



IES FLOOD REPORT

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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5276
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/12/14
[TEST DATE]03/12/14
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]XFLM-SP-LED-49-HO-NW
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]5872
[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	51690
Maximum Candela Angle	-1H 0V
Horizontal Beam Angle (50%)	15.9
Vertical Beam Angle (50%)	13.7
Horizontal Field Angle (10%)	35.0
Vertical Field Angle (10%)	32.7
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1824
Beam Efficiency	N.A.
Field Lumens	4443
Field Efficiency	N.A.
Spill Lumens	1440
Luminaire Lumens	5883
Total Efficiency	N.A.
Total Luminaire Watts	63.1
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	24	85	26
75	26	75	26
65	52	65	40
55	73	55	56
47.5	141	47.5	129
42.5	217	42.5	186
37.5	257	37.5	200
33	412	33	295
29	694	29	461
25.5	1238	25.5	775
22.5	2085	22.5	1351
19.5	3557	19.5	2569
17	5556	17	4377
15	7872	15	6568
13	11096	13	9538
11	15720	11	13334
9	21822	9	18283
7	29652	7	24726
5	39107	5	33744
3	47636	3	43734
1	51690	1	50036
0	50536	0	50536
-1	51690	-1	50036
-3	47636	-3	43734
-5	39107	-5	33744
-7	29652	-7	24726
-9	21822	-9	18283
-11	15720	-11	13334
-13	11096	-13	9538
-15	7872	-15	6568
-17	5556	-17	4377
-19.5	3557	-19.5	2569
-22.5	2085	-22.5	1351
-25.5	1238	-25.5	775
-29	694	-29	461
-33	412	-33	295
-37.5	257	-37.5	200
-42.5	217	-42.5	186
-47.5	141	-47.5	129
-55	73	-55	56
-65	52	-65	40
-75	26	-75	26
-85	24	-85	26
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 51690

Beam Edge = 25845 Cd (50% of Max.)

