



## IES FLOOD REPORT

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

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] LED-12598  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUEDATE] 04/01/21  
[TESTDATE] 03/12/21  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] PFL-LED-12L-PC-NF-40-80-FGS  
[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 4 V
Maximum Candela	59416
Maximum Candela Angle	0H 1V
Horizontal Beam Angle (50%)	22.8
Vertical Beam Angle (50%)	22.5
Horizontal Field Angle (10%)	44.3
Vertical Field Angle (10%)	46.1
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	5203
Beam Efficiency	N.A.
Field Lumens	10486
Field Efficiency	N.A.
Spill Lumens	2317
Luminaire Lumens	12803
Total Efficiency	N.A.
Total Luminaire Watts	102
Ballast Factor	1.00



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

**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	2	85	5
75	8	75	8
65	39	65	19
55	206	55	102
47.5	346	47.5	297
42.5	468	42.5	391
37.5	683	37.5	666
33	1153	33	1374
29	2043	29	2591
25.5	3442	25.5	4525
22.5	5472	22.5	7616
19.5	9076	19.5	11486
17	13383	17	15833
15	18045	15	20188
13	24458	13	26110
11	31623	11	32987
9	39354	9	40767
7	47173	7	48713
5	54309	5	55403
3	58626	3	59035
1	59321	1	59416
0	59065	0	59065
-1	59321	-1	58559
-3	58626	-3	56397
-5	54309	-5	50781
-7	47173	-7	42924
-9	39354	-9	35163
-11	31623	-11	27947
-13	24458	-13	21603
-15	18045	-15	16337
-17	13383	-17	12491
-19.5	9076	-19.5	8675
-22.5	5472	-22.5	5419
-25.5	3442	-25.5	3069
-29	2043	-29	1771
-33	1153	-33	1012
-37.5	683	-37.5	507
-42.5	468	-42.5	404
-47.5	346	-47.5	321
-55	206	-55	85
-65	39	-65	17
-75	8	-75	7
-85	2	-85	3
-90	0	-90	0

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

**CANDELA TABULATION**

Maximum Candela = 59416

Beam Edge = 29708 Cd (50% of Max.)

Field Edge = 5941.6 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	3	4	5	6	6	7	7
75.0	0	1	2	3	4	5	5	5	5	6
65.0	0	1	2	4	6	7	8	10	12	13
55.0	0	1	3	6	9	23	31	45	54	60
47.5	0	1	4	8	23	67	92	122	146	175
42.5	0	1	5	10	41	95	125	162	194	230
37.5	0	2	5	12	65	133	166	217	262	314
33.0	0	2	6	13	93	172	222	290	362	430
29.0	0	2	6	14	118	213	272	367	459	595
25.5	0	2	7	15	142	242	334	435	571	760
22.5	0	2	7	20	162	272	366	488	670	970
19.5	0	2	7	25	175	295	392	536	753	1137
17.0	0	2	7	29	183	312	410	565	817	1292
15.0	0	2	8	31	189	320	425	580	871	1399
13.0	0	2	8	33	194	327	437	602	918	1532
11.0	0	2	8	35	197	333	446	624	980	1656
9.0	0	2	8	37	200	337	453	646	1039	1767
7.0	0	2	8	38	202	341	457	662	1085	1866
5.0	0	2	8	38	204	343	460	672	1113	1946
3.0	0	2	8	39	206	347	466	678	1127	1986
1.0	0	2	8	39	206	346	467	683	1148	2032
0.0	0	2	8	39	206	346	468	683	1153	2043
-1.0	0	2	8	39	207	348	469	684	1153	2057
-3.0	0	2	8	39	208	351	471	681	1145	2054
-5.0	0	2	8	38	206	350	468	683	1146	1994
-7.0	0	2	8	37	205	350	470	686	1133	1890
-9.0	0	2	8	35	203	349	471	684	1101	1782
-11.0	0	2	8	34	200	346	469	675	1045	1688
-13.0	0	2	8	32	196	342	465	658	983	1560
-15.0	0	2	8	31	191	337	458	633	934	1399
-17.0	0	2	7	28	185	329	444	615	878	1288
-19.5	0	2	7	26	175	311	424	593	789	1120
-22.5	0	2	7	21	162	287	393	544	688	934
-25.5	0	2	7	17	144	259	355	470	590	742
-29.0	0	2	6	16	122	224	299	395	484	577
-33.0	0	2	6	14	98	183	243	317	385	444
-37.5	0	2	5	12	71	143	185	239	286	330
-42.5	0	1	5	10	46	107	139	178	209	244
-47.5	0	1	4	8	25	74	99	135	156	183
-55.0	0	1	3	6	10	21	29	40	48	53
-65.0	0	1	2	4	5	7	8	9	10	11
-75.0	0	1	2	2	4	4	4	5	5	5
-85.0	0	0	1	2	4	4	5	5	6	6
-90.0	0	0	0	0	0	0	0	0	0	0

