



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : XFLM-NF-LED-28-HO-WW.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-5296  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]03/16/14  
[TEST DATE]03/16/14  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMCAT]XFLM-NF-LED-28-HO-WW  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[ABSOLUTE LUMENS]2284  
[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	10842
Maximum Candela Angle	-1H 0V
Horizontal Beam Angle (50%)	22.5
Vertical Beam Angle (50%)	21.2
Horizontal Field Angle (10%)	44.5
Vertical Field Angle (10%)	44.4
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	877
Beam Efficiency	N.A.
Field Lumens	1771
Field Efficiency	N.A.
Spill Lumens	523
Luminaire Lumens	2294
Total Efficiency	N.A.
Total Luminaire Watts	38.4
Ballast Factor	1.00

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**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	0	85	2
75	0	75	9
65	0	65	35
55	7	55	64
47.5	59	47.5	99
42.5	87	42.5	132
37.5	146	37.5	176
33	266	33	277
29	405	29	438
25.5	648	25.5	670
22.5	1033	22.5	1016
19.5	1646	19.5	1599
17	2417	17	2316
15	3271	15	3059
13	4354	13	4041
11	5591	11	5220
9	6996	9	6554
7	8552	7	7912
5	9750	5	9117
3	10562	3	9995
1	10842	1	10347
0	10576	0	10576
-1	10842	-1	10347
-3	10562	-3	9995
-5	9750	-5	9117
-7	8552	-7	7912
-9	6996	-9	6554
-11	5591	-11	5220
-13	4354	-13	4041
-15	3271	-15	3059
-17	2417	-17	2316
-19.5	1646	-19.5	1599
-22.5	1033	-22.5	1016
-25.5	648	-25.5	670
-29	405	-29	438
-33	266	-33	277
-37.5	146	-37.5	176
-42.5	87	-42.5	132
-47.5	59	-47.5	99
-55	7	-55	64
-65	0	-65	35
-75	0	-75	9
-85	0	-85	2
-90	0	-90	0

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**CANDELA TABULATION**

Maximum Candela = 10842

Beam Edge = 5421 Cd (50% of Max.)

Field Edge = 1084.2 Cd (10% of Max.)

