



IES FLOOD REPORT

PHOTOMETRIC FILENAME : XFLM-MF-LED-49-HO-WW.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5305
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/17/14
[TEST DATE]03/17/14
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]XFLM-MF-LED-49-HO-WW
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]3905
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor

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

CHARACTERISTICS

NEMA Type	4 H x 4 V
Maximum Candela	10724
Maximum Candela Angle	-1H 0V
Horizontal Beam Angle (50%)	31.7
Vertical Beam Angle (50%)	31.8
Horizontal Field Angle (10%)	59.3
Vertical Field Angle (10%)	61.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1743
Beam Efficiency	N.A.
Field Lumens	3304
Field Efficiency	N.A.
Spill Lumens	615
Luminaire Lumens	3920
Total Efficiency	N.A.
Total Luminaire Watts	63.2
Ballast Factor	1.00

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-MF-LED-49-HO-WW.IES

AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	0	85	0
75	9	75	7
65	31	65	28
55	70	55	69
47.5	123	47.5	141
42.5	192	42.5	237
37.5	362	37.5	420
33	688	33	771
29	1149	29	1274
25.5	1831	25.5	1970
22.5	2675	22.5	2852
19.5	3782	19.5	3934
17	4852	17	4950
15	5721	15	5765
13	6566	13	6552
11	7462	11	7303
9	8228	9	8031
7	8974	7	8742
5	9714	5	9452
3	10365	3	10054
1	10724	1	10344
0	10560	0	10560
-1	10724	-1	10344
-3	10365	-3	10054
-5	9714	-5	9452
-7	8974	-7	8742
-9	8228	-9	8031
-11	7462	-11	7303
-13	6566	-13	6552
-15	5721	-15	5765
-17	4852	-17	4950
-19.5	3782	-19.5	3934
-22.5	2675	-22.5	2852
-25.5	1831	-25.5	1970
-29	1149	-29	1274
-33	688	-33	771
-37.5	362	-37.5	420
-42.5	192	-42.5	237
-47.5	123	-47.5	141
-55	70	-55	69
-65	31	-65	28
-75	9	-75	7
-85	0	-85	0
-90	0	-90	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-MF-LED-49-HO-WW.IES

CANDELA TABULATION

Maximum Candela = 10724

Beam Edge = 5362 Cd (50% of Max.)