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-40-80-FGS.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	7	7	7	7	7	7	6	6	5	5
75.0	6	7	7	7	7	7	7	8	8	8
65.0	14	14	15	16	17	17	18	18	18	19
55.0	69	74	80	85	89	93	97	101	104	106
47.5	199	217	239	255	265	275	285	290	293	296
42.5	254	282	308	324	342	359	372	380	385	388
37.5	362	404	459	509	543	574	602	625	642	651
33.0	529	627	735	840	927	1003	1095	1182	1257	1317
29.0	739	926	1137	1361	1541	1773	1966	2119	2272	2433
25.5	1029	1386	1771	2138	2546	2932	3237	3680	4048	4330
22.5	1352	1856	2480	3177	3875	4536	5228	5918	6521 *	7041 *
19.5	1663	2343	3295	4369	5376	6523 *	7533 *	8666 *	9639 *	10405 *
17.0	1923	2777	4056	5508	6791 *	8424 *	9894 *	11568 *	13026 *	14317 *
15.0	2172	3214	4732	6479 *	8282 *	10177 *	12407 *	14349 *	16559 *	18456 *
13.0	2418	3648	5526	7699 *	9768 *	12453 *	15212 *	18156 *	20861 *	23548 *
11.0	2654	4028	6244 *	8810 *	11606 *	14804 *	18413 *	22203 *	25919 *	29509 *
9.0	2929	4580	7161 *	10234 *	13286 *	17333 *	21773 *	26358 *	31230 *	35672 *
7.0	3162	4977	7812 *	11317 *	15105 *	19709 *	25061 *	30834 *	36447 *	41773 *
5.0	3327	5266	8280 *	12113 *	16570 *	21925 *	28010 *	34892 *	41822 *	47394 *
3.0	3422	5449	8747 *	12854 *	17524 *	23480 *	30313 *	37695 *	45332 *	52036 *
1.0	3453	5514	9014 *	13288 *	18007 *	24126 *	31171 *	39083 *	47135 *	54438 *
0.0	3442	5472	9076 *	13383 *	18045 *	24458 *	31623 *	39354 *	47173 *	54309 *
-1.0	3458	5521	8980 *	13227 *	17912 *	23903 *	30816 *	38371 *	46056 *	53470 *
-3.0	3439	5458	8635 *	12631 *	17011 *	22584 *	28967 *	36024 *	43445 *	49417 *
-5.0	3344	5262	8102 *	11775 *	15771 *	20574 *	26090 *	32372 *	38316 *	43477 *
-7.0	3182	4940	7582 *	10871 *	14232 *	18132 *	22916 *	27919 *	32524 *	37182 *
-9.0	2934	4496	6869 *	9685 *	12385 *	15905 *	19601 *	23236 *	27243 *	30789 *
-11.0	2635	3961	5972 *	8354 *	10772 *	13345 *	16215 *	19210 *	22021 *	24579 *
-13.0	2398	3550	5214	7164 *	8916 *	11019 *	13181 *	15420 *	17369 *	19280 *
-15.0	2139	3079	4470	5893	7398 *	8869 *	10598 *	12039 *	13652 *	14837 *
-17.0	1876	2621	3754	4948	5979 *	7208 *	8352 *	9588 *	10584 *	11253 *
-19.5	1625	2173	2963	3786	4554	5377	6163 *	7029 *	7669 *	8146 *
-22.5	1238	1628	2160	2603	3089	3551	3961	4477	4888	5209
-25.5	920	1130	1432	1632	1926	2185	2348	2668	2896	3035
-29.0	668	800	941	1087	1185	1329	1447	1515	1590	1693
-33.0	500	559	629	698	760	810	853	897	941	976
-37.5	359	392	417	431	443	471	492	507	516	516
-42.5	270	295	319	338	352	364	377	385	393	400
-47.5	206	222	247	264	274	285	297	305	312	317
-55.0	61	64	67	73	77	81	85	87	88	88
-65.0	12	13	14	15	15	16	16	16	17	17
-75.0	6	6	6	7	7	7	7	7	7	7
-85.0	7	6	6	6	6	6	5	5	4	4
-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	5	5	5	5	5	5	5	6	6	7
75.0	8	8	8	8	8	8	8	8	7	7
65.0	19	19	19	19	19	19	18	18	18	17