Field Edge = 5169 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	10	2	14	14	8	7	11
75.0	0	7	1	0	0	5	7	3	1	8
65.0	0	11	1	1	2	20	36	32	25	26
55.0	0	13	3	0	7	12	35	50	53	49
47.5	0	14	8	12	19	43	53	66	67	81
42.5	0	15	10	13	19	51	65	71	91	97
37.5	0	15	13	4	50	73	70	99	132	136
33.0	0	16	17	7	47	69	93	121	138	190
29.0	0	17	19	15	38	79	101	139	181	215
25.5	0	18	20	22	44	86	113	158	206	220
22.5	0	19	20	28	48	87	127	168	219	241
19.5	0	20	21	34	59	91	138	184	229	290
17.0	0	20	21	39	64	97	143	199	250	351
15.0	0	21	21	43	67	105	146	209	262	401
13.0	0	21	21	47	70	113	154	211	274	455
11.0	0	22	22	50	72	120	166	217	294	508
9.0	0	22	23	51	74	127	178	229	321	559
7.0	0	23	23	51	75	133	190	242	353	604
5.0	0	23	24	52	75	138	203	255	382	641
3.0	0	23	25	52	74	141	212	263	404	668
1.0	0	24	26	52	73	141	215	259	410	690
0.0	0	24	26	52	73	141	217	257	412	694
-1.0	0	24	26	52	73	141	215	259	410	690
-3.0	0	23	25	52	74	141	212	263	404	668
-5.0	0	23	24	52	75	138	203	255	382	641
-7.0	0	23	23	51	75	133	190	242	353	604
-9.0	0	22	23	51	74	127	178	229	321	559
-11.0	0	22	22	50	72	120	166	217	294	508
-13.0	0	21	21	47	70	113	154	211	274	455
-15.0	0	21	21	43	67	105	146	209	262	401
-17.0	0	20	21	39	64	97	143	199	250	351
-19.5	0	20	21	34	59	91	138	184	229	290
-22.5	0	19	20	28	48	87	127	168	219	241
-25.5	0	18	20	22	44	86	113	158	206	220
-29.0	0	17	19	15	38	79	101	139	181	215
-33.0	0	16	17	7	47	69	93	121	138	190
-37.5	0	15	13	4	50	73	70	99	132	136
-42.5	0	15	10	13	19	51	65	71	91	97
-47.5	0	14	8	12	19	43	53	66	67	81
-55.0	0	13	3	0	7	12	35	50	53	49
-65.0	0	11	1	1	2	20	36	32	25	26
-75.0	0	7	1	0	0	5	7	3	1	8
-85.0	0	2	0	10	2	14	14	8	7	11
-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	16	12	7	3	0	5	10	16	21	26
75.0	12	12	8	4	1	3	8	14	19	26
65.0	32	37	35	32	30	29	32	34	36	38
55.0	62	75	80	75	69	61	60	65	71	78
47.5	95	95	98	107	116	121	123	120	116	113
42.5	113	131	140	146	155	164	170	175	180	184
37.5	154	183	194	198	204	210	213	215	212	209
33.0	206	212	214	220	227	239	259	277	287	294
29.0	228	239	258	292	321	357	387	409	424	442
25.5	252	311	379	443	491	550	600	650	705	739
22.5	318	421	537	645	739	865	989	1104	1211	1296
19.5	409	554	752	984	1179	1401	1667	1941	2160	2345
17.0	507	713	1029	1381	1736	2100	2526	3040	3529	3894
15.0	596	864	1275	1823	2341	2880	3542	4286	5101	5702 *
13.0	703	1058	1624	2308	3006	3881	4831	5964 *	7224 *	8129 *
11.0	809	1223	1975	2847	3861	5051	6490 *	8183 *	9968 *	11473 *
9.0	905	1451	2316	3438	4732	6417 *	8360 *	10569 *	13319 *	15663 *
7.0	1020	1656	2693	4074	5616 *	7690 *	10349 *	13647 *	17114 *	21019 *
5.0	1103	1816	3054	4709	6558 *	8990 *	12372 *	16613 *	21711 *	26608 *
3.0	1161	1932	3386	5260 *	7383 *	10250 *	14196 *	19508 *	26195 *	33235 *
1.0	1216	2038	3563	5596 *	7944 *	11218 *	15903 *	21912 *	29434 *	38415 *
0.0	1238	2085	3557	5556 *	7872 *	11096 *	15720 *	21822 *	29652 *	39107 *
-1.0	1216	2038	3563	5596 *	7944 *	11218 *	15903 *	21912 *	29434 *	38415 *
-3.0	1161	1932	3386	5260 *	7383 *	10250 *	14196 *	19508 *	26195 *	33235 *
-5.0	1103	1816	3054	4709	6558 *	8990 *	12372 *	16613 *	21711 *	26608 *
-7.0	1020	1656	2693	4074	5616 *	7690 *	10349 *	13647 *	17114 *	21019 *
-9.0	905	1451	2316	3438	4732	6417 *	8360 *	10569 *	13319 *	15663 *
-11.0	809	1223	1975	2847	3861	5051	6490 *	8183 *	9968 *	11473 *
-13.0	703	1058	1624	2308	3006	3881	4831	5964 *	7224 *	8129 *
-15.0	596	864	1275	1823	2341	2880	3542	4286	5101	5702 *
-17.0	507	713	1029	1381	1736	2100	2526	3040	3529	3894
-19.5	409	554	752	984	1179	1401	1667	1941	2160	2345
-22.5	318	421	537	645	739	865	989	1104	1211	1296
-25.5	252	311	379	443	491	550	600	650	705	739
-29.0	228	239	258	292	321	357	387	409	424	442
-33.0	206	212	214	220	227	239	259	277	287	294
-37.5	154	183	194	198	204	210	213	215	212	209
-42.5	113	131	140	146	155	164	170	175	180	184
-47.5	95	95	98	107	116	121	123	120	116	113
-55.0	62	75	80	75	69	61	60	65	71	78
-65.0	32	37	35	32	30	29	32	34	36	38
-75.0	12	12	8	4	1	3	8	14	19	26
-85.0	16	12	7	3	0	5	10	16	21	26
-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	26	26	26	26	26	26	21	16	10	5
75.0	26	26	26	26	26	26	19	14	8	3
65.0	39	40	40	40	39	38	36	34	32	29

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CANDELA TABULATION - (Cont.)

