



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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-4131
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]06/07/13
[TEST DATE]06/07/13
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]XFLM-SP-LED-28-HO-CW
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[ABSOLUTE LUMENS]4460
[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	34100
Maximum Candela Angle	-1H 0V
Horizontal Beam Angle (50%)	17.0
Vertical Beam Angle (50%)	15.7
Horizontal Field Angle (10%)	34.7
Vertical Field Angle (10%)	33.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1535
Beam Efficiency	N.A.
Field Lumens	3320
Field Efficiency	N.A.
Spill Lumens	1181
Luminaire Lumens	4501
Total Efficiency	N.A.
Total Luminaire Watts	36
Ballast Factor	1.00

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

AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	45	85	46
75	52	75	51
65	70	65	78
55	94	55	103
47.5	127	47.5	135
42.5	162	42.5	168
37.5	205	37.5	208
33	297	33	286
29	470	29	442
25.5	778	25.5	728
22.5	1236	22.5	1117
19.5	2226	19.5	2000
17	3600	17	3282
15	5156	15	4732
13	7614	13	7058
11	10999	11	10204
9	15628	9	14398
7	21496	7	19768
5	28282	5	26340
3	33081	3	31439
1	34100	1	33473
0	33979	0	33979
-1	34100	-1	33473
-3	33081	-3	31439
-5	28282	-5	26340
-7	21496	-7	19768
-9	15628	-9	14398
-11	10999	-11	10204
-13	7614	-13	7058
-15	5156	-15	4732
-17	3600	-17	3282
-19.5	2226	-19.5	2000
-22.5	1236	-22.5	1117
-25.5	778	-25.5	728
-29	470	-29	442
-33	297	-33	286
-37.5	205	-37.5	208
-42.5	162	-42.5	168
-47.5	127	-47.5	135
-55	94	-55	103
-65	70	-65	78
-75	52	-75	51
-85	45	-85	46
-90	0	-90	0

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

CANDELA TABULATION

Maximum Candela = 34100

Beam Edge = 17050 Cd (50% of Max.)

Field Edge = 3410 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	7	22	34	38	40	41	42	43	43
75.0	0	22	45	43	45	43	46	48	51	49
65.0	0	36	47	45	49	52	55	58	61	63
55.0	0	42	47	48	55	65	70	74	78	82
47.5	0	42	46	52	64	73	81	89	95	101
42.5	0	43	46	56	70	82	91	99	109	118
37.5	0	43	47	58	74	90	100	112	126	140
33.0	0	44	47	59	79	96	108	126	143	161
29.0	0	44	47	59	81	100	117	137	159	183
25.5	0	45	48	60	83	105	124	148	175	203
22.5	0	45	48	62	85	109	131	158	190	228
19.5	0	45	49	63	88	113	137	168	203	259
17.0	0	45	49	65	90	116	142	175	220	290
15.0	0	45	49	65	92	119	146	180	231	315
13.0	0	45	50	66	93	122	149	186	242	341
11.0	0	45	50	66	93	123	152	192	257	373
9.0	0	45	50	67	94	125	155	197	272	401
7.0	0	45	50	67	94	126	158	201	283	427
5.0	0	45	51	68	94	126	159	204	291	450
3.0	0	45	51	69	94	127	161	205	296	466
1.0	0	45	52	70	94	127	162	205	297	468
0.0	0	45	52	70	94	127	162	205	297	470
-1.0	0	45	52	70	94	127	162	205	297	468
-3.0	0	45	51	69	94	127	161	205	296	466
-5.0	0	45	51	68	94	126	159	204	291	450
-7.0	0	45	50	67	94	126	158	201	283	427
-9.0	0	45	50	67	94	125	155	197	272	401
-11.0	0	45	50	66	93	123	152	192	257	373
-13.0	0	45	50	66	93	122	149	186	242	341
-15.0	0	45	49	65	92	119	146	180	231	314
-17.0	0	45	49	65	90	116	142	175	220	290
-19.5	0	45	49	63	88	113	137	168	203	259
-22.5	0	45	48	62	85	109	131	158	190	228
-25.5	0	45	48	60	83	105	124	148	175	203
-29.0	0	44	47	59	81	100	117	137	159	183
-33.0	0	44	47	59	79	96	108	126	143	161
-37.5	0	43	47	58	74	90	100	112	126	140
-42.5	0	43	46	56	70	82	91	99	109	118
-47.5	0	42	46	52	64	73	81	89	95	101
-55.0	0	42	47	48	55	65	70	74	78	82
-65.0	0	36	47	45	49	52	55	58	61	63
-75.0	0	22	45	43	45	43	46	48	51	49
-85.0	0	7	22	34	38	40	41	42	43	43
-90.0	0	0	0	0	0	0	0	0	0	0