Field Edge = 1072.4 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	0	0	0	0	0	0	0	0
75.0	0	0	0	1	2	2	3	4	4	5
65.0	0	0	1	3	7	11	14	17	19	21
55.0	0	0	2	8	16	25	30	36	42	48
47.5	0	0	3	12	24	38	47	61	68	78
42.5	0	0	4	14	30	47	62	74	88	107
37.5	0	0	5	17	37	58	76	94	121	151
33.0	0	0	6	20	43	69	88	120	158	200
29.0	0	0	7	22	49	77	103	145	199	268
25.5	0	0	7	23	54	83	118	170	245	345
22.5	0	0	8	25	59	90	130	194	292	438
19.5	0	0	8	26	62	95	144	222	345	550
17.0	0	0	8	27	64	101	156	247	407	660
15.0	0	0	8	28	66	106	166	264	455	747
13.0	0	0	9	29	67	112	175	289	494	833
11.0	0	0	9	30	68	116	181	310	535	903
9.0	0	0	9	30	70	119	187	327	574	957
7.0	0	0	9	30	71	122	191	342	609	1014
5.0	0	0	9	31	71	124	193	354	635	1064
3.0	0	0	9	31	71	125	195	361	654	1097 *
1.0	0	0	9	31	70	124	193	363	679	1137 *
0.0	0	0	9	31	70	123	192	362	688	1149 *
-1.0	0	0	9	31	70	124	193	363	679	1137 *
-3.0	0	0	9	31	71	125	195	361	654	1097 *
-5.0	0	0	9	31	71	124	193	354	635	1064
-7.0	0	0	9	30	71	122	191	342	609	1014
-9.0	0	0	9	30	70	119	187	327	574	957
-11.0	0	0	9	30	68	116	181	310	535	903
-13.0	0	0	9	29	67	112	175	289	494	833
-15.0	0	0	8	28	66	106	166	264	455	747
-17.0	0	0	8	27	64	101	156	247	407	660
-19.5	0	0	8	26	62	95	144	222	345	550
-22.5	0	0	8	25	59	90	130	194	292	438
-25.5	0	0	7	23	54	83	118	170	245	345
-29.0	0	0	7	22	49	77	103	145	199	268
-33.0	0	0	6	20	43	69	88	120	158	200
-37.5	0	0	5	17	37	58	76	94	121	151
-42.5	0	0	4	14	30	47	62	74	88	107
-47.5	0	0	3	12	24	38	47	61	68	78
-55.0	0	0	2	8	16	25	30	36	42	48
-65.0	0	0	1	3	7	11	14	17	19	21
-75.0	0	0	0	1	2	2	3	4	4	5
-85.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-MF-LED-49-HO-WW.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	0	0	0	0	0	0	0	0	0	0
75.0	6	6	6	6	6	7	7	7	7	7
65.0	22	23	25	25	26	26	27	28	28	29
55.0	53	56	59	61	63	64	66	68	69	71
47.5	87	97	104	110	116	121	126	131	135	138
42.5	124	137	153	165	177	189	200	209	217	224
37.5	176	199	229	255	277	306	333	358	377	392
33.0	248	294	348	407	455	502	557	612	666	718
29.0	348	434	532	631	716	817	911	998	1084 *	1174 *
25.5	471	610	780	949	1086 *	1224 *	1360 *	1507 *	1647 *	1778 *
22.5	619	820	1060	1303 *	1509 *	1713 *	1913 *	2127 *	2345 *	2542 *
19.5	801	1073 *	1417 *	1756 *	2061 *	2376 *	2704 *	3033 *	3307 *	3531 *
17.0	973	1325 *	1770 *	2220 *	2624 *	3048 *	3472 *	3881 *	4231 *	4497 *
15.0	1121 *	1544 *	2086 *	2676 *	3164 *	3636 *	4141 *	4611 *	5017 *	5308 *
13.0	1278 *	1776 *	2466 *	3148 *	3693 *	4245 *	4813 *	5335 *	5779 *	6138 *
11.0	1402 *	2009 *	2803 *	3584 *	4247 *	4868 *	5452 *	6053 *	6492 *	6884 *
9.0	1510 *	2194 *	3101 *	3976 *	4706 *	5430 *	6098 *	6718 *	7152 *	7527 *
7.0	1608 *	2355 *	3342 *	4299 *	5085 *	5848 *	6575 *	7218 *	7773 *	8142 *
5.0	1691 *	2515 *	3542 *	4540 *	5380 *	6216 *	6962 *	7617 *	8245 *	8830 *
3.0	1751 *	2640 *	3724 *	4758 *	5642 *	6494 *	7278 *	7976 *	8640 *	9288 *
1.0	1808 *	2686 *	3799 *	4883 *	5755 *	6608 *	7405 *	8175 *	8918 *	9653 *
0.0	1831 *	2675 *	3782 *	4852 *	5721 *	6566 *	7462 *	8228 *	8974 *	9714 *
-1.0	1808 *	2686 *	3799 *	4883 *	5755 *	6608 *	7405 *	8175 *	8918 *	9653 *
-3.0	1751 *	2640 *	3724 *	4758 *	5642 *	6494 *	7278 *	7976 *	8640 *	9288 *
-5.0	1691 *	2515 *	3542 *	4540 *	5380 *	6216 *	6962 *	7617 *	8245 *	8830 *
-7.0	1608 *	2355 *	3342 *	4299 *	5085 *	5848 *	6575 *	7218 *	7773 *	8142 *
-9.0	1510 *	2194 *	3101 *	3976 *	4706 *	5430 *	6098 *	6718 *	7152 *	7527 *
-11.0	1402 *	2009 *	2803 *	3584 *	4247 *	4868 *	5452 *	6053 *	6492 *	6884 *
-13.0	1278 *	1776 *	2466 *	3148 *	3693 *	4245 *	4813 *	5335 *	5779 *	6138 *
-15.0	1121 *	1544 *	2086 *	2676 *	3164 *	3636 *	4141 *	4611 *	5017 *	5308 *
-17.0	973	1325 *	1770 *	2220 *	2624 *	3048 *	3472 *	3881 *	4231 *	4497 *
-19.5	801	1073 *	1417 *	1756 *	2061 *	2376 *	2704 *	3033 *	3307 *	3531 *
-22.5	619	820	1060	1303 *	1509 *	1713 *	1913 *	2127 *	2345 *	2542 *
-25.5	471	610	780	949	1086 *	1224 *	1360 *	1507 *	1647 *	1778 *
-29.0	348	434	532	631	716	817	911	998	1084 *	1174 *
-33.0	248	294	348	407	455	502	557	612	666	718
-37.5	176	199	229	255	277	306	333	358	377	392
-42.5	124	137	153	165	177	189	200	209	217	224
-47.5	87	97	104	110	116	121	126	131	135	138
-55.0	53	56	59	61	63	64	66	68	69	71
-65.0	22	23	25	25	26	26	27	28	28	29
-75.0	6	6	6	6	6	7	7	7	7	7
-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	7	7	7	7	7	7	7	7	7	7
65.0	29	28	28	28	29	29	28	28	27	26

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-MF-LED-49-HO-WW.IES

CANDELA TABULATION - (Cont.)

