



IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-VF-LED-28-HO-CW.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-4144
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]06/10/13
[TEST DATE]06/10/13
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]XFLM-VF-LED-28-HO-CW
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[ABSOLUTE LUMENS]3650
[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 5 V
Maximum Candela	11181
Maximum Candela Angle	-1H 0V
Horizontal Beam Angle (50%)	17.0
Vertical Beam Angle (50%)	52.8
Horizontal Field Angle (10%)	36.4
Vertical Field Angle (10%)	76.3
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1834
Beam Efficiency	N.A.
Field Lumens	3013
Field Efficiency	N.A.
Spill Lumens	665
Luminaire Lumens	3678
Total Efficiency	N.A.
Total Luminaire Watts	36
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	12	85	7
75	19	75	20
65	36	65	43
55	67	55	124
47.5	90	47.5	307
42.5	112	42.5	627
37.5	149	37.5	1222
33	213	33	2487
29	298	29	4275
25.5	420	25.5	6311
22.5	609	22.5	8156
19.5	911	19.5	9761
17	1308	17	10544
15	1778	15	10742
13	2522	13	10682
11	3588	11	10593
9	5117	9	10559
7	7094	7	10623
5	9351	5	10785
3	10821	3	10947
1	11181	1	11101
0	11176	0	11176
-1	11181	-1	11101
-3	10821	-3	10947
-5	9351	-5	10785
-7	7094	-7	10623
-9	5117	-9	10559
-11	3588	-11	10593
-13	2522	-13	10682
-15	1778	-15	10742
-17	1308	-17	10544
-19.5	911	-19.5	9761
-22.5	609	-22.5	8156
-25.5	420	-25.5	6311
-29	298	-29	4275
-33	213	-33	2487
-37.5	149	-37.5	1222
-42.5	112	-42.5	627
-47.5	90	-47.5	307
-55	67	-55	124
-65	36	-65	43
-75	19	-75	20
-85	12	-85	7
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 11181

Beam Edge = 5590.5 Cd (50% of Max.)

