



IES FLOOD REPORT

PHOTOMETRIC FILENAME : XFLM-WF-LED-49-HO-NW.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]LED-5164

[TESTLAB]LSI INDUSTRIES, INC

[ISSUE DATE]02/18/14

[MANUFACT]LSI INDUSTRIES, INC

[LUMCAT]XFLM-WF-LED-49-HO-NW

[_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER]TEST PROCEDURE: IESNA LM-79-08

[_ABSOLUTE LUMENS]5270

[_SEARCH_SOURCE TYPE] LED

[_SEARCH_APPLICATION] Outdoor

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

CHARACTERISTICS

NEMA Type	5 H x 5 V
Maximum Candela	9403
Maximum Candela Angle	-3H 0V
Horizontal Beam Angle (50%)	43.4
Vertical Beam Angle (50%)	42.7
Horizontal Field Angle (10%)	71.7
Vertical Field Angle (10%)	71.4
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	3030
Beam Efficiency	N.A.
Field Lumens	4692
Field Efficiency	N.A.
Spill Lumens	592
Luminaire Lumens	5283
Total Efficiency	N.A.
Total Luminaire Watts	64.3
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	0	85	0
75	5	75	3
65	32	65	31
55	95	55	95
47.5	215	47.5	218
42.5	377	42.5	388
37.5	709	37.5	720
33	1331	33	1332
29	2223	29	2251
25.5	3303	25.5	3349
22.5	4411	22.5	4431
19.5	5520	19.5	5481
17	6305	17	6208
15	6807	15	6659
13	7206	13	6997
11	7589	11	7341
9	8022	9	7741
7	8525	7	8217
5	9069	5	8764
3	9403	3	9118
1	9401	1	9288
0	9343	0	9343
-1	9401	-1	9288
-3	9403	-3	9118
-5	9069	-5	8764
-7	8525	-7	8217
-9	8022	-9	7741
-11	7589	-11	7341
-13	7206	-13	6997
-15	6807	-15	6659
-17	6305	-17	6208
-19.5	5520	-19.5	5481
-22.5	4411	-22.5	4431
-25.5	3303	-25.5	3349
-29	2223	-29	2251
-33	1331	-33	1332
-37.5	709	-37.5	720
-42.5	377	-42.5	388
-47.5	215	-47.5	218
-55	95	-55	95
-65	32	-65	31
-75	5	-75	3
-85	0	-85	0
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 9403

Beam Edge = 4701.5 Cd (50% of Max.)