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

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	44	45	45	46	46	45	44	43	42	40
75.0	49	50	50	51	51	51	52	52	52	53
65.0	64	65	67	68	69	69	69	70	70	71
55.0	86	89	91	94	96	98	99	100	101	102
47.5	108	114	119	122	125	128	129	131	132	133
42.5	127	134	142	147	151	155	158	161	163	165
37.5	152	162	171	179	183	189	195	200	204	207
33.0	177	191	203	220	230	241	255	267	276	282
29.0	204	228	259	290	314	340	367	391	412	429
25.5	238	286	345	396	455	507	552	614	665	699
22.5	285	360	452	549	646	745	826	940	1031	1093
19.5	345	452	598	777	923	1095	1256	1496	1694	1825
17.0	394	552	781	1027	1214	1569	1886	2286	2667	2938
15.0	455	653	940	1229	1653	2064	2634	3109	3814 *	4319 *
13.0	511	759	1128	1600	2087	2772	3548 *	4383 *	5267 *	6206 *
11.0	562	853	1305	1949	2698	3594 *	4678 *	6001 *	7312 *	8653 *
9.0	635	984	1575	2393	3223	4516 *	6085 *	7841 *	9929 *	11839 *
7.0	693	1089	1808	2823	4014 *	5492 *	7537 *	10122 *	12801 *	15968 *
5.0	736	1159	1974	3144	4590 *	6546 *	9057 *	12308 *	16346 *	20429 *
3.0	765	1198	2125	3414 *	4960 *	7229 *	10301 *	14232 *	19119 *	24642 *
1.0	772	1219	2185	3528 *	5079 *	7434 *	10704 *	15096 *	20674 *	27472 *
0.0	778	1236	2226	3600 *	5156 *	7614 *	10999 *	15628 *	21496 *	28282 *
-1.0	772	1220	2185	3528 *	5079 *	7434 *	10704 *	15096 *	20674 *	27472 *
-3.0	765	1198	2125	3414 *	4960 *	7229 *	10301 *	14224 *	19119 *	24637 *
-5.0	736	1159	1974	3144	4590 *	6546 *	9057 *	12287 *	16346 *	20423 *
-7.0	693	1089	1808	2823	4003 *	5492 *	7537 *	10123 *	12801 *	15968 *
-9.0	634	984	1573	2392	3223	4516 *	6085 *	7841 *	9915 *	11839 *
-11.0	562	853	1305	1949	2698	3594 *	4674 *	6000 *	7312 *	8653 *
-13.0	509	759	1125	1599	2087	2760	3548 *	4383 *	5267 *	6206 *
-15.0	454	653	940	1215	1653	2061	2634	3109	3814 *	4319 *
-17.0	394	552	781	1027	1214	1569	1886	2286	2667	2938
-19.5	345	452	597	777	923	1095	1256	1496	1694	1825
-22.5	285	360	452	547	646	745	823	940	1031	1093
-25.5	238	286	345	396	455	507	552	614	665	699
-29.0	204	228	258	290	314	340	367	391	412	429
-33.0	177	191	203	220	230	241	255	267	276	282
-37.5	152	162	171	179	183	189	195	200	204	207
-42.5	127	134	142	147	151	155	158	161	163	165
-47.5	108	114	119	122	125	128	129	131	132	133
-55.0	86	89	91	94	96	98	99	100	101	102
-65.0	64	65	67	68	69	69	69	69	70	71
-75.0	49	50	50	51	51	51	52	52	52	53
-85.0	44	45	45	46	46	45	44	43	42	40
-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	42	45	46	45	42	40	42	43	44	45
75.0	52	51	51	51	52	53	52	52	52	51
65.0	73	76	78	76	73	71	70	69	69	69

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

CANDELA TABULATION - (Cont.)