Field Edge = 1118.1 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	2	5	8	8	8	8	8	7	8
75.0	0	5	10	11	12	12	13	13	14	15
65.0	0	8	11	12	15	19	21	23	24	27
55.0	0	9	12	17	24	31	34	38	43	49
47.5	0	10	14	21	31	44	52	57	67	76
42.5	0	10	15	24	34	52	60	70	85	100
37.5	0	11	15	26	40	56	65	80	98	120
33.0	0	11	16	29	46	60	73	88	110	138
29.0	0	11	17	32	51	65	80	97	122	158
25.5	0	11	17	34	55	69	84	105	135	181
22.5	0	12	18	35	58	72	88	112	149	202
19.5	0	12	18	36	59	75	92	120	159	224
17.0	0	12	18	36	60	76	93	124	169	237
15.0	0	12	18	37	61	78	95	127	174	243
13.0	0	12	19	37	62	81	99	130	179	249
11.0	0	12	19	37	62	83	102	134	185	258
9.0	0	12	19	37	63	84	105	140	192	267
7.0	0	12	19	37	63	86	108	144	199	276
5.0	0	12	19	37	64	88	110	147	207	287
3.0	0	12	19	37	65	90	111	149	211	295
1.0	0	12	19	36	66	90	112	150	212	296
0.0	0	12	19	36	67	90	112	149	213	298
-1.0	0	12	19	36	66	90	112	150	212	296
-3.0	0	12	19	37	65	90	111	149	211	295
-5.0	0	12	19	37	64	88	110	147	207	287
-7.0	0	12	19	37	63	86	108	144	199	276
-9.0	0	12	19	37	63	84	105	140	192	267
-11.0	0	12	19	37	62	83	102	134	185	258
-13.0	0	12	19	37	62	81	99	130	179	249
-15.0	0	12	18	37	61	78	95	127	174	242
-17.0	0	12	18	36	60	76	93	124	169	237
-19.5	0	12	18	36	59	75	92	120	159	224
-22.5	0	12	18	35	58	72	88	112	149	202
-25.5	0	11	17	34	55	69	84	105	135	181
-29.0	0	11	17	32	51	65	80	97	122	158
-33.0	0	11	16	29	46	60	73	88	110	138
-37.5	0	11	15	26	40	56	65	80	98	120
-42.5	0	10	15	24	34	52	60	70	85	100
-47.5	0	10	14	21	31	44	52	57	67	76
-55.0	0	9	12	17	24	31	34	38	43	49
-65.0	0	8	11	12	15	19	21	23	24	27
-75.0	0	5	10	11	12	12	13	13	14	15
-85.0	0	2	5	8	8	8	8	8	7	8
-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	8	8	8	8	8	8	8	8	8	8
75.0	15	16	16	16	17	18	18	19	20	21
65.0	29	30	32	33	34	35	37	38	40	42
55.0	56	64	72	78	83	88	95	102	109	116
47.5	87	102	119	136	154	174	197	221	247	271
42.5	119	144	177	208	248	296	346	404	467	532
37.5	151	188	251	319	387	482	589	711	847	988
33.0	181	237	326	443	556	704	915	1169 *	1484 *	1857 *
29.0	211	295	416	578	751	972	1340 *	1808 *	2365 *	3077 *
25.5	248	355	519	711	939	1262 *	1767 *	2522 *	3460 *	4492 *
22.5	292	416	604	819	1075	1538 *	2142 *	3127 *	4414 *	5804 *
19.5	326	463	670	949	1260 *	1764 *	2550 *	3663 *	5167 *	6965 *
17.0	335	486	725	1013	1335 *	1932 *	2765 *	3967 *	5531 *	7501 *
15.0	350	506	747	1045	1443 *	2006 *	2826 *	4044 *	5697 *	7645 *
13.0	352	524	776	1095	1465 *	2063 *	2941 *	4167 *	5795 *	7731 *
11.0	362	530	799	1126 *	1562 *	2163 *	3009 *	4287 *	5951 *	7827 *
9.0	385	564	835	1180 *	1571 *	2247 *	3161 *	4420 *	6093 *	7978 *
7.0	402	588	864	1238 *	1705 *	2348 *	3277 *	4601 *	6281 *	8180 *
5.0	414	604	884	1268 *	1774 *	2481 *	3448 *	4826 *	6641 *	8547 *
3.0	418	609	906	1297 *	1795 *	2531 *	3572 *	4998 *	6877 *	8828 *
1.0	418	609	906	1299 *	1777 *	2502 *	3547 *	5032 *	6978 *	9291 *
0.0	420	609	911	1308 *	1778 *	2522 *	3588 *	5117 *	7094 *	9351 *
-1.0	418	609	906	1299 *	1777 *	2502 *	3547 *	5032 *	6978 *	9291 *
-3.0	418	609	906	1297 *	1795 *	2531 *	3570 *	4997 *	6877 *	8828 *
-5.0	414	604	884	1268 *	1774 *	2481 *	3448 *	4824 *	6641 *	8547 *
-7.0	402	588	864	1238 *	1704 *	2348 *	3277 *	4595 *	6281 *	8180 *
-9.0	385	564	834	1180 *	1571 *	2247 *	3161 *	4420 *	6092 *	7978 *
-11.0	362	530	799	1126 *	1562 *	2163 *	3009 *	4287 *	5951 *	7827 *
-13.0	352	524	774	1095	1465 *	2062 *	2941 *	4167 *	5795 *	7731 *
-15.0	350	506	747	1044	1443 *	2006 *	2826 *	4044 *	5697 *	7645 *
-17.0	335	485	725	1013	1335 *	1932 *	2765 *	3967 *	5531 *	7501 *
-19.5	325	463	670	948	1260 *	1764 *	2550 *	3663 *	5167 *	6965 *
-22.5	292	416	604	818	1075	1538 *	2140 *	3124 *	4414 *	5804 *
-25.5	248	355	519	711	939	1262 *	1767 *	2522 *	3460 *	4492 *
-29.0	211	295	416	578	751	972	1340 *	1808 *	2365 *	3077 *
-33.0	180	237	326	443	556	704	915	1169 *	1484 *	1857 *
-37.5	151	188	251	319	387	482	589	711	847	988
-42.5	119	144	177	208	248	296	346	404	467	532
-47.5	87	102	119	136	154	174	197	221	247	271
-55.0	56	64	72	78	83	88	95	102	109	116
-65.0	29	30	32	33	34	35	37	38	40	41
-75.0	15	16	16	16	17	18	18	19	20	21
-85.0	8	8	8	8	8	8	8	8	8	8
-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	8	7	7	7	8	8	8	8	8	8
75.0	21	20	20	20	21	21	20	19	18	18
65.0	43	43	43	43	43	42	40	38	37	35

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CANDELA TABULATION - (Cont.)

