



IES FLOOD REPORT

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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-4351
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]08/16/13
[TEST DATE]08/16/13
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]XFLM-SP-LED-49-HO-CW
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[ABSOLUTE LUMENS]6923
[LUMINAIRE] XFLM
[SEARCH SOURCE TYPE] LED
[SEARCH APPLICATION] Outdoor

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

CHARACTERISTICS

NEMA Type	3 H x 3 V
Maximum Candela	51976
Maximum Candela Angle	-1H 0V
Horizontal Beam Angle (50%)	16.7
Vertical Beam Angle (50%)	15.4
Horizontal Field Angle (10%)	35.7
Vertical Field Angle (10%)	34.3
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	2178
Beam Efficiency	N.A.
Field Lumens	5022
Field Efficiency	N.A.
Spill Lumens	1965
Luminaire Lumens	6986
Total Efficiency	N.A.
Total Luminaire Watts	63
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	88	85	81
75	98	75	92
65	113	65	113
55	167	55	161
47.5	202	47.5	230
42.5	253	42.5	255
37.5	374	37.5	315
33	503	33	441
29	816	29	699
25.5	1344	25.5	1133
22.5	2166	22.5	1867
19.5	3756	19.5	3340
17	5972	17	5391
15	8420	15	7681
13	11573	13	10624
11	16511	11	15225
9	23227	9	21502
7	31664	7	29560
5	41713	5	39598
3	49962	3	48396
1	51976	1	51405
0	51944	0	51944
-1	51976	-1	51405
-3	49962	-3	48396
-5	41713	-5	39598
-7	31664	-7	29560
-9	23227	-9	21502
-11	16511	-11	15225
-13	11573	-13	10624
-15	8420	-15	7681
-17	5972	-17	5391
-19.5	3756	-19.5	3340
-22.5	2166	-22.5	1867
-25.5	1344	-25.5	1133
-29	816	-29	699
-33	503	-33	441
-37.5	374	-37.5	315
-42.5	253	-42.5	255
-47.5	202	-47.5	230
-55	167	-55	161
-65	113	-65	113
-75	98	-75	92
-85	88	-85	81
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 51976

Beam Edge = 25988 Cd (50% of Max.)