Field Edge = 940.3 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	0	0	0	0	0	0	0	0
75.0	0	0	0	0	0	0	0	0	0	1
65.0	0	0	0	0	3	8	12	15	18	21
55.0	0	0	0	3	15	26	33	41	50	57
47.5	0	0	0	9	27	43	57	74	88	106
42.5	0	0	0	13	36	57	78	100	131	171
37.5	0	0	0	16	45	75	103	148	206	264
33.0	0	0	0	20	52	93	134	207	288	375
29.0	0	0	1	23	59	110	172	266	377	522
25.5	0	0	2	25	66	124	208	325	481	686
22.5	0	0	3	27	72	143	238	378	587	870
19.5	0	0	3	28	78	161	268	442	702	1081 *
17.0	0	0	4	29	82	175	290	492	817	1287 *
15.0	0	0	4	30	86	185	309	528	908	1449 *
13.0	0	0	4	31	88	194	327	574	987 *	1632 *
11.0	0	0	4	31	90	201	342	613	1077 *	1784 *
9.0	0	0	5	32	92	207	355	646	1161 *	1912 *
7.0	0	0	5	32	94	211	365	672	1229 *	2028 *
5.0	0	0	5	32	94	214	372	692	1280 *	2126 *
3.0	0	0	5	32	95	216	379	704	1313 *	2190 *
1.0	0	0	5	32	95	215	378	710	1329 *	2221 *
0.0	0	0	5	32	95	215	377	709	1331 *	2223 *
-1.0	0	0	5	32	95	215	378	710	1329 *	2221 *
-3.0	0	0	5	32	95	216	379	704	1313 *	2190 *
-5.0	0	0	5	32	94	214	372	692	1280 *	2126 *
-7.0	0	0	5	32	94	211	365	672	1229 *	2028 *
-9.0	0	0	5	32	92	207	355	646	1161 *	1912 *
-11.0	0	0	4	31	90	201	342	613	1077 *	1784 *
-13.0	0	0	4	31	88	194	327	574	987 *	1632 *
-15.0	0	0	4	30	86	185	309	528	908	1449 *
-17.0	0	0	4	29	82	175	290	492	817	1287 *
-19.5	0	0	3	28	78	161	268	442	702	1081 *
-22.5	0	0	3	27	72	143	238	378	587	870
-25.5	0	0	2	25	66	124	208	325	481	686
-29.0	0	0	1	23	59	110	172	266	377	522
-33.0	0	0	0	20	52	93	134	207	288	375
-37.5	0	0	0	16	45	75	103	148	206	264
-42.5	0	0	0	13	36	57	78	100	131	171
-47.5	0	0	0	9	27	43	57	74	88	106
-55.0	0	0	0	3	15	26	33	41	50	57
-65.0	0	0	0	0	3	8	12	15	18	21
-75.0	0	0	0	0	0	0	0	0	0	1
-85.0	0	0	0	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	1	2	2	2	2	3	3	3	3	3
65.0	23	25	27	28	29	30	30	31	31	31
55.0	64	69	74	80	83	87	89	91	93	94
47.5	122	142	158	171	182	191	199	205	210	214
42.5	204	232	261	282	300	319	336	351	364	374
37.5	319	366	426	475	511	557	599	635	665	689
33.0	475	576	682	789	872	947 *	1036 *	1123 *	1196 *	1255 *
29.0	681	856	1052 *	1238 *	1382 *	1547 *	1694 *	1836 *	1971 *	2091 *
25.5	930	1201 *	1525 *	1815 *	2059 *	2291 *	2492 *	2715 *	2927 *	3102 *
22.5	1217 *	1601 *	2049 *	2448 *	2781 *	3102 *	3378 *	3637 *	3912 *	4134 *
19.5	1560 *	2073 *	2655 *	3214 *	3636 *	4036 *	4385 *	4677 *	4943 *	5190 *
17.0	1872 *	2498 *	3243 *	3894 *	4395 *	4828 *	5216 *	5507 *	5733 *	5969 *
15.0	2138 *	2861 *	3702 *	4431 *	4961 *	5433 *	5798 *	6108 *	6294 *	6464 *
13.0	2397 *	3220 *	4151 *	4912 *	5477 *	5945 *	6310 *	6571 *	6764 *	6864 *
11.0	2626 *	3544 *	4558 *	5357 *	5894 *	6358 *	6718 *	6948 *	7101 *	7212 *
9.0	2846 *	3848 *	4909 *	5704 *	6260 *	6673 *	7001 *	7243 *	7415 *	7548 *
7.0	3031 *	4082 *	5177 *	5984 *	6504 *	6925 *	7222 *	7482 *	7705 *	7931 *
5.0	3170 *	4256 *	5371 *	6173 *	6673 *	7080 *	7410 *	7699 *	8022 *	8326 *
3.0	3260 *	4366 *	5481 *	6277 *	6774 *	7167 *	7526 *	7891 *	8296 *	8738 *
1.0	3301 *	4420 *	5523 *	6310 *	6820 *	7207 *	7583 *	8001 *	8483 *	9038 *
0.0	3303 *	4411 *	5520 *	6305 *	6807 *	7206 *	7589 *	8022 *	8525 *	9069 *
-1.0	3301 *	4420 *	5523 *	6310 *	6820 *	7207 *	7583 *	8001 *	8483 *	9038 *
-3.0	3260 *	4366 *	5481 *	6277 *	6774 *	7167 *	7526 *	7891 *	8296 *	8738 *
-5.0	3170 *	4256 *	5371 *	6173 *	6673 *	7080 *	7410 *	7699 *	8022 *	8326 *
-7.0	3031 *	4082 *	5177 *	5984 *	6504 *	6925 *	7222 *	7482 *	7705 *	7931 *
-9.0	2846 *	3848 *	4909 *	5704 *	6260 *	6673 *	7001 *	7243 *	7415 *	7548 *
-11.0	2626 *	3544 *	4558 *	5357 *	5894 *	6358 *	6718 *	6948 *	7101 *	7212 *
-13.0	2397 *	3220 *	4151 *	4912 *	5477 *	5945 *	6310 *	6571 *	6764 *	6864 *
-15.0	2138 *	2861 *	3702 *	4431 *	4961 *	5433 *	5798 *	6108 *	6294 *	6464 *
-17.0	1872 *	2498 *	3243 *	3894 *	4395 *	4828 *	5216 *	5507 *	5733 *	5969 *
-19.5	1560 *	2073 *	2655 *	3214 *	3636 *	4036 *	4385 *	4677 *	4943 *	5190 *
-22.5	1217 *	1601 *	2049 *	2448 *	2781 *	3102 *	3378 *	3637 *	3912 *	4134 *
-25.5	930	1201 *	1525 *	1815 *	2059 *	2291 *	2492 *	2715 *	2927 *	3102 *
-29.0	681	856	1052 *	1238 *	1382 *	1547 *	1694 *	1836 *	1971 *	2091 *
-33.0	475	576	682	789	872	947 *	1036 *	1123 *	1196 *	1255 *
-37.5	319	366	426	475	511	557	599	635	665	689
-42.5	204	232	261	282	300	319	336	351	364	374
-47.5	122	142	158	171	182	191	199	205	210	214
-55.0	64	69	74	80	83	87	89	91	93	94
-65.0	23	25	27	28	29	30	30	31	31	31
-75.0	1	2	2	2	2	3	3	3	3	3
-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	3	3	3	3	3	3	3	3	3	3
65.0	31	31	31	31	31	31	31	31	30	30

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CANDELA TABULATION - (Cont.)

