



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-40-80-HGS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-12597

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUEDATE] 04/01/21

[TESTDATE] 03/12/21

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] PFL-LED-12L-PC-NF-40-80-HGS

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

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

[OTHER] SCALED FROM ORIGINAL TEST DATA

[SEARCH_SOURCETYPE] LED

[SEARCH_APPLICATION] Outdoor

[SEARCH_COLORTEMP] 4000

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

CHARACTERISTICS

NEMA Type	3 H x 3 V
Maximum Candela	52162
Maximum Candela Angle	-1H 0V
Horizontal Beam Angle (50%)	22.9
Vertical Beam Angle (50%)	22.3
Horizontal Field Angle (10%)	44.6
Vertical Field Angle (10%)	45.4
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	4565
Beam Efficiency	N.A.
Field Lumens	9183
Field Efficiency	N.A.
Spill Lumens	2337
Luminaire Lumens	11520
Total Efficiency	N.A.
Total Luminaire Watts	102
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	2	85	3
75	13	75	1
65	88	65	1
55	224	55	4
47.5	359	47.5	126
42.5	457	42.5	302
37.5	650	37.5	460
33	1069	33	943
29	1910	29	1879
25.5	3190	25.5	3392
22.5	5022	22.5	5651
19.5	8242	19.5	9661
17	11997	17	13504
15	15984	15	17691
13	21265	13	22893
11	27450	11	28986
9	34255	9	35538
7	41192	7	42077
5	47575	5	48084
3	51470	3	51557
1	52162	1	52154
0	51974	0	51974
-1	52162	-1	51624
-3	51470	-3	49899
-5	47575	-5	45097
-7	41192	-7	38189
-9	34255	-9	31311
-11	27450	-11	24911
-13	21265	-13	19295
-15	15984	-15	14629
-17	11997	-17	11107
-19.5	8242	-19.5	7932
-22.5	5022	-22.5	5046
-25.5	3190	-25.5	3236
-29	1910	-29	1983
-33	1069	-33	1243
-37.5	650	-37.5	768
-42.5	457	-42.5	749
-47.5	359	-47.5	609
-55	224	-55	418
-65	88	-65	217
-75	13	-75	75
-85	2	-85	13
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 52162

Beam Edge = 26081 Cd (50% of Max.)

