



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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5272
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/11/14
[TEST DATE]03/11/14
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]XFLM-VF-LED-28-HO-NW
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]3143
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor

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

CHARACTERISTICS

NEMA Type	3 H x 5 V
Maximum Candela	9913
Maximum Candela Angle	-1H 0V
Horizontal Beam Angle (50%)	16.9
Vertical Beam Angle (50%)	50.9
Horizontal Field Angle (10%)	38.4
Vertical Field Angle (10%)	74.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1523
Beam Efficiency	N.A.
Field Lumens	2628
Field Efficiency	N.A.
Spill Lumens	527
Luminaire Lumens	3155
Total Efficiency	N.A.
Total Luminaire Watts	38.6
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	1	85	0
75	8	75	9
65	24	65	28
55	52	55	85
47.5	75	47.5	230
42.5	96	42.5	465
37.5	128	37.5	947
33	190	33	1920
29	271	29	3346
25.5	410	25.5	5063
22.5	614	22.5	6672
19.5	946	19.5	8173
17	1335	17	9029
15	1758	15	9238
13	2359	13	9217
11	3247	11	9143
9	4491	9	9062
7	6138	7	9072
5	7921	5	9193
3	9353	3	9365
1	9913	1	9457
0	9629	0	9629
-1	9913	-1	9457
-3	9353	-3	9365
-5	7921	-5	9193
-7	6138	-7	9072
-9	4491	-9	9062
-11	3247	-11	9143
-13	2359	-13	9217
-15	1758	-15	9238
-17	1335	-17	9029
-19.5	946	-19.5	8173
-22.5	614	-22.5	6672
-25.5	410	-25.5	5063
-29	271	-29	3346
-33	190	-33	1920
-37.5	128	-37.5	947
-42.5	96	-42.5	465
-47.5	75	-47.5	230
-55	52	-55	85
-65	24	-65	28
-75	8	-75	9
-85	1	-85	0
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 9913

Beam Edge = 4956.5 Cd (50% of Max.)