55.0	103	103	103	103	103	102	101	100	99	98
47.5	135	135	135	135	135	133	132	131	129	128
42.5	167	168	168	168	167	165	163	161	158	155
37.5	210	209	208	209	210	207	204	200	195	189
33.0	286	287	286	287	286	282	276	267	255	241
29.0	439	441	442	441	439	429	412	391	367	340
25.5	717	725	728	725	717	699	665	614	552	507
22.5	1113	1116	1117	1116	1113	1093	1031	940	826	745
19.5	1937	1986	2000	1986	1938	1831	1694	1496	1256	1095
17.0	3148	3251	3282	3251	3149	2938	2668	2286	1886	1569
15.0	4601 *	4714 *	4732 *	4714 *	4606 *	4327 *	3814 *	3109	2637	2064
13.0	6761 *	6969 *	7058 *	6969 *	6761 *	6214 *	5278 *	4390 *	3551 *	2772
11.0	9665 *	10052 *	10204 *	10052 *	9684 *	8653 *	7312 *	6003 *	4678 *	3594 *
9.0	13393 *	14141 *	14398 *	14141 *	13398 *	11848 *	9953 *	7841 *	6085 *	4516 *
7.0	18133 *	19326 *	19768 *	19326 *	18133 *	15968 *	12801 *	10123 *	7537 *	5492 *
5.0	23894 *	25961 *	26340 *	25961 *	23895 *	20429 *	16346 *	12308 *	9057 *	6546 *
3.0	28425 *	30737 *	31439 *	30737 *	28426 *	24642 *	19119 *	14232 *	10301 *	7229 *
1.0	31822 *	33187 *	33473 *	33187 *	31822 *	27560 *	20828 *	15257 *	10802 *	7500 *
0.0	33081 *	34100 *	33979 *	34100 *	33081 *	28282 *	21496 *	15628 *	10999 *	7614 *
-1.0	31822 *	33187 *	33473 *	33187 *	31822 *	27560 *	20828 *	15257 *	10802 *	7500 *
-3.0	28426 *	30737 *	31439 *	30737 *	28425 *	24637 *	19119 *	14224 *	10301 *	7229 *
-5.0	23894 *	25868 *	26340 *	25868 *	23895 *	20423 *	16346 *	12287 *	9057 *	6546 *
-7.0	18133 *	19179 *	19768 *	19179 *	18133 *	15968 *	12801 *	10122 *	7537 *	5492 *
-9.0	13393 *	13989 *	14398 *	13989 *	13398 *	11848 *	9939 *	7841 *	6085 *	4516 *
-11.0	9665 *	9964 *	10204 *	9964 *	9684 *	8653 *	7312 *	6002 *	4674 *	3594 *
-13.0	6761 *	6907 *	7058 *	6907 *	6761 *	6214 *	5278 *	4390 *	3551 *	2760
-15.0	4601 *	4673 *	4732 *	4673 *	4606 *	4327 *	3814 *	3109	2637	2061
-17.0	3148	3226	3282	3226	3149	2938	2668	2286	1886	1569
-19.5	1937	1973	2000	1973	1938	1831	1694	1496	1256	1095
-22.5	1113	1111	1117	1111	1113	1093	1031	940	823	745
-25.5	714	722	728	722	714	699	665	614	552	507
-29.0	435	440	442	440	435	429	412	391	367	340
-33.0	284	286	286	286	284	282	276	267	255	241
-37.5	210	209	208	209	210	207	204	200	195	189
-42.5	167	167	168	167	167	165	163	161	158	155
-47.5	135	135	135	135	135	133	132	131	129	128
-55.0	103	103	103	103	103	102	101	100	99	98
-65.0	73	76	78	76	73	71	70	70	69	69
-75.0	52	51	51	51	52	53	52	52	52	51
-85.0	42	45	46	45	42	40	42	43	44	45
-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	46	46	45	45	44	43	43	42	41	40
75.0	51	51	50	50	49	49	51	48	46	43
65.0	69	68	67	65	64	63	61	58	55	52
55.0	96	94	91	89	86	82	78	74	70	65
47.5	125	122	119	114	108	102	95	89	81	73
42.5	151	147	142	134	127	118	109	99	91	82
37.5	183	179	171	162	152	140	126	112	100	90
33.0	230	220	203	191	177	161	143	126	108	96
29.0	314	290	259	228	204	183	159	137	117	100
25.5	455	396	345	286	238	203	175	148	124	105

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

CANDELA TABULATION - (Cont.)