Field Edge = 5216.2 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	1	2	3	4	4	4	4
75.0	0	1	0	0	1	1	1	1	1	1
65.0	0	1	1	0	1	1	1	1	0	1
55.0	0	1	1	2	4	4	6	5	7	4
47.5	0	1	2	4	9	25	38	51	64	76
42.5	0	1	3	7	24	57	79	102	129	155
37.5	0	1	4	10	48	90	118	152	183	215
33.0	0	1	5	16	73	121	160	191	244	295
29.0	0	1	5	24	97	157	206	258	323	427
25.5	0	1	6	33	118	193	252	323	417	563
22.5	0	2	6	40	137	225	291	382	512	742
19.5	0	2	7	47	154	257	328	442	606	929
17.0	0	2	8	53	167	282	358	479	700	1099
15.0	0	2	8	58	177	295	382	504	765	1228
13.0	0	2	9	62	186	306	400	539	813	1353
11.0	0	2	10	66	194	316	414	568	869	1463
9.0	0	2	10	71	202	325	425	590	921	1557
7.0	0	2	11	75	209	333	433	610	971	1637
5.0	0	2	12	79	214	341	439	625	1015	1748
3.0	0	2	12	83	219	350	449	636	1047	1824
1.0	0	2	13	86	222	356	454	647	1065	1889
0.0	0	2	13	88	224	359	457	650	1069	1910
-1.0	0	2	13	90	226	362	461	655	1081	1916
-3.0	0	2	14	93	230	367	468	659	1095	1901
-5.0	0	2	15	95	232	369	472	665	1098	1865
-7.0	0	2	15	97	234	371	479	669	1088	1790
-9.0	0	2	16	99	236	373	484	668	1061	1701
-11.0	0	2	16	100	237	373	486	663	1013	1603
-13.0	0	2	17	100	237	373	485	652	954	1485
-15.0	0	2	17	100	236	371	481	634	909	1346
-17.0	0	2	17	99	234	369	476	624	862	1244
-19.5	0	2	17	98	231	364	470	611	797	1101
-22.5	0	2	17	96	226	355	459	586	731	956
-25.5	0	2	17	94	220	343	444	556	674	819
-29.0	0	2	16	90	210	325	423	524	618	719
-33.0	0	2	15	85	196	301	391	487	574	646
-37.5	0	2	14	78	179	276	352	435	515	581
-42.5	0	2	12	69	161	242	308	374	439	502
-47.5	0	2	10	58	139	207	260	319	368	418
-55.0	0	1	8	41	103	152	185	223	253	278
-65.0	0	1	5	17	57	87	107	126	145	158
-75.0	0	1	4	7	17	27	36	41	45	50
-85.0	0	0	2	5	7	8	9	11	12	13
-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	5	5	4	4	4	4	4	3	3	3
75.0	1	1	1	1	1	1	1	1	1	1
65.0	1	1	1	1	1	1	1	1	1	1
55.0	7	6	5	5	5	4	4	4	4	4
47.5	86	97	107	113	117	120	121	124	125	124
42.5	183	201	221	240	249	259	269	278	287	294
37.5	254	286	326	356	375	400	420	435	448	457
33.0	371	436	506	583	640	689	756	827	885	923
29.0	539	686	843	986	1104	1274	1430	1550	1664	1770
25.5	786	1038	1322	1611	1913	2205	2446	2777	3058	3259
22.5	1060	1430	1916	2453	2957	3473	3982	4545	4955	5266 *
19.5	1379	1924	2713	3587	4371	5318 *	6157 *	7194 *	8044 *	8699 *
17.0	1644	2423	3499	4712	5769 *	7088 *	8370 *	9955 *	11287 *	12297 *
15.0	1897	2833	4164	5618 *	7053 *	8595 *	10554 *	12367 *	14357 *	15889 *
13.0	2143	3243	4878	6774 *	8440 *	10547 *	12934 *	15449 *	17853 *	20205 *
11.0	2347	3606	5513 *	7808 *	10111 *	12680 *	15686 *	18914 *	22081 *	25169 *
9.0	2589	4038	6286 *	8979 *	11508 *	14961 *	18728 *	22554 *	26879 *	30641 *
7.0	2786	4375	6905 *	9954 *	13106 *	16901 *	21655 *	26683 *	31798 *	36273 *
5.0	2952	4619	7322 *	10650 *	14341 *	18889 *	24288 *	30180 *	36065 *	41423 *
3.0	3084	4843	7870 *	11366 *	15229 *	20141 *	26187 *	32862 *	39641 *	45255 *
1.0	3169	4997	8217 *	11978 *	16059 *	21271 *	27450 *	34222 *	41129 *	47973 *
0.0	3190	5022	8242 *	11997 *	15984 *	21265 *	27450 *	34255 *	41192 *	47575 *
-1.0	3186	5026	8124 *	11789 *	15720 *	20706 *	26880 *	33737 *	40643 *	47241 *
-3.0	3144	4941	7818 *	11272 *	15204 *	20041 *	25728 *	31821 *	38167 *	43721 *
-5.0	3072	4792	7390 *	10546 *	14267 *	18474 *	23150 *	28506 *	34048 *	38548 *
-7.0	2939	4551	6984 *	9896 *	12938 *	16324 *	20372 *	24747 *	28744 *	33252 *
-9.0	2737	4240	6443 *	8899 *	11271 *	14249 *	17378 *	20533 *	24342 *	27486 *
-11.0	2463	3821	5635 *	7671 *	9795 *	11940 *	14322 *	17136 *	19826 *	22098 *
-13.0	2249	3376	4869	6559 *	8077 *	9811 *	11753 *	13896 *	15682 *	17335 *
-15.0	2026	2921	4140	5373 *	6679 *	7979 *	9537 *	10859 *	12316 *	13323 *
-17.0	1797	2518	3494	4520	5419 *	6538 *	7529 *	8634 *	9518 *	10113 *
-19.5	1566	2077	2776	3504	4172	4944	5618 *	6339 *	6868 *	7248 *
-22.5	1256	1618	2075	2508	2928	3338	3699	4160	4495	4727
-25.5	999	1235	1521	1759	2018	2264	2455	2710	2915	3061
-29.0	823	953	1107	1257	1375	1522	1646	1747	1846	1934
-33.0	708	776	846	916	976	1030	1092	1151	1196	1226
-37.5	623	655	686	699	707	737	756	765	772	773
-42.5	548	591	629	658	673	690	708	721	732	742
-47.5	460	495	532	555	569	582	593	600	604	606
-55.0	308	328	349	368	383	395	403	409	414	418
-65.0	171	180	190	198	204	210	213	215	217	218
-75.0	55	59	63	66	68	70	72	74	75	77
-85.0	13	13	13	13	13	13	13	13	13	13
-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	3	3	3	3	3	3	3	3	4	4
75.0	1	1	1	1	1	1	1	1	1	1
65.0	1	1	1	1	1	1	1	1	1	1

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CANDELA TABULATION - (Cont.)