55.0	95	95	95	95	95	94	93	91	89	87
47.5	218	218	218	218	218	214	210	205	199	191
42.5	385	387	388	387	385	374	364	351	336	319
37.5	707	718	720	718	707	689	665	635	599	557
33.0	1298 *	1325 *	1332 *	1325 *	1298 *	1255 *	1196 *	1123 *	1036 *	947 *
29.0	2179 *	2235 *	2251 *	2235 *	2179 *	2091 *	1971 *	1836 *	1694 *	1547 *
25.5	3236 *	3324 *	3349 *	3324 *	3236 *	3102 *	2927 *	2715 *	2492 *	2291 *
22.5	4298 *	4409 *	4431 *	4409 *	4298 *	4134 *	3912 *	3637 *	3378 *	3102 *
19.5	5356 *	5455 *	5481 *	5455 *	5356 *	5190 *	4943 *	4677 *	4385 *	4036 *
17.0	6117 *	6192 *	6208 *	6192 *	6117 *	5969 *	5733 *	5507 *	5216 *	4828 *
15.0	6593 *	6661 *	6659 *	6661 *	6593 *	6464 *	6294 *	6108 *	5798 *	5433 *
13.0	6958 *	6997 *	6997 *	6997 *	6958 *	6864 *	6764 *	6571 *	6310 *	5945 *
11.0	7302 *	7344 *	7341 *	7344 *	7302 *	7212 *	7101 *	6948 *	6718 *	6358 *
9.0	7667 *	7740 *	7741 *	7740 *	7667 *	7548 *	7415 *	7243 *	7001 *	6673 *
7.0	8084 *	8206 *	8217 *	8206 *	8084 *	7931 *	7705 *	7482 *	7222 *	6925 *
5.0	8601 *	8776 *	8764 *	8776 *	8601 *	8326 *	8022 *	7699 *	7410 *	7080 *
3.0	9029 *	9113 *	9118 *	9113 *	9029 *	8738 *	8296 *	7891 *	7526 *	7167 *
1.0	9338 *	9338 *	9288 *	9338 *	9338 *	9038 *	8483 *	8001 *	7583 *	7207 *
0.0	9403 *	9401 *	9343 *	9401 *	9403 *	9069 *	8525 *	8022 *	7589 *	7206 *
-1.0	9338 *	9338 *	9288 *	9338 *	9338 *	9038 *	8483 *	8001 *	7583 *	7207 *
-3.0	9029 *	9113 *	9118 *	9113 *	9029 *	8738 *	8296 *	7891 *	7526 *	7167 *
-5.0	8601 *	8776 *	8764 *	8776 *	8601 *	8326 *	8022 *	7699 *	7410 *	7080 *
-7.0	8084 *	8206 *	8217 *	8206 *	8084 *	7931 *	7705 *	7482 *	7222 *	6925 *
-9.0	7667 *	7740 *	7741 *	7740 *	7667 *	7548 *	7415 *	7243 *	7001 *	6673 *
-11.0	7302 *	7344 *	7341 *	7344 *	7302 *	7212 *	7101 *	6948 *	6718 *	6358 *
-13.0	6958 *	6997 *	6997 *	6997 *	6958 *	6864 *	6764 *	6571 *	6310 *	5945 *
-15.0	6593 *	6661 *	6659 *	6661 *	6593 *	6464 *	6294 *	6108 *	5798 *	5433 *
-17.0	6117 *	6192 *	6208 *	6192 *	6117 *	5969 *	5733 *	5507 *	5216 *	4828 *
-19.5	5356 *	5455 *	5481 *	5455 *	5356 *	5190 *	4943 *	4677 *	4385 *	4036 *
-22.5	4298 *	4409 *	4431 *	4409 *	4298 *	4134 *	3912 *	3637 *	3378 *	3102 *
-25.5	3236 *	3324 *	3349 *	3324 *	3236 *	3102 *	2927 *	2715 *	2492 *	2291 *
-29.0	2179 *	2235 *	2251 *	2235 *	2179 *	2091 *	1971 *	1836 *	1694 *	1547 *
-33.0	1298 *	1325 *	1332 *	1325 *	1298 *	1255 *	1196 *	1123 *	1036 *	947 *
-37.5	707	718	720	718	707	689	665	635	599	557
-42.5	385	387	388	387	385	374	364	351	336	319
-47.5	218	218	218	218	218	214	210	205	199	191
-55.0	95	95	95	95	95	94	93	91	89	87
-65.0	31	31	31	31	31	31	31	31	30	30
-75.0	3	3	3	3	3	3	3	3	3	3
-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	2	2	2	2	1	1	0	0	0	0
65.0	29	28	27	25	23	21	18	15	12	8
55.0	83	80	74	69	64	57	50	41	33	26
47.5	182	171	158	142	122	106	88	74	57	43
42.5	300	282	261	232	204	171	131	100	78	57
37.5	511	475	426	366	319	264	206	148	103	75
33.0	872	789	682	576	475	375	288	207	134	93
29.0	1382 *	1238 *	1052 *	856	681	522	377	266	172	110
25.5	2059 *	1815 *	1525 *	1201 *	930	686	481	325	208	124

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CANDELA TABULATION - (Cont.)