55.0	122	124	124	124	122	116	109	102	95	88
47.5	292	303	307	303	292	271	247	221	197	174
42.5	588	616	627	616	588	533	467	404	347	296
37.5	1116	1194 *	1222 *	1194 *	1114	988	849	712	589	482
33.0	2236 *	2425 *	2487 *	2425 *	2236 *	1857 *	1484 *	1172 *	916	705
29.0	3793 *	4158 *	4275 *	4158 *	3793 *	3082 *	2379 *	1808 *	1340 *	972
25.5	5517 *	6109 *	6311 *	6109 *	5517 *	4492 *	3460 *	2522 *	1767 *	1262 *
22.5	7118 *	7886 *	8156 *	7886 *	7118 *	5804 *	4415 *	3124 *	2142 *	1538 *
19.5	8467 *	9396 *	9761 *	9396 *	8484 *	7024 *	5172 *	3663 *	2550 *	1764 *
17.0	9142 *	10141 *	10544 *	10141 *	9148 *	7503 *	5536 *	3967 *	2765 *	1932 *
15.0	9315 *	10341 *	10742 *	10341 *	9338 *	7669 *	5697 *	4045 *	2834 *	2006 *
13.0	9378 *	10320 *	10682 *	10320 *	9378 *	7752 *	5820 *	4182 *	2944 *	2063 *
11.0	9432 *	10283 *	10593 *	10283 *	9454 *	7827 *	5951 *	4290 *	3009 *	2163 *
9.0	9504 *	10292 *	10559 *	10292 *	9508 *	7987 *	6116 *	4420 *	3161 *	2247 *
7.0	9682 *	10384 *	10623 *	10384 *	9682 *	8180 *	6281 *	4595 *	3277 *	2348 *
5.0	9995 *	10614 *	10785 *	10614 *	9995 *	8547 *	6641 *	4826 *	3448 *	2481 *
3.0	10224 *	10837 *	10947 *	10837 *	10223 *	8828 *	6877 *	4998 *	3570 *	2531 *
1.0	10623 *	11055 *	11101 *	11055 *	10623 *	9318 *	7030 *	5088 *	3580 *	2523 *
0.0	10821 *	11181 *	11176 *	11181 *	10821 *	9351 *	7094 *	5117 *	3588 *	2522 *
-1.0	10623 *	11055 *	11101 *	11055 *	10623 *	9318 *	7030 *	5088 *	3580 *	2523 *
-3.0	10223 *	10837 *	10947 *	10837 *	10224 *	8828 *	6877 *	4997 *	3572 *	2531 *
-5.0	9995 *	10609 *	10785 *	10609 *	9995 *	8547 *	6641 *	4824 *	3448 *	2481 *
-7.0	9682 *	10379 *	10623 *	10379 *	9682 *	8180 *	6281 *	4601 *	3277 *	2348 *
-9.0	9504 *	10289 *	10559 *	10289 *	9508 *	7987 *	6115 *	4420 *	3161 *	2247 *
-11.0	9432 *	10283 *	10593 *	10283 *	9454 *	7827 *	5951 *	4290 *	3009 *	2163 *
-13.0	9378 *	10321 *	10682 *	10321 *	9378 *	7752 *	5820 *	4182 *	2944 *	2062 *
-15.0	9315 *	10341 *	10742 *	10341 *	9338 *	7669 *	5697 *	4045 *	2834 *	2006 *
-17.0	9142 *	10139 *	10544 *	10139 *	9148 *	7503 *	5536 *	3967 *	2765 *	1932 *
-19.5	8467 *	9388 *	9761 *	9388 *	8484 *	7024 *	5172 *	3663 *	2550 *	1764 *
-22.5	7118 *	7875 *	8156 *	7875 *	7118 *	5804 *	4415 *	3127 *	2140 *	1538 *
-25.5	5506 *	6097 *	6311 *	6097 *	5506 *	4492 *	3460 *	2522 *	1767 *	1262 *
-29.0	3768 *	4148 *	4275 *	4148 *	3768 *	3082 *	2379 *	1808 *	1340 *	972
-33.0	2213 *	2417 *	2487 *	2417 *	2213 *	1857 *	1484 *	1172 *	916	705
-37.5	1114	1190 *	1222 *	1190 *	1116	988	849	712	589	482
-42.5	588	615	627	615	588	533	467	404	347	296
-47.5	292	302	307	302	292	271	247	221	197	174
-55.0	122	124	124	124	122	116	109	102	95	88
-65.0	43	43	43	43	43	41	40	38	37	35
-75.0	21	20	20	20	21	21	20	19	18	18
-85.0	8	7	7	7	8	8	8	8	8	8
-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	8	8	8	8	8	8	7	8	8	8
75.0	17	16	16	16	15	15	14	13	13	12
65.0	34	33	32	30	29	27	24	23	21	19
55.0	83	78	72	64	56	49	43	38	34	31
47.5	154	136	119	102	87	76	67	57	52	44
42.5	249	208	177	144	119	100	85	70	60	52
37.5	387	319	251	188	151	120	98	80	65	56
33.0	557	443	326	237	181	138	110	88	73	60
29.0	751	578	416	295	211	158	122	97	80	65
25.5	939	711	519	355	249	181	135	105	84	69

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CANDELA TABULATION - (Cont.)