\* Indicates Values Inside Field Edge

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b><u>-90.0</u></b>	<b><u>-85.0</u></b>	<b><u>-75.0</u></b>	<b><u>-65.0</u></b>	<b><u>-55.0</u></b>	<b><u>-47.5</u></b>	<b><u>-42.5</u></b>	<b><u>-37.5</u></b>	<b><u>-33.0</u></b>	<b><u>-29.0</u></b>
<b>90.0</b>	0	0	0	0	0	0	0	0	0	0
<b>85.0</b>	0	0	0	0	0	0	0	0	0	0
<b>75.0</b>	0	0	0	0	0	0	1	8	13	6
<b>65.0</b>	0	0	0	0	4	2	3	6	10	11
<b>55.0</b>	0	0	0	2	3	20	9	23	28	35
<b>47.5</b>	0	0	0	5	22	21	23	43	38	45
<b>42.5</b>	0	0	0	3	19	28	43	34	52	75
<b>37.5</b>	0	0	0	0	13	35	35	55	81	87
<b>33.0</b>	0	0	0	1	20	41	50	65	80	105
<b>29.0</b>	0	0	0	3	25	45	54	74	103	130
<b>25.5</b>	0	0	0	5	21	42	66	85	126	163
<b>22.5</b>	0	0	0	8	17	43	71	103	144	202
<b>19.5</b>	0	0	0	10	18	47	69	112	168	241
<b>17.0</b>	0	0	0	12	20	50	68	117	192	264
<b>15.0</b>	0	0	0	14	23	55	70	122	206	285
<b>13.0</b>	0	0	0	16	27	60	76	129	217	312
<b>11.0</b>	0	0	0	18	31	63	84	138	227	333
<b>9.0</b>	0	0	0	15	36	67	92	150	242	351
<b>7.0</b>	0	0	0	12	40	70	99	161	259	376
<b>5.0</b>	0	0	0	9	31	71	105	171	271	401
<b>3.0</b>	0	0	0	5	22	67	101	170	278	420
<b>1.0</b>	0	0	0	2	12	62	92	155	270	413
<b>0.0</b>	0	0	0	0	7	59	87	146	266	405
<b>-1.0</b>	0	0	0	2	12	62	92	155	270	413
<b>-3.0</b>	0	0	0	5	22	67	101	170	278	420
<b>-5.0</b>	0	0	0	9	31	71	105	171	271	401
<b>-7.0</b>	0	0	0	12	40	70	99	161	259	376
<b>-9.0</b>	0	0	0	15	36	67	92	150	242	351
<b>-11.0</b>	0	0	0	18	31	63	84	138	227	333
<b>-13.0</b>	0	0	0	16	27	60	76	129	217	312
<b>-15.0</b>	0	0	0	14	23	55	70	122	206	285
<b>-17.0</b>	0	0	0	12	20	50	68	117	192	264
<b>-19.5</b>	0	0	0	10	18	47	69	112	168	241
<b>-22.5</b>	0	0	0	8	17	43	71	103	144	202
<b>-25.5</b>	0	0	0	5	21	42	66	85	126	163
<b>-29.0</b>	0	0	0	3	25	45	54	74	103	130
<b>-33.0</b>	0	0	0	1	20	41	50	65	80	105
<b>-37.5</b>	0	0	0	0	13	35	35	55	81	87
<b>-42.5</b>	0	0	0	3	19	28	43	34	52	75
<b>-47.5</b>	0	0	0	5	22	21	23	43	38	45
<b>-55.0</b>	0	0	0	2	3	20	9	23	28	35
<b>-65.0</b>	0	0	0	0	4	2	3	6	10	11
<b>-75.0</b>	0	0	0	0	0	0	1	8	13	6
<b>-85.0</b>	0	0	0	0	0	0	0	0	0	0
<b>-90.0</b>	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	1	1	2	2
75.0	2	3	8	13	17	16	13	9	5	0
65.0	9	8	14	19	23	26	28	30	31	33
55.0	39	37	37	40	41	41	44	48	53	58
47.5	49	56	61	71	77	83	88	88	86	84
42.5	79	79	82	81	85	93	101	113	123	130
37.5	100	116	122	122	124	138	153	167	177	185
33.0	125	147	170	197	219	241	255	266	277	285
29.0	167	209	257	281	302	332	356	374	394	421
25.5	215	256	319	387	421	453	488	540	588	625
22.5	253	318	404	489	567	623	685	761	850	930
19.5	297	395	513	644	764	903	1036	1177 *	1312 *	1416 *
17.0	349	465	651	825	1009	1209 *	1429 *	1651 *	1855 *	2023 *
15.0	403	560	777	1021	1255 *	1517 *	1823 *	2146 *	2457 *	2682 *
13.0	444	640	915	1235 *	1534 *	1879 *	2298 *	2732 *	3167 *	3518 *
11.0	487	714	1071	1468 *	1870 *	2338 *	2871 *	3461 *	4042 *	4614 *
9.0	537	790	1210 *	1694 *	2221 *	2816 *	3526 *	4323 *	5017 *	5704 *
7.0	577	866	1344 *	1930 *	2551 *	3282 *	4173 *	5119 *	6113 *	6891 *
5.0	630	947	1471 *	2121 *	2894 *	3739 *	4767 *	5877 *	7055 *	8128 *
3.0	675	1022	1612 *	2334 *	3161 *	4158 *	5314 *	6581 *	7807 *	8927 *
1.0	666	1045	1669 *	2454 *	3306 *	4390 *	5654 *	7041 *	8410 *	9616 *
0.0	648	1033	1646 *	2417 *	3271 *	4354 *	5591 *	6996 *	8552 *	9750 *
-1.0	666	1045	1669 *	2454 *	3306 *	4390 *	5654 *	7041 *	8410 *	9616 *
-3.0	675	1022	1612 *	2334 *	3161 *	4158 *	5314 *	6581 *	7807 *	8927 *
-5.0	630	947	1471 *	2121 *	2894 *	3739 *	4767 *	5877 *	7055 *	8128 *
-7.0	577	866	1344 *	1930 *	2551 *	3282 *	4173 *	5119 *	6113 *	6891 *
-9.0	537	790	1210 *	1694 *	2221 *	2816 *	3526 *	4323 *	5017 *	5704 *
-11.0	487	714	1071	1468 *	1870 *	2338 *	2871 *	3461 *	4042 *	4614 *
-13.0	444	640	915	1235 *	1534 *	1879 *	2298 *	2732 *	3167 *	3518 *
-15.0	403	560	777	1021	1255 *	1517 *	1823 *	2146 *	2457 *	2682 *
-17.0	349	465	651	825	1009	1209 *	1429 *	1651 *	1855 *	2023 *
-19.5	297	395	513	644	764	903	1036	1177 *	1312 *	1416 *
-22.5	253	318	404	489	567	623	685	761	850	930
-25.5	215	256	319	387	421	453	488	540	588	625
-29.0	167	209	257	281	302	332	356	374	394	421
-33.0	125	147	170	197	219	241	255	266	277	285
-37.5	100	116	122	122	124	138	153	167	177	185
-42.5	79	79	82	81	85	93	101	113	123	130
-47.5	49	56	61	71	77	83	88	88	86	84
-55.0	39	37	37	40	41	41	44	48	53	58
-65.0	9	8	14	19	23	26	28	30	31	33
-75.0	2	3	8	13	17	16	13	9	5	0
-85.0	0	0	0	0	0	0	1	1	2	2
-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	2	2	2	2	2	2	2	1	1	0
75.0	3	7	9	7	3	0	5	9	13	16
65.0	34	35	35	35	34	33	31	30	28	26

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**CANDELA TABULATION - (Cont.)**