22.5	646	549	452	360	285	228	190	158	131	109
19.5	925	777	602	453	345	259	203	168	137	113
17.0	1217	1027	781	552	396	290	220	175	142	116
15.0	1653	1229	940	653	455	315	231	180	146	119
13.0	2087	1600	1128	759	511	342	242	186	149	122
11.0	2698	1949	1305	855	563	373	257	192	152	123
9.0	3259	2393	1575	984	635	401	272	197	155	125
7.0	4014 *	2823	1808	1089	693	427	283	201	158	126
5.0	4591 *	3145	1974	1159	736	450	291	204	159	126
3.0	4960 *	3414 *	2125	1201	765	466	297	205	161	127
1.0	5122 *	3555 *	2199	1225	775	470	298	206	162	127
0.0	5156 *	3600 *	2226	1236	778	470	297	205	162	127
-1.0	5122 *	3555 *	2199	1225	775	470	298	206	162	127
-3.0	4960 *	3414 *	2125	1201	765	466	297	205	161	127
-5.0	4591 *	3145	1974	1159	736	450	291	204	159	126
-7.0	4003 *	2823	1808	1089	693	427	283	201	158	126
-9.0	3259	2392	1573	984	634	401	272	197	155	125
-11.0	2698	1949	1305	855	562	373	257	192	152	123
-13.0	2087	1599	1125	759	509	341	242	186	149	122
-15.0	1653	1215	940	653	454	314	231	180	146	119
-17.0	1217	1027	781	552	396	290	220	175	142	116
-19.5	925	777	602	452	345	259	203	168	137	113
-22.5	646	547	452	360	285	228	190	158	131	109
-25.5	455	396	345	286	238	203	175	148	124	105
-29.0	314	290	258	228	204	183	159	137	117	100
-33.0	230	220	203	191	177	161	143	126	108	96
-37.5	183	179	171	162	152	140	126	112	100	90
-42.5	151	147	142	134	127	118	109	99	91	82
-47.5	125	122	119	114	108	102	95	89	81	73
-55.0	96	94	91	89	86	82	78	74	70	65
-65.0	69	68	67	65	64	63	61	58	55	52
-75.0	51	51	50	50	49	49	51	48	46	43
-85.0	46	46	45	45	44	43	43	42	41	40
-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	38	34	22	7	0
75.0	45	43	45	22	0
65.0	49	45	47	36	0
55.0	55	48	47	42	0
47.5	64	52	46	42	0
42.5	70	56	46	43	0
37.5	74	58	47	43	0
33.0	79	59	47	44	0
29.0	81	59	47	44	0
25.5	83	60	48	45	0
22.5	85	62	48	45	0
19.5	88	63	49	45	0
17.0	90	65	49	45	0
15.0	92	65	49	45	0
13.0	93	66	50	45	0
11.0	93	66	50	45	0
9.0	94	67	50	45	0

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

CANDELA TABULATION - (Cont.)

7.0	94	67	50	45	0
5.0	94	68	51	45	0
3.0	94	69	51	45	0
1.0	94	70	52	45	0
0.0	94	70	52	45	0
-1.0	94	70	52	45	0
-3.0	94	69	51	45	0
-5.0	94	68	51	45	0
-7.0	94	67	50	45	0
-9.0	94	67	50	45	0
-11.0	93	66	50	45	0
-13.0	93	66	50	45	0
-15.0	92	65	49	45	0
-17.0	90	65	49	45	0
-19.5	88	63	49	45	0
-22.5	85	62	48	45	0
-25.5	83	60	48	45	0
-29.0	81	59	47	44	0
-33.0	79	59	47	44	0
-37.5	74	58	47	43	0
-42.5	70	56	46	43	0
-47.5	64	52	46	42	0
-55.0	55	48	47	42	0
-65.0	49	45	47	36	0
-75.0	45	43	45	22	0
-85.0	38	34	22	7	0
-90.0	0	0	0	0	0

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

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 2250.56

Total Field Lumens (one side of beam only) = 1659.95

* 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	0.03	0.07	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.08
75	0.15	0.29	0.28	0.28	0.29	0.29	0.29	0.29	0.28	0.35
65	0.19	0.38	0.38	0.37	0.37	0.36	0.36	0.35	0.35	0.43
55	0.27	0.54	0.53	0.52	0.51	0.51	0.50	0.49	0.48	0.58
47.5	0.27	0.54	0.54	0.53	0.52	0.52	0.51	0.50	0.48	0.58
42.5	0.23	0.46	0.46	0.45	0.44	0.43	0.42	0.41	0.40	0.48
37.5	0.29	0.57	0.57	0.56	0.55	0.54	0.52	0.50	0.48	0.58
33	0.34	0.68	0.67	0.66	0.64	0.62	0.59	0.56	0.53	0.63
29	0.44	0.88	0.87	0.85	0.81	0.77	0.72	0.66	0.62	0.70
25.5	0.62	1.24	1.21	1.17	1.10	1.01	0.92	0.84	0.75	0.82
22.5	0.84	1.68	1.65	1.58	1.47	1.32	1.18	1.04	0.90	0.94
19.5	1.42	2.81	2.72	2.57	2.34	2.03	1.75	1.51	1.27	1.29
17	2.00	3.93	3.74	3.46	3.07	2.60	2.16	1.77	1.44	1.44
15	2.43 *	4.78 *	4.56 *	4.16 *	3.58	2.97	2.43	1.92	1.50	1.44
13	3.57 *	7.02 *	6.65 *	5.94 *	5.00 *	4.10 *	3.28	2.53	1.92	1.77
11	5.22 *	10.18 *	9.51 *	8.31 *	6.93 *	5.58 *	4.35 *	3.30	2.44	2.16
9	7.43 *	14.39 *	13.24 *	11.44 *	9.38 *	7.38 *	5.62 *	4.15 *	3.01	2.61
7	10.30 *	19.79 *	18.03 *	15.31 *	12.28 *	9.47 *	7.04 *	5.10 *	3.65	3.11
5	13.92 *	26.58 *	23.83 *	19.86 *	15.56 *	11.71 *	8.53 *	6.10 *	4.27 *	3.53
3	17.43 *	33.19 *	29.59 *	24.40 *	18.70 *	13.77 *	9.87 *	6.89 *	4.72 *	3.85
1	19.62 *	37.80 *	34.16 *	27.88 *	20.90 *	15.14 *	10.65 *	7.32 *	4.98 *	4.08
0	10.26 *	20.12 *	18.34 *	14.85 *	11.02 *	7.88 *	5.49 *	3.74 *	2.55 *	2.09
-1	10.26 *	20.12 *	18.34 *	14.85 *	11.02 *	7.88 *	5.49 *	3.74 *	2.55 *	2.09
	19.62 *	37.80 *	34.15 *	27.88 *	20.89 *	15.14 *	10.65 *	7.32 *	4.98 *	4.08