22.5	2781 *	2448 *	2049 *	1601 *	1217 *	870	587	378	238	143
19.5	3636 *	3214 *	2655 *	2073 *	1560 *	1081 *	702	442	268	161
17.0	4395 *	3894 *	3243 *	2498 *	1872 *	1287 *	817	492	290	175
15.0	4961 *	4431 *	3702 *	2861 *	2138 *	1449 *	908	528	309	185
13.0	5477 *	4912 *	4151 *	3220 *	2397 *	1632 *	987 *	574	327	194
11.0	5894 *	5357 *	4558 *	3544 *	2626 *	1784 *	1077 *	613	342	201
9.0	6260 *	5704 *	4909 *	3848 *	2846 *	1912 *	1161 *	646	355	207
7.0	6504 *	5984 *	5177 *	4082 *	3031 *	2028 *	1229 *	672	365	211
5.0	6673 *	6173 *	5371 *	4256 *	3170 *	2126 *	1280 *	692	372	214
3.0	6774 *	6277 *	5481 *	4366 *	3260 *	2190 *	1313 *	704	379	216
1.0	6820 *	6310 *	5523 *	4420 *	3301 *	2221 *	1329 *	710	378	215
0.0	6807 *	6305 *	5520 *	4411 *	3303 *	2223 *	1331 *	709	377	215
-1.0	6820 *	6310 *	5523 *	4420 *	3301 *	2221 *	1329 *	710	378	215
-3.0	6774 *	6277 *	5481 *	4366 *	3260 *	2190 *	1313 *	704	379	216
-5.0	6673 *	6173 *	5371 *	4256 *	3170 *	2126 *	1280 *	692	372	214
-7.0	6504 *	5984 *	5177 *	4082 *	3031 *	2028 *	1229 *	672	365	211
-9.0	6260 *	5704 *	4909 *	3848 *	2846 *	1912 *	1161 *	646	355	207
-11.0	5894 *	5357 *	4558 *	3544 *	2626 *	1784 *	1077 *	613	342	201
-13.0	5477 *	4912 *	4151 *	3220 *	2397 *	1632 *	987 *	574	327	194
-15.0	4961 *	4431 *	3702 *	2861 *	2138 *	1449 *	908	528	309	185
-17.0	4395 *	3894 *	3243 *	2498 *	1872 *	1287 *	817	492	290	175
-19.5	3636 *	3214 *	2655 *	2073 *	1560 *	1081 *	702	442	268	161
-22.5	2781 *	2448 *	2049 *	1601 *	1217 *	870	587	378	238	143
-25.5	2059 *	1815 *	1525 *	1201 *	930	686	481	325	208	124
-29.0	1382 *	1238 *	1052 *	856	681	522	377	266	172	110
-33.0	872	789	682	576	475	375	288	207	134	93
-37.5	511	475	426	366	319	264	206	148	103	75
-42.5	300	282	261	232	204	171	131	100	78	57
-47.5	182	171	158	142	122	106	88	74	57	43
-55.0	83	80	74	69	64	57	50	41	33	26
-65.0	29	28	27	25	23	21	18	15	12	8
-75.0	2	2	2	2	1	1	0	0	0	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	3	0	0	0	0
55.0	15	3	0	0	0
47.5	27	9	0	0	0
42.5	36	13	0	0	0
37.5	45	16	0	0	0
33.0	52	20	0	0	0
29.0	59	23	1	0	0
25.5	66	25	2	0	0
22.5	72	27	3	0	0
19.5	78	28	3	0	0
17.0	82	29	4	0	0
15.0	86	30	4	0	0
13.0	88	31	4	0	0
11.0	90	31	4	0	0
9.0	92	32	5	0	0

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PHOTOMETRIC FILENAME : XFLM-WF-LED-49-HO-NW.IES

CANDELA TABULATION - (Cont.)

7.0	94	32	5	0	0
5.0	94	32	5	0	0
3.0	95	32	5	0	0
1.0	95	32	5	0	0
0.0	95	32	5	0	0
-1.0	95	32	5	0	0
-3.0	95	32	5	0	0
-5.0	94	32	5	0	0
-7.0	94	32	5	0	0
-9.0	92	32	5	0	0
-11.0	90	31	4	0	0
-13.0	88	31	4	0	0
-15.0	86	30	4	0	0
-17.0	82	29	4	0	0
-19.5	78	28	3	0	0
-22.5	72	27	3	0	0
-25.5	66	25	2	0	0
-29.0	59	23	1	0	0
-33.0	52	20	0	0	0
-37.5	45	16	0	0	0
-42.5	36	13	0	0	0
-47.5	27	9	0	0	0
-55.0	15	3	0	0	0
-65.0	3	0	0	0	0
-75.0	0	0	0	0	0
-85.0	0	0	0	0	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-WF-LED-49-HO-NW.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 2641.74