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

**CANDELA TABULATION - (Cont.)**

55.0	108	104	102	104	108	106	104	101	97	93
47.5	299	298	297	298	299	296	293	290	285	275
42.5	391	391	391	391	391	388	385	380	372	359
37.5	651	664	666	664	651	651	642	625	602	574
33.0	1360	1375	1374	1375	1360	1317	1257	1182	1095	1003
29.0	2549	2594	2591	2594	2549	2433	2272	2119	1966	1773
25.5	4505	4548	4525	4548	4505	4330	4048	3680	3237	2932
22.5	7410 *	7623 *	7616 *	7623 *	7410 *	7041 *	6521 *	5918	5228	4536
19.5	11074 *	11446 *	11486 *	11446 *	11074 *	10405 *	9639 *	8666 *	7533 *	6523 *
17.0	15301 *	15812 *	15833 *	15812 *	15301 *	14317 *	13026 *	11568 *	9894 *	8424 *
15.0	19697 *	20303 *	20188 *	20303 *	19697 *	18456 *	16559 *	14349 *	12407 *	10177 *
13.0	25285 *	26161 *	26110 *	26161 *	25285 *	23548 *	20861 *	18156 *	15212 *	12453 *
11.0	31734 *	33030 *	32987 *	33030 *	31734 *	29509 *	25919 *	22203 *	18413 *	14804 *
9.0	38874 *	40418 *	40767 *	40418 *	38874 *	35672 *	31230 *	26358 *	21773 *	17333 *
7.0	46188 *	47910 *	48713 *	47910 *	46188 *	41773 *	36447 *	30834 *	25061 *	19709 *
5.0	51981 *	55010 *	55403 *	55010 *	51981 *	47394 *	41822 *	34892 *	28010 *	21925 *
3.0	56121 *	58467 *	59035 *	58467 *	56121 *	52036 *	45332 *	37695 *	30313 *	23480 *
1.0	58429 *	59365 *	59416 *	59365 *	58429 *	54438 *	47135 *	39083 *	31171 *	24126 *
0.0	58626 *	59321 *	59065 *	59321 *	58626 *	54309 *	47173 *	39354 *	31623 *	24458 *
-1.0	57586 *	58545 *	58559 *	58545 *	57586 *	53470 *	46056 *	38371 *	30816 *	23903 *
-3.0	53460 *	55894 *	56397 *	55894 *	53460 *	49417 *	43445 *	36024 *	28967 *	22584 *
-5.0	48067 *	50623 *	50781 *	50623 *	48067 *	43477 *	38316 *	32372 *	26090 *	20574 *
-7.0	40855 *	42370 *	42924 *	42370 *	40855 *	37182 *	32524 *	27919 *	22916 *	18132 *
-9.0	33321 *	34654 *	35163 *	34654 *	33321 *	30789 *	27243 *	23236 *	19601 *	15905 *
-11.0	26473 *	27538 *	27947 *	27538 *	26473 *	24579 *	22021 *	19210 *	16215 *	13345 *
-13.0	20589 *	21314 *	21603 *	21314 *	20589 *	19280 *	17369 *	15420 *	13181 *	11019 *
-15.0	15669 *	16220 *	16337 *	16220 *	15669 *	14837 *	13652 *	12039 *	10598 *	8869 *
-17.0	11896 *	12341 *	12491 *	12341 *	11896 *	11253 *	10584 *	9588 *	8352 *	7208 *
-19.5	8553 *	8716 *	8675 *	8716 *	8553 *	8146 *	7669 *	7029 *	6163 *	5377
-22.5	5428	5491	5419	5491	5428	5209	4888	4477	3961	3551
-25.5	3100	3095	3069	3095	3100	3035	2896	2668	2348	2185
-29.0	1755	1776	1771	1776	1755	1693	1590	1515	1447	1329
-33.0	999	1011	1012	1011	999	976	941	897	853	810
-37.5	510	509	507	509	510	516	516	507	492	471
-42.5	407	405	404	405	407	400	393	385	377	364
-47.5	323	322	321	322	323	317	312	305	297	285
-55.0	89	86	85	86	89	88	88	87	85	81
-65.0	17	17	17	17	17	17	17	16	16	16
-75.0	7	7	7	7	7	7	7	7	7	7
-85.0	4	3	3	3	4	4	4	5	5	6
-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	7	7	7	7	7	7	7	6	6	5
75.0	7	7	7	7	6	6	5	5	5	5
65.0	17	16	15	14	14	13	12	10	8	7
55.0	89	85	80	74	69	60	54	45	31	23
47.5	265	255	239	217	199	175	146	122	92	67
42.5	342	324	308	282	254	230	194	162	125	95
37.5	543	509	459	404	362	314	262	217	166	133
33.0	927	840	735	627	529	430	362	290	222	172
29.0	1541	1361	1137	926	739	595	459	367	272	213
25.5	2546	2138	1771	1386	1029	760	571	435	334	242