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

LUMENS TABULATION - (Cont.)

-3	17.42 *	33.16 *	29.59 *	24.39 *	18.69 *	13.76 *	9.87 *	6.89 *	4.72 *	3.85
-5	13.88 *	26.51 *	23.83 *	19.85 *	15.55 *	11.70 *	8.53 *	6.10 *	4.26 *	3.53
-7	10.26 *	19.69 *	18.03 *	15.31 *	12.27 *	9.47 *	7.04 *	5.10 *	3.65	3.11
-9	7.39 *	14.31 *	13.24 *	11.43 *	9.38 *	7.38 *	5.62 *	4.15 *	3.01	2.61
-11	5.20 *	10.14 *	9.51 *	8.31 *	6.93 *	5.58 *	4.34 *	3.29	2.44	2.16
-13	3.56 *	6.98 *	6.65 *	5.94 *	5.00 *	4.10 *	3.28	2.53	1.92	1.76
-15	2.42 *	4.76 *	4.56 *	4.16 *	3.58	2.97	2.43	1.92	1.50	1.43
-17	2.00	3.91	3.74	3.46	3.07	2.60	2.16	1.77	1.44	1.44
-19.5	1.42	2.80	2.72	2.57	2.34	2.03	1.75	1.51	1.27	1.29
-22.5	0.84	1.67	1.65	1.58	1.47	1.32	1.17	1.04	0.90	0.94
-25.5	0.62	1.23	1.21	1.17	1.10	1.01	0.92	0.84	0.75	0.82
-29	0.44	0.88	0.87	0.85	0.81	0.77	0.72	0.66	0.62	0.70
-33	0.34	0.68	0.67	0.66	0.64	0.62	0.59	0.56	0.53	0.63
-37.5	0.29	0.57	0.57	0.56	0.55	0.54	0.52	0.50	0.48	0.58
-42.5	0.23	0.46	0.46	0.45	0.44	0.43	0.42	0.41	0.40	0.48
-47.5	0.27	0.54	0.54	0.53	0.52	0.52	0.51	0.50	0.48	0.58
-55	0.27	0.54	0.53	0.52	0.51	0.51	0.50	0.49	0.48	0.58
-65	0.19	0.38	0.38	0.37	0.37	0.36	0.36	0.35	0.35	0.43
-75	0.15	0.29	0.28	0.28	0.29	0.29	0.29	0.29	0.28	0.35
-85	0.03	0.07	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.08
-90										
Total	194.42	375.43	343.20	290.42	231.02	178.11	134.48	100.11	74.17	67.04

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										
85	0.10	0.09	0.10	0.11	0.12	0.12	0.11	0.14	0.14	0.07
75	0.41	0.39	0.44	0.49	0.51	0.52	0.46	0.59	0.61	0.37
65	0.49	0.48	0.53	0.58	0.61	0.60	0.53	0.68	0.69	0.47
55	0.67	0.63	0.70	0.74	0.76	0.75	0.65	0.79	0.75	0.49
55	0.66	0.62	0.67	0.70	0.71	0.69	0.58	0.69	0.62	0.38

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

LUMENS TABULATION - (Cont.)