Total Field Lumens (one side of beam only) = 2345.81

* 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	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
65	0.05	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.11
55	0.19	0.38	0.38	0.38	0.37	0.36	0.35	0.34	0.32	0.38
47.5	0.36	0.71	0.71	0.69	0.68	0.66	0.63	0.60	0.57	0.65
42.5	0.46	0.92	0.90	0.88	0.85	0.82	0.78	0.73	0.68	0.79
37.5	0.84	1.67	1.64	1.58	1.52	1.44	1.35	1.25	1.15	1.31
33	1.40 *	2.77 *	2.70 *	2.59 *	2.46	2.29	2.10	1.92	1.74	1.93
29	2.18 *	4.28 *	4.15 *	3.95 *	3.70 *	3.41 *	3.11 *	2.81 *	2.51 *	2.72
25.5	2.97 *	5.85 *	5.64 *	5.35 *	4.99 *	4.59 *	4.18 *	3.76 *	3.33 *	3.56 *
22.5	3.54 *	6.97 *	6.73 *	6.40 *	5.97 *	5.50 *	5.03 *	4.54 *	4.00 *	4.25 *
19.5	4.52 *	8.91 *	8.65 *	8.26 *	7.77 *	7.23 *	6.66 *	6.01 *	5.31 *	5.62 *
17	4.44 *	8.80 *	8.60 *	8.27 *	7.87 *	7.42 *	6.88 *	6.24 *	5.54 *	5.88 *
15	3.92 *	7.78 *	7.64 *	7.41 *	7.13 *	6.79 *	6.34 *	5.80 *	5.18 *	5.52 *
13	4.16 *	8.28 *	8.17 *	7.99 *	7.76 *	7.44 *	7.00 *	6.45 *	5.79 *	6.22 *
11	4.37 *	8.71 *	8.61 *	8.46 *	8.26 *	7.96 *	7.55 *	7.00 *	6.34 *	6.86 *
9	4.59 *	9.15 *	9.03 *	8.87 *	8.66 *	8.37 *	7.97 *	7.44 *	6.80 *	7.42 *
7	4.86 *	9.65 *	9.49 *	9.27 *	9.00 *	8.68 *	8.29 *	7.79 *	7.16 *	7.87 *
5	5.17 *	10.25 *	10.01 *	9.69 *	9.32 *	8.94 *	8.53 *	8.03 *	7.42 *	8.21 *
3	5.45 *	10.81 *	10.54 *	10.11 *	9.62 *	9.16 *	8.69 *	8.19 *	7.58 *	8.43 *
1	5.61 *	11.21 *	10.98 *	10.47 *	9.85 *	9.30 *	8.78 *	8.27 *	7.67 *	8.53 *
0	2.85 *	5.70 *	5.60 *	5.32 *	4.98 *	4.68 *	4.41 *	4.14 *	3.84 *	4.28 *
-1	2.85 *	5.70 *	5.60 *	5.32 *	4.98 *	4.68 *	4.41 *	4.14 *	3.84 *	4.28 *
	5.61 *	11.21 *	10.98 *	10.47 *	9.85 *	9.30 *	8.78 *	8.27 *	7.67 *	8.53 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	5.45 *	10.81 *	10.54 *	10.11 *	9.62 *	9.16 *	8.69 *	8.19 *	7.58 *	8.43 *
-5	5.17 *	10.25 *	10.01 *	9.69 *	9.32 *	8.94 *	8.53 *	8.03 *	7.42 *	8.21 *
-7	4.86 *	9.65 *	9.49 *	9.27 *	9.00 *	8.68 *	8.29 *	7.79 *	7.16 *	7.87 *
-9	4.59 *	9.15 *	9.03 *	8.87 *	8.66 *	8.37 *	7.97 *	7.44 *	6.80 *	7.42 *
-11	4.37 *	8.71 *	8.61 *	8.46 *	8.26 *	7.96 *	7.55 *	7.00 *	6.34 *	6.86 *
-13	4.16 *	8.28 *	8.17 *	7.99 *	7.76 *	7.44 *	7.00 *	6.45 *	5.79 *	6.22 *
-15	3.92 *	7.78 *	7.64 *	7.41 *	7.13 *	6.79 *	6.34 *	5.80 *	5.18 *	5.52 *
-17	4.44 *	8.80 *	8.60 *	8.27 *	7.87 *	7.42 *	6.88 *	6.24 *	5.54 *	5.88 *
-19.5	4.52 *	8.91 *	8.65 *	8.26 *	7.77 *	7.23 *	6.66 *	6.01 *	5.31 *	5.62 *
-22.5	3.54 *	6.97 *	6.73 *	6.40 *	5.97 *	5.50 *	5.03 *	4.54 *	4.00 *	4.25 *
-25.5	2.97 *	5.85 *	5.64 *	5.35 *	4.99 *	4.59 *	4.18 *	3.76 *	3.33 *	3.56 *
-29	2.18 *	4.28 *	4.15 *	3.95 *	3.70 *	3.41 *	3.11 *	2.81 *	2.51 *	2.72
-33	1.40 *	2.77 *	2.70 *	2.59 *	2.46	2.29	2.10	1.92	1.74	1.93
-37.5	0.84	1.67	1.64	1.58	1.52	1.44	1.35	1.25	1.15	1.31
-42.5	0.46	0.92	0.90	0.88	0.85	0.82	0.78	0.73	0.68	0.79
-47.5	0.36	0.71	0.71	0.69	0.68	0.66	0.63	0.60	0.57	0.65
-55	0.19	0.38	0.38	0.38	0.37	0.36	0.35	0.34	0.32	0.38
-65	0.05	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.11
-75	0.00	0.01	0.01	0.01	0.01	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	123.89	245.86	240.56	232.11	221.75	210.30	197.50	182.81	166.02	181.09