Field Edge = 5197.6 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	13	42	54	69	62	64	75	78	72
75.0	0	38	84	74	82	81	85	86	84	84
65.0	0	62	89	85	91	104	103	101	107	109
55.0	0	76	84	85	101	96	117	125	135	140
47.5	0	79	76	93	95	134	140	141	157	170
42.5	0	81	77	94	124	137	149	166	174	191
37.5	0	82	78	95	127	148	173	186	200	230
33.0	0	83	79	98	129	156	184	207	236	269
29.0	0	84	82	103	134	165	200	227	255	294
25.5	0	85	84	107	143	175	212	246	281	331
22.5	0	86	86	111	151	185	220	267	308	376
19.5	0	87	87	115	155	192	231	281	334	431
17.0	0	87	88	118	157	194	236	286	362	489
15.0	0	88	89	120	158	200	244	288	384	538
13.0	0	88	89	122	159	203	250	304	406	587
11.0	0	88	90	123	160	206	253	320	438	645
9.0	0	88	90	123	161	208	257	332	464	696
7.0	0	88	92	122	162	210	260	340	480	745
5.0	0	88	94	121	163	211	262	346	492	788
3.0	0	88	96	117	164	208	262	355	499	818
1.0	0	88	97	114	166	204	256	367	501	817
0.0	0	88	98	113	167	202	253	374	503	816
-1.0	0	88	97	114	166	204	256	367	501	817
-3.0	0	88	96	117	164	208	262	355	499	818
-5.0	0	88	94	121	163	211	262	346	492	788
-7.0	0	88	92	122	162	210	260	340	480	745
-9.0	0	88	91	123	161	208	257	332	464	696
-11.0	0	88	90	123	160	206	253	320	438	645
-13.0	0	88	89	122	159	203	250	304	406	586
-15.0	0	88	89	120	158	200	244	288	384	537
-17.0	0	87	88	118	157	194	236	286	362	489
-19.5	0	87	87	115	155	192	231	281	334	431
-22.5	0	86	86	111	151	185	220	267	308	376
-25.5	0	85	84	107	143	175	212	246	281	330
-29.0	0	84	82	102	134	165	200	227	255	294
-33.0	0	83	79	98	129	156	184	207	236	269
-37.5	0	82	78	95	127	148	173	186	200	230
-42.5	0	81	77	94	124	137	149	166	174	191
-47.5	0	79	76	93	95	134	140	141	156	170
-55.0	0	76	84	85	101	96	117	125	135	140
-65.0	0	62	89	85	91	104	103	101	107	109
-75.0	0	38	84	74	82	81	85	86	84	84
-85.0	0	13	42	54	69	62	64	75	78	72
-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	65	67	70	73	76	79	81	86	91	95
75.0	87	89	89	89	88	87	86	85	85	84
65.0	104	108	113	117	119	121	121	121	119	117
55.0	147	154	160	158	158	160	162	163	162	161
47.5	175	179	183	192	198	203	206	208	209	209
42.5	219	229	233	239	241	246	251	255	258	259
37.5	252	266	276	287	296	304	310	316	322	327
33.0	288	303	319	350	367	378	395	410	423	438
29.0	328	362	412	463	496	529	567	599	630	663
25.5	382	452	549	627	713	788	852	952	1033	1085
22.5	467	577	719	862	1020	1175	1296	1508	1671	1780
19.5	578	741	955	1249	1495	1808	2089	2477	2798	3021
17.0	669	910	1278	1705	2057	2620	3129	3757	4359	4797
15.0	776	1089	1564	2102	2777	3434	4330	5068	6086 *	6837 *
13.0	876	1284	1923	2714	3496	4583	5741 *	6996 *	8236 *	9466 *
11.0	969	1447	2252	3293	4485	5853 *	7384 *	9222 *	11028 *	12934 *
9.0	1100	1699	2700	4015	5330 *	7230 *	9393 *	11793 *	14802 *	17658 *
7.0	1208	1898	3086	4714	6493 *	8606 *	11419 *	15137 *	19139 *	23764 *
5.0	1284	2038	3367	5241 *	7368 *	10058 *	13599 *	18424 *	24316 *	30330 *
3.0	1329	2112	3606	5650 *	8021 *	11025 *	15443 *	21268 *	28410 *	36623 *
1.0	1335	2144	3695	5849 *	8299 *	11301 *	16063 *	22487 *	30561 *	40553 *
0.0	1344	2166	3756	5972 *	8420 *	11573 *	16511 *	23227 *	31664 *	41713 *
-1.0	1335	2145	3695	5849 *	8299 *	11301 *	16063 *	22487 *	30561 *	40553 *
-3.0	1329	2112	3606	5650 *	8021 *	11025 *	15443 *	21257 *	28410 *	36615 *
-5.0	1284	2038	3367	5241 *	7368 *	10058 *	13599 *	18392 *	24316 *	30321 *
-7.0	1208	1898	3086	4714	6474 *	8606 *	11419 *	15137 *	19138 *	23764 *
-9.0	1099	1699	2697	4012	5330 *	7230 *	9393 *	11793 *	14781 *	17658 *
-11.0	968	1447	2252	3293	4484	5853 *	7377 *	9220 *	11028 *	12934 *
-13.0	872	1284	1917	2713	3496	4563	5741 *	6996 *	8236 *	9466 *
-15.0	774	1089	1563	2080	2777	3428	4330	5068	6086 *	6837 *
-17.0	669	909	1278	1705	2057	2620	3129	3756	4359	4797
-19.5	576	740	955	1249	1495	1808	2089	2477	2798	3021
-22.5	467	577	719	859	1020	1175	1291	1508	1671	1780
-25.5	381	452	549	626	713	788	852	952	1033	1085
-29.0	328	362	412	463	496	529	567	599	630	663
-33.0	288	303	319	350	367	378	395	410	423	438
-37.5	252	266	276	287	296	304	310	316	322	327
-42.5	219	229	233	239	241	246	251	255	258	259
-47.5	175	179	183	192	198	203	206	208	209	209
-55.0	147	154	160	158	158	160	162	163	162	161
-65.0	104	108	113	117	119	121	121	121	119	117
-75.0	87	89	89	89	88	87	86	85	85	84
-85.0	65	66	70	73	76	79	82	86	91	95
-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	89	84	81	84	89	95	91	86	82	79
75.0	87	90	92	90	87	84	85	85	86	87
65.0	116	114	113	114	116	117	119	121	121	121

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CANDELA TABULATION - (Cont.)