55.0	4	4	4	4	4	4	4	4	4	4
47.5	125	126	126	126	125	124	125	124	121	120
42.5	303	302	302	302	303	294	287	278	269	259
37.5	462	462	460	462	462	457	448	435	420	400
33.0	944	947	943	947	944	923	885	827	756	689
29.0	1840	1876	1879	1876	1840	1770	1664	1550	1430	1274
25.5	3371	3402	3392	3402	3371	3259	3058	2777	2446	2205
22.5	5517 *	5660 *	5651 *	5660 *	5517 *	5266 *	4955	4545	3982	3473
19.5	9120 *	9451 *	9661 *	9451 *	9120 *	8699 *	8044 *	7194 *	6157 *	5318 *
17.0	13038 *	13413 *	13504 *	13413 *	13038 *	12297 *	11287 *	9955 *	8370 *	7088 *
15.0	16841 *	17321 *	17691 *	17321 *	16841 *	15889 *	14357 *	12367 *	10554 *	8595 *
13.0	21728 *	22256 *	22893 *	22256 *	21728 *	20205 *	17853 *	15449 *	12934 *	10547 *
11.0	27392 *	28351 *	28986 *	28351 *	27392 *	25169 *	22081 *	18914 *	15686 *	12680 *
9.0	33453 *	34952 *	35538 *	34952 *	33453 *	30641 *	26879 *	22554 *	18728 *	14961 *
7.0	39708 *	41493 *	42077 *	41493 *	39708 *	36273 *	31798 *	26683 *	21655 *	16901 *
5.0	45225 *	47832 *	48084 *	47832 *	45225 *	41423 *	36065 *	30180 *	24288 *	18889 *
3.0	49152 *	50992 *	51557 *	50992 *	49152 *	45255 *	39641 *	32862 *	26187 *	20141 *
1.0	51478 *	52120 *	52154 *	52120 *	51478 *	47973 *	41129 *	34222 *	27450 *	21271 *
0.0	51470 *	52162 *	51974 *	52162 *	51470 *	47575 *	41192 *	34255 *	27450 *	21265 *
-1.0	50728 *	51621 *	51624 *	51621 *	50728 *	47241 *	40643 *	33737 *	26880 *	20706 *
-3.0	47502 *	49651 *	49899 *	49651 *	47502 *	43721 *	38167 *	31821 *	25728 *	20041 *
-5.0	42588 *	45140 *	45097 *	45140 *	42588 *	38548 *	34048 *	28506 *	23150 *	18474 *
-7.0	36329 *	37979 *	38189 *	37979 *	36329 *	33252 *	28744 *	24747 *	20372 *	16324 *
-9.0	29857 *	31177 *	31311 *	31177 *	29857 *	27486 *	24342 *	20533 *	17378 *	14249 *
-11.0	23717 *	24824 *	24911 *	24824 *	23717 *	22098 *	19826 *	17136 *	14322 *	11940 *
-13.0	18394 *	19219 *	19295 *	19219 *	18394 *	17335 *	15682 *	13896 *	11753 *	9811 *
-15.0	14052 *	14610 *	14629 *	14610 *	14052 *	13323 *	12316 *	10859 *	9537 *	7979 *
-17.0	10692 *	11061 *	11107 *	11061 *	10692 *	10113 *	9518 *	8634 *	7529 *	6538 *
-19.5	7697 *	7923 *	7932 *	7923 *	7697 *	7248 *	6868 *	6339 *	5618 *	4944
-22.5	4883	5007	5046	5007	4883	4727	4495	4160	3699	3338
-25.5	3146	3211	3236	3211	3146	3061	2915	2710	2455	2264
-29.0	1988	1995	1983	1995	1988	1934	1846	1747	1646	1522
-33.0	1243	1246	1243	1246	1243	1226	1196	1151	1092	1030
-37.5	770	769	768	769	770	773	772	765	756	737
-42.5	753	750	749	750	753	742	732	721	708	690
-47.5	608	609	609	609	608	606	604	600	593	582
-55.0	421	419	418	419	421	418	414	409	403	395
-65.0	218	217	217	217	218	218	217	215	213	210
-75.0	76	75	75	75	76	77	75	74	72	70
-85.0	13	13	13	13	13	13	13	13	13	13
-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	4	4	4	5	5	4	4	4	4	3
75.0	1	1	1	1	1	1	1	1	1	1
65.0	1	1	1	1	1	1	0	1	1	1
55.0	5	5	5	6	7	4	7	5	6	4
47.5	117	113	107	97	86	76	64	51	38	25
42.5	249	240	221	201	183	155	129	102	79	57
37.5	375	356	326	286	254	215	183	152	118	90
33.0	640	583	506	436	371	295	244	191	160	121
29.0	1104	986	843	686	539	427	323	258	206	157
25.5	1913	1611	1322	1038	786	563	417	323	252	193

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CANDELA TABULATION - (Cont.)