55.0	62	63	64	63	62	58	53	48	44	41
47.5	85	94	99	94	85	84	86	88	88	83
42.5	136	133	132	133	136	130	123	113	101	93
37.5	191	182	176	182	191	185	177	167	153	138
33.0	291	282	277	282	291	285	277	266	255	241
29.0	441	443	438	443	441	421	394	374	356	332
25.5	656	670	670	670	656	625	588	540	488	453
22.5	996	1024	1016	1024	996	930	850	761	685	623
19.5	1521 *	1585 *	1599 *	1585 *	1521 *	1416 *	1312 *	1177 *	1036	903
17.0	2170 *	2279 *	2316 *	2279 *	2170 *	2023 *	1855 *	1651 *	1429 *	1209 *
15.0	2867 *	3013 *	3059 *	3013 *	2867 *	2682 *	2457 *	2146 *	1823 *	1517 *
13.0	3770 *	3990 *	4041 *	3990 *	3770 *	3518 *	3167 *	2732 *	2298 *	1879 *
11.0	4945 *	5129 *	5220 *	5129 *	4945 *	4614 *	4042 *	3461 *	2871 *	2338 *
9.0	6270 *	6506 *	6554 *	6506 *	6270 *	5704 *	5017 *	4323 *	3526 *	2816 *
7.0	7555 *	7881 *	7912 *	7881 *	7555 *	6891 *	6113 *	5119 *	4173 *	3282 *
5.0	8729 *	9139 *	9117 *	9139 *	8729 *	8128 *	7055 *	5877 *	4767 *	3739 *
3.0	9756 *	10007 *	9995 *	10007 *	9756 *	8927 *	7807 *	6581 *	5314 *	4158 *
1.0	10403 *	10599 *	10347 *	10599 *	10403 *	9616 *	8410 *	7041 *	5654 *	4390 *
0.0	10562 *	10842 *	10576 *	10842 *	10562 *	9750 *	8552 *	6996 *	5591 *	4354 *
-1.0	10403 *	10599 *	10347 *	10599 *	10403 *	9616 *	8410 *	7041 *	5654 *	4390 *
-3.0	9756 *	10007 *	9995 *	10007 *	9756 *	8927 *	7807 *	6581 *	5314 *	4158 *
-5.0	8729 *	9139 *	9117 *	9139 *	8729 *	8128 *	7055 *	5877 *	4767 *	3739 *
-7.0	7555 *	7881 *	7912 *	7881 *	7555 *	6891 *	6113 *	5119 *	4173 *	3282 *
-9.0	6270 *	6506 *	6554 *	6506 *	6270 *	5704 *	5017 *	4323 *	3526 *	2816 *
-11.0	4945 *	5129 *	5220 *	5129 *	4945 *	4614 *	4042 *	3461 *	2871 *	2338 *
-13.0	3770 *	3990 *	4041 *	3990 *	3770 *	3518 *	3167 *	2732 *	2298 *	1879 *
-15.0	2867 *	3013 *	3059 *	3013 *	2867 *	2682 *	2457 *	2146 *	1823 *	1517 *
-17.0	2170 *	2279 *	2316 *	2279 *	2170 *	2023 *	1855 *	1651 *	1429 *	1209 *
-19.5	1521 *	1585 *	1599 *	1585 *	1521 *	1416 *	1312 *	1177 *	1036	903
-22.5	996	1024	1016	1024	996	930	850	761	685	623
-25.5	656	670	670	670	656	625	588	540	488	453
-29.0	441	443	438	443	441	421	394	374	356	332
-33.0	291	282	277	282	291	285	277	266	255	241
-37.5	191	182	176	182	191	185	177	167	153	138
-42.5	136	133	132	133	136	130	123	113	101	93
-47.5	85	94	99	94	85	84	86	88	88	83
-55.0	62	63	64	63	62	58	53	48	44	41
-65.0	34	35	35	35	34	33	31	30	28	26
-75.0	3	7	9	7	3	0	5	9	13	16
-85.0	2	2	2	2	2	2	2	1	1	0
-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	0	0	0	0	0	0	0	0	0	0
75.0	17	13	8	3	2	6	13	8	1	0
65.0	23	19	14	8	9	11	10	6	3	2
55.0	41	40	37	37	39	35	28	23	9	20
47.5	77	71	61	56	49	45	38	43	23	21
42.5	85	81	82	79	79	75	52	34	43	28
37.5	124	122	122	116	100	87	81	55	35	35
33.0	219	197	170	147	125	105	80	65	50	41
29.0	302	281	257	209	167	130	103	74	54	45
25.5	421	387	319	256	215	163	126	85	66	42

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**PHOTOMETRIC FILENAME : XFLM-NF-LED-28-HO-WW.IES**