55.0	160	161	161	161	160	161	162	163	162	160
47.5	215	224	230	224	215	209	209	208	206	203
42.5	258	256	255	256	258	259	258	255	251	246
37.5	327	320	315	320	327	327	322	316	310	304
33.0	449	445	441	445	449	438	423	411	396	378
29.0	682	694	699	694	682	663	631	599	567	529
25.5	1111	1124	1133	1124	1111	1085	1033	952	852	788
22.5	1837	1861	1867	1861	1837	1780	1671	1508	1296	1175
19.5	3214	3309	3340	3309	3217	3030	2799	2477	2089	1808
17.0	5138	5328 *	5391 *	5328 *	5140	4797	4360	3757	3129	2620
15.0	7359 *	7631 *	7681 *	7631 *	7368 *	6848 *	6086 *	5069	4335	3434
13.0	10225 *	10490 *	10624 *	10490 *	10225 *	9476 *	8249 *	7005 *	5745 *	4583
11.0	14443 *	15004 *	15225 *	15004 *	14471 *	12934 *	11028 *	9225 *	7384 *	5853 *
9.0	20019 *	21134 *	21502 *	21134 *	20027 *	17673 *	14834 *	11793 *	9393 *	7230 *
7.0	27046 *	28888 *	29560 *	28888 *	27046 *	23764 *	19139 *	15137 *	11419 *	8606 *
5.0	35699 *	38929 *	39598 *	38929 *	35700 *	30330 *	24316 *	18424 *	13599 *	10058 *
3.0	42734 *	46934 *	48396 *	46934 *	42736 *	36623 *	28410 *	21268 *	15443 *	11025 *
1.0	47998 *	50605 *	51405 *	50605 *	47998 *	40702 *	30790 *	22721 *	16206 *	11398 *
0.0	49962 *	51976 *	51944 *	51976 *	49962 *	41713 *	31664 *	23227 *	16511 *	11573 *
-1.0	47998 *	50605 *	51405 *	50605 *	47998 *	40702 *	30790 *	22721 *	16206 *	11398 *
-3.0	42736 *	46934 *	48396 *	46934 *	42734 *	36615 *	28410 *	21257 *	15443 *	11025 *
-5.0	35699 *	38773 *	39598 *	38773 *	35700 *	30321 *	24316 *	18392 *	13599 *	10058 *
-7.0	27046 *	28663 *	29560 *	28663 *	27046 *	23764 *	19138 *	15137 *	11419 *	8606 *
-9.0	20019 *	20909 *	21502 *	20909 *	20027 *	17673 *	14814 *	11793 *	9393 *	7230 *
-11.0	14443 *	14873 *	15225 *	14873 *	14471 *	12934 *	11028 *	9223 *	7377 *	5853 *
-13.0	10225 *	10399 *	10624 *	10399 *	10225 *	9476 *	8249 *	7005 *	5745 *	4563
-15.0	7359 *	7580 *	7681 *	7580 *	7368 *	6848 *	6086 *	5069	4335	3428
-17.0	5138	5290 *	5391 *	5290 *	5140	4797	4360	3756	3129	2620
-19.5	3214	3288	3340	3288	3217	3030	2799	2477	2089	1808
-22.5	1837	1851	1867	1851	1837	1780	1671	1508	1291	1175
-25.5	1106	1119	1133	1119	1106	1085	1033	952	852	788
-29.0	677	692	699	692	677	663	631	599	567	529
-33.0	446	444	441	444	446	438	423	411	396	378
-37.5	327	320	315	320	327	327	322	316	310	304
-42.5	258	256	255	256	258	259	258	255	251	246
-47.5	215	224	230	224	215	209	209	208	206	203
-55.0	160	161	161	161	160	161	162	163	162	160
-65.0	116	114	113	114	116	117	119	121	121	121
-75.0	87	90	92	90	87	84	85	85	86	87
-85.0	89	84	81	84	89	95	91	86	82	80
-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	76	73	70	66	65	72	78	75	64	62
75.0	88	89	89	89	87	84	84	86	85	81
65.0	119	117	113	108	104	109	107	101	103	104
55.0	158	158	160	154	147	140	135	125	117	96
47.5	198	192	183	179	175	170	157	141	140	134
42.5	241	239	233	229	219	191	175	166	149	137
37.5	296	287	276	266	252	230	200	186	173	148
33.0	367	350	319	303	288	269	236	207	184	156
29.0	496	463	412	362	328	294	256	227	200	165
25.5	713	627	549	452	382	331	281	246	212	175

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CANDELA TABULATION - (Cont.)