22.5	1075	819	604	416	292	203	149	112	88	72
19.5	1269 *	948	676	464	325	224	159	120	92	75
17.0	1340 *	1013	725	486	337	237	169	124	93	76
15.0	1443 *	1045	747	506	350	243	174	127	95	78
13.0	1465 *	1095	775	524	352	249	179	130	99	81
11.0	1562 *	1126 *	799	531	362	258	185	134	102	83
9.0	1588 *	1180 *	835	564	385	267	192	140	105	84
7.0	1705 *	1238 *	864	588	402	276	199	144	108	86
5.0	1774 *	1268 *	884	604	414	287	207	147	110	88
3.0	1795 *	1297 *	906	610	418	295	211	149	111	90
1.0	1789 *	1308 *	911	611	419	297	213	150	112	90
0.0	1778 *	1308 *	911	609	420	298	213	149	112	90
-1.0	1789 *	1308 *	911	611	419	297	213	150	112	90
-3.0	1795 *	1297 *	906	610	418	295	211	149	111	90
-5.0	1774 *	1268 *	884	604	414	287	207	147	110	88
-7.0	1704 *	1238 *	864	588	402	276	199	144	108	86
-9.0	1588 *	1180 *	834	564	385	267	192	140	105	84
-11.0	1562 *	1126 *	799	530	362	258	185	134	102	83
-13.0	1465 *	1095	776	524	352	249	179	130	99	81
-15.0	1443 *	1044	747	506	350	242	174	127	95	78
-17.0	1340 *	1013	725	485	337	237	169	124	93	76
-19.5	1269 *	949	676	463	325	224	159	120	92	75
-22.5	1075	818	604	416	292	203	149	112	88	72
-25.5	939	711	519	355	249	181	135	105	84	69
-29.0	751	578	416	295	211	158	122	97	80	65
-33.0	557	443	326	237	180	138	110	88	73	60
-37.5	387	319	251	188	151	120	98	80	65	56
-42.5	249	208	177	144	119	100	85	70	60	52
-47.5	154	136	119	102	87	76	67	57	52	44
-55.0	83	78	72	64	56	49	43	38	34	31
-65.0	34	33	32	30	29	27	24	23	21	19
-75.0	17	16	16	16	15	15	14	13	13	12
-85.0	8	8	8	8	8	8	7	8	8	8
-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	8	8	5	2	0
75.0	12	11	10	5	0
65.0	15	12	11	8	0
55.0	24	17	12	9	0
47.5	31	21	14	10	0
42.5	34	24	15	10	0
37.5	40	26	15	11	0
33.0	46	29	16	11	0
29.0	51	32	17	11	0
25.5	55	34	17	11	0
22.5	58	35	18	12	0
19.5	59	36	18	12	0
17.0	60	36	18	12	0
15.0	61	37	18	12	0
13.0	62	37	19	12	0
11.0	62	37	19	12	0
9.0	63	37	19	12	0

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CANDELA TABULATION - (Cont.)

7.0	63	37	19	12	0
5.0	64	37	19	12	0
3.0	65	37	19	12	0
1.0	66	36	19	12	0
0.0	67	36	19	12	0
-1.0	66	36	19	12	0
-3.0	65	37	19	12	0
-5.0	64	37	19	12	0
-7.0	63	37	19	12	0
-9.0	63	37	19	12	0
-11.0	62	37	19	12	0
-13.0	62	37	19	12	0
-15.0	61	37	18	12	0
-17.0	60	36	18	12	0
-19.5	59	36	18	12	0
-22.5	58	35	18	12	0
-25.5	55	34	17	11	0
-29.0	51	32	17	11	0
-33.0	46	29	16	11	0
-37.5	40	26	15	11	0
-42.5	34	24	15	10	0
-47.5	31	21	14	10	0
-55.0	24	17	12	9	0
-65.0	15	12	11	8	0
-75.0	12	11	10	5	0
-85.0	8	8	5	2	0
-90.0	0	0	0	0	0

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PHOTOMETRIC FILENAME : XFLM-VF-LED-28-HO-CW.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 1839.03