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	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.12	0.11	0.11	0.10	0.09	0.08	0.05	0.04	0.01	0.00
65	0.42	0.38	0.39	0.38	0.35	0.29	0.21	0.19	0.08	0.01
55	0.71	0.62	0.62	0.59	0.53	0.45	0.32	0.30	0.15	0.02

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5										
	0.85	0.73	0.71	0.65	0.55	0.45	0.32	0.29	0.16	0.03
42.5										
	1.37	1.17	1.13	1.01	0.82	0.63	0.42	0.38	0.21	0.04
37.5										
	1.97	1.63	1.53	1.33	1.07	0.78	0.49	0.43	0.23	0.04
33										
	2.70	2.16	1.95	1.63	1.27	0.91	0.55	0.45	0.23	0.05
29										
	3.46 *	2.68	2.34	1.89	1.42	0.99	0.58	0.45	0.23	0.05
25.5										
	4.08 *	3.10 *	2.63	2.06	1.49	1.01	0.58	0.43	0.22	0.04
22.5										
	5.36 *	4.04 *	3.36 *	2.54	1.77	1.16	0.65	0.49	0.23	0.05
19.5										
	5.58 *	4.18 *	3.44 *	2.54 *	1.72	1.09	0.60	0.44	0.21	0.04
17										
	5.25 *	3.91 *	3.20 *	2.33 *	1.54	0.94	0.52	0.38	0.17	0.03
15										
	5.94 *	4.43 *	3.61 *	2.60 *	1.68	1.01	0.55	0.40	0.18	0.04
13										
	6.60 *	4.92 *	4.00 *	2.86 *	1.82	1.08	0.57	0.41	0.18	0.04
11										
	7.19 *	5.37 *	4.34 *	3.10 *	1.96	1.14	0.59	0.42	0.19	0.04
9										
	7.68 *	5.76 *	4.65 *	3.30 *	2.07	1.19	0.61	0.43	0.19	0.04
7										
	8.06 *	6.07 *	4.91 *	3.48 *	2.17 *	1.23	0.63	0.44	0.19	0.04
5										
	8.31 *	6.28 *	5.09 *	3.61 *	2.23 *	1.25	0.64	0.44	0.19	0.04
3										
	8.44 *	6.41 *	5.20 *	3.68 *	2.27 *	1.27	0.64	0.44	0.19	0.04
1										
	4.24 *	3.22 *	2.62 *	1.85 *	1.14 *	0.63	0.32	0.22	0.10	0.02
0										
	4.24 *	3.22 *	2.62 *	1.85 *	1.14 *	0.63	0.32	0.22	0.10	0.02
-1										
	8.44 *	6.41 *	5.20 *	3.68 *	2.27 *	1.27	0.64	0.44	0.19	0.04
-3										
	8.31 *	6.28 *	5.09 *	3.61 *	2.23 *	1.25	0.64	0.44	0.19	0.04
-5										
	8.06 *	6.07 *	4.91 *	3.48 *	2.17 *	1.23	0.63	0.44	0.19	0.04
-7										
	7.68 *	5.76 *	4.65 *	3.30 *	2.07	1.19	0.61	0.43	0.19	0.04
-9										
	7.19 *	5.37 *	4.34 *	3.10 *	1.96	1.14	0.59	0.42	0.19	0.04
-11										
	6.60 *	4.92 *	4.00 *	2.86 *	1.82	1.08	0.57	0.41	0.18	0.04
-13										
	5.94 *	4.43 *	3.61 *	2.60 *	1.68	1.01	0.55	0.40	0.18	0.04
-15										
	5.25 *	3.91 *	3.20 *	2.33 *	1.54	0.94	0.52	0.38	0.17	0.03
-17										
	5.58 *	4.18 *	3.44 *	2.54 *	1.72	1.09	0.60	0.44	0.21	0.04
-19.5										
	5.36 *	4.04 *	3.36 *	2.54	1.77	1.16	0.65	0.49	0.23	0.05

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	4.08 *	3.10 *	2.63	2.06	1.49	1.01	0.58	0.43	0.22	0.04
-25.5	3.46 *	2.68	2.34	1.89	1.42	0.99	0.58	0.45	0.23	0.05
-29	2.70	2.16	1.95	1.63	1.27	0.91	0.55	0.45	0.23	0.05
-33	1.97	1.63	1.53	1.33	1.07	0.78	0.49	0.43	0.23	0.04
-37.5	1.37	1.17	1.13	1.01	0.82	0.63	0.42	0.38	0.21	0.04
-42.5	0.85	0.73	0.71	0.65	0.55	0.45	0.32	0.29	0.16	0.03
-47.5	0.71	0.62	0.62	0.59	0.53	0.45	0.32	0.30	0.15	0.02
-55	0.42	0.38	0.39	0.38	0.35	0.29	0.21	0.19	0.08	0.01
-65	0.12	0.11	0.11	0.10	0.09	0.08	0.05	0.04	0.01	0.00
-75	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	176.65	134.33	111.66	83.05	55.89	35.15	19.67	14.92	7.10	1.37