22.5	1020	862	719	577	467	376	308	267	220	185
19.5	1499	1249	962	741	578	431	334	281	231	192
17.0	2061	1705	1278	910	671	489	362	286	237	194
15.0	2777	2102	1564	1089	776	538	384	288	244	200
13.0	3496	2714	1923	1284	876	587	406	304	250	203
11.0	4485	3293	2252	1451	969	645	438	320	253	206
9.0	5387 *	4015	2700	1699	1100	696	464	332	257	208
7.0	6493 *	4714	3086	1898	1208	745	480	340	260	210
5.0	7368 *	5241 *	3367	2038	1284	788	492	346	262	211
3.0	8021 *	5650 *	3606	2116	1329	818	500	355	263	209
1.0	8354 *	5890 *	3718	2155	1341	820	503	368	256	205
0.0	8420 *	5972 *	3756	2166	1344	816	503	374	253	202
-1.0	8354 *	5890 *	3718	2155	1341	820	503	368	256	205
-3.0	8021 *	5650 *	3606	2116	1329	818	500	355	263	209
-5.0	7368 *	5241 *	3367	2038	1284	788	492	346	262	211
-7.0	6474 *	4714	3086	1898	1208	745	480	340	260	210
-9.0	5387 *	4012	2697	1699	1099	696	464	332	257	208
-11.0	4484	3293	2252	1450	968	645	438	320	253	206
-13.0	3496	2713	1917	1284	872	586	406	304	250	203
-15.0	2777	2080	1563	1089	774	537	384	288	244	200
-17.0	2061	1705	1278	909	671	489	362	286	237	194
-19.5	1499	1249	961	740	576	431	334	281	231	192
-22.5	1020	859	719	577	467	376	308	267	220	185
-25.5	713	626	549	452	381	330	281	246	212	175
-29.0	496	463	412	362	328	294	256	227	200	165
-33.0	367	350	319	303	288	269	236	207	184	156
-37.5	296	287	276	266	252	230	200	186	173	148
-42.5	241	239	233	229	219	191	175	166	149	137
-47.5	198	192	183	179	175	170	156	141	140	134
-55.0	158	158	160	154	147	140	135	125	117	96
-65.0	119	117	113	108	104	109	107	101	103	104
-75.0	88	89	89	89	87	84	84	86	85	81
-85.0	76	73	70	67	65	72	78	75	64	62
-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	69	54	42	13	0
75.0	82	74	84	38	0
65.0	91	85	89	62	0
55.0	101	85	84	76	0
47.5	95	93	76	79	0
42.5	124	94	77	81	0
37.5	128	95	78	82	0
33.0	130	98	79	83	0
29.0	134	103	82	84	0
25.5	143	107	84	85	0
22.5	151	111	86	86	0
19.5	155	115	87	87	0
17.0	157	118	88	87	0
15.0	158	120	89	88	0
13.0	159	122	89	88	0
11.0	160	123	90	88	0
9.0	161	123	91	88	0

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CANDELA TABULATION - (Cont.)

7.0	162	122	92	88	0
5.0	163	121	94	88	0
3.0	165	117	96	88	0
1.0	166	114	97	88	0
0.0	167	113	98	88	0
-1.0	166	114	97	88	0
-3.0	165	117	96	88	0
-5.0	163	121	94	88	0
-7.0	162	122	92	88	0
-9.0	161	123	90	88	0
-11.0	160	123	90	88	0
-13.0	159	122	89	88	0
-15.0	158	120	89	88	0
-17.0	157	118	88	87	0
-19.5	155	115	87	87	0
-22.5	151	111	86	86	0
-25.5	143	107	84	85	0
-29.0	134	102	82	84	0
-33.0	130	98	79	83	0
-37.5	128	95	78	82	0
-42.5	124	94	77	81	0
-47.5	95	93	76	79	0
-55.0	101	85	84	76	0
-65.0	91	85	89	62	0
-75.0	82	74	84	38	0
-85.0	69	54	42	13	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) = 3493.2

Total Field Lumens (one side of beam only) = 2510.82

* 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	0.06	0.13	0.14	0.14	0.13	0.13	0.12	0.11	0.11	0.13
75	0.26	0.53	0.54	0.54	0.52	0.51	0.50	0.49	0.48	0.58
65	0.31	0.62	0.61	0.61	0.62	0.62	0.62	0.61	0.60	0.74
55	0.42	0.84	0.84	0.85	0.85	0.85	0.84	0.82	0.81	0.99
47.5	0.44	0.87	0.85	0.84	0.84	0.83	0.82	0.80	0.78	0.94
42.5	0.37	0.73	0.71	0.71	0.70	0.69	0.67	0.66	0.64	0.77
37.5	0.44	0.88	0.89	0.88	0.87	0.85	0.83	0.80	0.78	0.94
33	0.52	1.06	1.05	1.03	1.00	0.97	0.93	0.89	0.86	1.00
29	0.69	1.38	1.36	1.31	1.24	1.18	1.11	1.05	0.98	1.12
25.5	0.97	1.92	1.88	1.81	1.70	1.56	1.43	1.31	1.18	1.30
22.5	1.37	2.71	2.65	2.53	2.34	2.07	1.84	1.64	1.42	1.50
19.5	2.37	4.67	4.49	4.21	3.83	3.32	2.85	2.44	2.03	2.05
17	3.31	6.47	6.14	5.67	5.05	4.29	3.59	2.95	2.38	2.35
15	3.96 *	7.75 *	7.34 *	6.69 *	5.81	4.89	4.03	3.22	2.53	2.40
13	5.55 *	10.87 *	10.30 *	9.28 *	7.96 *	6.64 *	5.39	4.22	3.25	3.00
11	7.82 *	15.27 *	14.31 *	12.62 *	10.71 *	8.80 *	7.02 *	5.44	4.10	3.68
9	11.10 *	21.50 *	19.78 *	17.10 *	14.14 *	11.34 *	8.90 *	6.78 *	5.02	4.43
7	15.40 *	29.56 *	26.89 *	22.84 *	18.37 *	14.32 *	10.92 *	8.18 *	6.03	5.25
5	20.86 *	39.75 *	35.50 *	29.55 *	23.23 *	17.57 *	13.01 *	9.61 *	6.97 *	5.93
3	26.48 *	50.01 *	44.18 *	36.25 *	27.88 *	20.62 *	14.93 *	10.78 *	7.69 *	6.46
1	30.06 *	57.31 *	51.04 *	41.30 *	31.06 *	22.63 *	16.07 *	11.44 *	8.16 *	6.81
0	15.68 *	30.52 *	27.39 *	21.91 *	16.31 *	11.77 *	8.28 *	5.86 *	4.19 *	3.49
-1	15.68 *	30.52 *	27.39 *	21.91 *	16.31 *	11.77 *	8.28 *	5.86 *	4.19 *	3.49
	30.06 *	57.31 *	51.04 *	41.30 *	31.05 *	22.63 *	16.07 *	11.44 *	8.16 *	6.81