Total Field Lumens (one side of beam only) = 1506.38

* 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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
75	0.04	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.07	0.09
65	0.10	0.19	0.19	0.19	0.18	0.17	0.16	0.15	0.15	0.18
55	0.25	0.51	0.49	0.47	0.44	0.41	0.38	0.35	0.33	0.39
47.5	0.49	0.96	0.91	0.84	0.77	0.69	0.62	0.55	0.50	0.55
42.5	0.71	1.37	1.28	1.15	1.01	0.88	0.75	0.64	0.55	0.58
37.5	1.39	2.67	2.45	2.15	1.83	1.54	1.28	1.04	0.85	0.86
33	2.51 *	4.77 *	4.24 *	3.53 *	2.86	2.29	1.80	1.42	1.12	1.09
29	4.06 *	7.68 *	6.66 *	5.33 *	4.12 *	3.14 *	2.34	1.76	1.36	1.27
25.5	5.56 *	10.43 *	8.98 *	7.11 *	5.36 *	3.90 *	2.78 *	2.03	1.53	1.41
22.5	6.50 *	12.16 *	10.45 *	8.26 *	6.12 *	4.30 *	3.00 *	2.13 *	1.56	1.44
19.5	8.04 *	15.01 *	12.94 *	10.17 *	7.41 *	5.17 *	3.57 *	2.50 *	1.80	1.65
17	7.58 *	14.14 *	12.20 *	9.54 *	6.91 *	4.85 *	3.36 *	2.33 *	1.67 *	1.52
15	6.36 *	11.86 *	10.22 *	7.99 *	5.80 *	4.08 *	2.84 *	1.99 *	1.42 *	1.28
13	6.41 *	11.98 *	10.36 *	8.15 *	5.95 *	4.20 *	2.93 *	2.06 *	1.48 *	1.32
11	6.38 *	12.00 *	10.45 *	8.28 *	6.10 *	4.32 *	3.03 *	2.14 *	1.54 *	1.37
9	6.36 *	12.03 *	10.56 *	8.44 *	6.26 *	4.46 *	3.15 *	2.23 *	1.60 *	1.42
7	6.38 *	12.14 *	10.74 *	8.65 *	6.46 *	4.64 *	3.29 *	2.33 *	1.67 *	1.49
5	6.46 *	12.38 *	11.06 *	8.98 *	6.74 *	4.84 *	3.44 *	2.46 *	1.75 *	1.54
3	6.58 *	12.68 *	11.42 *	9.36 *	7.04 *	5.05 *	3.58 *	2.54 *	1.80 *	1.57
1	6.69 *	13.01 *	11.84 *	9.70 *	7.22 *	5.16 *	3.63 *	2.55 *	1.81 *	1.60
0	3.39 *	6.65 *	6.09 *	4.96 *	3.66 *	2.60 *	1.82 *	1.27 *	0.90 *	0.80
-1	3.39 *	6.65 *	6.09 *	4.96 *	3.66 *	2.60 *	1.82 *	1.27 *	0.90 *	0.80
	6.69 *	13.01 *	11.84 *	9.70 *	7.22 *	5.16 *	3.63 *	2.55 *	1.81 *	1.60

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-VF-LED-28-HO-CW.IES

LUMENS TABULATION - (Cont.)

-3	6.58 *	12.68 *	11.42 *	9.36 *	7.04 *	5.05 *	3.58 *	2.54 *	1.80 *	1.57
-5	6.46 *	12.38 *	11.06 *	8.98 *	6.74 *	4.84 *	3.44 *	2.46 *	1.75 *	1.54
-7	6.37 *	12.13 *	10.74 *	8.65 *	6.46 *	4.64 *	3.29 *	2.33 *	1.67 *	1.49
-9	6.35 *	12.03 *	10.56 *	8.44 *	6.26 *	4.46 *	3.15 *	2.23 *	1.60 *	1.42
-11	6.38 *	12.00 *	10.45 *	8.28 *	6.10 *	4.32 *	3.03 *	2.14 *	1.54 *	1.37
-13	6.41 *	11.98 *	10.36 *	8.15 *	5.95 *	4.20 *	2.93 *	2.06 *	1.48 *	1.32
-15	6.36 *	11.86 *	10.22 *	7.99 *	5.80 *	4.08 *	2.84 *	1.99 *	1.42 *	1.28
-17	7.58 *	14.14 *	12.20 *	9.54 *	6.91 *	4.85 *	3.36 *	2.33 *	1.67 *	1.52
-19.5	8.04 *	15.00 *	12.94 *	10.17 *	7.41 *	5.16 *	3.57 *	2.50 *	1.80	1.65
-22.5	6.50 *	12.14 *	10.45 *	8.26 *	6.12 *	4.30 *	3.00 *	2.13 *	1.56	1.44
-25.5	5.55 *	10.40 *	8.96 *	7.11 *	5.36 *	3.90 *	2.78 *	2.03	1.53	1.41
-29	4.06 *	7.64 *	6.63 *	5.33 *	4.12 *	3.14 *	2.34	1.76	1.36	1.27
-33	2.51 *	4.75 *	4.22 *	3.53 *	2.86	2.29	1.80	1.42	1.12	1.09
-37.5	1.39	2.67	2.45	2.15	1.83	1.54	1.28	1.04	0.85	0.86
-42.5	0.70	1.37	1.28	1.15	1.01	0.88	0.75	0.64	0.55	0.58
-47.5	0.49	0.96	0.91	0.84	0.77	0.69	0.62	0.55	0.50	0.55
-55	0.25	0.51	0.49	0.46	0.44	0.41	0.38	0.35	0.33	0.39
-65	0.10	0.19	0.19	0.18	0.18	0.17	0.16	0.15	0.15	0.18
-75	0.04	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.07	0.09
-85	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-90										
Total	184.45	349.32	307.22	246.66	184.68	133.55	95.71	69.14	50.91	46.86

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										
	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02
85	0.10	0.10	0.11	0.11	0.12	0.12	0.11	0.14	0.15	0.09
75	0.20	0.19	0.20	0.21	0.21	0.20	0.17	0.21	0.19	0.11
65	0.42	0.37	0.38	0.37	0.36	0.34	0.28	0.32	0.26	0.14
55	0.57	0.48	0.48	0.46	0.43	0.40	0.33	0.35	0.27	0.12

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-VF-LED-28-HO-CW.IES

LUMENS TABULATION - (Cont.)