47.5										
	0.54	0.50	0.54	0.55	0.55	0.52	0.44	0.52	0.46	0.26
42.5										
	0.65	0.60	0.64	0.64	0.62	0.59	0.49	0.56	0.49	0.27
37.5										
	0.70	0.64	0.67	0.67	0.64	0.59	0.48	0.54	0.46	0.25
33										
	0.75	0.67	0.69	0.67	0.63	0.57	0.45	0.51	0.42	0.22
29										
	0.83	0.70	0.69	0.66	0.61	0.54	0.42	0.46	0.38	0.19
25.5										
	0.92	0.73	0.68	0.62	0.56	0.49	0.38	0.41	0.33	0.17
22.5										
	1.19	0.90	0.79	0.69	0.60	0.52	0.40	0.42	0.34	0.17
19.5										
	1.27	0.91	0.76	0.63	0.54	0.45	0.34	0.36	0.29	0.15
17										
	1.25	0.86	0.69	0.55	0.45	0.37	0.28	0.30	0.24	0.12
15										
	1.48	0.99	0.77	0.59	0.47	0.39	0.29	0.30	0.24	0.12
13										
	1.73	1.12	0.85	0.63	0.49	0.40	0.29	0.31	0.24	0.12
11										
	2.01	1.27	0.93	0.68	0.51	0.41	0.30	0.31	0.24	0.12
9										
	2.33	1.42	1.02	0.72	0.53	0.41	0.30	0.31	0.24	0.12
7										
	2.57	1.53	1.09	0.76	0.55	0.42	0.31	0.31	0.25	0.12
5										
	2.75	1.61	1.15	0.78	0.56	0.43	0.31	0.32	0.25	0.12
3										
	2.87	1.65	1.17	0.80	0.56	0.43	0.31	0.32	0.25	0.13
1										
	1.47	0.84	0.59	0.40	0.28	0.21	0.16	0.16	0.12	0.06
0										
	1.47	0.84	0.59	0.40	0.28	0.21	0.16	0.16	0.12	0.06
-1										
	2.87	1.65	1.17	0.80	0.56	0.43	0.31	0.32	0.25	0.13
-3										
	2.75	1.61	1.15	0.78	0.56	0.43	0.31	0.32	0.25	0.12
-5										
	2.57	1.53	1.09	0.76	0.55	0.42	0.31	0.31	0.25	0.12
-7										
	2.33	1.42	1.02	0.72	0.53	0.41	0.30	0.31	0.24	0.12
-9										
	2.01	1.27	0.93	0.68	0.51	0.41	0.30	0.31	0.24	0.12
-11										
	1.72	1.12	0.85	0.63	0.49	0.40	0.29	0.31	0.24	0.12
-13										
	1.48	0.99	0.77	0.59	0.47	0.39	0.29	0.30	0.24	0.12
-15										
	1.25	0.86	0.69	0.55	0.45	0.37	0.28	0.30	0.24	0.12
-17										
	1.27	0.91	0.76	0.63	0.54	0.45	0.34	0.36	0.29	0.15
-19.5										
	1.19	0.90	0.79	0.69	0.60	0.52	0.40	0.42	0.34	0.17

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

LUMENS TABULATION - (Cont.)

-22.5	0.92	0.73	0.68	0.62	0.56	0.49	0.38	0.41	0.33	0.17
-25.5	0.83	0.70	0.69	0.66	0.61	0.54	0.42	0.46	0.38	0.19
-29	0.75	0.67	0.69	0.67	0.63	0.57	0.45	0.51	0.42	0.22
-33	0.70	0.64	0.67	0.67	0.64	0.59	0.48	0.54	0.46	0.25
-37.5	0.65	0.60	0.64	0.64	0.62	0.59	0.49	0.56	0.49	0.27
-42.5	0.54	0.50	0.54	0.55	0.55	0.52	0.44	0.52	0.46	0.26
-47.5	0.66	0.62	0.67	0.70	0.71	0.69	0.58	0.69	0.62	0.38
-55	0.67	0.63	0.70	0.74	0.76	0.75	0.65	0.79	0.75	0.49
-65	0.49	0.48	0.53	0.58	0.61	0.60	0.53	0.68	0.69	0.47
-75	0.41	0.39	0.44	0.49	0.51	0.52	0.46	0.59	0.61	0.37
-85	0.10	0.09	0.10	0.11	0.12	0.12	0.11	0.14	0.14	0.07
-90										
Total	55.29	38.33	32.32	27.37	23.73	20.82	16.54	18.63	16.12	9.00

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.02	0.00		1.76
85				
	0.13	0.00		7.70
75				
	0.20	0.01		9.42
65				
	0.23	0.01		12.10
55				
	0.18	0.01		11.49
47.5				
	0.12	0.01		9.20
42.5				
	0.12	0.01		10.83
37.5				
	0.11	0.01		11.68
33				
	0.10	0.01		13.02
29				
	0.09	0.01		15.23
25.5				
	0.07	0.00		17.98
22.5				
	0.07	0.00		25.82
19.5				
	0.06	0.00		31.39
17				
	0.05	0.00		34.95

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

LUMENS TABULATION - (Cont.)

