	3.48	3.00	2.50	2.02	1.59	1.23	1.17
15	2.72 *	5.35	4.91	4.30	3.65	2.97	2.33	1.79	1.35	1.22
13	4.07 *	8.07 *	7.41 *	6.39 *	5.27	4.21	3.23	2.42	1.78	1.56
11	6.04 *	11.78 *	10.81 *	9.26 *	7.48 *	5.87 *	4.40	3.22	2.31	1.97
9	8.71 *	16.73 *	15.14 *	12.87 *	10.38 *	8.03 *	5.89 *	4.21	2.95	2.44
7	12.27 *	23.33 *	20.61 *	17.20 *	13.71 *	10.39 *	7.51 *	5.31 *	3.63	2.91
5	16.98 *	31.91 *	27.43 *	22.16 *	17.06 *	12.66 *	9.09 *	6.34 *	4.27	3.35
3	21.97 *	41.32 *	35.05 *	27.29 *	20.21 *	14.59 *	10.38 *	7.19 *	4.80	3.74
1	25.30 *	48.62 *	41.77 *	31.82 *	22.72 *	15.97 *	11.28 *	7.79 *	5.19 *	4.02
0	13.16 *	25.93 *	22.50 *	16.96 *	11.96 *	8.35 *	5.82 *	4.00 *	2.66 *	2.06
-1	13.16 *	25.93 *	22.50 *	16.96 *	11.96 *	8.35 *	5.82 *	4.00 *	2.66 *	2.06
	25.30 *	48.62 *	41.77 *	31.82 *	22.72 *	15.97 *	11.28 *	7.79 *	5.19 *	4.02

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

LUMENS TABULATION - (Cont.)

-3	21.97 *	41.32 *	35.05 *	27.29 *	20.21 *	14.59 *	10.38 *	7.19 *	4.80	3.74
-5	16.98 *	31.91 *	27.43 *	22.16 *	17.06 *	12.66 *	9.09 *	6.34 *	4.27	3.35
-7	12.27 *	23.33 *	20.61 *	17.20 *	13.71 *	10.39 *	7.51 *	5.31 *	3.63	2.91
-9	8.71 *	16.73 *	15.14 *	12.87 *	10.38 *	8.03 *	5.89 *	4.21	2.95	2.44
-11	6.04 *	11.78 *	10.81 *	9.26 *	7.48 *	5.87 *	4.40	3.22	2.31	1.97
-13	4.07 *	8.07 *	7.41 *	6.39 *	5.27	4.21	3.23	2.42	1.78	1.56
-15	2.72 *	5.35	4.91	4.30	3.65	2.97	2.33	1.79	1.35	1.22
-17	2.17	4.22	3.90	3.48	3.00	2.50	2.02	1.59	1.23	1.17
-19.5	1.52	2.95	2.74	2.46	2.17	1.87	1.56	1.29	1.04	1.02
-22.5	0.85	1.66	1.56	1.41	1.28	1.14	0.99	0.85	0.73	0.73
-25.5	0.57	1.14	1.09	0.98	0.90	0.83	0.75	0.68	0.60	0.65
-29	0.39	0.80	0.77	0.70	0.63	0.58	0.56	0.53	0.50	0.57
-33	0.29	0.60	0.58	0.53	0.47	0.44	0.42	0.41	0.41	0.50
-37.5	0.23	0.49	0.48	0.44	0.39	0.36	0.35	0.34	0.33	0.40
-42.5	0.15	0.34	0.35	0.32	0.28	0.24	0.22	0.22	0.22	0.26
-47.5	0.15	0.32	0.33	0.31	0.27	0.22	0.19	0.18	0.18	0.22
-55	0.10	0.25	0.28	0.27	0.21	0.16	0.11	0.08	0.08	0.10
-65	0.02	0.07	0.10	0.10	0.08	0.05	0.02	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
-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	235.39	451.81	395.63	318.49	244.23	182.83	134.23	96.88	68.49	57.79

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	0.01	0.01	0.00	0.00	0.00	0.03	0.02
85	0.00	0.00	0.03	0.08	0.09	0.04	0.01	0.05	0.23	0.13
75	0.00	0.01	0.05	0.11	0.12	0.05	0.01	0.09	0.32	0.19
65	0.12	0.15	0.20	0.21	0.12	0.07	0.09	0.20	0.35	0.20
55	0.26	0.24	0.29	0.29	0.17	0.14	0.22	0.33	0.33	0.14

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

LUMENS TABULATION - (Cont.)