47.5										
	0.58	0.47	0.45	0.43	0.39	0.35	0.28	0.29	0.21	0.10
42.5										
	0.81	0.63	0.58	0.53	0.47	0.40	0.31	0.33	0.24	0.10
37.5										
	0.96	0.71	0.63	0.55	0.47	0.40	0.31	0.32	0.24	0.10
33										
	1.09	0.77	0.65	0.55	0.47	0.39	0.30	0.32	0.24	0.10
29										
	1.18	0.81	0.66	0.54	0.45	0.37	0.28	0.30	0.23	0.09
25.5										
	1.21	0.82	0.66	0.52	0.42	0.34	0.25	0.27	0.21	0.08
22.5										
	1.38	0.94	0.74	0.58	0.45	0.36	0.26	0.28	0.21	0.08
19.5										
	1.25	0.84	0.66	0.51	0.40	0.31	0.23	0.24	0.18	0.07
17										
	1.05	0.70	0.55	0.43	0.33	0.26	0.18	0.20	0.15	0.06
15										
	1.09	0.72	0.57	0.44	0.34	0.26	0.19	0.20	0.15	0.06
13										
	1.12	0.74	0.58	0.45	0.35	0.27	0.20	0.21	0.15	0.06
11										
	1.16	0.77	0.60	0.47	0.36	0.28	0.20	0.21	0.15	0.06
9										
	1.22	0.81	0.63	0.49	0.38	0.29	0.21	0.21	0.15	0.06
7										
	1.25	0.84	0.65	0.51	0.39	0.30	0.21	0.22	0.15	0.06
5										
	1.28	0.85	0.67	0.52	0.40	0.30	0.21	0.22	0.15	0.06
3										
	1.29	0.86	0.68	0.53	0.40	0.30	0.22	0.22	0.16	0.06
1										
	0.65	0.43	0.34	0.27	0.20	0.15	0.11	0.11	0.08	0.03
0										
	0.65	0.43	0.34	0.27	0.20	0.15	0.11	0.11	0.08	0.03
-1										
	1.29	0.86	0.68	0.53	0.40	0.30	0.22	0.22	0.16	0.06
-3										
	1.28	0.85	0.67	0.52	0.40	0.30	0.21	0.22	0.15	0.06
-5										
	1.25	0.84	0.65	0.51	0.39	0.30	0.21	0.22	0.15	0.06
-7										
	1.22	0.81	0.63	0.49	0.38	0.29	0.21	0.21	0.15	0.06
-9										
	1.16	0.77	0.60	0.47	0.36	0.28	0.20	0.21	0.15	0.06
-11										
	1.12	0.74	0.58	0.45	0.35	0.27	0.20	0.21	0.15	0.06
-13										
	1.09	0.72	0.57	0.44	0.34	0.26	0.19	0.20	0.15	0.06
-15										
	1.05	0.70	0.55	0.43	0.33	0.26	0.18	0.20	0.15	0.06
-17										
	1.25	0.84	0.66	0.51	0.40	0.31	0.23	0.24	0.18	0.07
-19.5										
	1.38	0.94	0.74	0.58	0.45	0.36	0.26	0.28	0.21	0.08

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-VF-LED-28-HO-CW.IES

LUMENS TABULATION - (Cont.)

-22.5	1.21	0.82	0.66	0.52	0.42	0.34	0.25	0.27	0.21	0.08
-25.5	1.18	0.81	0.66	0.54	0.45	0.37	0.28	0.30	0.23	0.09
-29	1.09	0.77	0.65	0.55	0.47	0.39	0.30	0.32	0.24	0.10
-33	0.96	0.71	0.63	0.55	0.47	0.40	0.31	0.32	0.24	0.10
-37.5	0.81	0.63	0.58	0.53	0.47	0.40	0.31	0.33	0.24	0.10
-42.5	0.58	0.47	0.45	0.43	0.39	0.35	0.28	0.29	0.21	0.10
-47.5	0.57	0.48	0.48	0.46	0.43	0.40	0.33	0.35	0.27	0.12
-55	0.42	0.37	0.38	0.37	0.36	0.34	0.28	0.32	0.26	0.14
-65	0.20	0.19	0.20	0.21	0.21	0.20	0.17	0.21	0.19	0.11
-75	0.10	0.10	0.11	0.11	0.12	0.12	0.11	0.14	0.15	0.09
-85	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02
-90	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02
Total	39.78	27.73	22.99	18.99	15.63	12.86	9.74	10.38	7.89	3.39

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90	0.00	0.00	0.33	
85	0.03	0.00	1.96	
75	0.04	0.00	3.60	
65	0.05	0.00	7.31	
55	0.04	0.00	10.81	
47.5	0.03	0.00	12.49	
42.5	0.03	0.00	20.49	
37.5	0.03	0.00	30.36	
33	0.03	0.00	42.65	
29	0.03	0.00	54.04	
25.5	0.02	0.00	60.73	
22.5	0.02	0.00	73.58	
19.5	0.02	0.00	68.83	
17	0.02	0.00	57.76	

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-VF-LED-28-HO-CW.IES

LUMENS TABULATION - (Cont.)