**CANDELA TABULATION - (Cont.)**

22.5	567	489	404	318	253	202	144	103	71	43
19.5	764	644	513	395	297	241	168	112	69	47
17.0	1009	825	651	465	349	264	192	117	68	50
15.0	1255 *	1021	777	560	403	285	206	122	70	55
13.0	1534 *	1235 *	915	640	444	312	217	129	76	60
11.0	1870 *	1468 *	1071	714	487	333	227	138	84	63
9.0	2221 *	1694 *	1210 *	790	537	351	242	150	92	67
7.0	2551 *	1930 *	1344 *	866	577	376	259	161	99	70
5.0	2894 *	2121 *	1471 *	947	630	401	271	171	105	71
3.0	3161 *	2334 *	1612 *	1022	675	420	278	170	101	67
1.0	3306 *	2454 *	1669 *	1045	666	413	270	155	92	62
0.0	3271 *	2417 *	1646 *	1033	648	405	266	146	87	59
-1.0	3306 *	2454 *	1669 *	1045	666	413	270	155	92	62
-3.0	3161 *	2334 *	1612 *	1022	675	420	278	170	101	67
-5.0	2894 *	2121 *	1471 *	947	630	401	271	171	105	71
-7.0	2551 *	1930 *	1344 *	866	577	376	259	161	99	70
-9.0	2221 *	1694 *	1210 *	790	537	351	242	150	92	67
-11.0	1870 *	1468 *	1071	714	487	333	227	138	84	63
-13.0	1534 *	1235 *	915	640	444	312	217	129	76	60
-15.0	1255 *	1021	777	560	403	285	206	122	70	55
-17.0	1009	825	651	465	349	264	192	117	68	50
-19.5	764	644	513	395	297	241	168	112	69	47
-22.5	567	489	404	318	253	202	144	103	71	43
-25.5	421	387	319	256	215	163	126	85	66	42
-29.0	302	281	257	209	167	130	103	74	54	45
-33.0	219	197	170	147	125	105	80	65	50	41
-37.5	124	122	122	116	100	87	81	55	35	35
-42.5	85	81	82	79	79	75	52	34	43	28
-47.5	77	71	61	56	49	45	38	43	23	21
-55.0	41	40	37	37	39	35	28	23	9	20
-65.0	23	19	14	8	9	11	10	6	3	2
-75.0	17	13	8	3	2	6	13	8	1	0
-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	0	0	0
75.0	0	0	0	0	0
65.0	4	0	0	0	0
55.0	3	2	0	0	0
47.5	22	5	0	0	0
42.5	19	3	0	0	0
37.5	13	0	0	0	0
33.0	20	1	0	0	0
29.0	25	3	0	0	0
25.5	21	5	0	0	0
22.5	17	8	0	0	0
19.5	18	10	0	0	0
17.0	20	12	0	0	0
15.0	23	14	0	0	0
13.0	27	16	0	0	0
11.0	31	18	0	0	0
9.0	36	15	0	0	0

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**PHOTOMETRIC FILENAME : XFLM-NF-LED-28-HO-WW.IES**

**CANDELA TABULATION - (Cont.)**

<b>7.0</b>	40	12	0	0	0
<b>5.0</b>	31	9	0	0	0
<b>3.0</b>	22	5	0	0	0
<b>1.0</b>	12	2	0	0	0
<b>0.0</b>	7	0	0	0	0
<b>-1.0</b>	12	2	0	0	0
<b>-3.0</b>	22	5	0	0	0
<b>-5.0</b>	31	9	0	0	0
<b>-7.0</b>	40	12	0	0	0
<b>-9.0</b>	36	15	0	0	0
<b>-11.0</b>	31	18	0	0	0
<b>-13.0</b>	27	16	0	0	0
<b>-15.0</b>	23	14	0	0	0
<b>-17.0</b>	20	12	0	0	0
<b>-19.5</b>	18	10	0	0	0
<b>-22.5</b>	17	8	0	0	0
<b>-25.5</b>	21	5	0	0	0
<b>-29.0</b>	25	3	0	0	0
<b>-33.0</b>	20	1	0	0	0
<b>-37.5</b>	13	0	0	0	0
<b>-42.5</b>	19	3	0	0	0
<b>-47.5</b>	22	5	0	0	0
<b>-55.0</b>	3	2	0	0	0
<b>-65.0</b>	4	0	0	0	0
<b>-75.0</b>	0	0	0	0	0
<b>-85.0</b>	0	0	0	0	0
<b>-90.0</b>	0	0	0	0	0

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : XFLM-NF-LED-28-HO-WW.IES**

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 1146.77

Total Field Lumens (one side of beam only) = 885.51

\* 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	0.02	0.02	0.01	0.01	0.03	0.04	0.04	0.05	0.04	0.04
65	0.07	0.12	0.11	0.10	0.11	0.12	0.12	0.12	0.11	0.10
55	0.15	0.30	0.28	0.27	0.24	0.22	0.21	0.19	0.18	0.20
47.5	0.18	0.35	0.33	0.32	0.31	0.30	0.29	0.27	0.25	0.28
42.5	0.17	0.34	0.33	0.32	0.31	0.29	0.27	0.25	0.23	0.27
37.5	0.24	0.49	0.49	0.47	0.44	0.40	0.36	0.33	0.30	0.37
33	0.31	0.65	0.65	0.63	0.60	0.57	0.53	0.48	0.44	0.50
29	0.44	0.89	0.87	0.83	0.79	0.75	0.71	0.65	0.59	0.65
25.5	0.59	1.18	1.14	1.08	1.00	0.92	0.85	0.78	0.71	0.79
22.5	0.77	1.53	1.46	1.36	1.24	1.11	1.01	0.92	0.82	0.87
19.5	1.19 *	2.34 *	2.22 *	2.05 *	1.86	1.65	1.45	1.27	1.08	1.11
17	1.48 *	2.87 *	2.71 *	2.50 *	2.26 *	1.98 *	1.70 *	1.44	1.19	1.19
15	1.62 *	3.14 *	2.96 *	2.73 *	2.45 *	2.11 *	1.78 *	1.47 *	1.20	1.18
13	2.15 *	4.15 *	3.90 *	3.58 *	3.17 *	2.70 *	2.24 *	1.83 *	1.48 *	1.43
11	2.80 *	5.43 *	5.12 *	4.65 *	4.04 *	3.41 *	2.80 *	2.25 *	1.79 *	1.70 *
9	3.57 *	6.96 *	6.54 *	5.87 *	5.08 *	4.25 *	3.44 *	2.73 *	2.12 *	1.97 *
7	4.39 *	8.59 *	8.03 *	7.19 *	6.21 *	5.14 *	4.11 *	3.21 *	2.46 *	2.23 *
5	5.19 *	10.14 *	9.51 *	8.54 *	7.29 *	5.98 *	4.76 *	3.68 *	2.78 *	2.48 *
3	5.83 *	11.46 *	10.80 *	9.67 *	8.24 *	6.76 *	5.36 *	4.12 *	3.08 *	2.73 *
1	6.24 *	12.41 *	11.76 *	10.53 *	9.00 *	7.38 *	5.81 *	4.44 *	3.30 *	2.92 *
0	3.23 *	6.45 *	6.13 *	5.50 *	4.68 *	3.79 *	2.98 *	2.26 *	1.68 *	1.48 *
-1	3.23 *	6.45 *	6.13 *	5.50 *	4.68 *	3.79 *	2.98 *	2.26 *	1.68 *	1.48 *
	6.24 *	12.41 *	11.76 *	10.53 *	9.00 *	7.38 *	5.81 *	4.44 *	3.30 *	2.92 *