55.0	71	70	69	70	71	71	69	68	66	64
47.5	141	141	141	141	141	138	135	131	126	121
42.5	232	235	237	235	232	224	217	209	200	189
37.5	405	416	420	416	405	392	377	358	333	306
33.0	762	772	771	772	762	718	666	612	557	502
29.0	1248 *	1276 *	1274 *	1276 *	1248 *	1174 *	1084 *	998	911	817
25.5	1895 *	1958 *	1970 *	1958 *	1895 *	1778 *	1647 *	1507 *	1360 *	1224 *
22.5	2702 *	2816 *	2852 *	2816 *	2702 *	2542 *	2345 *	2127 *	1913 *	1713 *
19.5	3748 *	3891 *	3934 *	3891 *	3748 *	3531 *	3307 *	3033 *	2704 *	2376 *
17.0	4733 *	4911 *	4950 *	4911 *	4733 *	4497 *	4231 *	3881 *	3472 *	3048 *
15.0	5536 *	5723 *	5765 *	5723 *	5536 *	5308 *	5017 *	4611 *	4141 *	3636 *
13.0	6394 *	6513 *	6552 *	6513 *	6394 *	6138 *	5779 *	5335 *	4813 *	4245 *
11.0	7149 *	7268 *	7303 *	7268 *	7149 *	6884 *	6492 *	6053 *	5452 *	4868 *
9.0	7848 *	8002 *	8031 *	8002 *	7848 *	7527 *	7152 *	6718 *	6098 *	5430 *
7.0	8509 *	8728 *	8742 *	8728 *	8509 *	8142 *	7773 *	7218 *	6575 *	5848 *
5.0	9149 *	9495 *	9452 *	9495 *	9149 *	8830 *	8245 *	7617 *	6962 *	6216 *
3.0	9817 *	10048 *	10054 *	10048 *	9817 *	9288 *	8640 *	7976 *	7278 *	6494 *
1.0	10246 *	10518 *	10344 *	10518 *	10246 *	9653 *	8918 *	8175 *	7405 *	6608 *
0.0	10365 *	10724 *	10560 *	10724 *	10365 *	9714 *	8974 *	8228 *	7462 *	6566 *
-1.0	10246 *	10518 *	10344 *	10518 *	10246 *	9653 *	8918 *	8175 *	7405 *	6608 *
-3.0	9817 *	10048 *	10054 *	10048 *	9817 *	9288 *	8640 *	7976 *	7278 *	6494 *
-5.0	9149 *	9495 *	9452 *	9495 *	9149 *	8830 *	8245 *	7617 *	6962 *	6216 *
-7.0	8509 *	8728 *	8742 *	8728 *	8509 *	8142 *	7773 *	7218 *	6575 *	5848 *
-9.0	7848 *	8002 *	8031 *	8002 *	7848 *	7527 *	7152 *	6718 *	6098 *	5430 *
-11.0	7149 *	7268 *	7303 *	7268 *	7149 *	6884 *	6492 *	6053 *	5452 *	4868 *
-13.0	6394 *	6513 *	6552 *	6513 *	6394 *	6138 *	5779 *	5335 *	4813 *	4245 *
-15.0	5536 *	5723 *	5765 *	5723 *	5536 *	5308 *	5017 *	4611 *	4141 *	3636 *
-17.0	4733 *	4911 *	4950 *	4911 *	4733 *	4497 *	4231 *	3881 *	3472 *	3048 *
-19.5	3748 *	3891 *	3934 *	3891 *	3748 *	3531 *	3307 *	3033 *	2704 *	2376 *
-22.5	2702 *	2816 *	2852 *	2816 *	2702 *	2542 *	2345 *	2127 *	1913 *	1713 *
-25.5	1895 *	1958 *	1970 *	1958 *	1895 *	1778 *	1647 *	1507 *	1360 *	1224 *
-29.0	1248 *	1276 *	1274 *	1276 *	1248 *	1174 *	1084 *	998	911	817
-33.0	762	772	771	772	762	718	666	612	557	502
-37.5	405	416	420	416	405	392	377	358	333	306
-42.5	232	235	237	235	232	224	217	209	200	189
-47.5	141	141	141	141	141	138	135	131	126	121
-55.0	71	70	69	70	71	71	69	68	66	64
-65.0	29	28	28	28	29	29	28	28	27	26
-75.0	7	7	7	7	7	7	7	7	7	7
-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. 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	6	6	6	6	5	4	4	3	2
65.0	26	25	25	23	22	21	19	17	14	11
55.0	63	61	59	56	53	48	42	36	30	25
47.5	116	110	104	97	87	78	68	61	47	38
42.5	177	165	153	137	124	107	88	74	62	47
37.5	277	255	229	199	176	151	121	94	76	58
33.0	455	407	348	294	248	200	158	120	88	69
29.0	716	631	532	434	348	268	199	145	103	77
25.5	1086 *	949	780	610	471	345	245	170	118	83

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-MF-LED-49-HO-WW.IES

CANDELA TABULATION - (Cont.)