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

**CANDELA TABULATION - (Cont.)**

22.5	3875	3177	2480	1856	1352	970	670	488	366	272
19.5	5376	4369	3295	2343	1663	1137	753	536	392	295
17.0	6791 *	5508	4056	2777	1923	1292	817	565	410	312
15.0	8282 *	6479 *	4732	3214	2172	1399	871	580	425	320
13.0	9768 *	7699 *	5526	3648	2418	1532	918	602	437	327
11.0	11606 *	8810 *	6244 *	4028	2654	1656	980	624	446	333
9.0	13286 *	10234 *	7161 *	4580	2929	1767	1039	646	453	337
7.0	15105 *	11317 *	7812 *	4977	3162	1866	1085	662	457	341
5.0	16570 *	12113 *	8280 *	5266	3327	1946	1113	672	460	343
3.0	17524 *	12854 *	8747 *	5449	3422	1986	1127	678	466	347
1.0	18007 *	13288 *	9014 *	5514	3453	2032	1148	683	467	346
0.0	18045 *	13383 *	9076 *	5472	3442	2043	1153	683	468	346
-1.0	17912 *	13227 *	8980 *	5521	3458	2057	1153	684	469	348
-3.0	17011 *	12631 *	8635 *	5458	3439	2054	1145	681	471	351
-5.0	15771 *	11775 *	8102 *	5262	3344	1994	1146	683	468	350
-7.0	14232 *	10871 *	7582 *	4940	3182	1890	1133	686	470	350
-9.0	12385 *	9685 *	6869 *	4496	2934	1782	1101	684	471	349
-11.0	10772 *	8354 *	5972 *	3961	2635	1688	1045	675	469	346
-13.0	8916 *	7164 *	5214	3550	2398	1560	983	658	465	342
-15.0	7398 *	5893	4470	3079	2139	1399	934	633	458	337
-17.0	5979 *	4948	3754	2621	1876	1288	878	615	444	329
-19.5	4554	3786	2963	2173	1625	1120	789	593	424	311
-22.5	3089	2603	2160	1628	1238	934	688	544	393	287
-25.5	1926	1632	1432	1130	920	742	590	470	355	259
-29.0	1185	1087	941	800	668	577	484	395	299	224
-33.0	760	698	629	559	500	444	385	317	243	183
-37.5	443	431	417	392	359	330	286	239	185	143
-42.5	352	338	319	295	270	244	209	178	139	107
-47.5	274	264	247	222	206	183	156	135	99	74
-55.0	77	73	67	64	61	53	48	40	29	21
-65.0	15	15	14	13	12	11	10	9	8	7
-75.0	7	7	6	6	6	5	5	5	4	4
-85.0	6	6	6	6	7	6	6	5	5	4
-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	4	3	1	0	0
75.0	4	3	2	1	0
65.0	6	4	2	1	0
55.0	9	6	3	1	0
47.5	23	8	4	1	0
42.5	41	10	5	1	0
37.5	65	12	5	2	0
33.0	93	13	6	2	0
29.0	118	14	6	2	0
25.5	142	15	7	2	0
22.5	162	20	7	2	0
19.5	175	25	7	2	0
17.0	183	29	7	2	0
15.0	189	31	8	2	0
13.0	194	33	8	2	0
11.0	197	35	8	2	0
9.0	200	37	8	2	0