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : XFLM-NF-LED-28-HO-WW.IES**

**LUMENS TABULATION - (Cont.)**

<b>-3</b>	5.83 *	11.46 *	10.80 *	9.67 *	8.24 *	6.76 *	5.36 *	4.12 *	3.08 *	2.73 *
<b>-5</b>	5.19 *	10.14 *	9.51 *	8.54 *	7.29 *	5.98 *	4.76 *	3.68 *	2.78 *	2.48 *
<b>-7</b>	4.39 *	8.59 *	8.03 *	7.19 *	6.21 *	5.14 *	4.11 *	3.21 *	2.46 *	2.23 *
<b>-9</b>	3.57 *	6.96 *	6.54 *	5.87 *	5.08 *	4.25 *	3.44 *	2.73 *	2.12 *	1.97 *
<b>-11</b>	2.80 *	5.43 *	5.12 *	4.65 *	4.04 *	3.41 *	2.80 *	2.25 *	1.79 *	1.70 *
<b>-13</b>	2.15 *	4.15 *	3.90 *	3.58 *	3.17 *	2.70 *	2.24 *	1.83 *	1.48 *	1.43
<b>-15</b>	1.62 *	3.14 *	2.96 *	2.73 *	2.45 *	2.11 *	1.78 *	1.47 *	1.20	1.18
<b>-17</b>	1.48 *	2.87 *	2.71 *	2.50 *	2.26 *	1.98 *	1.70 *	1.44	1.19	1.19
<b>-19.5</b>	1.19 *	2.34 *	2.22 *	2.05 *	1.86	1.65	1.45	1.27	1.08	1.11
<b>-22.5</b>	0.77	1.53	1.46	1.36	1.24	1.11	1.01	0.92	0.82	0.87
<b>-25.5</b>	0.59	1.18	1.14	1.08	1.00	0.92	0.85	0.78	0.71	0.79
<b>-29</b>	0.44	0.89	0.87	0.83	0.79	0.75	0.71	0.65	0.59	0.65
<b>-33</b>	0.31	0.65	0.65	0.63	0.60	0.57	0.53	0.48	0.44	0.50
<b>-37.5</b>	0.24	0.49	0.49	0.47	0.44	0.40	0.36	0.33	0.30	0.37
<b>-42.5</b>	0.17	0.34	0.33	0.32	0.31	0.29	0.27	0.25	0.23	0.27
<b>-47.5</b>	0.18	0.35	0.33	0.32	0.31	0.30	0.29	0.27	0.25	0.28
<b>-55</b>	0.15	0.30	0.28	0.27	0.24	0.22	0.21	0.19	0.18	0.20
<b>-65</b>	0.07	0.12	0.11	0.10	0.11	0.12	0.12	0.12	0.11	0.10
<b>-75</b>	0.02	0.02	0.01	0.01	0.03	0.04	0.04	0.05	0.04	0.04
<b>-85</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>-90</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	81.25	159.60	150.70	136.40	118.68	99.78	81.63	65.48	51.63	48.95

**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>
<b>90</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>85</b>	0.02	0.01	0.02	0.05	0.06	0.03	0.00	0.00	0.00	0.00
<b>75</b>	0.07	0.05	0.07	0.10	0.10	0.05	0.02	0.02	0.02	0.00
<b>65</b>	0.20	0.19	0.22	0.22	0.19	0.12	0.09	0.10	0.03	0.01
<b>55</b>	0.31	0.28	0.30	0.29	0.28	0.21	0.15	0.18	0.09	0.01

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : XFLM-NF-LED-28-HO-WW.IES**