Field Edge = 991.3 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	0	1	0	0	0	0	0	0	0
75.0	0	1	1	1	1	2	2	3	3	4
65.0	0	1	2	3	5	7	9	11	12	14
55.0	0	1	2	6	12	17	21	25	28	33
47.5	0	1	3	10	18	29	36	41	49	58
42.5	0	1	4	12	23	37	47	53	66	81
37.5	0	1	4	14	28	43	52	65	81	104
33.0	0	1	5	17	33	46	58	72	93	120
29.0	0	1	6	19	37	51	64	81	103	141
25.5	0	1	6	20	41	55	70	89	114	160
22.5	0	1	7	21	44	58	73	95	128	179
19.5	0	1	7	23	45	60	76	101	141	203
17.0	0	1	7	23	46	61	77	105	151	219
15.0	0	1	7	24	47	63	78	108	157	226
13.0	0	1	8	25	47	65	81	111	161	240
11.0	0	1	8	25	48	66	84	114	165	248
9.0	0	1	8	25	48	68	87	118	171	250
7.0	0	1	8	25	48	70	90	122	179	258
5.0	0	1	8	25	50	72	93	125	185	266
3.0	0	1	8	25	51	73	95	127	189	270
1.0	0	1	8	24	52	74	96	128	190	272
0.0	0	1	8	24	52	75	96	128	190	271
-1.0	0	1	8	24	52	74	96	128	190	272
-3.0	0	1	8	25	51	73	95	127	189	270
-5.0	0	1	8	25	50	72	93	125	185	266
-7.0	0	1	8	25	48	70	90	122	179	258
-9.0	0	1	8	25	48	68	87	118	171	250
-11.0	0	1	8	25	48	66	84	114	165	248
-13.0	0	1	8	25	47	65	81	111	161	240
-15.0	0	1	7	24	47	63	78	108	157	226
-17.0	0	1	7	23	46	61	77	105	151	219
-19.5	0	1	7	23	45	60	76	101	141	203
-22.5	0	1	7	21	44	58	73	95	128	179
-25.5	0	1	6	20	41	55	70	89	114	160
-29.0	0	1	6	19	37	51	64	81	103	141
-33.0	0	1	5	17	33	46	58	72	93	120
-37.5	0	1	4	14	28	43	52	65	81	104
-42.5	0	1	4	12	23	37	47	53	66	81
-47.5	0	1	3	10	18	29	36	41	49	58
-55.0	0	1	2	6	12	17	21	25	28	33
-65.0	0	1	2	3	5	7	9	11	12	14
-75.0	0	1	1	1	1	2	2	3	3	4
-85.0	0	0	1	0	0	0	0	0	0	0
-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	4	5	5	5	6	6	6	7	7	8
65.0	15	16	18	19	19	20	22	23	25	26
55.0	39	46	51	55	59	65	69	73	77	80
47.5	69	82	97	111	125	140	155	173	190	206
42.5	99	124	154	182	213	247	282	322	368	414
37.5	137	175	231	291	348	418	496	584	695	808
33.0	166	221	306	406	499	621	783	969	1204 *	1471 *
29.0	192	278	390	536	683	866	1157 *	1501 *	1910 *	2435 *
25.5	230	329	488	653	870	1137 *	1486 *	2099 *	2807 *	3609 *
22.5	269	390	574	798	1022 *	1399 *	1854 *	2616 *	3674 *	4760 *
19.5	300	443	657	926	1225 *	1615 *	2305 *	3141 *	4444 *	5827 *
17.0	328	470	715	997 *	1333 *	1799 *	2474 *	3539 *	4870 *	6464 *
15.0	342	496	739	1059 *	1376 *	1870 *	2562 *	3657 *	5024 *	6681 *
13.0	348	516	782	1084 *	1431 *	1868 *	2639 *	3636 *	5139 *	6722 *
11.0	361	528	813	1126 *	1461 *	1969 *	2734 *	3826 *	5186 *	6792 *
9.0	372	557	836	1171 *	1538 *	2035 *	2850 *	3934 *	5318 *	6831 *
7.0	380	574	872	1216 *	1582 *	2129 *	2935 *	4068 *	5523 *	6962 *
5.0	392	590	892	1251 *	1646 *	2202 *	3053 *	4202 *	5675 *	7364 *
3.0	397	597	921	1314 *	1717 *	2288 *	3121 *	4340 *	5907 *	7586 *
1.0	406	607	941	1349 *	1778 *	2398 *	3313 *	4573 *	6219 *	8083 *
0.0	410	614	946	1335 *	1758 *	2359 *	3247 *	4491 *	6138 *	7921 *
-1.0	406	607	941	1349 *	1778 *	2398 *	3313 *	4573 *	6219 *	8083 *
-3.0	397	597	921	1314 *	1717 *	2288 *	3121 *	4340 *	5907 *	7586 *
-5.0	392	590	892	1251 *	1646 *	2202 *	3053 *	4202 *	5675 *	7364 *
-7.0	380	574	872	1216 *	1582 *	2129 *	2935 *	4068 *	5523 *	6962 *
-9.0	372	557	836	1171 *	1538 *	2035 *	2850 *	3934 *	5318 *	6831 *
-11.0	361	528	813	1126 *	1461 *	1969 *	2734 *	3826 *	5186 *	6792 *
-13.0	348	516	782	1084 *	1431 *	1868 *	2639 *	3636 *	5139 *	6722 *
-15.0	342	496	739	1059 *	1376 *	1870 *	2562 *	3657 *	5024 *	6681 *
-17.0	328	470	715	997 *	1333 *	1799 *	2474 *	3539 *	4870 *	6464 *
-19.5	300	443	657	926	1225 *	1615 *	2305 *	3141 *	4444 *	5827 *
-22.5	269	390	574	798	1022 *	1399 *	1854 *	2616 *	3674 *	4760 *
-25.5	230	329	488	653	870	1137 *	1486 *	2099 *	2807 *	3609 *
-29.0	192	278	390	536	683	866	1157 *	1501 *	1910 *	2435 *
-33.0	166	221	306	406	499	621	783	969	1204 *	1471 *
-37.5	137	175	231	291	348	418	496	584	695	808
-42.5	99	124	154	182	213	247	282	322	368	414
-47.5	69	82	97	111	125	140	155	173	190	206
-55.0	39	46	51	55	59	65	69	73	77	80
-65.0	15	16	18	19	19	20	22	23	25	26
-75.0	4	5	5	5	6	6	6	7	7	8
-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	0	0	0	0	0	0	0	0	0	0
75.0	8	9	9	9	8	8	7	7	6	6
65.0	27	28	28	28	27	26	25	23	22	20

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CANDELA TABULATION - (Cont.)