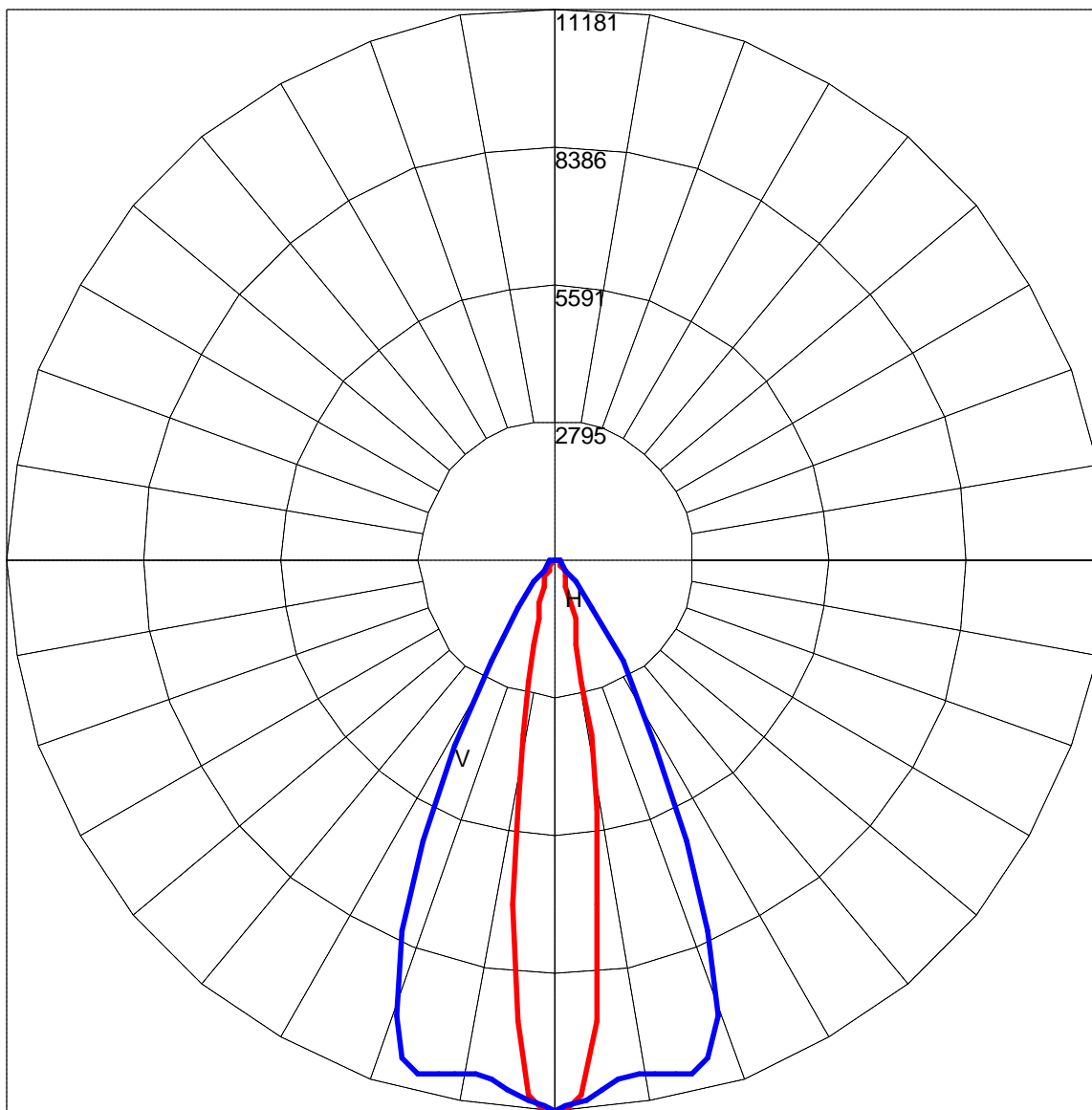
15	0.02	0.00	58.89
13	0.02	0.00	59.76
11	0.02	0.00	60.81
9	0.02	0.00	62.22
7	0.02	0.00	64.25
5	0.02	0.00	66.32
3	0.02	0.00	67.94
1	0.01	0.00	34.52
0	0.01	0.00	34.52
-1	0.02	0.00	67.94
-3	0.02	0.00	66.32
-5	0.02	0.00	64.24
-7	0.02	0.00	62.22
-9	0.02	0.00	60.80
-11	0.02	0.00	59.76
-13	0.02	0.00	58.89
-15	0.02	0.00	57.76
-17	0.02	0.00	68.82
-19.5	0.02	0.00	73.57
-22.5	0.02	0.00	60.70
-25.5	0.03	0.00	53.98
-29	0.03	0.00	42.57
-33	0.03	0.00	30.31
-37.5	0.03	0.00	20.49
-42.5	0.03	0.00	12.49
-47.5	0.04	0.00	10.81
-55	0.05	0.00	7.31
-65	0.04	0.00	3.59

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-VF-LED-28-HO-CW.IES

LUMENS TABULATION - (Cont.)