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

LUMENS TABULATION - (Cont.)

-3	26.45 *	49.97 *	44.17 *	36.25 *	27.86 *	20.61 *	14.93 *	10.78 *	7.69 *	6.46
-5	20.80 *	39.63 *	35.50 *	29.55 *	23.22 *	17.56 *	13.01 *	9.61 *	6.97 *	5.93
-7	15.33 *	29.42 *	26.89 *	22.83 *	18.36 *	14.32 *	10.92 *	8.18 *	6.02	5.25
-9	11.04 *	21.39 *	19.78 *	17.09 *	14.13 *	11.33 *	8.89 *	6.78 *	5.02	4.43
-11	7.79 *	15.21 *	14.31 *	12.62 *	10.71 *	8.80 *	7.01 *	5.44	4.10	3.68
-13	5.53 *	10.83 *	10.30 *	9.28 *	7.96 *	6.64 *	5.38	4.22	3.24	2.99
-15	3.95 *	7.72 *	7.34 *	6.69 *	5.81	4.89	4.03	3.22	2.52	2.40
-17	3.30	6.44	6.14	5.67	5.05	4.29	3.59	2.95	2.38	2.35
-19.5	2.36	4.65	4.49	4.21	3.83	3.31	2.84	2.44	2.03	2.05
-22.5	1.36	2.70	2.65	2.53	2.34	2.07	1.84	1.64	1.41	1.49
-25.5	0.97	1.91	1.88	1.81	1.70	1.56	1.43	1.31	1.18	1.30
-29	0.69	1.38	1.35	1.31	1.24	1.18	1.11	1.05	0.98	1.12
-33	0.52	1.05	1.05	1.03	1.00	0.97	0.93	0.89	0.86	1.00
-37.5	0.44	0.88	0.89	0.88	0.87	0.85	0.83	0.80	0.78	0.94
-42.5	0.37	0.73	0.71	0.71	0.70	0.69	0.67	0.66	0.64	0.77
-47.5	0.44	0.87	0.85	0.84	0.84	0.83	0.82	0.80	0.78	0.94
-55	0.42	0.84	0.84	0.85	0.85	0.85	0.84	0.82	0.81	0.99
-65	0.31	0.62	0.61	0.61	0.62	0.62	0.62	0.61	0.60	0.74
-75	0.26	0.53	0.54	0.54	0.52	0.51	0.50	0.49	0.48	0.58
-85	0.06	0.13	0.14	0.14	0.13	0.13	0.12	0.11	0.11	0.13
-90										
Total	296.58	570.09	517.77	437.35	350.26	272.87	209.37	160.20	121.91	111.68

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										
	0.15	0.14	0.16	0.20	0.21	0.20	0.17	0.23	0.23	0.12
85	0.67	0.64	0.73	0.83	0.90	0.90	0.79	1.05	1.06	0.66
75	0.85	0.81	0.91	1.00	1.06	1.09	1.00	1.28	1.26	0.86
65	1.14	1.07	1.18	1.28	1.31	1.30	1.13	1.40	1.38	0.89
55	1.08	1.03	1.12	1.18	1.17	1.14	0.98	1.14	1.07	0.66

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

LUMENS TABULATION - (Cont.)