**LUMENS TABULATION - (Cont.)**

<b>47.5</b>										
	0.30	0.27	0.29	0.27	0.23	0.21	0.15	0.16	0.09	0.01
<b>42.5</b>										
	0.43	0.39	0.40	0.39	0.31	0.24	0.19	0.17	0.07	0.00
<b>37.5</b>										
	0.53	0.46	0.44	0.41	0.35	0.27	0.20	0.18	0.06	0.00
<b>33</b>										
	0.67	0.54	0.50	0.44	0.36	0.28	0.20	0.19	0.07	0.00
<b>29</b>										
	0.78	0.62	0.56	0.48	0.38	0.28	0.20	0.17	0.07	0.01
<b>25.5</b>										
	0.83	0.65	0.59	0.50	0.38	0.28	0.18	0.13	0.06	0.01
<b>22.5</b>										
	1.04	0.79	0.71	0.59	0.44	0.31	0.19	0.13	0.06	0.01
<b>19.5</b>										
	1.08	0.79	0.68	0.56	0.41	0.27	0.16	0.12	0.06	0.01
<b>17</b>										
	1.05	0.74	0.62	0.49	0.36	0.22	0.13	0.11	0.05	0.01
<b>15</b>										
	1.23	0.85	0.68	0.53	0.38	0.23	0.14	0.12	0.06	0.02
<b>13</b>										
	1.42	0.95	0.75	0.57	0.40	0.25	0.15	0.13	0.07	0.02
<b>11</b>										
	1.61	1.06	0.81	0.60	0.42	0.27	0.16	0.14	0.08	0.02
<b>9</b>										
	1.80	1.16	0.87	0.64	0.45	0.29	0.18	0.15	0.08	0.01
<b>7</b>										
	1.97 *	1.26	0.94	0.68	0.48	0.31	0.19	0.15	0.07	0.01
<b>5</b>										
	2.15 *	1.37	1.01	0.72	0.50	0.32	0.19	0.14	0.05	0.01
<b>3</b>										
	2.28 *	1.42	1.03	0.72	0.49	0.30	0.17	0.12	0.03	0.00
<b>1</b>										
	1.15 *	0.71	0.51	0.35	0.23	0.14	0.08	0.05	0.01	0.00
<b>0</b>										
	1.15 *	0.71	0.51	0.35	0.23	0.14	0.08	0.05	0.01	0.00
<b>-1</b>										
	2.28 *	1.42	1.03	0.72	0.49	0.30	0.17	0.12	0.03	0.00
<b>-3</b>										
	2.15 *	1.37	1.01	0.72	0.50	0.32	0.19	0.14	0.05	0.01
<b>-5</b>										
	1.97 *	1.26	0.94	0.68	0.48	0.31	0.19	0.15	0.07	0.01
<b>-7</b>										
	1.80	1.16	0.87	0.64	0.45	0.29	0.18	0.15	0.08	0.01
<b>-9</b>										
	1.61	1.06	0.81	0.60	0.42	0.27	0.16	0.14	0.08	0.02
<b>-11</b>										
	1.42	0.95	0.75	0.57	0.40	0.25	0.15	0.13	0.07	0.02
<b>-13</b>										
	1.23	0.85	0.68	0.53	0.38	0.23	0.14	0.12	0.06	0.02
<b>-15</b>										
	1.05	0.74	0.62	0.49	0.36	0.22	0.13	0.11	0.05	0.01
<b>-17</b>										
	1.08	0.79	0.68	0.56	0.41	0.27	0.16	0.12	0.06	0.01
<b>-19.5</b>										
	1.04	0.79	0.71	0.59	0.44	0.31	0.19	0.13	0.06	0.01

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : XFLM-NF-LED-28-HO-WW.IES**

**LUMENS TABULATION - (Cont.)**

<b>-22.5</b>	0.83	0.65	0.59	0.50	0.38	0.28	0.18	0.13	0.06	0.01
<b>-25.5</b>	0.78	0.62	0.56	0.48	0.38	0.28	0.20	0.17	0.07	0.01
<b>-29</b>	0.67	0.54	0.50	0.44	0.36	0.28	0.20	0.19	0.07	0.00
<b>-33</b>	0.53	0.46	0.44	0.41	0.35	0.27	0.20	0.18	0.06	0.00
<b>-37.5</b>	0.43	0.39	0.40	0.39	0.31	0.24	0.19	0.17	0.07	0.00
<b>-42.5</b>	0.30	0.27	0.29	0.27	0.23	0.21	0.15	0.16	0.09	0.01
<b>-47.5</b>	0.31	0.28	0.30	0.29	0.28	0.21	0.15	0.18	0.09	0.01
<b>-55</b>	0.20	0.19	0.22	0.22	0.19	0.12	0.09	0.10	0.03	0.01
<b>-65</b>	0.07	0.05	0.07	0.10	0.10	0.05	0.02	0.02	0.02	0.00
<b>-75</b>	0.02	0.01	0.02	0.05	0.06	0.03	0.00	0.00	0.00	0.00
<b>-85</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>-90</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	41.86	29.13	24.00	19.22	14.43	9.80	6.22	5.30	2.36	0.37