47.5										
	0.29	0.25	0.25	0.21	0.17	0.17	0.21	0.32	0.25	0.08
42.5										
	0.44	0.39	0.35	0.26	0.22	0.25	0.27	0.37	0.26	0.08
37.5										
	0.56	0.47	0.43	0.36	0.31	0.30	0.30	0.37	0.22	0.08
33										
	0.60	0.49	0.47	0.45	0.41	0.36	0.30	0.33	0.18	0.08
29										
	0.62	0.48	0.48	0.50	0.47	0.41	0.31	0.29	0.17	0.08
25.5										
	0.69	0.52	0.49	0.51	0.50	0.42	0.29	0.26	0.16	0.08
22.5										
	0.92	0.68	0.60	0.58	0.56	0.46	0.29	0.28	0.20	0.09
19.5										
	1.01	0.72	0.63	0.55	0.49	0.39	0.24	0.25	0.19	0.08
17										
	1.02	0.71	0.60	0.49	0.40	0.31	0.19	0.21	0.17	0.07
15										
	1.25	0.84	0.68	0.51	0.39	0.30	0.20	0.22	0.19	0.07
13										
	1.50	0.96	0.74	0.53	0.39	0.31	0.21	0.23	0.20	0.08
11										
	1.78	1.08	0.79	0.54	0.41	0.33	0.23	0.24	0.21	0.08
9										
	2.04	1.18	0.84	0.58	0.44	0.36	0.25	0.25	0.21	0.08
7										
	2.28	1.28	0.89	0.63	0.48	0.38	0.26	0.25	0.21	0.08
5										
	2.50	1.38	0.95	0.67	0.50	0.40	0.27	0.25	0.20	0.08
3										
	2.66	1.44	0.98	0.69	0.51	0.39	0.25	0.24	0.20	0.08
1										
	1.35	0.73	0.49	0.34	0.26	0.19	0.12	0.12	0.10	0.04
0										
	1.35	0.73	0.49	0.34	0.26	0.19	0.12	0.12	0.10	0.04
-1										
	2.66	1.44	0.98	0.69	0.51	0.39	0.25	0.24	0.20	0.08
-3										
	2.50	1.38	0.95	0.67	0.50	0.40	0.27	0.25	0.20	0.08
-5										
	2.28	1.28	0.89	0.63	0.48	0.38	0.26	0.25	0.21	0.08
-7										
	2.04	1.18	0.84	0.58	0.44	0.36	0.25	0.25	0.21	0.08
-9										
	1.78	1.08	0.79	0.54	0.41	0.33	0.23	0.24	0.21	0.08
-11										
	1.50	0.96	0.74	0.53	0.39	0.31	0.21	0.23	0.20	0.08
-13										
	1.25	0.84	0.68	0.51	0.39	0.30	0.20	0.22	0.19	0.07
-15										
	1.02	0.71	0.60	0.49	0.40	0.31	0.19	0.21	0.17	0.07
-17										
	1.01	0.72	0.63	0.55	0.49	0.39	0.24	0.25	0.19	0.08
-19.5										
	0.92	0.68	0.60	0.58	0.56	0.46	0.29	0.28	0.20	0.09

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

LUMENS TABULATION - (Cont.)

-22.5	0.69	0.52	0.49	0.51	0.50	0.42	0.29	0.26	0.16	0.08
-25.5	0.62	0.48	0.48	0.50	0.47	0.41	0.31	0.29	0.17	0.08
-29	0.60	0.49	0.47	0.45	0.41	0.36	0.30	0.33	0.18	0.08
-33	0.56	0.47	0.43	0.36	0.31	0.30	0.30	0.37	0.22	0.08
-37.5	0.44	0.39	0.35	0.26	0.22	0.25	0.27	0.37	0.26	0.08
-42.5	0.29	0.25	0.25	0.21	0.17	0.17	0.21	0.32	0.25	0.08
-47.5	0.26	0.24	0.29	0.29	0.17	0.14	0.22	0.33	0.33	0.14
-55	0.12	0.15	0.20	0.21	0.12	0.07	0.09	0.20	0.35	0.20
-65	0.00	0.01	0.05	0.11	0.12	0.05	0.01	0.09	0.32	0.19
-75	0.00	0.00	0.03	0.08	0.09	0.04	0.01	0.05	0.23	0.13
-85	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.03	0.02
-90	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.03	0.02
Total	43.79	27.99	22.43	18.19	14.84	12.07	9.09	10.34	9.16	4.02

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.00	0.00	0.08	
85				
	0.02	0.00	0.69	
75				
	0.04	0.00	1.44	
65				
	0.06	0.00	3.42	
55				
	0.05	0.00	4.83	
47.5				
	0.04	0.00	4.83	
42.5				
	0.05	0.00	6.74	
37.5				
	0.05	0.00	8.12	
33				
	0.05	0.00	9.76	
29				
	0.05	0.00	12.07	
25.5				
	0.04	0.00	15.18	
22.5				
	0.04	0.00	23.34	
19.5				
	0.03	0.00	29.87	
17				
	0.03	0.00	34.79	

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

LUMENS TABULATION - (Cont.)