55.0	83	84	85	84	83	80	77	73	69	65
47.5	221	227	230	227	221	206	190	173	155	140
42.5	457	462	465	462	457	414	368	322	282	247
37.5	916	940	947	940	916	808	695	584	496	418
33.0	1737 *	1871 *	1920 *	1871 *	1737 *	1471 *	1204 *	969	783	621
29.0	2959 *	3262 *	3346 *	3262 *	2959 *	2435 *	1910 *	1501 *	1157 *	866
25.5	4423 *	4931 *	5063 *	4931 *	4423 *	3609 *	2807 *	2099 *	1486 *	1137 *
22.5	5792 *	6506 *	6672 *	6506 *	5792 *	4760 *	3674 *	2616 *	1854 *	1399 *
19.5	7051 *	7975 *	8173 *	7975 *	7051 *	5827 *	4444 *	3141 *	2305 *	1615 *
17.0	7818 *	8834 *	9029 *	8834 *	7818 *	6464 *	4870 *	3539 *	2474 *	1799 *
15.0	8066 *	9059 *	9238 *	9059 *	8066 *	6681 *	5024 *	3657 *	2562 *	1870 *
13.0	8144 *	9056 *	9217 *	9056 *	8144 *	6722 *	5139 *	3636 *	2639 *	1868 *
11.0	8180 *	8983 *	9143 *	8983 *	8180 *	6792 *	5186 *	3826 *	2734 *	1969 *
9.0	8152 *	8901 *	9062 *	8901 *	8152 *	6831 *	5318 *	3934 *	2850 *	2035 *
7.0	8267 *	8946 *	9072 *	8946 *	8267 *	6962 *	5523 *	4068 *	2935 *	2129 *
5.0	8554 *	9125 *	9193 *	9125 *	8554 *	7364 *	5675 *	4202 *	3053 *	2202 *
3.0	8932 *	9357 *	9365 *	9357 *	8932 *	7586 *	5907 *	4340 *	3121 *	2288 *
1.0	9315 *	9709 *	9457 *	9709 *	9315 *	8083 *	6219 *	4573 *	3313 *	2398 *
0.0	9353 *	9913 *	9629 *	9913 *	9353 *	7921 *	6138 *	4491 *	3247 *	2359 *
-1.0	9315 *	9709 *	9457 *	9709 *	9315 *	8083 *	6219 *	4573 *	3313 *	2398 *
-3.0	8932 *	9357 *	9365 *	9357 *	8932 *	7586 *	5907 *	4340 *	3121 *	2288 *
-5.0	8554 *	9125 *	9193 *	9125 *	8554 *	7364 *	5675 *	4202 *	3053 *	2202 *
-7.0	8267 *	8946 *	9072 *	8946 *	8267 *	6962 *	5523 *	4068 *	2935 *	2129 *
-9.0	8152 *	8901 *	9062 *	8901 *	8152 *	6831 *	5318 *	3934 *	2850 *	2035 *
-11.0	8180 *	8983 *	9143 *	8983 *	8180 *	6792 *	5186 *	3826 *	2734 *	1969 *
-13.0	8144 *	9056 *	9217 *	9056 *	8144 *	6722 *	5139 *	3636 *	2639 *	1868 *
-15.0	8066 *	9059 *	9238 *	9059 *	8066 *	6681 *	5024 *	3657 *	2562 *	1870 *
-17.0	7818 *	8834 *	9029 *	8834 *	7818 *	6464 *	4870 *	3539 *	2474 *	1799 *
-19.5	7051 *	7975 *	8173 *	7975 *	7051 *	5827 *	4444 *	3141 *	2305 *	1615 *
-22.5	5792 *	6506 *	6672 *	6506 *	5792 *	4760 *	3674 *	2616 *	1854 *	1399 *
-25.5	4423 *	4931 *	5063 *	4931 *	4423 *	3609 *	2807 *	2099 *	1486 *	1137 *
-29.0	2959 *	3262 *	3346 *	3262 *	2959 *	2435 *	1910 *	1501 *	1157 *	866
-33.0	1737 *	1871 *	1920 *	1871 *	1737 *	1471 *	1204 *	969	783	621
-37.5	916	940	947	940	916	808	695	584	496	418
-42.5	457	462	465	462	457	414	368	322	282	247
-47.5	221	227	230	227	221	206	190	173	155	140
-55.0	83	84	85	84	83	80	77	73	69	65
-65.0	27	28	28	28	27	26	25	23	22	20
-75.0	8	9	9	9	8	8	7	7	6	6
-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>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	0	0	0	0	0
75.0	6	5	5	5	4	4	3	3	2	2
65.0	19	19	18	16	15	14	12	11	9	7
55.0	59	55	51	46	39	33	28	25	21	17
47.5	125	111	97	82	69	58	49	41	36	29
42.5	213	182	154	124	99	81	66	53	47	37
37.5	348	291	231	175	137	104	81	65	52	43
33.0	499	406	306	221	166	120	93	72	58	46
29.0	683	536	390	278	192	141	103	81	64	51
25.5	870	653	488	329	230	160	114	89	70	55

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CANDELA TABULATION - (Cont.)