<b>Vert. Angles</b>	<b>Horizontal Angles</b>			
	<b><u>75</u></b>	<b><u>85</u></b>	<b><u>90</u></b>	<b><u>Total</u></b>
<b>90</b>	0.00	0.00	0.02	
<b>85</b>	0.00	0.00	0.49	
<b>75</b>	0.00	0.00	1.57	
<b>65</b>	0.00	0.00	3.63	
<b>55</b>	0.00	0.00	4.97	
<b>47.5</b>	0.00	0.00	4.79	
<b>42.5</b>	0.00	0.00	6.46	
<b>37.5</b>	0.00	0.00	8.26	
<b>33</b>	0.00	0.00	10.43	
<b>29</b>	0.00	0.00	12.57	
<b>25.5</b>	0.00	0.00	14.70	
<b>22.5</b>	0.00	0.00	20.49	
<b>19.5</b>	0.00	0.00	23.47	
<b>17</b>	0.00	0.00	24.44	

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : XFLM-NF-LED-28-HO-WW.IES**

**LUMENS TABULATION - (Cont.)**

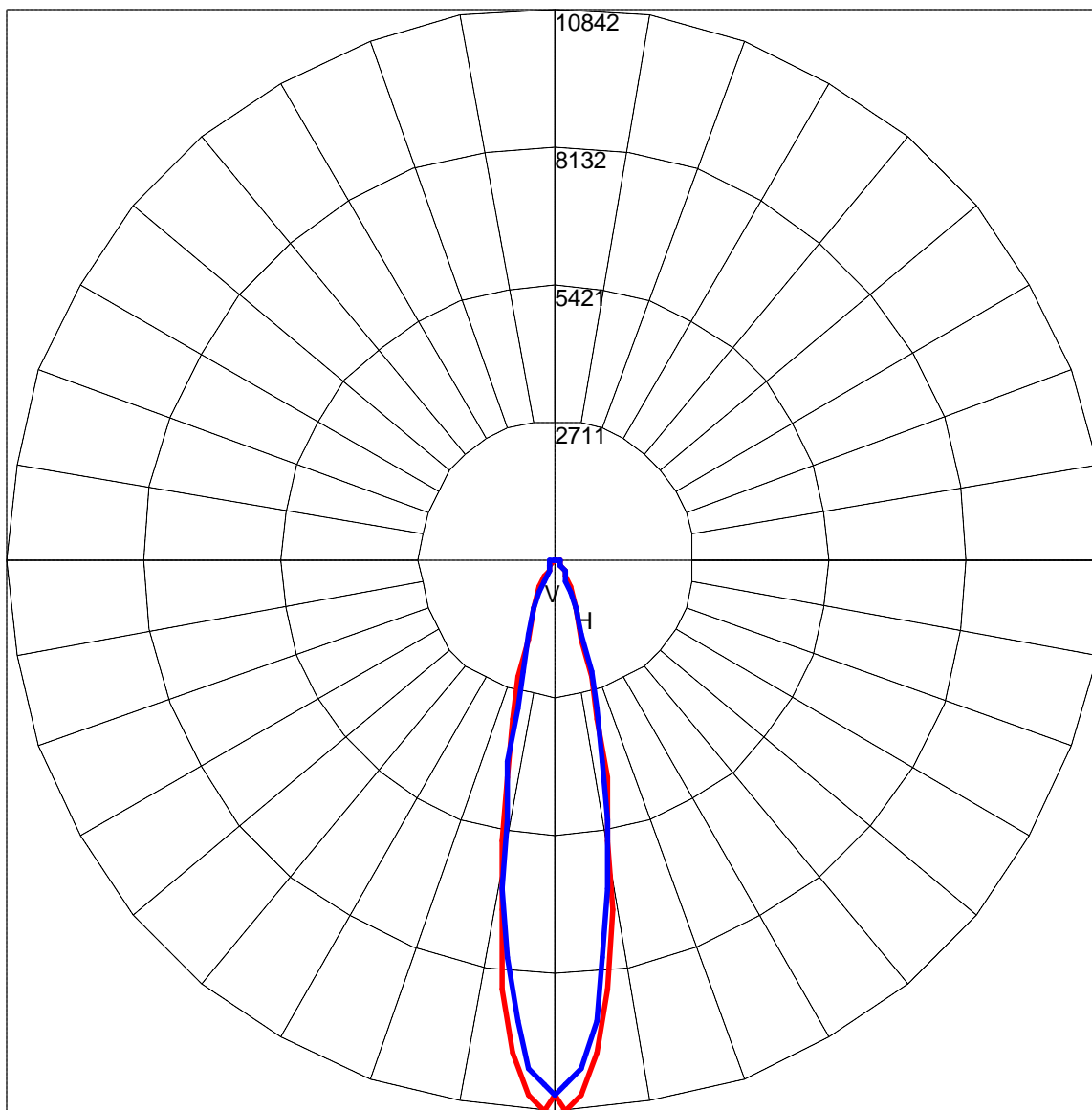
<b>15</b>	0.00	0.00	30.87
<b>13</b>	0.00	0.00	38.69
<b>11</b>	0.00	0.00	47.71
<b>9</b>	0.00	0.00	57.19
<b>7</b>	0.00	0.00	66.42
<b>5</b>	0.00	0.00	74.48
<b>3</b>	0.00	0.00	80.35
<b>1</b>	0.00	0.00	41.41
<b>0</b>	0.00	0.00	41.41
<b>-1</b>	0.00	0.00	80.35
<b>-3</b>	0.00	0.00	74.48
<b>-5</b>	0.00	0.00	66.42
<b>-7</b>	0.00	0.00	57.19
<b>-9</b>	0.00	0.00	47.71
<b>-11</b>	0.00	0.00	38.69
<b>-13</b>	0.00	0.00	30.87
<b>-15</b>	0.00	0.00	24.44
<b>-17</b>	0.00	0.00	23.47
<b>-19.5</b>	0.00	0.00	20.49
<b>-22.5</b>	0.00	0.00	14.70
<b>-25.5</b>	0.00	0.00	12.57
<b>-29</b>	0.00	0.00	10.43
<b>-33</b>	0.00	0.00	8.26
<b>-37.5</b>	0.00	0.00	6.46
<b>-42.5</b>	0.00	0.00	4.79
<b>-47.5</b>	0.00	0.00	4.97
<b>-55</b>	0.00	0.00	3.63
<b>-65</b>	0.00	0.00	1.57