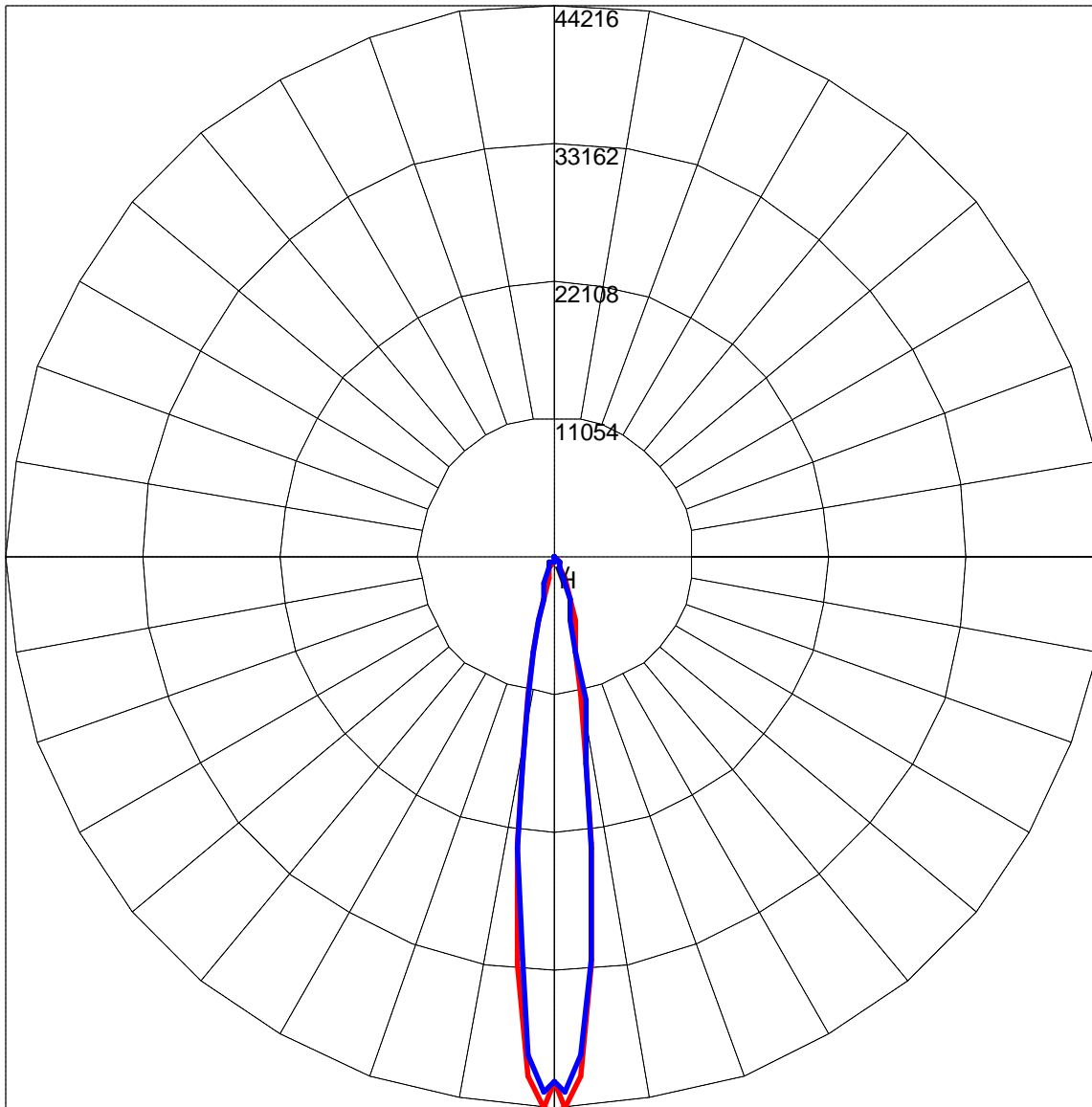
15			
	0.03	0.00	49.08
13			
	0.03	0.00	68.33
11			
	0.03	0.00	93.05
9			
	0.03	0.00	123.12
7			
	0.03	0.00	158.04
5			
	0.02	0.00	193.78
3			
	0.02	0.00	221.96
1			
	0.01	0.00	117.14
0			
	0.01	0.00	117.14
-1			
	0.02	0.00	221.96
-3			
	0.02	0.00	193.78
-5			
	0.03	0.00	158.04
-7			
	0.03	0.00	123.12
-9			
	0.03	0.00	93.05
-11			
	0.03	0.00	68.33
-13			
	0.03	0.00	49.08
-15			
	0.03	0.00	34.79
-17			
	0.03	0.00	29.87
-19.5			
	0.04	0.00	23.34
-22.5			
	0.04	0.00	15.18
-25.5			
	0.05	0.00	12.07
-29			
	0.05	0.00	9.76
-33			
	0.05	0.00	8.12
-37.5			
	0.05	0.00	6.74
-42.5			
	0.04	0.00	4.83
-47.5			
	0.05	0.00	4.83
-55			
	0.06	0.00	3.42
-65			
	0.04	0.00	1.44

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

LUMENS TABULATION - (Cont.)