22.5	1022 *	798	574	390	269	179	128	95	73	58
19.5	1225 *	926	657	443	300	203	141	101	76	60
17.0	1333 *	997 *	715	470	328	219	151	105	77	61
15.0	1376 *	1059 *	739	496	342	226	157	108	78	63
13.0	1431 *	1084 *	782	516	348	240	161	111	81	65
11.0	1461 *	1126 *	813	528	361	248	165	114	84	66
9.0	1538 *	1171 *	836	557	372	250	171	118	87	68
7.0	1582 *	1216 *	872	574	380	258	179	122	90	70
5.0	1646 *	1251 *	892	590	392	266	185	125	93	72
3.0	1717 *	1314 *	921	597	397	270	189	127	95	73
1.0	1778 *	1349 *	941	607	406	272	190	128	96	74
0.0	1758 *	1335 *	946	614	410	271	190	128	96	75
-1.0	1778 *	1349 *	941	607	406	272	190	128	96	74
-3.0	1717 *	1314 *	921	597	397	270	189	127	95	73
-5.0	1646 *	1251 *	892	590	392	266	185	125	93	72
-7.0	1582 *	1216 *	872	574	380	258	179	122	90	70
-9.0	1538 *	1171 *	836	557	372	250	171	118	87	68
-11.0	1461 *	1126 *	813	528	361	248	165	114	84	66
-13.0	1431 *	1084 *	782	516	348	240	161	111	81	65
-15.0	1376 *	1059 *	739	496	342	226	157	108	78	63
-17.0	1333 *	997 *	715	470	328	219	151	105	77	61
-19.5	1225 *	926	657	443	300	203	141	101	76	60
-22.5	1022 *	798	574	390	269	179	128	95	73	58
-25.5	870	653	488	329	230	160	114	89	70	55
-29.0	683	536	390	278	192	141	103	81	64	51
-33.0	499	406	306	221	166	120	93	72	58	46
-37.5	348	291	231	175	137	104	81	65	52	43
-42.5	213	182	154	124	99	81	66	53	47	37
-47.5	125	111	97	82	69	58	49	41	36	29
-55.0	59	55	51	46	39	33	28	25	21	17
-65.0	19	19	18	16	15	14	12	11	9	7
-75.0	6	5	5	5	4	4	3	3	2	2
-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>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	0	0	1	0	0
75.0	1	1	1	1	0
65.0	5	3	2	1	0
55.0	12	6	2	1	0
47.5	18	10	3	1	0
42.5	23	12	4	1	0
37.5	28	14	4	1	0
33.0	33	17	5	1	0
29.0	37	19	6	1	0
25.5	41	20	6	1	0
22.5	44	21	7	1	0
19.5	45	23	7	1	0
17.0	46	23	7	1	0
15.0	47	24	7	1	0
13.0	47	25	8	1	0
11.0	48	25	8	1	0
9.0	48	25	8	1	0

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CANDELA TABULATION - (Cont.)

7.0	48	25	8	1	0
5.0	50	25	8	1	0
3.0	51	25	8	1	0
1.0	52	24	8	1	0
0.0	52	24	8	1	0
-1.0	52	24	8	1	0
-3.0	51	25	8	1	0
-5.0	50	25	8	1	0
-7.0	48	25	8	1	0
-9.0	48	25	8	1	0
-11.0	48	25	8	1	0
-13.0	47	25	8	1	0
-15.0	47	24	7	1	0
-17.0	46	23	7	1	0
-19.5	45	23	7	1	0
-22.5	44	21	7	1	0
-25.5	41	20	6	1	0
-29.0	37	19	6	1	0
-33.0	33	17	5	1	0
-37.5	28	14	4	1	0
-42.5	23	12	4	1	0
-47.5	18	10	3	1	0
-55.0	12	6	2	1	0
-65.0	5	3	2	1	0
-75.0	1	1	1	1	0
-85.0	0	0	1	0	0
-90.0	0	0	0	0	0