47.5	0.88	0.84	0.89	0.90	0.89	0.87	0.75	0.88	0.77	0.44
42.5	1.07	1.01	1.06	1.04	1.02	0.98	0.82	0.96	0.84	0.45
37.5	1.12	1.04	1.11	1.10	1.04	0.98	0.80	0.90	0.77	0.41
33	1.19	1.07	1.12	1.10	1.04	0.95	0.76	0.84	0.71	0.38
29	1.32	1.11	1.11	1.06	0.99	0.90	0.71	0.77	0.65	0.34
25.5	1.47	1.18	1.11	1.01	0.92	0.83	0.64	0.70	0.58	0.30
22.5	1.92	1.48	1.32	1.13	1.00	0.87	0.67	0.73	0.61	0.31
19.5	2.07	1.51	1.28	1.05	0.88	0.75	0.57	0.62	0.52	0.27
17	2.06	1.44	1.17	0.93	0.74	0.61	0.47	0.51	0.42	0.22
15	2.50	1.68	1.32	1.00	0.77	0.63	0.48	0.51	0.43	0.22
13	2.95	1.91	1.46	1.08	0.82	0.66	0.49	0.52	0.43	0.22
11	3.45	2.18	1.62	1.17	0.87	0.68	0.50	0.53	0.43	0.22
9	4.00	2.46	1.78	1.25	0.90	0.69	0.50	0.53	0.43	0.22
7	4.43	2.68	1.91	1.31	0.93	0.70	0.51	0.53	0.43	0.22
5	4.75	2.82	2.00	1.36	0.95	0.71	0.51	0.53	0.43	0.22
3	4.94	2.89	2.04	1.38	0.96	0.72	0.50	0.53	0.43	0.22
1	2.51	1.46	1.02	0.69	0.49	0.36	0.25	0.26	0.21	0.11
0	2.51	1.46	1.02	0.69	0.49	0.36	0.25	0.26	0.21	0.11
-1	4.94	2.89	2.04	1.38	0.96	0.72	0.50	0.53	0.43	0.22
-3	4.75	2.82	2.00	1.36	0.95	0.71	0.51	0.53	0.43	0.22
-5	4.43	2.68	1.91	1.31	0.93	0.70	0.51	0.53	0.43	0.22
-7	4.00	2.46	1.78	1.25	0.90	0.69	0.50	0.53	0.43	0.22
-9	3.45	2.18	1.61	1.17	0.87	0.68	0.50	0.53	0.43	0.22
-11	2.94	1.91	1.46	1.08	0.82	0.66	0.49	0.52	0.43	0.22
-13	2.50	1.68	1.31	1.00	0.77	0.63	0.48	0.51	0.43	0.22
-15	2.06	1.44	1.17	0.93	0.74	0.61	0.47	0.51	0.42	0.22
-17	2.07	1.51	1.28	1.05	0.88	0.75	0.57	0.62	0.52	0.27
-19.5	1.92	1.48	1.31	1.13	1.00	0.87	0.67	0.73	0.61	0.31

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

LUMENS TABULATION - (Cont.)

-22.5	1.47	1.18	1.10	1.01	0.92	0.83	0.64	0.70	0.58	0.30
-25.5	1.32	1.11	1.11	1.06	0.99	0.90	0.71	0.77	0.65	0.34
-29	1.19	1.07	1.12	1.10	1.04	0.95	0.76	0.84	0.71	0.38
-33	1.12	1.04	1.11	1.10	1.04	0.98	0.80	0.90	0.77	0.41
-37.5	1.07	1.01	1.06	1.04	1.02	0.98	0.82	0.96	0.84	0.45
-42.5	0.88	0.84	0.89	0.90	0.89	0.87	0.75	0.88	0.77	0.44
-47.5	1.08	1.03	1.12	1.18	1.17	1.14	0.98	1.14	1.07	0.66
-55	1.14	1.07	1.18	1.28	1.31	1.30	1.13	1.40	1.38	0.89
-65	0.85	0.81	0.91	1.00	1.06	1.09	1.00	1.28	1.26	0.86
-75	0.67	0.64	0.73	0.83	0.90	0.90	0.79	1.05	1.06	0.66
-85	0.15	0.14	0.16	0.20	0.21	0.20	0.17	0.23	0.23	0.12
-90										
Total	93.04	64.89	54.80	46.10	39.75	35.15	28.01	31.92	28.17	15.95

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.04	0.00		3.06
85				
	0.23	0.01		13.43
75				
	0.36	0.02		16.48
65				
	0.41	0.02		20.63
55				
	0.31	0.02		18.91
47.5				
	0.21	0.01		14.98
42.5				
	0.21	0.01		17.61
37.5				
	0.19	0.01		18.79
33				
	0.17	0.01		20.75
29				
	0.15	0.01		24.19
25.5				
	0.14	0.01		28.94
22.5				
	0.14	0.01		42.44
19.5				
	0.12	0.01		51.87
17				
	0.09	0.01		57.29

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

LUMENS TABULATION - (Cont.)