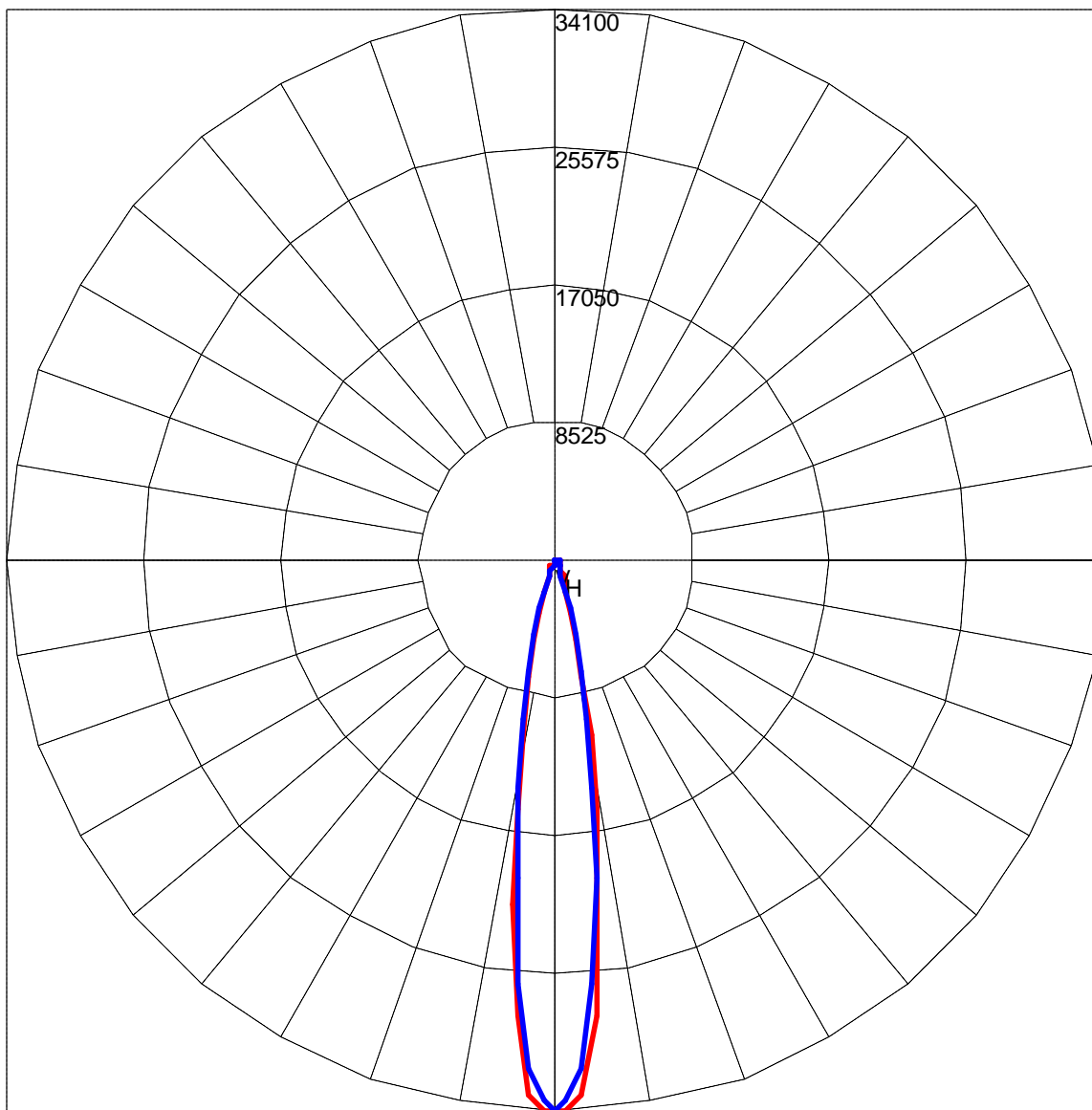
15	0.05	0.00	47.50
13	0.05	0.00	64.22
11	0.05	0.00	85.49
9	0.05	0.00	111.56
7	0.05	0.00	141.84
5	0.05	0.00	170.75
3	0.05	0.00	191.06
1	0.03	0.00	100.66
0	0.03	0.00	100.66
-1	0.05	0.00	191.05
-3	0.05	0.00	170.68
-5	0.05	0.00	141.71
-7	0.05	0.00	111.41
-9	0.05	0.00	85.37
-11	0.05	0.00	64.14
-13	0.05	0.00	47.43
-15	0.05	0.00	34.91
-17	0.06	0.00	31.37
-19.5	0.07	0.00	25.81
-22.5	0.07	0.00	17.97
-25.5	0.09	0.01	15.22
-29	0.10	0.01	13.01
-33	0.11	0.01	11.67
-37.5	0.12	0.01	10.83
-42.5	0.12	0.01	9.20
-47.5	0.18	0.01	11.49
-55	0.23	0.01	12.10
-65	0.20	0.01	9.42

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

LUMENS TABULATION - (Cont.)