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

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 1577.57

Total Field Lumens (one side of beam only) = 1313.96

* 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	0.01	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
65	0.06	0.11	0.10	0.10	0.09	0.09	0.08	0.08	0.07	0.08
55	0.17	0.34	0.33	0.32	0.30	0.28	0.26	0.24	0.22	0.26
47.5	0.36	0.70	0.67	0.63	0.58	0.53	0.48	0.43	0.38	0.43
42.5	0.53	1.04	0.99	0.89	0.79	0.70	0.61	0.54	0.46	0.49
37.5	1.07	2.11	1.97	1.73	1.48	1.26	1.07	0.91	0.76	0.78
33	1.95 *	3.74 *	3.37 *	2.85 *	2.34	1.91	1.55	1.25	1.02	1.00
29	3.17 *	5.98 *	5.23 *	4.25 *	3.37 *	2.65 *	2.04	1.58	1.24	1.18
25.5	4.42 *	8.30 *	7.14 *	5.70 *	4.39 *	3.28 *	2.42 *	1.84	1.41	1.31
22.5	5.29 *	9.89 *	8.47 *	6.75 *	5.07 *	3.62 *	2.63 *	1.96 *	1.47	1.36
19.5	6.70 *	12.48 *	10.68 *	8.50 *	6.28 *	4.46 *	3.21 *	2.33 *	1.74 *	1.60
17	6.47 *	12.05 *	10.32 *	8.18 *	6.03 *	4.30 *	3.05 *	2.21 *	1.64 *	1.49
15	5.51 *	10.28 *	8.82 *	6.98 *	5.15 *	3.67 *	2.59 *	1.89 *	1.40 *	1.27
13	5.57 *	10.45 *	9.00 *	7.14 *	5.27 *	3.75 *	2.66 *	1.93 *	1.45 *	1.32
11	5.54 *	10.46 *	9.07 *	7.22 *	5.37 *	3.85 *	2.74 *	1.99 *	1.49 *	1.38
9	5.50 *	10.42 *	9.10 *	7.31 *	5.51 *	4.00 *	2.86 *	2.07 *	1.55 *	1.43
7	5.48 *	10.43 *	9.18 *	7.46 *	5.68 *	4.14 *	2.96 *	2.15 *	1.61 *	1.48 *
5	5.53 *	10.62 *	9.46 *	7.73 *	5.87 *	4.28 *	3.07 *	2.23 *	1.67 *	1.53 *
3	5.64 *	10.95 *	9.86 *	8.04 *	6.07 *	4.41 *	3.18 *	2.32 *	1.74 *	1.58 *
1	5.77 *	11.36 *	10.31 *	8.42 *	6.35 *	4.60 *	3.31 *	2.42 *	1.80 *	1.64 *
0	2.95 *	5.83 *	5.27 *	4.30 *	3.23 *	2.34 *	1.69 *	1.23 *	0.91 *	0.83 *
-1	2.95 *	5.83 *	5.27 *	4.30 *	3.23 *	2.34 *	1.69 *	1.23 *	0.91 *	0.83 *
	5.77 *	11.36 *	10.31 *	8.42 *	6.35 *	4.60 *	3.31 *	2.42 *	1.80 *	1.64 *

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

LUMENS TABULATION - (Cont.)

-3	5.64 *	10.95 *	9.86 *	8.04 *	6.07 *	4.41 *	3.18 *	2.32 *	1.74 *	1.58 *
-5	5.53 *	10.62 *	9.46 *	7.73 *	5.87 *	4.28 *	3.07 *	2.23 *	1.67 *	1.53 *
-7	5.48 *	10.43 *	9.18 *	7.46 *	5.68 *	4.14 *	2.96 *	2.15 *	1.61 *	1.48 *
-9	5.50 *	10.42 *	9.10 *	7.31 *	5.51 *	4.00 *	2.86 *	2.07 *	1.55 *	1.43
-11	5.54 *	10.46 *	9.07 *	7.22 *	5.37 *	3.85 *	2.74 *	1.99 *	1.49 *	1.38
-13	5.57 *	10.45 *	9.00 *	7.14 *	5.27 *	3.75 *	2.66 *	1.93 *	1.45 *	1.32
-15	5.51 *	10.28 *	8.82 *	6.98 *	5.15 *	3.67 *	2.59 *	1.89 *	1.40 *	1.27
-17	6.47 *	12.05 *	10.32 *	8.18 *	6.03 *	4.30 *	3.05 *	2.21 *	1.64 *	1.49
-19.5	6.70 *	12.48 *	10.68 *	8.50 *	6.28 *	4.46 *	3.21 *	2.33 *	1.74 *	1.60
-22.5	5.29 *	9.89 *	8.47 *	6.75 *	5.07 *	3.62 *	2.63 *	1.96 *	1.47	1.36
-25.5	4.42 *	8.30 *	7.14 *	5.70 *	4.39 *	3.28 *	2.42 *	1.84	1.41	1.31
-29	3.17 *	5.98 *	5.23 *	4.25 *	3.37 *	2.65 *	2.04	1.58	1.24	1.18
-33	1.95 *	3.74 *	3.37 *	2.85 *	2.34	1.91	1.55	1.25	1.02	1.00
-37.5	1.07	2.11	1.97	1.73	1.48	1.26	1.07	0.91	0.76	0.78
-42.5	0.53	1.04	0.99	0.89	0.79	0.70	0.61	0.54	0.46	0.49
-47.5	0.36	0.70	0.67	0.63	0.58	0.53	0.48	0.43	0.38	0.43
-55	0.17	0.34	0.33	0.32	0.30	0.28	0.26	0.24	0.22	0.26
-65	0.06	0.11	0.10	0.10	0.09	0.09	0.08	0.08	0.07	0.08
-75	0.01	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
-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	155.39	295.13	258.71	209.04	158.49	116.28	85.01	63.22	48.10	44.92

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01
75	0.09	0.08	0.09	0.09	0.08	0.07	0.05	0.05	0.04	0.02
65	0.28	0.24	0.24	0.23	0.21	0.19	0.15	0.15	0.10	0.03
55	0.44	0.37	0.35	0.33	0.30	0.27	0.21	0.20	0.13	0.04

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

LUMENS TABULATION - (Cont.)