22.5	1509 *	1303 *	1060	820	619	438	292	194	130	90
19.5	2061 *	1756 *	1417 *	1073 *	801	550	345	222	144	95
17.0	2624 *	2220 *	1770 *	1325 *	973	660	407	247	156	101
15.0	3164 *	2676 *	2086 *	1544 *	1121 *	747	455	264	166	106
13.0	3693 *	3148 *	2466 *	1776 *	1278 *	833	494	289	175	112
11.0	4247 *	3584 *	2803 *	2009 *	1402 *	903	535	310	181	116
9.0	4706 *	3976 *	3101 *	2194 *	1510 *	957	574	327	187	119
7.0	5085 *	4299 *	3342 *	2355 *	1608 *	1014	609	342	191	122
5.0	5380 *	4540 *	3542 *	2515 *	1691 *	1064	635	354	193	124
3.0	5642 *	4758 *	3724 *	2640 *	1751 *	1097 *	654	361	195	125
1.0	5755 *	4883 *	3799 *	2686 *	1808 *	1137 *	679	363	193	124
0.0	5721 *	4852 *	3782 *	2675 *	1831 *	1149 *	688	362	192	123
-1.0	5755 *	4883 *	3799 *	2686 *	1808 *	1137 *	679	363	193	124
-3.0	5642 *	4758 *	3724 *	2640 *	1751 *	1097 *	654	361	195	125
-5.0	5380 *	4540 *	3542 *	2515 *	1691 *	1064	635	354	193	124
-7.0	5085 *	4299 *	3342 *	2355 *	1608 *	1014	609	342	191	122
-9.0	4706 *	3976 *	3101 *	2194 *	1510 *	957	574	327	187	119
-11.0	4247 *	3584 *	2803 *	2009 *	1402 *	903	535	310	181	116
-13.0	3693 *	3148 *	2466 *	1776 *	1278 *	833	494	289	175	112
-15.0	3164 *	2676 *	2086 *	1544 *	1121 *	747	455	264	166	106
-17.0	2624 *	2220 *	1770 *	1325 *	973	660	407	247	156	101
-19.5	2061 *	1756 *	1417 *	1073 *	801	550	345	222	144	95
-22.5	1509 *	1303 *	1060	820	619	438	292	194	130	90
-25.5	1086 *	949	780	610	471	345	245	170	118	83
-29.0	716	631	532	434	348	268	199	145	103	77
-33.0	455	407	348	294	248	200	158	120	88	69
-37.5	277	255	229	199	176	151	121	94	76	58
-42.5	177	165	153	137	124	107	88	74	62	47
-47.5	116	110	104	97	87	78	68	61	47	38
-55.0	63	61	59	56	53	48	42	36	30	25
-65.0	26	25	25	23	22	21	19	17	14	11
-75.0	6	6	6	6	6	5	4	4	3	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	0	0	0
75.0	2	1	0	0	0
65.0	7	3	1	0	0
55.0	16	8	2	0	0
47.5	24	12	3	0	0
42.5	30	14	4	0	0
37.5	37	17	5	0	0
33.0	43	20	6	0	0
29.0	49	22	7	0	0
25.5	54	23	7	0	0
22.5	59	25	8	0	0
19.5	62	26	8	0	0
17.0	64	27	8	0	0
15.0	66	28	8	0	0
13.0	67	29	9	0	0
11.0	68	30	9	0	0
9.0	70	30	9	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-MF-LED-49-HO-WW.IES

CANDELA TABULATION - (Cont.)

7.0	71	30	9	0	0
5.0	71	31	9	0	0
3.0	71	31	9	0	0
1.0	70	31	9	0	0
0.0	70	31	9	0	0
-1.0	70	31	9	0	0
-3.0	71	31	9	0	0
-5.0	71	31	9	0	0
-7.0	71	30	9	0	0
-9.0	70	30	9	0	0
-11.0	68	30	9	0	0
-13.0	67	29	9	0	0
-15.0	66	28	8	0	0
-17.0	64	27	8	0	0
-19.5	62	26	8	0	0
-22.5	59	25	8	0	0
-25.5	54	23	7	0	0
-29.0	49	22	7	0	0
-33.0	43	20	6	0	0
-37.5	37	17	5	0	0
-42.5	30	14	4	0	0
-47.5	24	12	3	0	0
-55.0	16	8	2	0	0
-65.0	7	3	1	0	0
-75.0	2	1	0	0	0
-85.0	0	0	0	0	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-MF-LED-49-HO-WW.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 1959.82