22.5	2957	2453	1916	1430	1060	742	512	382	291	225
19.5	4371	3587	2713	1924	1379	929	606	442	328	257
17.0	5769 *	4712	3499	2423	1644	1099	700	479	358	282
15.0	7053 *	5618 *	4164	2833	1897	1228	765	504	382	295
13.0	8440 *	6774 *	4878	3243	2143	1353	813	539	400	306
11.0	10111 *	7808 *	5513 *	3606	2347	1463	869	568	414	316
9.0	11508 *	8979 *	6286 *	4038	2589	1557	921	590	425	325
7.0	13106 *	9954 *	6905 *	4375	2786	1637	971	610	433	333
5.0	14341 *	10650 *	7322 *	4619	2952	1748	1015	625	439	341
3.0	15229 *	11366 *	7870 *	4843	3084	1824	1047	636	449	350
1.0	16059 *	11978 *	8217 *	4997	3169	1889	1065	647	454	356
0.0	15984 *	11997 *	8242 *	5022	3190	1910	1069	650	457	359
-1.0	15720 *	11789 *	8124 *	5026	3186	1916	1081	655	461	362
-3.0	15204 *	11272 *	7818 *	4941	3144	1901	1095	659	468	367
-5.0	14267 *	10546 *	7390 *	4792	3072	1865	1098	665	472	369
-7.0	12938 *	9896 *	6984 *	4551	2939	1790	1088	669	479	371
-9.0	11271 *	8899 *	6443 *	4240	2737	1701	1061	668	484	373
-11.0	9795 *	7671 *	5635 *	3821	2463	1603	1013	663	486	373
-13.0	8077 *	6559 *	4869	3376	2249	1485	954	652	485	373
-15.0	6679 *	5373 *	4140	2921	2026	1346	909	634	481	371
-17.0	5419 *	4520	3494	2518	1797	1244	862	624	476	369
-19.5	4172	3504	2776	2077	1566	1101	797	611	470	364
-22.5	2928	2508	2075	1618	1256	956	731	586	459	355
-25.5	2018	1759	1521	1235	999	819	674	556	444	343
-29.0	1375	1257	1107	953	823	719	618	524	423	325
-33.0	976	916	846	776	708	646	574	487	391	301
-37.5	707	699	686	655	623	581	515	435	352	276
-42.5	673	658	629	591	548	502	439	374	308	242
-47.5	569	555	532	495	460	418	368	319	260	207
-55.0	383	368	349	328	308	278	253	223	185	152
-65.0	204	198	190	180	171	158	145	126	107	87
-75.0	68	66	63	59	55	50	45	41	36	27
-85.0	13	13	13	13	13	13	12	11	9	8
-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	2	1	0	0	0
75.0	1	0	0	1	0
65.0	1	0	1	1	0
55.0	4	2	1	1	0
47.5	9	4	2	1	0
42.5	24	7	3	1	0
37.5	48	10	4	1	0
33.0	73	16	5	1	0
29.0	97	24	5	1	0
25.5	118	33	6	1	0
22.5	137	40	6	2	0
19.5	154	47	7	2	0
17.0	167	53	8	2	0
15.0	177	58	8	2	0
13.0	186	62	9	2	0
11.0	194	66	10	2	0
9.0	202	71	10	2	0

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CANDELA TABULATION - (Cont.)

7.0	209	75	11	2	0
5.0	214	79	12	2	0
3.0	219	83	12	2	0
1.0	222	86	13	2	0
0.0	224	88	13	2	0
-1.0	226	90	13	2	0
-3.0	230	93	14	2	0
-5.0	232	95	15	2	0
-7.0	234	97	15	2	0
-9.0	236	99	16	2	0
-11.0	237	100	16	2	0
-13.0	237	100	17	2	0
-15.0	236	100	17	2	0
-17.0	234	99	17	2	0
-19.5	231	98	17	2	0
-22.5	226	96	17	2	0
-25.5	220	94	17	2	0
-29.0	210	90	16	2	0
-33.0	196	85	15	2	0
-37.5	179	78	14	2	0
-42.5	161	69	12	2	0
-47.5	139	58	10	2	0
-55.0	103	41	8	1	0
-65.0	57	17	5	1	0
-75.0	17	7	4	1	0
-85.0	7	5	2	0	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-40-80-HGS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 5760.1