47.5										
	0.49	0.39	0.36	0.33	0.29	0.26	0.20	0.19	0.12	0.04
42.5										
	0.73	0.56	0.50	0.43	0.37	0.32	0.24	0.23	0.15	0.04
37.5										
	0.90	0.66	0.56	0.47	0.39	0.32	0.24	0.24	0.16	0.05
33										
	1.02	0.72	0.59	0.48	0.39	0.32	0.24	0.24	0.16	0.05
29										
	1.11	0.75	0.60	0.47	0.38	0.31	0.23	0.23	0.16	0.05
25.5										
	1.14	0.76	0.60	0.46	0.36	0.29	0.21	0.21	0.14	0.04
22.5										
	1.32	0.88	0.68	0.51	0.39	0.30	0.22	0.22	0.15	0.05
19.5										
	1.22	0.80	0.62	0.47	0.35	0.26	0.18	0.19	0.13	0.04
17										
	1.03	0.68	0.53	0.39	0.29	0.21	0.15	0.16	0.11	0.03
15										
	1.08	0.71	0.55	0.41	0.30	0.22	0.15	0.16	0.11	0.03
13										
	1.13	0.73	0.57	0.42	0.31	0.23	0.16	0.16	0.11	0.03
11										
	1.17	0.76	0.58	0.44	0.32	0.24	0.16	0.16	0.11	0.03
9										
	1.21	0.79	0.60	0.45	0.33	0.24	0.17	0.17	0.11	0.03
7										
	1.25	0.81	0.61	0.46	0.34	0.25	0.17	0.17	0.11	0.03
5										
	1.28	0.82	0.63	0.48	0.35	0.26	0.18	0.18	0.11	0.03
3										
	1.31	0.84	0.64	0.48	0.35	0.26	0.18	0.18	0.12	0.03
1										
	0.66	0.43	0.32	0.24	0.18	0.13	0.09	0.09	0.06	0.02
0										
	0.66	0.43	0.32	0.24	0.18	0.13	0.09	0.09	0.06	0.02
-1										
	1.31	0.84	0.64	0.48	0.35	0.26	0.18	0.18	0.12	0.03
-3										
	1.28	0.82	0.63	0.48	0.35	0.26	0.18	0.18	0.11	0.03
-5										
	1.25	0.81	0.61	0.46	0.34	0.25	0.17	0.17	0.11	0.03
-7										
	1.21	0.79	0.60	0.45	0.33	0.24	0.17	0.17	0.11	0.03
-9										
	1.17	0.76	0.58	0.44	0.32	0.24	0.16	0.16	0.11	0.03
-11										
	1.13	0.73	0.57	0.42	0.31	0.23	0.16	0.16	0.11	0.03
-13										
	1.08	0.71	0.55	0.41	0.30	0.22	0.15	0.16	0.11	0.03
-15										
	1.03	0.68	0.53	0.39	0.29	0.21	0.15	0.16	0.11	0.03
-17										
	1.22	0.80	0.62	0.47	0.35	0.26	0.18	0.19	0.13	0.04
-19.5										
	1.32	0.88	0.68	0.51	0.39	0.30	0.22	0.22	0.15	0.05

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

LUMENS TABULATION - (Cont.)

-22.5	1.14	0.76	0.60	0.46	0.36	0.29	0.21	0.21	0.14	0.04
-25.5	1.11	0.75	0.60	0.47	0.38	0.31	0.23	0.23	0.16	0.05
-29	1.02	0.72	0.59	0.48	0.39	0.32	0.24	0.24	0.16	0.05
-33	0.90	0.66	0.56	0.47	0.39	0.32	0.24	0.24	0.16	0.05
-37.5	0.73	0.56	0.50	0.43	0.37	0.32	0.24	0.23	0.15	0.04
-42.5	0.49	0.39	0.36	0.33	0.29	0.26	0.20	0.19	0.12	0.04
-47.5	0.44	0.37	0.35	0.33	0.30	0.27	0.21	0.20	0.13	0.04
-55	0.28	0.24	0.24	0.23	0.21	0.19	0.15	0.15	0.10	0.03
-65	0.09	0.08	0.09	0.09	0.08	0.07	0.05	0.05	0.04	0.02
-75	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01
-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	37.74	25.59	20.46	16.09	12.61	9.93	7.19	7.19	4.78	1.48

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90	0.00	0.00	0.00	
85	0.00	0.00	0.35	
75	0.01	0.00	1.54	
65	0.01	0.00	4.54	
55	0.01	0.00	7.84	
47.5	0.01	0.00	9.72	
42.5	0.01	0.00	16.73	
37.5	0.01	0.00	24.98	
33	0.01	0.00	34.90	
29	0.01	0.00	44.50	
25.5	0.01	0.00	50.72	
22.5	0.01	0.00	62.70	
19.5	0.01	0.00	60.01	
17	0.00	0.00	51.15	

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

LUMENS TABULATION - (Cont.)