Total Field Lumens (one side of beam only) = 1652.2

* 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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
65	0.05	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.09	0.11
55	0.15	0.30	0.30	0.30	0.29	0.28	0.27	0.26	0.26	0.31
47.5	0.24	0.48	0.48	0.47	0.46	0.44	0.42	0.40	0.38	0.45
42.5	0.29	0.57	0.56	0.54	0.52	0.50	0.47	0.45	0.42	0.48
37.5	0.50	0.98	0.95	0.92	0.88	0.82	0.77	0.70	0.64	0.72
33	0.82	1.61	1.56	1.47	1.37	1.26	1.14	1.02	0.92	1.01
29	1.25	2.47	2.37	2.21	2.03	1.85	1.66	1.47	1.29	1.39
25.5	1.73 *	3.40 *	3.24 *	3.01 *	2.76 *	2.51 *	2.25 *	1.99	1.73	1.83
22.5	2.19 *	4.28 *	4.06 *	3.78 *	3.45 *	3.11 *	2.78 *	2.45 *	2.13 *	2.22
19.5	3.08 *	6.01 *	5.71 *	5.33 *	4.89 *	4.40 *	3.89 *	3.40 *	2.91 *	3.00 *
17	3.37 *	6.58 *	6.27 *	5.89 *	5.45 *	4.91 *	4.32 *	3.73 *	3.17 *	3.24 *
15	3.25 *	6.36 *	6.10 *	5.77 *	5.35 *	4.83 *	4.26 *	3.69 *	3.13 *	3.16 *
13	3.74 *	7.36 *	7.10 *	6.74 *	6.26 *	5.67 *	5.02 *	4.36 *	3.71 *	3.75 *
11	4.21 *	8.32 *	8.07 *	7.66 *	7.14 *	6.50 *	5.77 *	5.04 *	4.30 *	4.34 *
9	4.66 *	9.21 *	8.94 *	8.50 *	7.97 *	7.30 *	6.51 *	5.69 *	4.84 *	4.87 *
7	5.10 *	10.07 *	9.73 *	9.27 *	8.71 *	7.98 *	7.14 *	6.23 *	5.29 *	5.32 *
5	5.55 *	10.92 *	10.52 *	9.99 *	9.31 *	8.51 *	7.63 *	6.66 *	5.65 *	5.69 *
3	5.95 *	11.72 *	11.27 *	10.60 *	9.80 *	8.95 *	8.03 *	7.01 *	5.95 *	5.99 *
1	6.24 *	12.37 *	11.85 *	11.06 *	10.17 *	9.25 *	8.28 *	7.24 *	6.16 *	6.21 *
0	3.21 *	6.37 *	6.07 *	5.64 *	5.17 *	4.69 *	4.18 *	3.64 *	3.11 *	3.13 *
-1	3.21 *	6.37 *	6.07 *	5.64 *	5.17 *	4.69 *	4.18 *	3.64 *	3.11 *	3.13 *
	6.24 *	12.37 *	11.85 *	11.06 *	10.17 *	9.25 *	8.28 *	7.24 *	6.16 *	6.21 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-MF-LED-49-HO-WW.IES

LUMENS TABULATION - (Cont.)

-3	5.95 *	11.72 *	11.27 *	10.60 *	9.80 *	8.95 *	8.03 *	7.01 *	5.95 *	5.99 *
-5	5.55 *	10.92 *	10.52 *	9.99 *	9.31 *	8.51 *	7.63 *	6.66 *	5.65 *	5.69 *
-7	5.10 *	10.07 *	9.73 *	9.27 *	8.71 *	7.98 *	7.14 *	6.23 *	5.29 *	5.32 *
-9	4.66 *	9.21 *	8.94 *	8.50 *	7.97 *	7.30 *	6.51 *	5.69 *	4.84 *	4.87 *
-11	4.21 *	8.32 *	8.07 *	7.66 *	7.14 *	6.50 *	5.77 *	5.04 *	4.30 *	4.34 *
-13	3.74 *	7.36 *	7.10 *	6.74 *	6.26 *	5.67 *	5.02 *	4.36 *	3.71 *	3.75 *
-15	3.25 *	6.36 *	6.10 *	5.77 *	5.35 *	4.83 *	4.26 *	3.69 *	3.13 *	3.16 *
-17	3.37 *	6.58 *	6.27 *	5.89 *	5.45 *	4.91 *	4.32 *	3.73 *	3.17 *	3.24 *
-19.5	3.08 *	6.01 *	5.71 *	5.33 *	4.89 *	4.40 *	3.89 *	3.40 *	2.91 *	3.00 *
-22.5	2.19 *	4.28 *	4.06 *	3.78 *	3.45 *	3.11 *	2.78 *	2.45 *	2.13 *	2.22
-25.5	1.73 *	3.40 *	3.24 *	3.01 *	2.76 *	2.51 *	2.25 *	1.99	1.73	1.83
-29	1.25	2.47	2.37	2.21	2.03	1.85	1.66	1.47	1.29	1.39
-33	0.82	1.61	1.56	1.47	1.37	1.26	1.14	1.02	0.92	1.01
-37.5	0.50	0.98	0.95	0.92	0.88	0.82	0.77	0.70	0.64	0.72
-42.5	0.29	0.57	0.56	0.54	0.52	0.50	0.47	0.45	0.42	0.48
-47.5	0.24	0.48	0.48	0.47	0.46	0.44	0.42	0.40	0.38	0.45
-55	0.15	0.30	0.30	0.30	0.29	0.28	0.27	0.26	0.26	0.31
-65	0.05	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.09	0.11
-75	0.01	0.02	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	111.15	219.03	210.59	198.55	184.16	167.74	149.79	131.10	112.18	114.49

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	0.03	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.00
75	0.13	0.12	0.13	0.13	0.12	0.11	0.08	0.08	0.05	0.01
65	0.35	0.32	0.34	0.34	0.32	0.28	0.22	0.21	0.13	0.04
55	0.51	0.46	0.47	0.46	0.43	0.38	0.28	0.28	0.17	0.05

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-MF-LED-49-HO-WW.IES

LUMENS TABULATION - (Cont.)