55.0	75	62	56	62	75	78	71	65	60	61
47.5	114	124	129	124	114	113	116	120	123	121
42.5	188	187	186	187	188	184	180	175	170	164
37.5	207	202	200	202	207	209	212	215	213	210
33.0	299	297	295	297	299	294	287	277	259	239
29.0	460	465	461	465	460	442	424	409	387	357
25.5	758	770	775	770	758	739	705	650	600	550
22.5	1338	1352	1351	1352	1338	1296	1211	1104	989	865
19.5	2530	2599	2569	2599	2530	2345	2160	1941	1667	1401
17.0	4234	4435	4377	4435	4234	3894	3529	3040	2526	2100
15.0	6222 *	6626 *	6568 *	6626 *	6222 *	5702 *	5101	4286	3542	2880
13.0	8918 *	9584 *	9538 *	9584 *	8918 *	8129 *	7224 *	5964 *	4831	3881
11.0	12760 *	13460 *	13334 *	13460 *	12760 *	11473 *	9968 *	8183 *	6490 *	5051
9.0	17606 *	18550 *	18283 *	18550 *	17606 *	15663 *	13319 *	10569 *	8360 *	6417 *
7.0	23378 *	25242 *	24726 *	25242 *	23378 *	21019 *	17114 *	13647 *	10349 *	7690 *
5.0	31326 *	34675 *	33744 *	34675 *	31326 *	26608 *	21711 *	16613 *	12372 *	8990 *
3.0	39567 *	43777 *	43734 *	43777 *	39567 *	33235 *	26195 *	19508 *	14196 *	10250 *
1.0	46169 *	50134 *	50036 *	50134 *	46169 *	38415 *	29434 *	21912 *	15903 *	11218 *
0.0	47636 *	51690 *	50536 *	51690 *	47636 *	39107 *	29652 *	21822 *	15720 *	11096 *
-1.0	46169 *	50134 *	50036 *	50134 *	46169 *	38415 *	29434 *	21912 *	15903 *	11218 *
-3.0	39567 *	43777 *	43734 *	43777 *	39567 *	33235 *	26195 *	19508 *	14196 *	10250 *
-5.0	31326 *	34675 *	33744 *	34675 *	31326 *	26608 *	21711 *	16613 *	12372 *	8990 *
-7.0	23378 *	25242 *	24726 *	25242 *	23378 *	21019 *	17114 *	13647 *	10349 *	7690 *
-9.0	17606 *	18550 *	18283 *	18550 *	17606 *	15663 *	13319 *	10569 *	8360 *	6417 *
-11.0	12760 *	13460 *	13334 *	13460 *	12760 *	11473 *	9968 *	8183 *	6490 *	5051
-13.0	8918 *	9584 *	9538 *	9584 *	8918 *	8129 *	7224 *	5964 *	4831	3881
-15.0	6222 *	6626 *	6568 *	6626 *	6222 *	5702 *	5101	4286	3542	2880
-17.0	4234	4435	4377	4435	4234	3894	3529	3040	2526	2100
-19.5	2530	2599	2569	2599	2530	2345	2160	1941	1667	1401
-22.5	1338	1352	1351	1352	1338	1296	1211	1104	989	865
-25.5	758	770	775	770	758	739	705	650	600	550
-29.0	460	465	461	465	460	442	424	409	387	357
-33.0	299	297	295	297	299	294	287	277	259	239
-37.5	207	202	200	202	207	209	212	215	213	210
-42.5	188	187	186	187	188	184	180	175	170	164
-47.5	114	124	129	124	114	113	116	120	123	121
-55.0	75	62	56	62	75	78	71	65	60	61
-65.0	39	40	40	40	39	38	36	34	32	29
-75.0	26	26	26	26	26	26	19	14	8	3
-85.0	26	26	26	26	26	26	21	16	10	5
-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	3	7	12	16	11	7	8	14	14
75.0	1	4	8	12	12	8	1	3	7	5
65.0	30	32	35	37	32	26	25	32	36	20
55.0	69	75	80	75	62	49	53	50	35	12
47.5	116	107	98	95	95	81	67	66	53	43
42.5	155	146	140	131	113	97	91	71	65	51
37.5	204	198	194	183	154	136	132	99	70	73
33.0	227	220	214	212	206	190	138	121	93	69
29.0	321	292	258	239	228	215	181	139	101	79
25.5	491	443	379	311	252	220	206	158	113	86

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CANDELA TABULATION - (Cont.)