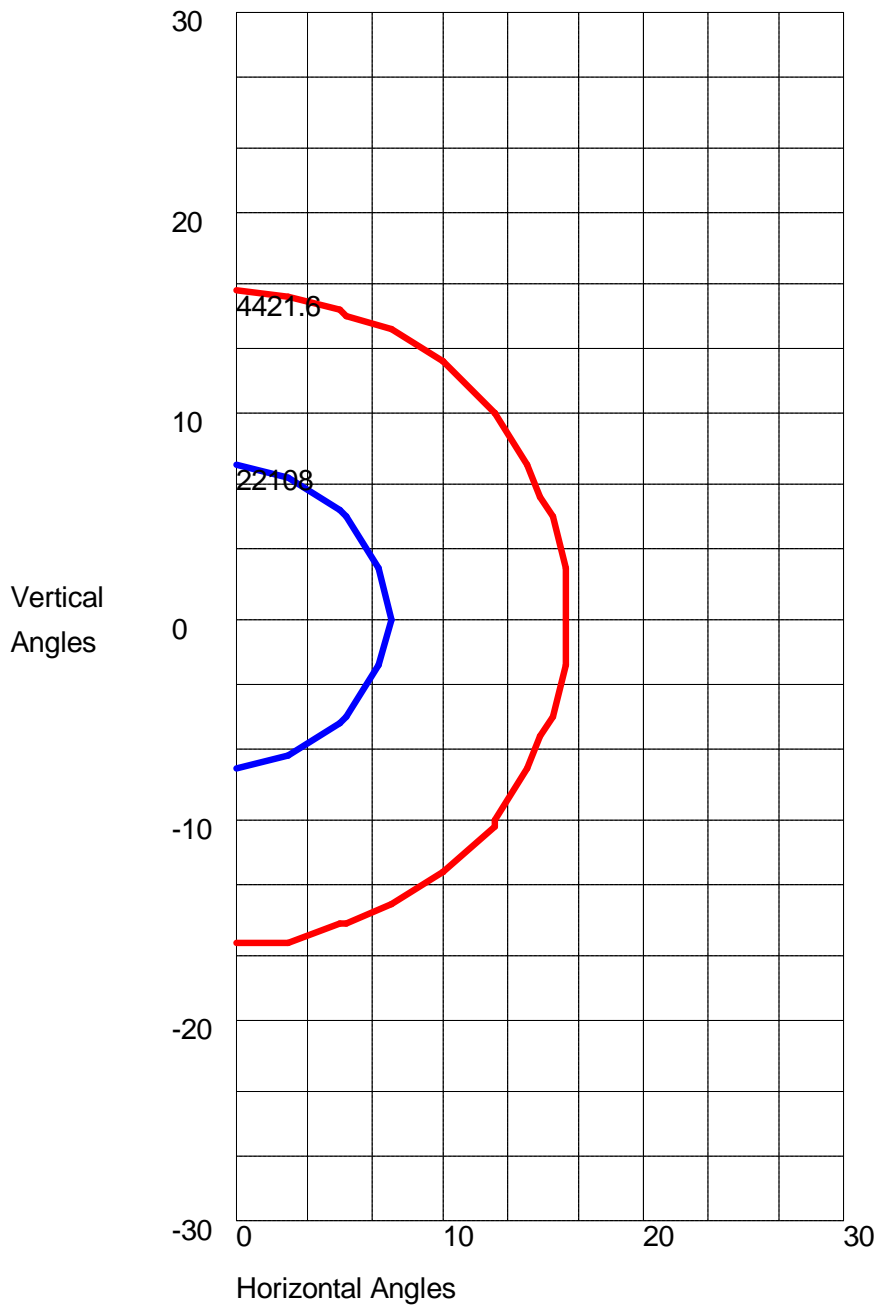
-75	0.02	0.00	0.69
-85	0.00	0.00	0.08
-90			
Total	1.49	0.11	2359.32

AXIAL CANDELA DISPLAY



Maximum Candela = 44216 Located At Horizontal Angle = -1, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 44216 Located At Horizontal Angle = -1, Vertical Angle = 0
50% Maximum Candela = 22108
10% Maximum Candela = 4421.6