47.5										
	0.52	0.46	0.47	0.45	0.41	0.36	0.26	0.25	0.15	0.04
42.5										
	0.77	0.66	0.66	0.61	0.53	0.45	0.33	0.31	0.19	0.05
37.5										
	1.03	0.86	0.83	0.74	0.62	0.50	0.35	0.33	0.20	0.06
33										
	1.37	1.11	1.01	0.86	0.70	0.53	0.36	0.34	0.20	0.06
29										
	1.76	1.36	1.19	0.97	0.74	0.55	0.36	0.33	0.20	0.05
25.5										
	2.09	1.58	1.33	1.03	0.76	0.54	0.34	0.31	0.18	0.05
22.5										
	2.80 *	2.07	1.71	1.27	0.88	0.60	0.37	0.33	0.20	0.05
19.5										
	2.98 *	2.18	1.77	1.28	0.85	0.56	0.33	0.29	0.17	0.04
17										
	2.87 *	2.07 *	1.66	1.18	0.77	0.49	0.28	0.24	0.14	0.04
15										
	3.36 *	2.39 *	1.89	1.32	0.84	0.52	0.30	0.25	0.14	0.04
13										
	3.86 *	2.70 *	2.09 *	1.44	0.91	0.56	0.31	0.26	0.15	0.04
11										
	4.31 *	2.97 *	2.26 *	1.55	0.98	0.59	0.32	0.27	0.15	0.04
9										
	4.69 *	3.20 *	2.41 *	1.65	1.04	0.61	0.33	0.27	0.15	0.04
7										
	5.01 *	3.41 *	2.55 *	1.73	1.09	0.63	0.34	0.28	0.15	0.04
5										
	5.30 *	3.59 *	2.65 *	1.80	1.12	0.64	0.34	0.28	0.16	0.04
3										
	5.48 *	3.71 *	2.74 *	1.86	1.15	0.65	0.34	0.28	0.15	0.04
1										
	2.76 *	1.88 *	1.40 *	0.95	0.59	0.32	0.17	0.14	0.08	0.02
0										
	2.76 *	1.88 *	1.40 *	0.95	0.59	0.32	0.17	0.14	0.08	0.02
-1										
	5.48 *	3.71 *	2.74 *	1.86	1.15	0.65	0.34	0.28	0.15	0.04
-3										
	5.30 *	3.59 *	2.65 *	1.80	1.12	0.64	0.34	0.28	0.16	0.04
-5										
	5.01 *	3.41 *	2.55 *	1.73	1.09	0.63	0.34	0.28	0.15	0.04
-7										
	4.69 *	3.20 *	2.41 *	1.65	1.04	0.61	0.33	0.27	0.15	0.04
-9										
	4.31 *	2.97 *	2.26 *	1.55	0.98	0.59	0.32	0.27	0.15	0.04
-11										
	3.86 *	2.70 *	2.09 *	1.44	0.91	0.56	0.31	0.26	0.15	0.04
-13										
	3.36 *	2.39 *	1.89	1.32	0.84	0.52	0.30	0.25	0.14	0.04
-15										
	2.87 *	2.07 *	1.66	1.18	0.77	0.49	0.28	0.24	0.14	0.04
-17										
	2.98 *	2.18	1.77	1.28	0.85	0.56	0.33	0.29	0.17	0.04
-19.5										
	2.80 *	2.07	1.71	1.27	0.88	0.60	0.37	0.33	0.20	0.05

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-MF-LED-49-HO-WW.IES

LUMENS TABULATION - (Cont.)

-22.5	2.09	1.58	1.33	1.03	0.76	0.54	0.34	0.31	0.18	0.05
-25.5	1.76	1.36	1.19	0.97	0.74	0.55	0.36	0.33	0.20	0.05
-29	1.37	1.11	1.01	0.86	0.70	0.53	0.36	0.34	0.20	0.06
-33	1.03	0.86	0.83	0.74	0.62	0.50	0.35	0.33	0.20	0.06
-37.5	0.77	0.66	0.66	0.61	0.53	0.45	0.33	0.31	0.19	0.05
-42.5	0.52	0.46	0.47	0.45	0.41	0.36	0.26	0.25	0.15	0.04
-47.5	0.51	0.46	0.47	0.46	0.43	0.38	0.28	0.28	0.17	0.05
-55	0.35	0.32	0.34	0.34	0.32	0.28	0.22	0.21	0.13	0.04
-65	0.13	0.12	0.13	0.13	0.12	0.11	0.08	0.08	0.05	0.01
-75	0.03	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.00
-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	103.92	74.24	59.18	43.32	29.73	19.75	12.10	10.65	6.26	1.70

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	0.38	
75	0.00	0.00	1.95	
65	0.00	0.00	5.27	
55	0.00	0.00	7.73	
47.5	0.00	0.00	8.17	
42.5	0.01	0.00	12.43	
37.5	0.01	0.00	17.68	
33	0.01	0.00	24.53	
29	0.01	0.00	31.96	
25.5	0.01	0.00	38.66	
22.5	0.01	0.00	52.91	
19.5	0.01	0.00	57.39	
17	0.00	0.00	55.65	

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-MF-LED-49-HO-WW.IES

LUMENS TABULATION - (Cont.)