22.5	739	645	537	421	318	241	219	168	127	87
19.5	1179	984	752	554	409	290	229	184	138	91
17.0	1736	1381	1029	713	507	351	250	199	143	97
15.0	2341	1823	1275	864	596	401	262	209	146	105
13.0	3006	2308	1624	1058	703	455	274	211	154	113
11.0	3861	2847	1975	1223	809	508	294	217	166	120
9.0	4732	3438	2316	1451	905	559	321	229	178	127
7.0	5616 *	4074	2693	1656	1020	604	353	242	190	133
5.0	6558 *	4709	3054	1816	1103	641	382	255	203	138
3.0	7383 *	5260 *	3386	1932	1161	668	404	263	212	141
1.0	7944 *	5596 *	3563	2038	1216	690	410	259	215	141
0.0	7872 *	5556 *	3557	2085	1238	694	412	257	217	141
-1.0	7944 *	5596 *	3563	2038	1216	690	410	259	215	141
-3.0	7383 *	5260 *	3386	1932	1161	668	404	263	212	141
-5.0	6558 *	4709	3054	1816	1103	641	382	255	203	138
-7.0	5616 *	4074	2693	1656	1020	604	353	242	190	133
-9.0	4732	3438	2316	1451	905	559	321	229	178	127
-11.0	3861	2847	1975	1223	809	508	294	217	166	120
-13.0	3006	2308	1624	1058	703	455	274	211	154	113
-15.0	2341	1823	1275	864	596	401	262	209	146	105
-17.0	1736	1381	1029	713	507	351	250	199	143	97
-19.5	1179	984	752	554	409	290	229	184	138	91
-22.5	739	645	537	421	318	241	219	168	127	87
-25.5	491	443	379	311	252	220	206	158	113	86
-29.0	321	292	258	239	228	215	181	139	101	79
-33.0	227	220	214	212	206	190	138	121	93	69
-37.5	204	198	194	183	154	136	132	99	70	73
-42.5	155	146	140	131	113	97	91	71	65	51
-47.5	116	107	98	95	95	81	67	66	53	43
-55.0	69	75	80	75	62	49	53	50	35	12
-65.0	30	32	35	37	32	26	25	32	36	20
-75.0	1	4	8	12	12	8	1	3	7	5
-85.0	0	3	7	12	16	11	7	8	14	14
-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	2	10	0	2	0
75.0	0	0	1	7	0
65.0	2	1	1	11	0
55.0	7	0	3	13	0
47.5	19	12	8	14	0
42.5	19	13	10	15	0
37.5	50	4	13	15	0
33.0	47	7	17	16	0
29.0	38	15	19	17	0
25.5	44	22	20	18	0
22.5	48	28	20	19	0
19.5	59	34	21	20	0
17.0	64	39	21	20	0
15.0	67	43	21	21	0
13.0	70	47	21	21	0
11.0	72	50	22	22	0
9.0	74	51	23	22	0

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CANDELA TABULATION - (Cont.)

7.0	75	51	23	23	0
5.0	75	52	24	23	0
3.0	74	52	25	23	0
1.0	73	52	26	24	0
0.0	73	52	26	24	0
-1.0	73	52	26	24	0
-3.0	74	52	25	23	0
-5.0	75	52	24	23	0
-7.0	75	51	23	23	0
-9.0	74	51	23	22	0
-11.0	72	50	22	22	0
-13.0	70	47	21	21	0
-15.0	67	43	21	21	0
-17.0	64	39	21	20	0
-19.5	59	34	21	20	0
-22.5	48	28	20	19	0
-25.5	44	22	20	18	0
-29.0	38	15	19	17	0
-33.0	47	7	17	16	0
-37.5	50	4	13	15	0
-42.5	19	13	10	15	0
-47.5	19	12	8	14	0
-55.0	7	0	3	13	0
-65.0	2	1	1	11	0
-75.0	0	0	1	7	0
-85.0	2	10	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) = 2941.62

Total Field Lumens (one side of beam only) = 2221.59

* 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	0.02	0.04	0.04	0.04	0.03	0.02	0.01	0.00	0.00	0.01
75	0.08	0.16	0.16	0.14	0.11	0.07	0.04	0.01	0.01	0.04
65	0.10	0.20	0.20	0.18	0.16	0.13	0.11	0.09	0.10	0.14
55	0.15	0.33	0.35	0.34	0.31	0.29	0.27	0.28	0.30	0.40
47.5	0.21	0.43	0.43	0.43	0.42	0.41	0.41	0.41	0.40	0.49
42.5	0.24	0.47	0.46	0.45	0.45	0.44	0.43	0.41	0.38	0.44
37.5	0.30	0.60	0.60	0.59	0.59	0.58	0.56	0.54	0.51	0.61
33	0.34	0.69	0.69	0.68	0.67	0.65	0.62	0.59	0.56	0.67
29	0.46	0.93	0.91	0.88	0.84	0.80	0.74	0.68	0.62	0.71
25.5	0.66	1.31	1.28	1.22	1.15	1.07	0.99	0.89	0.79	0.87
22.5	0.97	1.93	1.88	1.80	1.66	1.50	1.34	1.17	1.02	1.09
19.5	1.80	3.57	3.42	3.19	2.90	2.57	2.20	1.85	1.56	1.58
17	2.66	5.25	4.94	4.52	4.02	3.44	2.87	2.37	1.93	1.87
15	3.35 *	6.55 *	6.09	5.52	4.81	4.02	3.29	2.68	2.13	1.99
13	4.92 *	9.54 *	8.80 *	7.92 *	6.81 *	5.59	4.51	3.58	2.78	2.54
11	6.99 *	13.61 *	12.54 *	11.15 *	9.45 *	7.64 *	6.03	4.67	3.52	3.17
9	9.69 *	18.99 *	17.47 *	15.27 *	12.68 *	10.08 *	7.84 *	5.93	4.36	3.82
7	13.22 *	25.81 *	23.60 *	20.33 *	16.48 *	12.88 *	9.78 *	7.23 *	5.23	4.53
5	18.03 *	34.89 *	31.09 *	26.19 *	20.84 *	15.89 *	11.74 *	8.53 *	6.14 *	5.25
3	23.75 *	45.46 *	39.73 *	32.64 *	25.35 *	18.81 *	13.65 *	9.81 *	7.00 *	5.93
1	28.58 *	54.69 *	47.82 *	38.56 *	29.27 *	21.45 *	15.36 *	10.87 *	7.67 *	6.44
0	15.41 *	29.78 *	26.03 *	20.69 *	15.51 *	11.30 *	8.04 *	5.63 *	3.95 *	3.30
-1	15.41 *	29.78 *	26.03 *	20.69 *	15.51 *	11.30 *	8.04 *	5.63 *	3.95 *	3.30
	28.58 *	54.69 *	47.82 *	38.56 *	29.27 *	21.45 *	15.36 *	10.87 *	7.67 *	6.44