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	0.10	
75	0.00	0.00	1.67	
65	0.00	0.00	6.15	
55	0.00	0.00	10.58	
47.5	0.00	0.00	12.56	
42.5	0.00	0.00	20.92	
37.5	0.00	0.00	31.40	
33	0.00	0.00	44.71	
29	0.00	0.00	58.30	
25.5	0.00	0.00	68.56	
22.5	0.00	0.00	88.59	
19.5	0.00	0.00	89.75	
17	0.00	0.00	81.77	

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

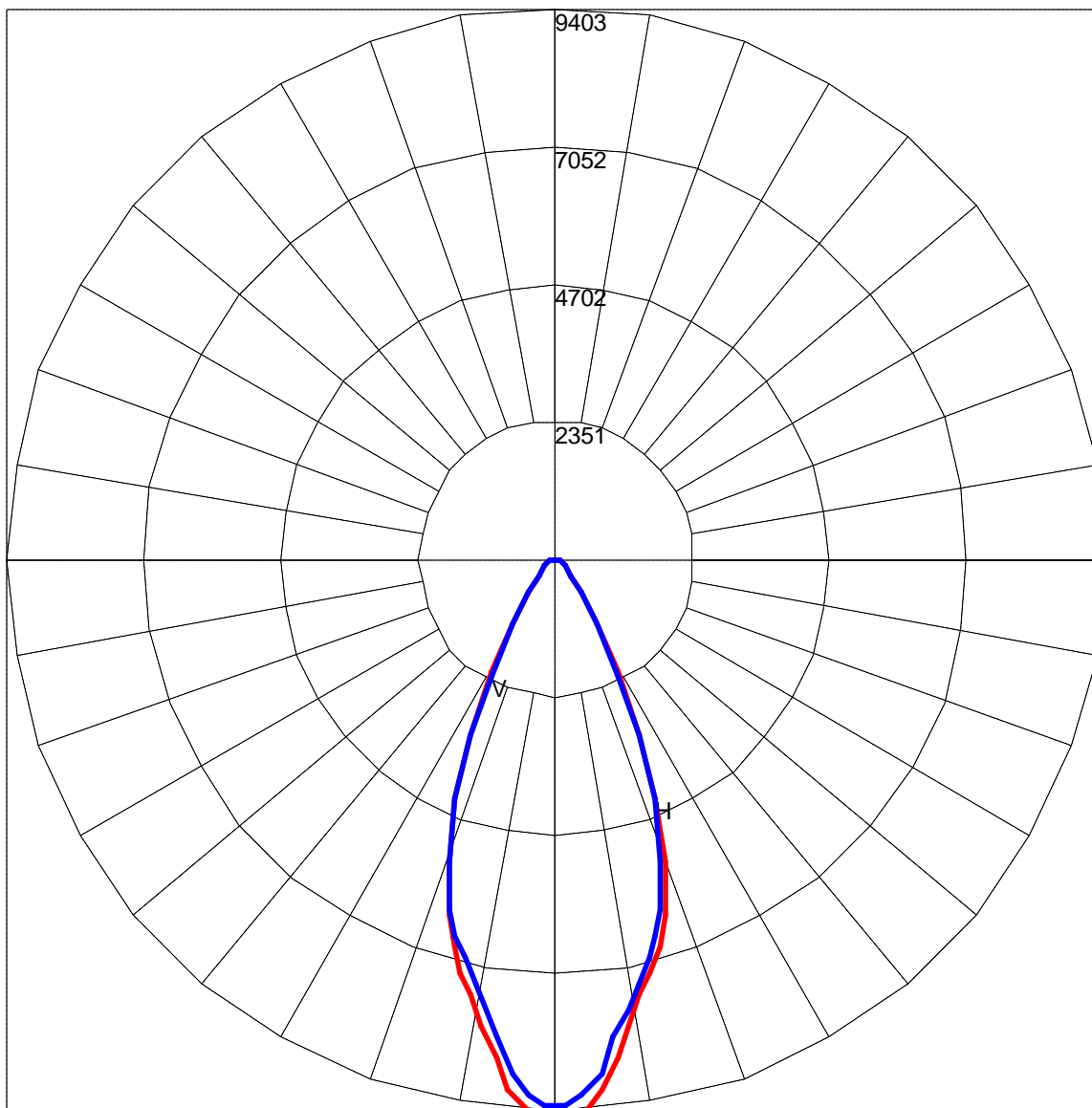
15	0.00	0.00	89.69
13	0.00	0.00	96.60
11	0.00	0.00	102.65
9	0.00	0.00	108.01
7	0.00	0.00	112.78
5	0.00	0.00	116.67
3	0.00	0.00	119.25
1	0.00	0.00	60.16
0	0.00	0.00	60.16
-1	0.00	0.00	119.25
-3	0.00	0.00	116.67
-5	0.00	0.00	112.78
-7	0.00	0.00	108.01
-9	0.00	0.00	102.65
-11	0.00	0.00	96.60
-13	0.00	0.00	89.69
-15	0.00	0.00	81.77
-17	0.00	0.00	89.75
-19.5	0.00	0.00	88.59
-22.5	0.00	0.00	68.56
-25.5	0.00	0.00	58.30
-29	0.00	0.00	44.71
-33	0.00	0.00	31.40
-37.5	0.00	0.00	20.92
-42.5	0.00	0.00	12.56
-47.5	0.00	0.00	10.58
-55	0.00	0.00	6.15
-65	0.00	0.00	1.67