Total Field Lumens (one side of beam only) = 4591.7

* 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	0.01	0.01	0.01	0.01
75	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
65	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
55	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.02
47.5	0.15	0.30	0.29	0.29	0.29	0.28	0.28	0.27	0.26	0.31
42.5	0.33	0.65	0.64	0.63	0.61	0.59	0.57	0.55	0.53	0.62
37.5	0.58	1.16	1.15	1.13	1.09	1.05	1.00	0.95	0.89	1.03
33	0.96	1.93	1.90	1.85	1.76	1.65	1.52	1.40	1.29	1.44
29	1.72	3.41	3.33	3.18	2.97	2.74	2.47	2.19	1.94	2.11
25.5	2.81	5.59	5.45	5.17	4.78	4.31	3.83	3.36	2.88	3.01
22.5	4.14	8.20	7.94	7.51	6.94	6.19	5.41	4.68	3.92	3.96
19.5	6.95 *	13.58 *	13.04 *	12.25 *	11.19 *	9.84 *	8.46	7.15	5.87	5.79
17	8.76 *	17.13 *	16.39 *	15.27 *	13.75 *	11.88 *	10.03 *	8.33 *	6.75	6.56
15	9.43 *	18.45 *	17.64 *	16.31 *	14.47 *	12.37 *	10.31 *	8.42 *	6.78 *	6.51
13	12.21 *	23.79 *	22.69 *	20.69 *	18.11 *	15.39 *	12.70 *	10.24 *	8.16 *	7.75 *
11	15.61 *	30.36 *	28.71 *	25.84 *	22.41 *	18.89 *	15.45 *	12.35 *	9.70 *	9.03 *
9	19.47 *	37.79 *	35.45 *	31.74 *	27.28 *	22.76 *	18.49 *	14.56 *	11.25 *	10.34 *
7	23.46 *	45.54 *	42.56 *	38.05 *	32.55 *	26.88 *	21.53 *	16.69 *	12.75 *	11.62 *
5	27.34 *	53.05 *	49.42 *	44.09 *	37.62 *	30.84 *	24.35 *	18.69 *	14.07 *	12.59 *
3	30.23 *	58.81 *	55.02 *	49.19 *	41.85 *	34.05 *	26.67 *	20.28 *	15.10 *	13.45 *
1	31.50 *	62.02 *	58.91 *	52.71 *	44.60 *	36.21 *	28.32 *	21.49 *	16.00 *	14.26 *
0	15.87 *	31.54 *	30.16 *	26.94 *	22.74 *	18.50 *	14.52 *	11.02 *	8.20 *	7.31 *
-1	15.79 *	31.35 *	29.93 *	26.76 *	22.60 *	18.35 *	14.35 *	10.89 *	8.12 *	7.26 *
	30.89 *	60.73 *	57.49 *	51.43 *	43.55 *	35.45 *	27.81 *	21.18 *	15.81 *	14.10 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

-3	28.90 *	56.28 *	52.37 *	46.80 *	39.98 *	32.76 *	26.04 *	20.09 *	15.02 *	13.39 *
-5	25.34 *	49.33 *	45.80 *	40.77 *	35.00 *	29.03 *	23.34 *	18.33 *	13.95 *	12.59 *
-7	21.12 *	41.20 *	38.57 *	34.48 *	29.67 *	24.91 *	20.36 *	16.19 *	12.59 *	11.65 *
-9	17.09 *	33.36 *	31.35 *	28.40 *	24.69 *	20.81 *	17.25 *	13.97 *	11.02 *	10.36 *
-11	13.44 *	26.23 *	24.78 *	22.70 *	20.07 *	17.13 *	14.25 *	11.71 *	9.40 *	8.94 *
-13	10.32 *	20.18 *	19.17 *	17.77 *	15.91 *	13.81 *	11.64 *	9.62 *	7.81 *	7.57 *
-15	7.83 *	15.35 *	14.64 *	13.71 *	12.47 *	10.97 *	9.41 *	7.87 *	6.44 *	6.34
-17	7.24 *	14.22 *	13.58 *	12.78 *	11.82 *	10.54 *	9.17 *	7.79 *	6.45	6.46
-19.5	5.92 *	11.65 *	11.19 *	10.60 *	9.89 *	8.92	7.87	6.82	5.76	5.89
-22.5	3.77	7.42	7.21	6.91	6.46	5.86	5.25	4.68	4.05	4.26
-25.5	2.78	5.51	5.39	5.17	4.87	4.49	4.11	3.71	3.28	3.57
-29	1.97	3.94	3.88	3.76	3.58	3.38	3.15	2.90	2.65	2.98
-33	1.38	2.76	2.74	2.70	2.64	2.54	2.42	2.29	2.17	2.56
-37.5	1.16	2.32	2.31	2.29	2.25	2.21	2.15	2.07	2.00	2.42
-42.5	1.03	2.07	2.06	2.03	2.00	1.97	1.92	1.86	1.80	2.15
-47.5	1.17	2.35	2.34	2.32	2.29	2.26	2.20	2.14	2.06	2.45
-55	0.97	1.94	1.94	1.92	1.89	1.86	1.82	1.76	1.69	2.00
-65	0.44	0.89	0.89	0.89	0.88	0.86	0.84	0.82	0.78	0.93
-75	0.13	0.27	0.27	0.27	0.26	0.26	0.25	0.24	0.23	0.28
-85	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
-90										
Total	410.23	802.70	758.63	687.36	597.85	502.85	411.58	329.59	259.49	245.92