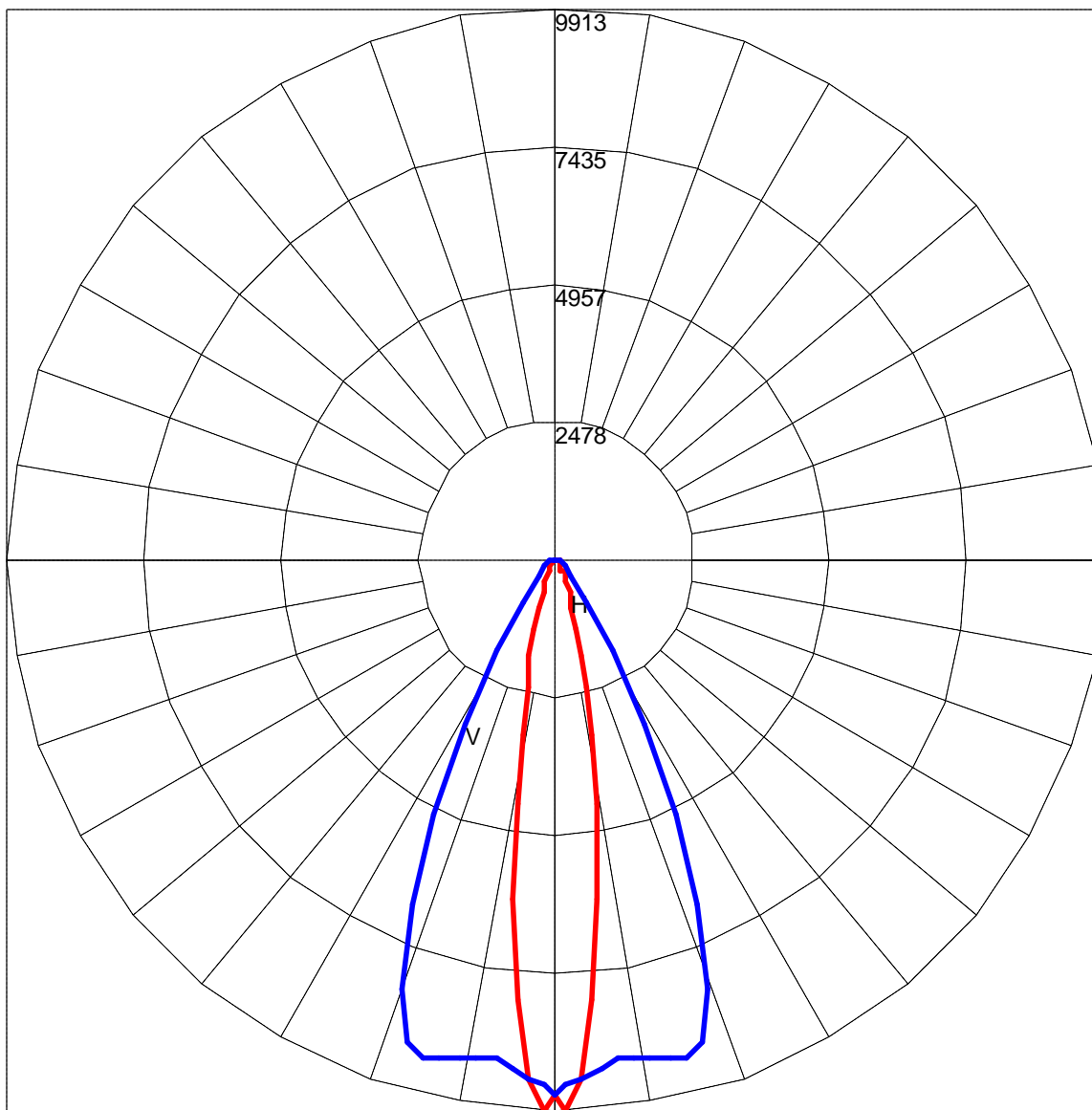
15	0.00	0.00	52.27
13	0.00	0.00	52.97
11	0.00	0.00	53.71
9	0.00	0.00	54.69
7	0.00	0.00	56.23
5	0.00	0.00	58.11
3	0.00	0.00	60.37
1	0.00	0.00	30.78
0	0.00	0.00	30.78
-1	0.00	0.00	60.37
-3	0.00	0.00	58.11
-5	0.00	0.00	56.23
-7	0.00	0.00	54.69
-9	0.00	0.00	53.71
-11	0.00	0.00	52.97
-13	0.00	0.00	52.27
-15	0.00	0.00	51.15
-17	0.01	0.00	60.01
-19.5	0.01	0.00	62.70
-22.5	0.01	0.00	50.72
-25.5	0.01	0.00	44.50
-29	0.01	0.00	34.90
-33	0.01	0.00	24.98
-37.5	0.01	0.00	16.73
-42.5	0.01	0.00	9.72
-47.5	0.01	0.00	7.84
-55	0.01	0.00	4.54
-65	0.01	0.00	1.54

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

LUMENS TABULATION - (Cont.)