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

**CANDELA TABULATION - (Cont.)**

<b>7.0</b>	202	38	8	2	0
<b>5.0</b>	204	38	8	2	0
<b>3.0</b>	206	39	8	2	0
<b>1.0</b>	206	39	8	2	0
<b>0.0</b>	206	39	8	2	0
<b>-1.0</b>	207	39	8	2	0
<b>-3.0</b>	208	39	8	2	0
<b>-5.0</b>	206	38	8	2	0
<b>-7.0</b>	205	37	8	2	0
<b>-9.0</b>	203	35	8	2	0
<b>-11.0</b>	200	34	8	2	0
<b>-13.0</b>	196	32	8	2	0
<b>-15.0</b>	191	31	8	2	0
<b>-17.0</b>	185	28	7	2	0
<b>-19.5</b>	175	26	7	2	0
<b>-22.5</b>	162	21	7	2	0
<b>-25.5</b>	144	17	7	2	0
<b>-29.0</b>	122	16	6	2	0
<b>-33.0</b>	98	14	6	2	0
<b>-37.5</b>	71	12	5	2	0
<b>-42.5</b>	46	10	5	1	0
<b>-47.5</b>	25	8	4	1	0
<b>-55.0</b>	10	6	3	1	0
<b>-65.0</b>	5	4	2	1	0
<b>-75.0</b>	4	2	2	1	0
<b>-85.0</b>	4	2	1	0	0
<b>-90.0</b>	0	0	0	0	0

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

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 6401.65

Total Field Lumens (one side of beam only) = 5243.15

\* 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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
75	0.02	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05
65	0.04	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.08
55	0.19	0.38	0.38	0.37	0.36	0.35	0.34	0.32	0.30	0.35
47.5	0.46	0.92	0.92	0.91	0.89	0.87	0.84	0.80	0.76	0.89
42.5	0.52	1.05	1.04	1.03	1.02	1.00	0.96	0.92	0.87	1.02
37.5	0.80	1.60	1.58	1.56	1.53	1.48	1.42	1.34	1.26	1.45
33	1.40	2.77	2.72	2.64	2.52	2.36	2.19	2.03	1.86	2.07
29	2.42	4.80	4.65	4.41	4.12	3.82	3.48	3.10	2.73	2.95
25.5	3.80	7.56	7.35	6.94	6.40	5.78	5.17	4.55	3.89	4.05
22.5	5.55 *	11.00 *	10.61	9.97	9.12	8.13	7.12	6.16	5.15	5.19
19.5	8.72 *	17.15 *	16.38 *	15.27 *	13.91 *	12.30 *	10.65 *	9.00	7.38	7.23
17	10.39 *	20.41 *	19.41 *	17.94 *	16.17 *	14.12 *	12.06 *	10.02 *	8.07	7.79
15	10.99 *	21.65 *	20.59 *	18.89 *	16.74 *	14.46 *	12.19 *	9.95 *	7.92 *	7.51
13	14.13 *	27.84 *	26.43 *	24.06 *	21.09 *	18.04 *	14.97 *	12.02 *	9.44 *	8.84 *
11	18.02 *	35.38 *	33.45 *	30.24 *	26.28 *	22.19 *	18.14 *	14.37 *	11.09 *	10.23 *
9	22.42 *	43.85 *	41.26 *	37.06 *	31.89 *	26.62 *	21.55 *	16.86 *	12.86 *	11.73 *
7	27.08 *	52.78 *	49.38 *	43.96 *	37.67 *	31.21 *	24.99 *	19.34 *	14.62 *	13.21 *
5	31.53 *	61.21 *	56.92 *	50.72 *	43.43 *	35.64 *	28.22 *	21.67 *	16.13 *	14.29 *
3	34.71 *	67.45 *	63.06 *	56.52 *	48.18 *	39.27 *	30.91 *	23.50 *	17.29 *	15.18 *
1	35.99 *	70.74 *	67.16 *	60.27 *	51.05 *	41.48 *	32.50 *	24.57 *	18.06 *	15.87 *
0	18.06 *	35.88 *	34.31 *	30.76 *	26.05 *	21.18 *	16.59 *	12.51 *	9.18 *	8.09 *
-1	17.93 *	35.63 *	34.03 *	30.45 *	25.78 *	21.02 *	16.51 *	12.46 *	9.16 *	8.08 *
	34.94 *	68.64 *	65.01 *	58.28 *	49.44 *	40.25 *	31.66 *	24.06 *	17.80 *	15.72 *