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
85	0.02	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.02	0.00
75	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
65	0.03	0.03	0.03	0.03	0.04	0.04	0.03	0.04	0.03	0.01
55	0.34	0.31	0.31	0.30	0.27	0.22	0.15	0.11	0.05	0.02

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

47.5										
	0.67	0.59	0.59	0.55	0.48	0.39	0.27	0.21	0.08	0.02
42.5	1.10	0.96	0.96	0.89	0.79	0.66	0.46	0.39	0.17	0.03
37.5	1.49	1.26	1.21	1.10	0.97	0.81	0.59	0.53	0.25	0.04
33	2.11	1.70	1.55	1.35	1.14	0.95	0.69	0.64	0.32	0.05
29	2.90	2.23	1.92	1.58	1.29	1.06	0.76	0.71	0.36	0.06
25.5	3.65	2.70	2.24	1.75	1.37	1.09	0.78	0.72	0.37	0.07
22.5	5.11	3.63	2.92	2.18	1.63	1.26	0.89	0.83	0.43	0.08
19.5	5.63	3.85	2.99	2.18	1.56	1.17	0.82	0.77	0.40	0.07
17	5.51	3.67	2.78	1.98	1.37	1.00	0.71	0.66	0.35	0.07
15	6.45	4.22	3.14	2.17	1.47	1.06	0.74	0.69	0.37	0.07
13	7.35	4.73	3.46	2.35	1.56	1.12	0.77	0.72	0.39	0.08
11	8.29	5.25	3.77	2.51	1.65	1.16	0.80	0.74	0.41	0.08
9	9.21 *	5.75	4.06	2.66	1.73	1.20	0.82	0.76	0.42	0.09
7	9.90 *	6.15	4.32	2.80	1.80	1.23	0.83	0.78	0.44	0.09
5	10.52 *	6.47	4.55	2.94	1.86	1.25	0.85	0.80	0.45	0.10
3	11.06 *	6.72	4.72	3.04	1.90	1.27	0.87	0.82	0.46	0.10
1	5.65 *	3.42	2.41	1.55	0.96	0.64	0.44	0.41	0.24	0.05
0	5.63 *	3.43	2.42	1.56	0.97	0.65	0.44	0.42	0.24	0.05
-1	11.05 *	6.80	4.81	3.13	1.95	1.31	0.89	0.85	0.49	0.11
-3	10.64 *	6.66	4.73	3.11	1.97	1.32	0.90	0.86	0.49	0.11
-5	10.12 *	6.41	4.58	3.05	1.97	1.33	0.91	0.86	0.50	0.12
-7	9.48 *	6.04	4.34	2.94	1.95	1.34	0.92	0.87	0.51	0.12
-9	8.59	5.53	4.03	2.81	1.91	1.34	0.92	0.87	0.51	0.12
-11	7.55	4.97	3.70	2.64	1.84	1.33	0.92	0.87	0.51	0.12
-13	6.53	4.41	3.37	2.45	1.76	1.31	0.92	0.87	0.51	0.12
-15	5.58	3.87	3.04	2.28	1.69	1.29	0.91	0.86	0.51	0.12
-17	5.79	4.15	3.38	2.61	2.02	1.59	1.13	1.07	0.63	0.15
-19.5	5.47	4.08	3.47	2.81	2.29	1.86	1.33	1.26	0.74	0.18

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

-22.5	4.13	3.20	2.86	2.49	2.14	1.79	1.29	1.23	0.73	0.17
-25.5	3.59	2.93	2.79	2.59	2.32	1.99	1.45	1.37	0.82	0.20
-29	3.14	2.72	2.74	2.67	2.47	2.13	1.55	1.47	0.88	0.21
-33	2.84	2.59	2.73	2.72	2.53	2.18	1.60	1.53	0.92	0.22
-37.5	2.73	2.52	2.67	2.66	2.47	2.14	1.59	1.53	0.93	0.23
-42.5	2.40	2.18	2.28	2.25	2.10	1.84	1.37	1.34	0.81	0.19
-47.5	2.73	2.49	2.60	2.58	2.44	2.16	1.62	1.61	0.97	0.23
-55	2.23	2.06	2.17	2.18	2.09	1.87	1.43	1.43	0.83	0.18
-65	1.05	0.97	1.03	1.04	1.00	0.90	0.69	0.67	0.37	0.09
-75	0.32	0.29	0.31	0.31	0.30	0.28	0.22	0.21	0.14	0.05
-85	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.02	0.01
-90	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.02	0.01
Total	208.62	142.02	112.05	84.87	64.09	49.66	35.35	33.46	19.08	4.29