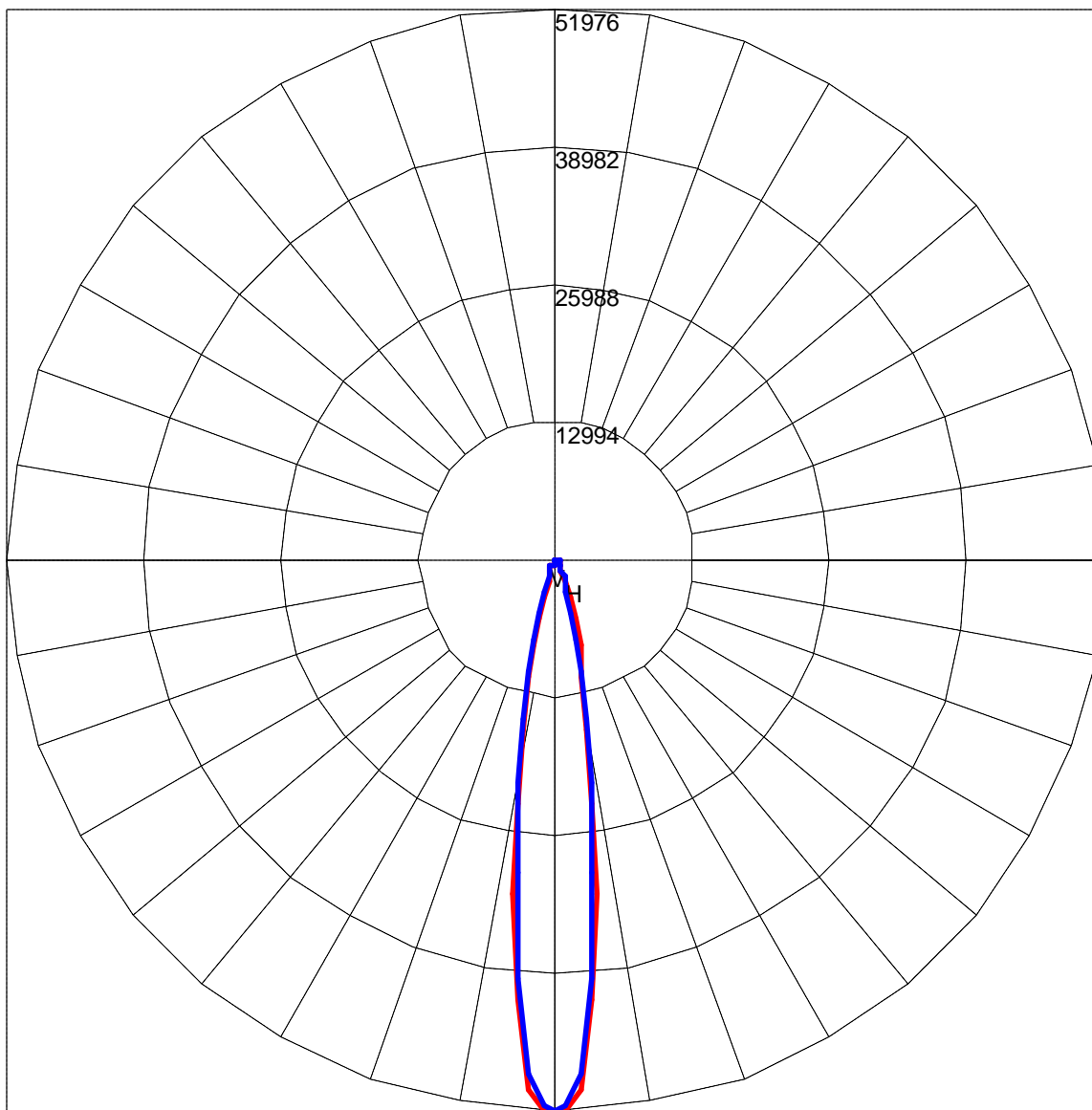
15	0.09	0.01	76.11
13	0.09	0.01	100.42
11	0.09	0.01	131.81
9	0.09	0.01	170.62
7	0.10	0.01	215.76
5	0.10	0.01	259.67
3	0.10	0.01	290.61
1	0.05	0.00	152.84
0	0.05	0.00	152.84
-1	0.10	0.01	290.60
-3	0.10	0.01	259.56
-5	0.10	0.01	215.55
-7	0.09	0.01	170.38
-9	0.09	0.01	131.62
-11	0.09	0.01	100.29
-13	0.09	0.01	76.00
-15	0.09	0.01	57.22
-17	0.12	0.01	51.83
-19.5	0.14	0.01	42.41
-22.5	0.14	0.01	28.92
-25.5	0.15	0.01	24.16
-29	0.17	0.01	20.74
-33	0.19	0.01	18.78
-37.5	0.21	0.01	17.61
-42.5	0.21	0.01	14.98
-47.5	0.31	0.02	18.90
-55	0.41	0.02	20.63
-65	0.36	0.02	16.48

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

LUMENS TABULATION - (Cont.)