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

LUMENS TABULATION - (Cont.)

-3	23.75 *	45.46 *	39.73 *	32.64 *	25.35 *	18.81 *	13.65 *	9.81 *	7.00 *	5.93
-5	18.03 *	34.89 *	31.09 *	26.19 *	20.84 *	15.89 *	11.74 *	8.53 *	6.14 *	5.25
-7	13.22 *	25.81 *	23.60 *	20.33 *	16.48 *	12.88 *	9.78 *	7.23 *	5.23	4.53
-9	9.69 *	18.99 *	17.47 *	15.27 *	12.68 *	10.08 *	7.84 *	5.93	4.36	3.82
-11	6.99 *	13.61 *	12.54 *	11.15 *	9.45 *	7.64 *	6.03	4.67	3.52	3.17
-13	4.92 *	9.54 *	8.80 *	7.92 *	6.81 *	5.59	4.51	3.58	2.78	2.54
-15	3.35 *	6.55 *	6.09	5.52	4.81	4.02	3.29	2.68	2.13	1.99
-17	2.66	5.25	4.94	4.52	4.02	3.44	2.87	2.37	1.93	1.87
-19.5	1.80	3.57	3.42	3.19	2.90	2.57	2.20	1.85	1.56	1.58
-22.5	0.97	1.93	1.88	1.80	1.66	1.50	1.34	1.17	1.02	1.09
-25.5	0.66	1.31	1.28	1.22	1.15	1.07	0.99	0.89	0.79	0.87
-29	0.46	0.93	0.91	0.88	0.84	0.80	0.74	0.68	0.62	0.71
-33	0.34	0.69	0.69	0.68	0.67	0.65	0.62	0.59	0.56	0.67
-37.5	0.30	0.60	0.60	0.59	0.59	0.58	0.56	0.54	0.51	0.61
-42.5	0.24	0.47	0.46	0.45	0.45	0.44	0.43	0.41	0.38	0.44
-47.5	0.21	0.43	0.43	0.43	0.42	0.41	0.41	0.41	0.40	0.49
-55	0.15	0.33	0.35	0.34	0.31	0.29	0.27	0.28	0.30	0.40
-65	0.10	0.20	0.20	0.18	0.16	0.13	0.11	0.09	0.10	0.14
-75	0.08	0.16	0.16	0.14	0.11	0.07	0.04	0.01	0.01	0.04
-85	0.02	0.04	0.04	0.04	0.03	0.02	0.01	0.00	0.00	0.01
-90										
Total	263.88	510.42	457.06	385.45	309.04	239.26	181.65	136.45	101.92	91.83

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										
	0.02	0.03	0.03	0.02	0.02	0.03	0.04	0.03	0.02	0.01
85	0.08	0.11	0.11	0.07	0.05	0.09	0.11	0.08	0.05	0.03
75	0.20	0.19	0.18	0.16	0.17	0.23	0.18	0.10	0.01	0.01
65	0.48	0.43	0.40	0.40	0.45	0.45	0.28	0.15	0.04	0.01
55	0.56	0.51	0.51	0.49	0.50	0.45	0.29	0.22	0.11	0.04

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

LUMENS TABULATION - (Cont.)