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.00	0.00	0.14	
85				
	0.00	0.00	0.36	
75				
	0.00	0.00	0.15	
65				
	0.01	0.00	0.46	
55				
	0.00	0.00	4.81	
47.5				
	0.00	0.00	9.59	
42.5				
	0.01	0.00	16.47	
37.5				
	0.01	0.00	23.97	
33				
	0.01	0.00	36.56	
29				
	0.01	0.00	54.06	
25.5				
	0.01	0.00	73.63	
22.5				
	0.01	0.00	113.09	
19.5				
	0.01	0.00	134.30	
17				
	0.01	0.00	138.80	

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

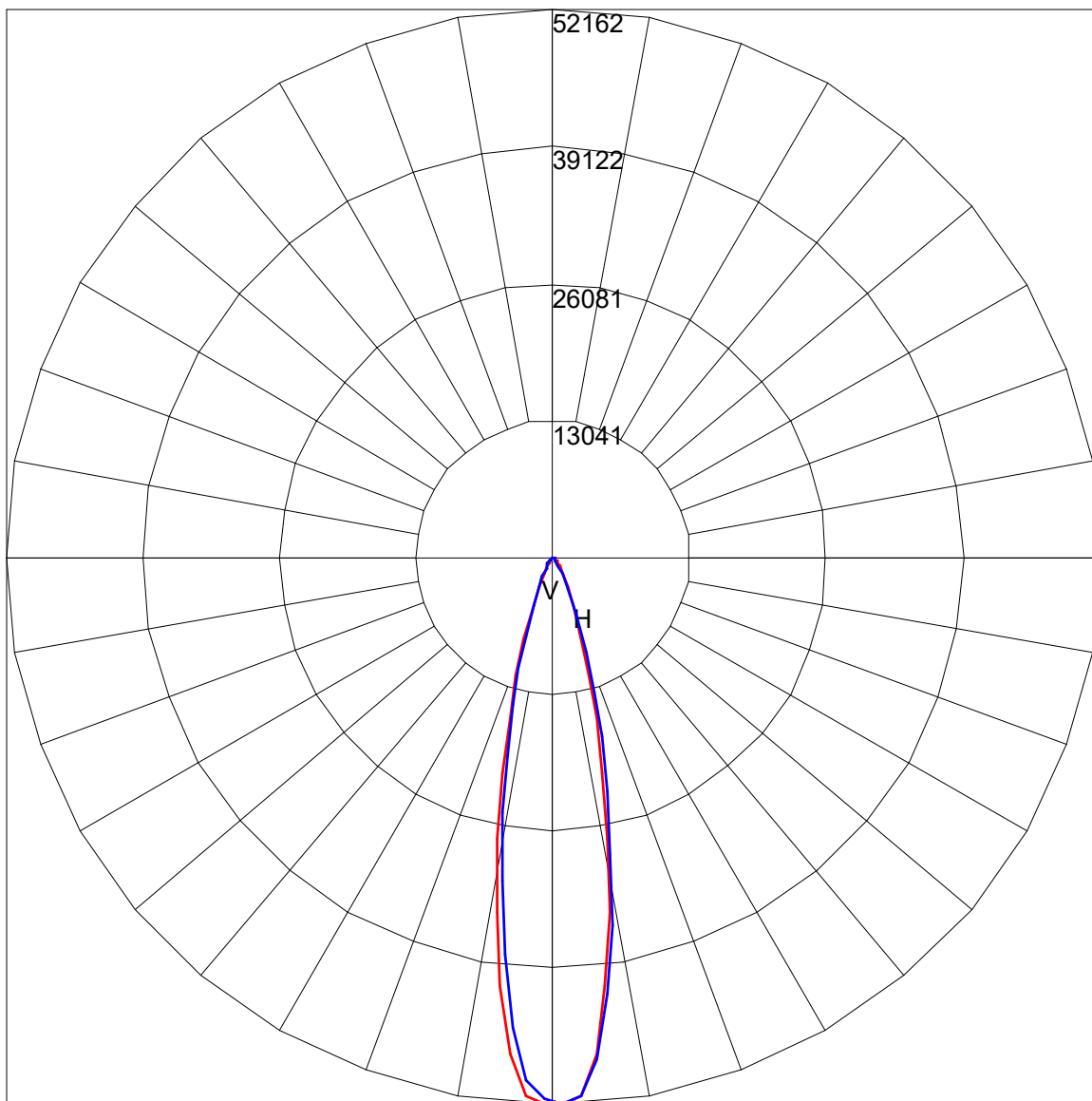
15	0.01	0.00	172.11
13	0.01	0.00	210.89
11	0.01	0.00	253.79
9	0.01	0.00	298.35
7	0.01	0.00	340.43
5	0.01	0.00	374.45
3	0.01	0.00	396.98
1	0.00	0.00	202.58
0	0.00	0.00	201.20
-1	0.01	0.00	389.83
-3	0.01	0.00	362.43
-5	0.01	0.00	323.33
-7	0.01	0.00	279.25
-9	0.01	0.00	234.93
-11	0.01	0.00	193.12
-13	0.01	0.00	156.08
-15	0.01	0.00	125.18
-17	0.01	0.00	122.60
-19.5	0.02	0.00	108.00
-22.5	0.02	0.00	75.91
-25.5	0.02	0.00	62.94
-29	0.02	0.00	52.21
-33	0.02	0.00	44.11
-37.5	0.02	0.00	40.66
-42.5	0.02	0.00	35.67
-47.5	0.02	0.00	41.03
-55	0.02	0.00	34.27
-65	0.01	0.00	16.06