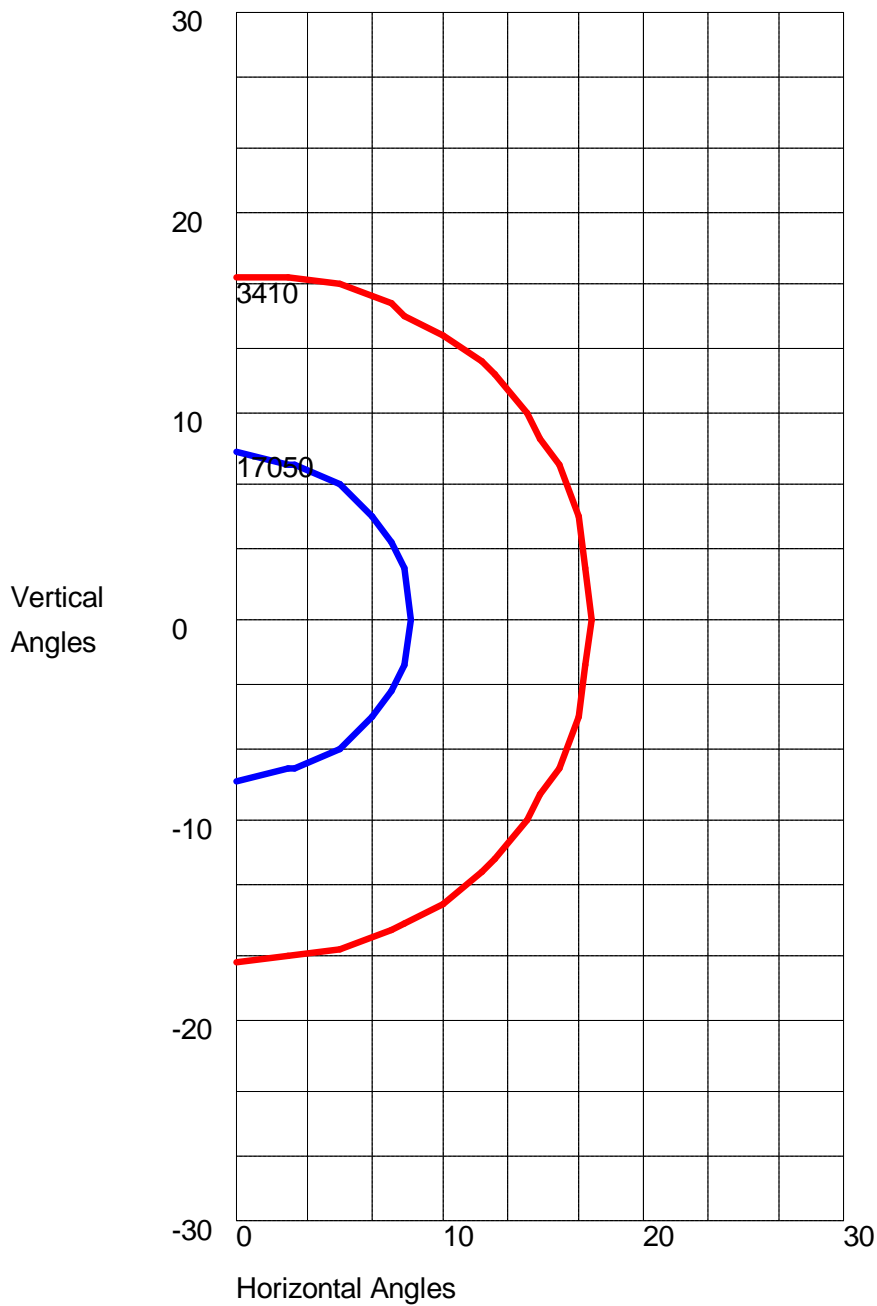
-75	0.13	0.00	7.70
-85	0.02	0.00	1.76
-90			
Total	3.82	0.22	2250.56

AXIAL CANDELA DISPLAY



Maximum Candela = 34100 Located At Horizontal Angle = -1, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 34100 Located At Horizontal Angle = -1, Vertical Angle = 0
50% Maximum Candela = 17050
10% Maximum Candela = 3410