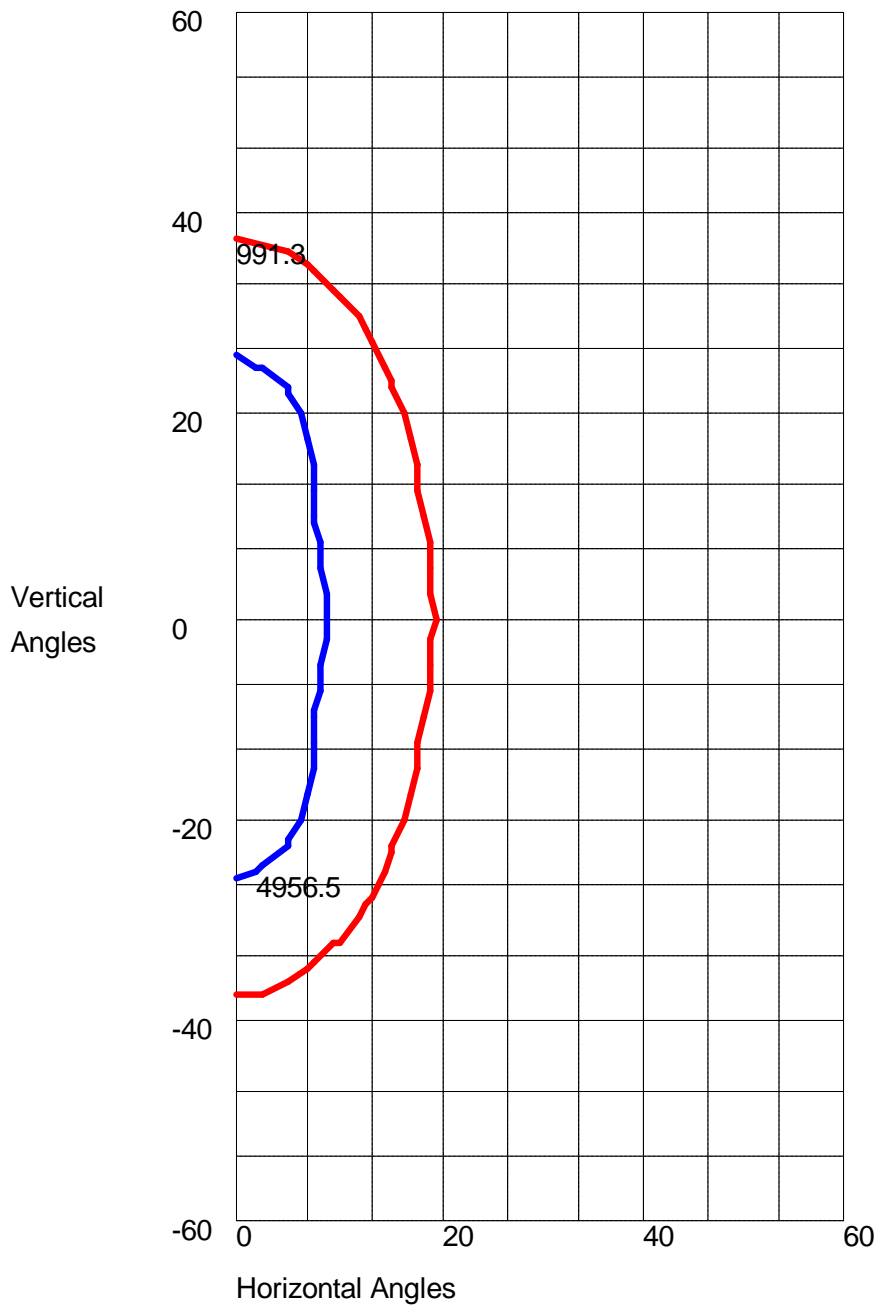
-75	0.00	0.00	0.35
-85	0.00	0.00	0.00
-90			
Total	0.23	0.01	1577.57

AXIAL CANDELA DISPLAY



Maximum Candela = 9913 Located At Horizontal Angle = -1, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 9913 Located At Horizontal Angle = -1, Vertical Angle = 0
50% Maximum Candela = 4956.5
10% Maximum Candela = 991.3