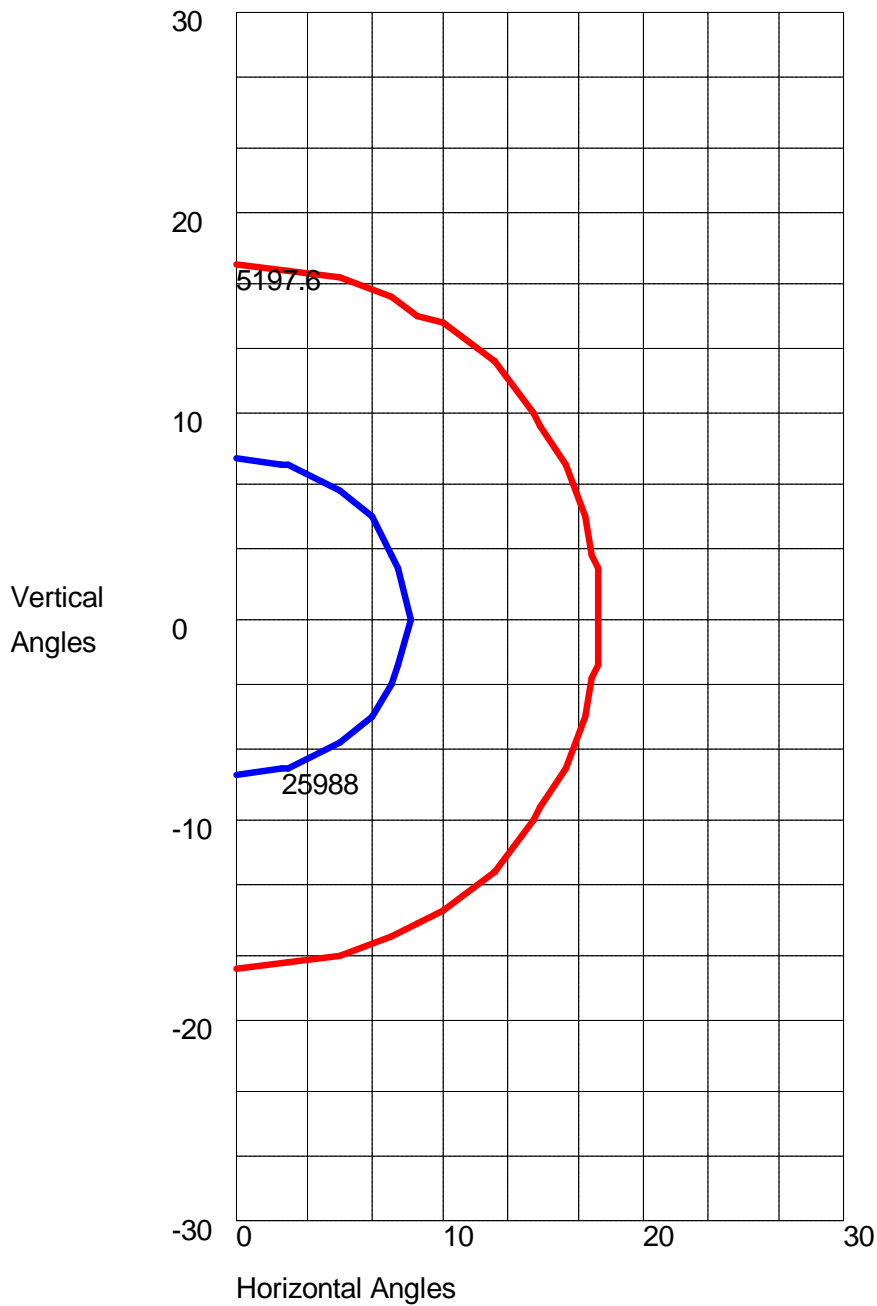
-75	0.23	0.01	13.43
-85	0.04	0.00	3.07
-90			
Total	6.97	0.40	3493.2

AXIAL CANDELA DISPLAY



Maximum Candela = 51976 Located At Horizontal Angle = -1, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 51976 Located At Horizontal Angle = -1, Vertical Angle = 0
50% Maximum Candela = 25988
10% Maximum Candela = 5197.6