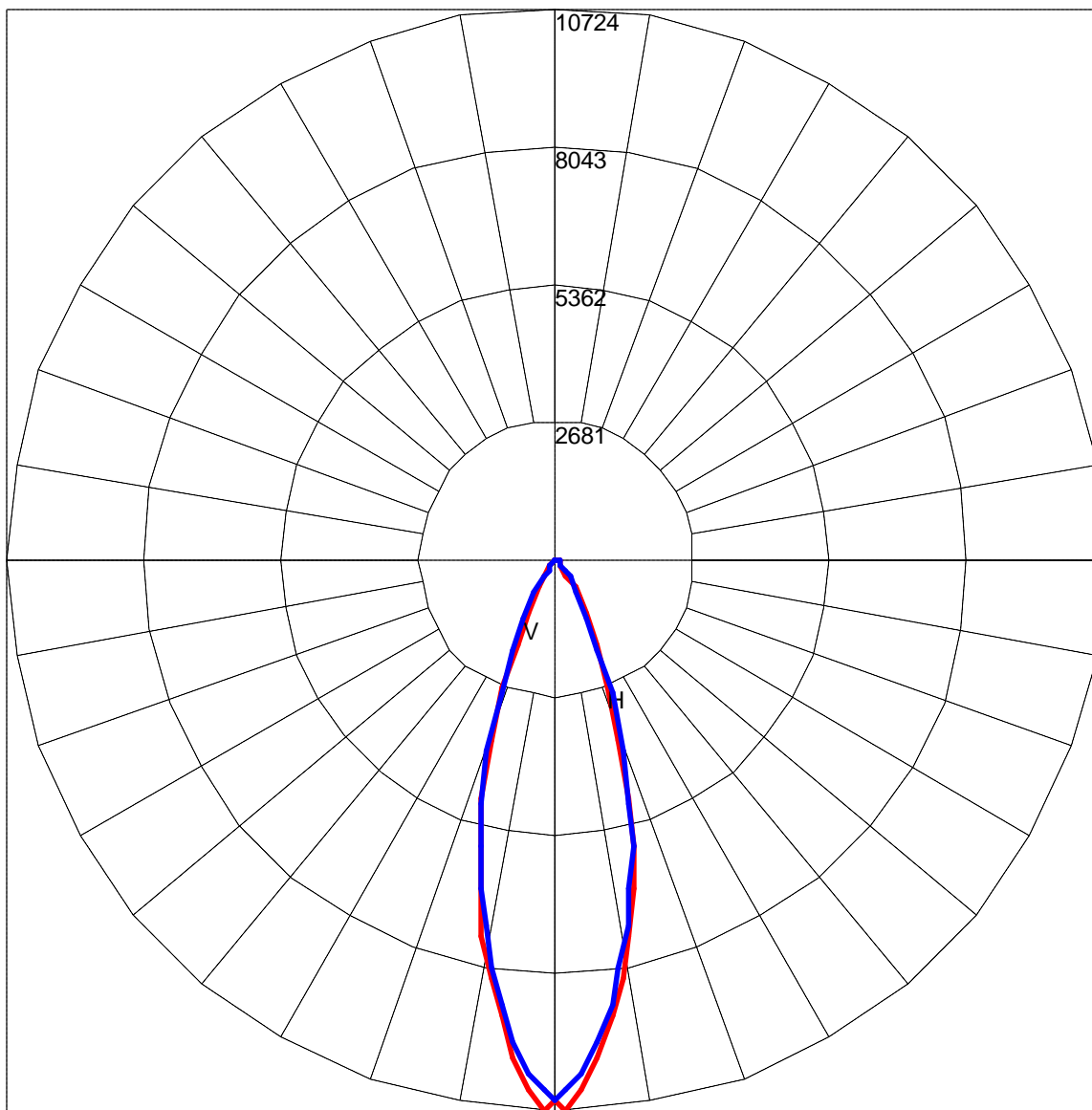
15	0.00	0.00	64.75
13	0.00	0.00	73.67
11	0.00	0.00	81.92
9	0.00	0.00	89.23
7	0.00	0.00	95.66
5	0.00	0.00	101.20
3	0.00	0.00	105.24
1	0.00	0.00	53.53
0	0.00	0.00	53.53
-1	0.00	0.00	105.24
-3	0.00	0.00	101.20
-5	0.00	0.00	95.66
-7	0.00	0.00	89.23
-9	0.00	0.00	81.92
-11	0.00	0.00	73.67
-13	0.00	0.00	64.75
-15	0.00	0.00	55.65
-17	0.01	0.00	57.39
-19.5	0.01	0.00	52.91
-22.5	0.01	0.00	38.66
-25.5	0.01	0.00	31.96
-29	0.01	0.00	24.53
-33	0.01	0.00	17.68
-37.5	0.01	0.00	12.43
-42.5	0.00	0.00	8.17
-47.5	0.00	0.00	7.73
-55	0.00	0.00	5.27
-65	0.00	0.00	1.95