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XFLM-WF-LED-49-HO-NW.IES

LUMENS TABULATION - (Cont.)

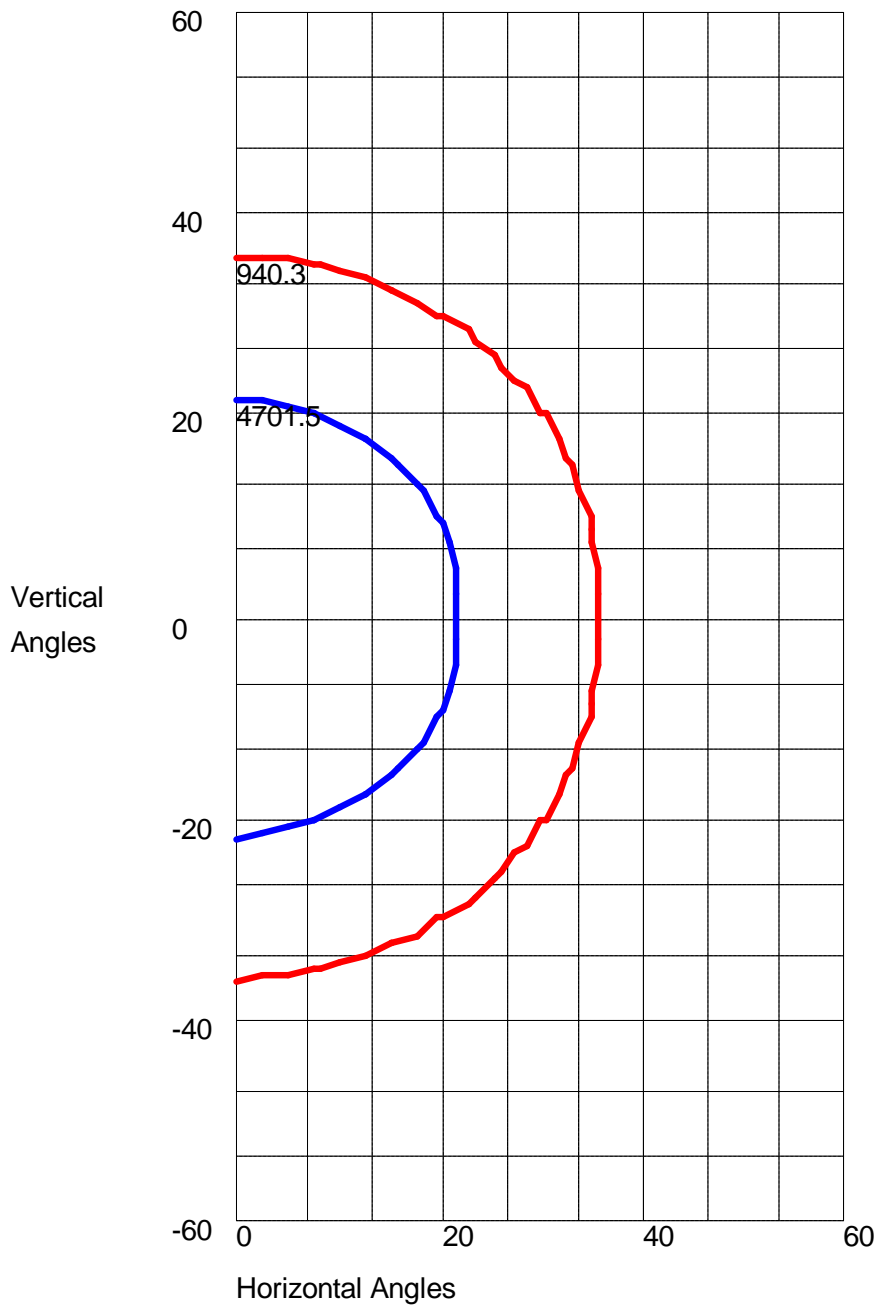
-75	0.00	0.00	0.10
-85	0.00	0.00	0.00
-90			
Total	0.06	0.00	2641.74

AXIAL CANDELA DISPLAY



Maximum Candela = 9403 Located At Horizontal Angle = -3, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 9403 Located At Horizontal Angle = -3, Vertical Angle = 0
50% Maximum Candela = 4701.5
10% Maximum Candela = 940.3