47.5										
	0.49	0.45	0.46	0.44	0.41	0.37	0.29	0.24	0.12	0.06
42.5	0.69	0.61	0.59	0.60	0.55	0.44	0.35	0.34	0.16	0.05
37.5	0.77	0.71	0.73	0.70	0.62	0.50	0.37	0.38	0.18	0.05
33	0.79	0.74	0.80	0.76	0.65	0.53	0.37	0.33	0.16	0.06
29	0.89	0.75	0.76	0.75	0.67	0.52	0.36	0.31	0.16	0.07
25.5	1.05	0.82	0.73	0.69	0.63	0.50	0.33	0.28	0.16	0.07
22.5	1.45	1.07	0.89	0.77	0.67	0.54	0.36	0.31	0.19	0.08
19.5	1.63	1.14	0.92	0.73	0.60	0.48	0.32	0.28	0.19	0.07
17	1.66	1.12	0.88	0.66	0.51	0.41	0.26	0.24	0.16	0.06
15	2.06	1.34	1.02	0.73	0.53	0.42	0.28	0.25	0.17	0.07
13	2.51	1.58	1.17	0.80	0.56	0.44	0.30	0.27	0.18	0.07
11	2.97	1.83	1.32	0.88	0.59	0.46	0.32	0.28	0.19	0.08
9	3.46	2.10	1.46	0.96	0.64	0.49	0.34	0.29	0.19	0.08
7	3.93	2.34	1.60	1.03	0.69	0.52	0.36	0.30	0.19	0.08
5	4.35	2.51	1.69	1.09	0.73	0.54	0.37	0.31	0.19	0.08
3	4.66	2.65	1.77	1.13	0.75	0.55	0.38	0.31	0.19	0.08
1	2.40	1.37	0.91	0.58	0.37	0.28	0.19	0.15	0.10	0.04
0	2.40	1.37	0.91	0.58	0.37	0.28	0.19	0.15	0.10	0.04
-1	4.66	2.65	1.77	1.13	0.75	0.55	0.38	0.31	0.19	0.08
-3	4.35	2.51	1.69	1.09	0.73	0.54	0.37	0.31	0.19	0.08
-5	3.93	2.34	1.60	1.03	0.69	0.52	0.36	0.30	0.19	0.08
-7	3.46	2.10	1.46	0.96	0.64	0.49	0.34	0.29	0.19	0.08
-9	2.97	1.83	1.32	0.88	0.59	0.46	0.32	0.28	0.19	0.08
-11	2.51	1.58	1.17	0.80	0.56	0.44	0.30	0.27	0.18	0.07
-13	2.06	1.34	1.02	0.73	0.53	0.42	0.28	0.25	0.17	0.07
-15	1.66	1.12	0.88	0.66	0.51	0.41	0.26	0.24	0.16	0.06
-17	1.63	1.14	0.92	0.73	0.60	0.48	0.32	0.28	0.19	0.07
-19.5	1.45	1.07	0.89	0.77	0.67	0.54	0.36	0.31	0.19	0.08

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

LUMENS TABULATION - (Cont.)

-22.5	1.05	0.82	0.73	0.69	0.63	0.50	0.33	0.28	0.16	0.07
-25.5	0.89	0.75	0.76	0.75	0.67	0.52	0.36	0.31	0.16	0.07
-29	0.79	0.74	0.80	0.76	0.65	0.53	0.37	0.33	0.16	0.06
-33	0.77	0.71	0.73	0.70	0.62	0.50	0.37	0.38	0.18	0.05
-37.5	0.69	0.61	0.59	0.60	0.55	0.44	0.35	0.34	0.16	0.05
-42.5	0.49	0.45	0.46	0.44	0.41	0.37	0.29	0.24	0.12	0.06
-47.5	0.56	0.51	0.51	0.49	0.50	0.45	0.29	0.22	0.11	0.04
-55	0.48	0.43	0.40	0.40	0.45	0.45	0.28	0.15	0.04	0.01
-65	0.20	0.19	0.18	0.16	0.17	0.23	0.18	0.10	0.01	0.01
-75	0.08	0.11	0.11	0.07	0.05	0.09	0.11	0.08	0.05	0.03
-85	0.02	0.03	0.03	0.02	0.02	0.03	0.04	0.03	0.02	0.01
-90	0.02	0.03	0.03	0.02	0.02	0.03	0.04	0.03	0.02	0.01
Total	74.17	48.79	37.89	28.87	22.74	18.48	12.86	10.87	6.25	2.51

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90	0.00	0.00	0.47	
85	0.01	0.00	1.61	
75	0.03	0.00	2.86	
65	0.04	0.00	6.14	
55	0.04	0.00	7.75	
47.5	0.03	0.00	7.52	
42.5	0.03	0.00	9.91	
37.5	0.04	0.00	11.21	
33	0.04	0.00	12.78	
29	0.03	0.00	15.50	
25.5	0.03	0.00	19.66	
22.5	0.03	0.00	31.00	
19.5	0.03	0.00	40.26	
17	0.02	0.00	46.42	

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

LUMENS TABULATION - (Cont.)