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

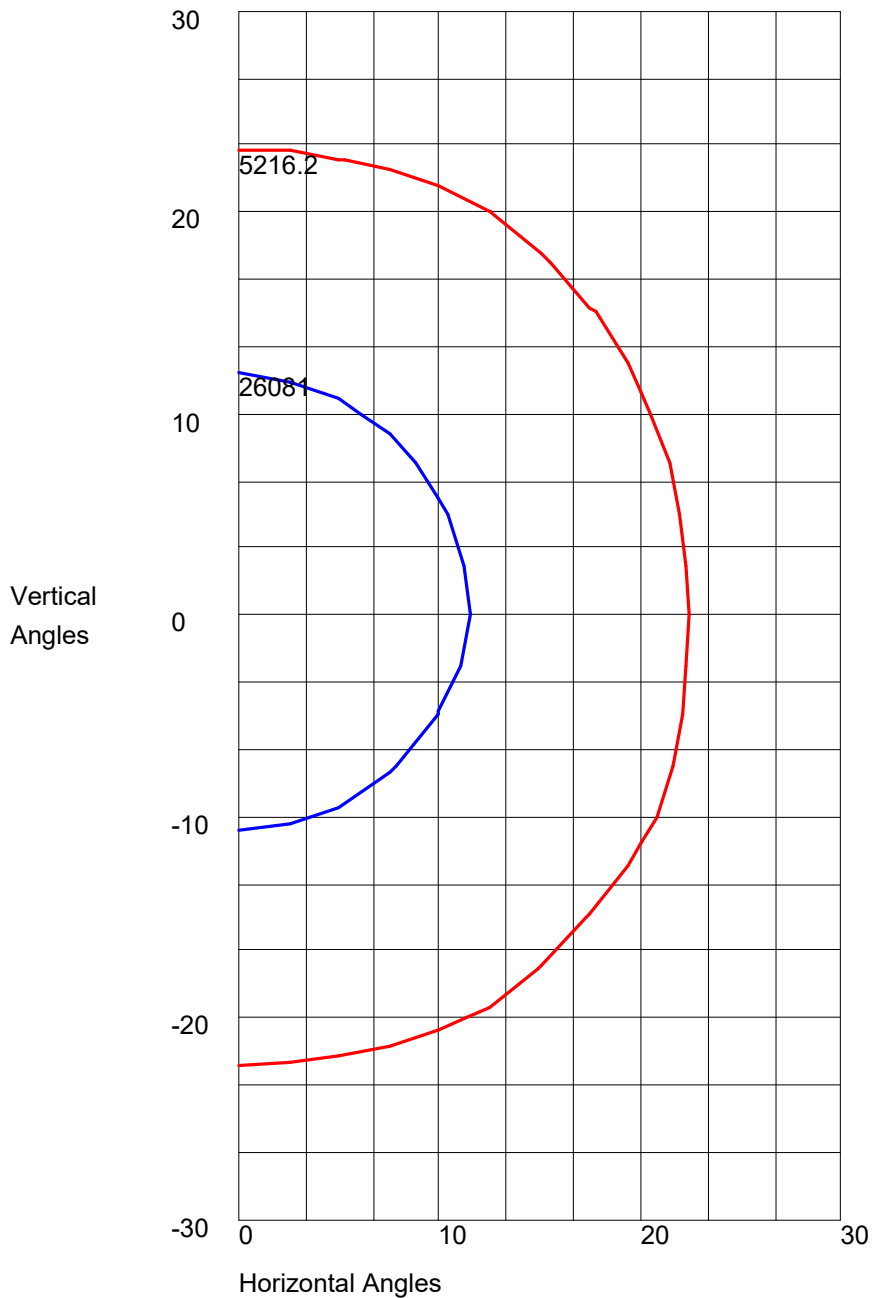
-75	0.01	0.00	4.91
-85	0.00	0.00	0.45
-90			
Total	0.40	0.01	5760.11

AXIAL CANDELA DISPLAY



Maximum Candela = 52162 Located At Horizontal Angle = -1, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 52162 Located At Horizontal Angle = -1, Vertical Angle = 0
50% Maximum Candela = 26081
10% Maximum Candela = 5216.2