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : XFLM-NF-LED-28-HO-WW.IES**

**LUMENS TABULATION - (Cont.)**

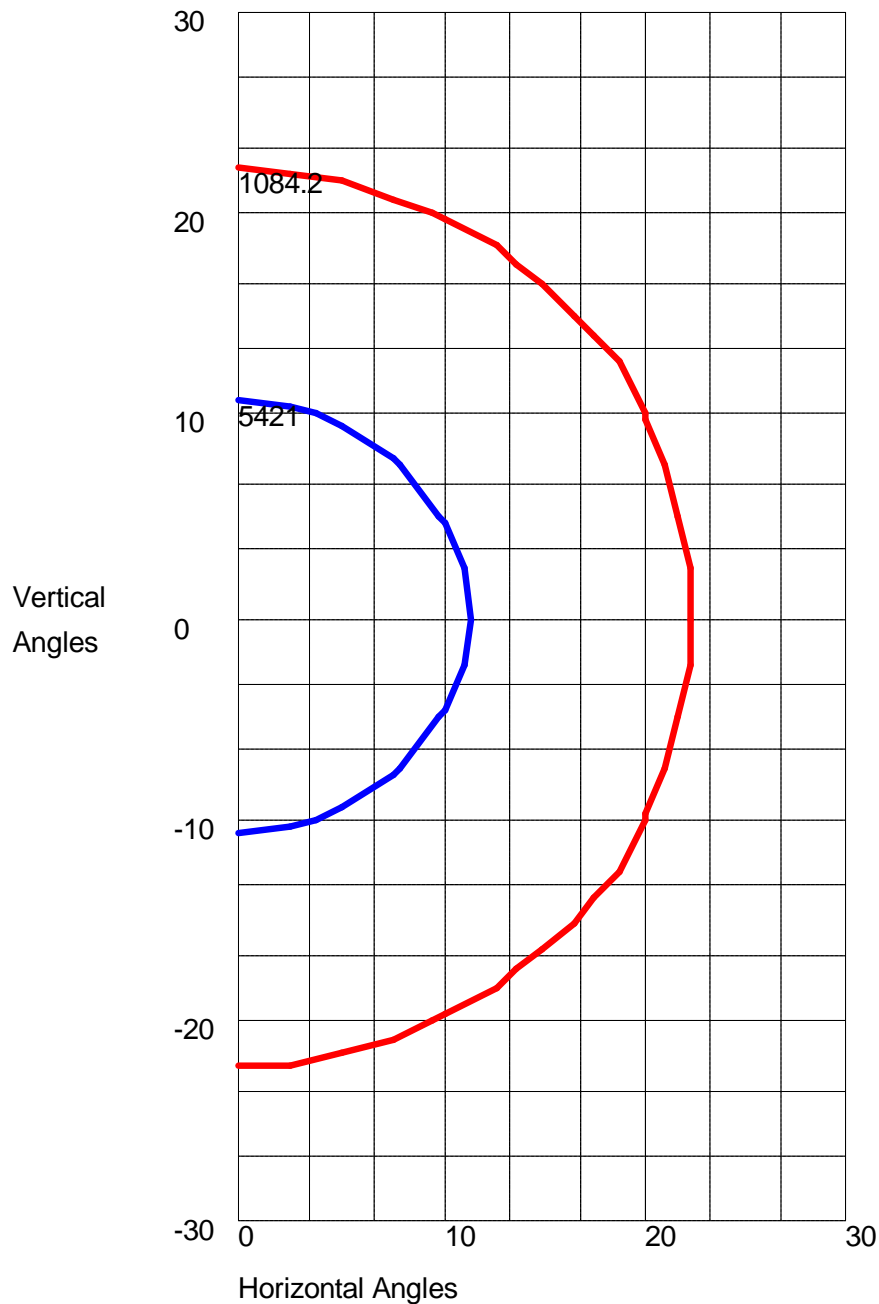
<b>-75</b>	0.00	0.00	0.49
<b>-85</b>	0.00	0.00	0.02
<b>-90</b>			
<b>Total</b>	0.00	0.00	1146.77

AXIAL CANDELA DISPLAY



Maximum Candela = 10842 Located At Horizontal Angle = -1, Vertical Angle = 0  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 10842 Located At Horizontal Angle = -1, Vertical Angle = 0  
50% Maximum Candela = 5421  
10% Maximum Candela = 1084.2