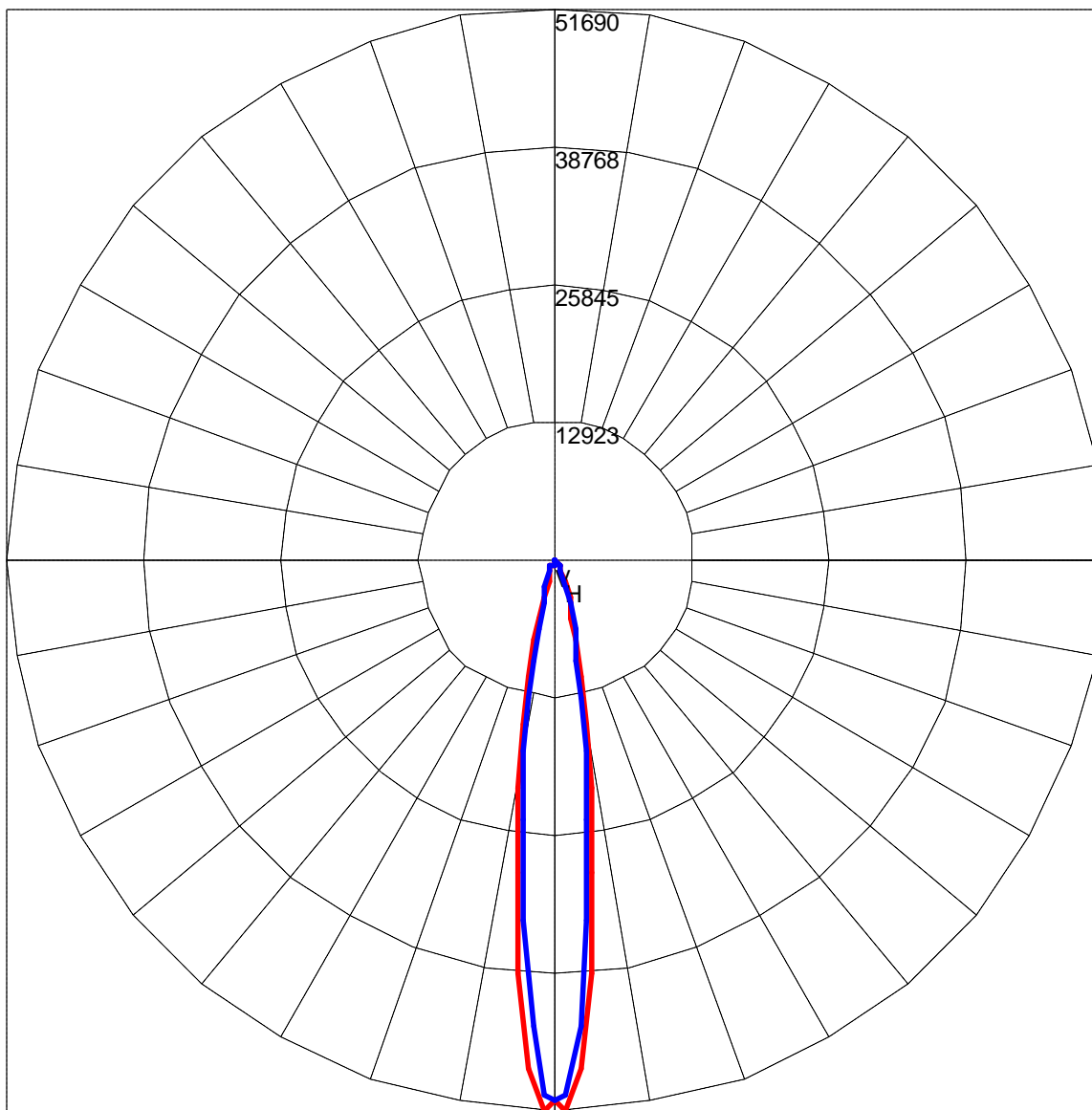
15			
	0.02	0.00	63.89
13			
	0.02	0.00	86.68
11			
	0.02	0.00	115.08
9			
	0.02	0.00	149.12
7			
	0.02	0.00	189.66
5			
	0.03	0.00	234.01
3			
	0.03	0.00	273.22
1			
	0.01	0.00	146.04
0			
	0.01	0.00	146.04
-1			
	0.03	0.00	273.22
-3			
	0.03	0.00	234.01
-5			
	0.02	0.00	189.66
-7			
	0.02	0.00	149.12
-9			
	0.02	0.00	115.08
-11			
	0.02	0.00	86.68
-13			
	0.02	0.00	63.89
-15			
	0.02	0.00	46.42
-17			
	0.03	0.00	40.26
-19.5			
	0.03	0.00	31.00
-22.5			
	0.03	0.00	19.66
-25.5			
	0.03	0.00	15.50
-29			
	0.04	0.00	12.78
-33			
	0.04	0.00	11.21
-37.5			
	0.03	0.00	9.91
-42.5			
	0.03	0.00	7.52
-47.5			
	0.04	0.00	7.75
-55			
	0.04	0.00	6.14
-65			
	0.03	0.00	2.86

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

LUMENS TABULATION - (Cont.)