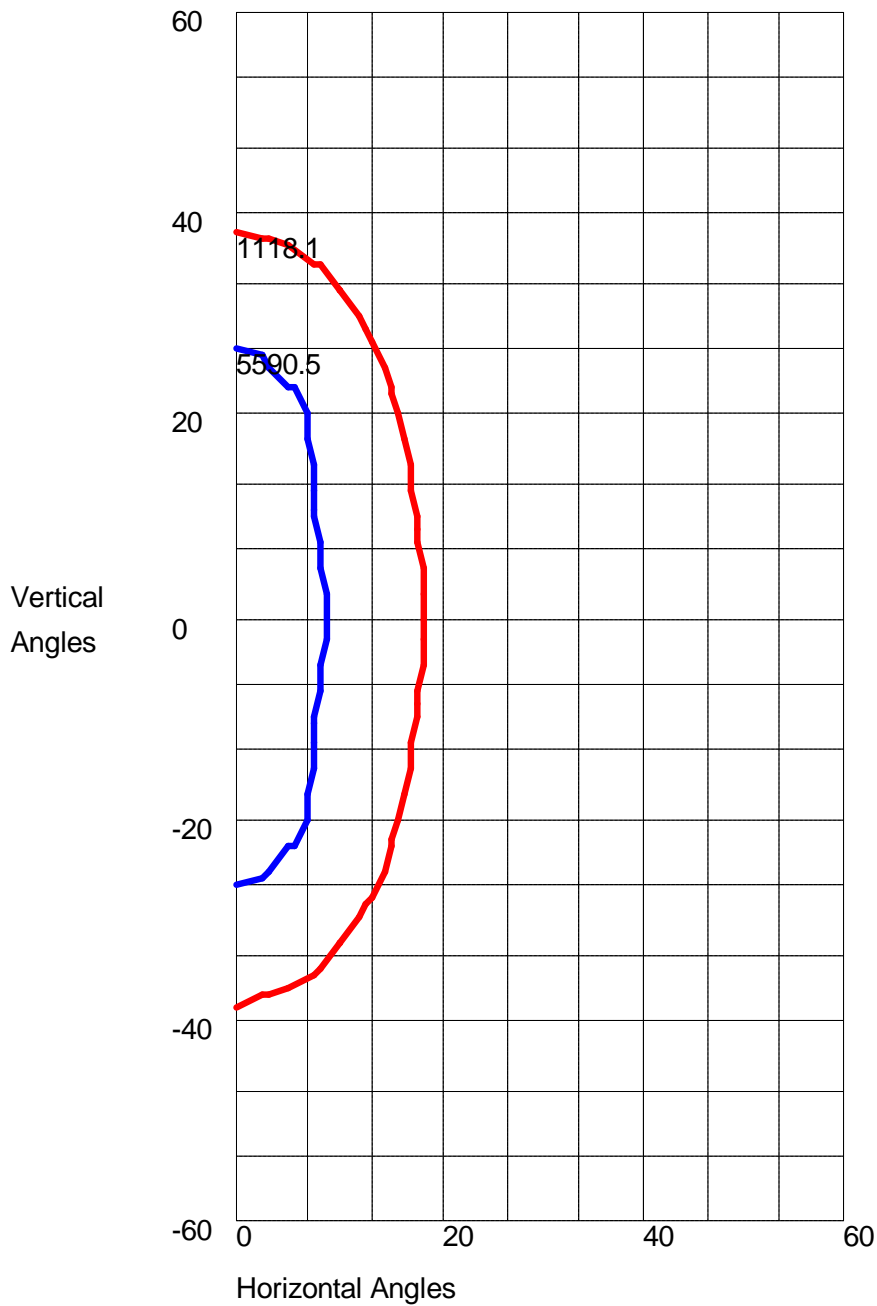
-75	0.03	0.00	1.96
-85	0.00	0.00	0.33
-90			
Total	1.07	0.05	1839.03

AXIAL CANDELA DISPLAY



Maximum Candela = 11181 Located At Horizontal Angle = -1, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 11181 Located At Horizontal Angle = -1, Vertical Angle = 0
50% Maximum Candela = 5590.5
10% Maximum Candela = 1118.1