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-MF-LED-49-HO-WW.IES

LUMENS TABULATION - (Cont.)

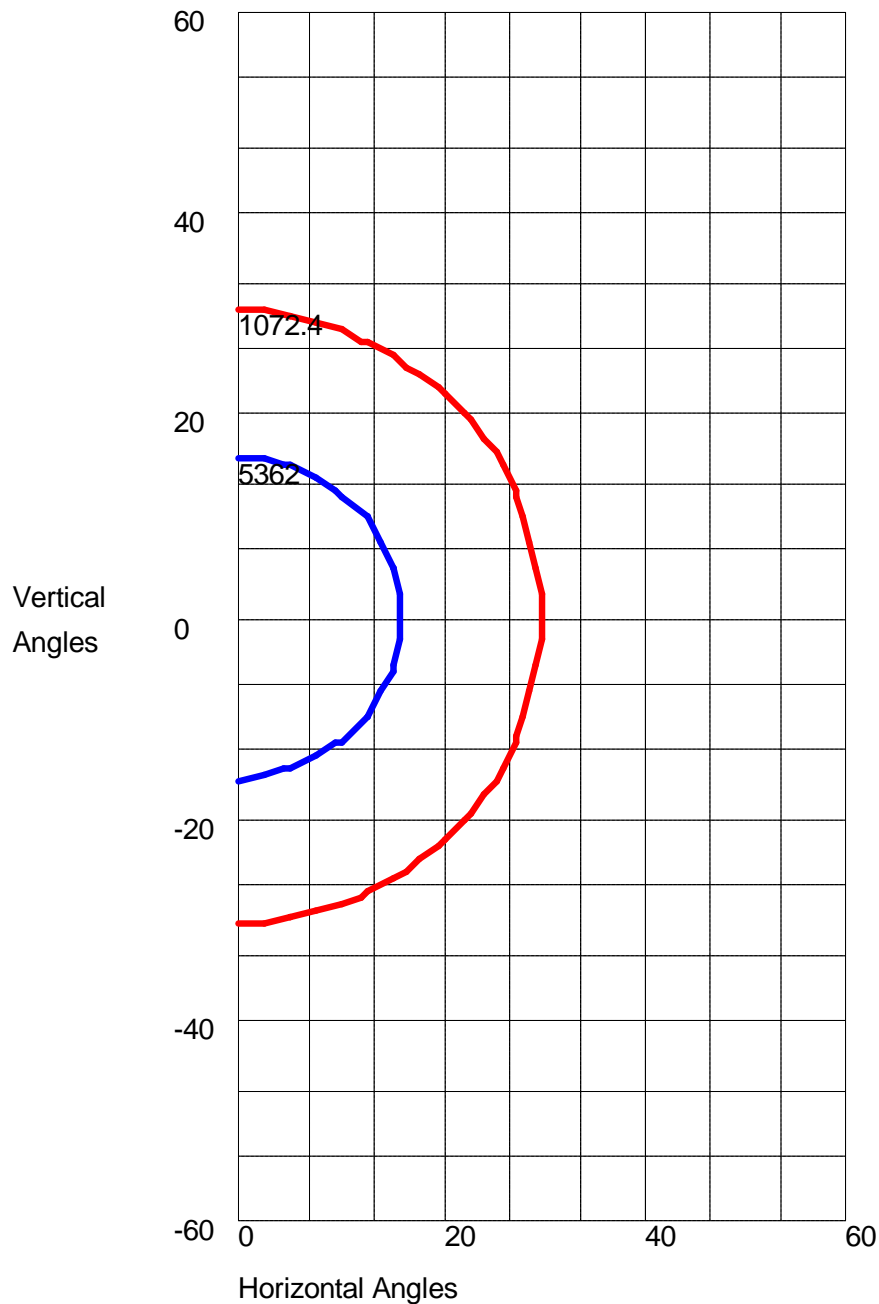
-75	0.00	0.00	0.38
-85	0.00	0.00	0.00
-90			
Total	0.20	0.00	1959.82

AXIAL CANDELA DISPLAY



Maximum Candela = 10724 Located At Horizontal Angle = -1, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 10724 Located At Horizontal Angle = -1, Vertical Angle = 0
50% Maximum Candela = 5362
10% Maximum Candela = 1072.4