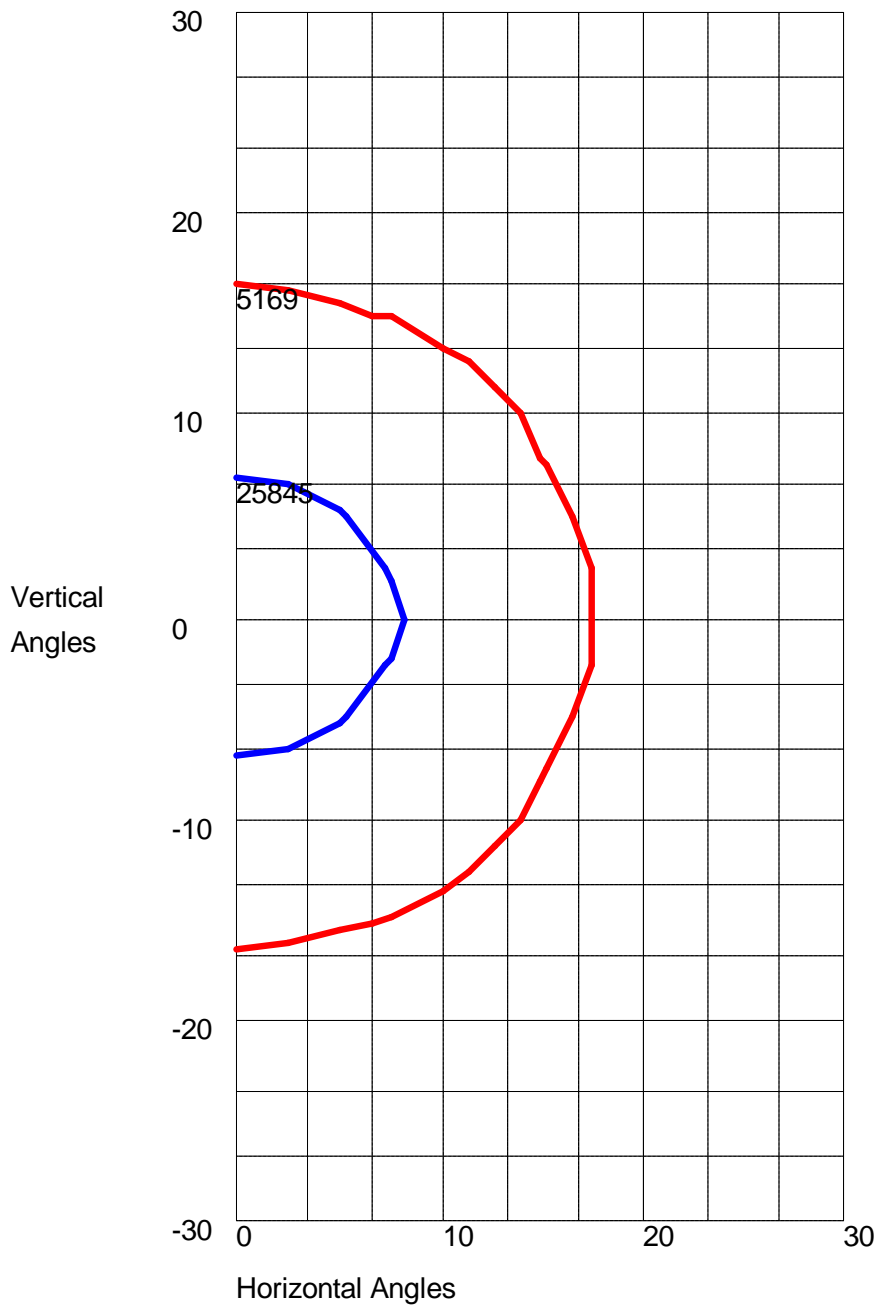
-75	0.01	0.00	1.61
-85	0.00	0.00	0.47
-90			
Total	1.16	0.08	2941.62

AXIAL CANDELA DISPLAY



Maximum Candela = 51690 Located At Horizontal Angle = -1, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 51690 Located At Horizontal Angle = -1, Vertical Angle = 0
50% Maximum Candela = 25845
10% Maximum Candela = 5169