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

**LUMENS TABULATION - (Cont.)**

<b>-3</b>	32.55 *	63.33 *	59.08 *	52.91 *	45.29 *	37.03 *	29.26 *	22.44 *	16.74 *	14.88 *
<b>-5</b>	28.43 *	55.38 *	51.53 *	45.89 *	39.55 *	32.79 *	26.13 *	20.31 *	15.42 *	13.86 *
<b>-7</b>	23.62 *	46.03 *	43.19 *	38.70 *	33.46 *	28.10 *	22.81 *	17.93 *	13.81 *	12.66 *
<b>-9</b>	19.08 *	37.13 *	34.99 *	31.70 *	27.66 *	23.48 *	19.39 *	15.49 *	12.06 *	11.17 *
<b>-11</b>	14.99 *	29.20 *	27.63 *	25.22 *	22.33 *	19.21 *	16.02 *	13.02 *	10.31 *	9.66 *
<b>-13</b>	11.49 *	22.46 *	21.38 *	19.73 *	17.64 *	15.37 *	13.01 *	10.70 *	8.60 *	8.22
<b>-15</b>	8.74 *	17.09 *	16.30 *	15.25 *	13.83 *	12.17 *	10.44 *	8.71 *	7.09 *	6.89
<b>-17</b>	8.04 *	15.79 *	15.14 *	14.26 *	13.15 *	11.67 *	10.09 *	8.54	7.05	6.98
<b>-19.5</b>	6.47 *	12.87 *	12.46 *	11.77 *	10.89 *	9.73	8.51	7.35	6.16	6.24
<b>-22.5</b>	3.90	7.81	7.64	7.28	6.75	6.05	5.38	4.77	4.06	4.25
<b>-25.5</b>	2.59	5.18	5.10	4.88	4.58	4.19	3.81	3.43	2.99	3.22
<b>-29</b>	1.70	3.37	3.30	3.15	2.98	2.83	2.65	2.41	2.18	2.43
<b>-33</b>	1.04	2.07	2.05	2.01	1.94	1.86	1.76	1.65	1.54	1.77
<b>-37.5</b>	0.69	1.39	1.39	1.38	1.36	1.32	1.27	1.20	1.14	1.36
<b>-42.5</b>	0.55	1.11	1.10	1.08	1.05	1.02	0.99	0.94	0.90	1.06
<b>-47.5</b>	0.46	0.94	0.93	0.91	0.90	0.87	0.84	0.79	0.76	0.88
<b>-55</b>	0.16	0.32	0.32	0.32	0.31	0.31	0.29	0.28	0.26	0.31
<b>-65</b>	0.04	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.08
<b>-75</b>	0.02	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05
<b>-85</b>	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
<b>-90</b>										
<b>Total</b>	464.67	910.42	860.42	778.93	677.58	569.80	465.33	369.73	287.15	267.84

**Vert. Horizontal Angles**

<b>Angles</b>	<b>19.5</b>	<b>22.5</b>	<b>25.5</b>	<b>29</b>	<b>33</b>	<b>37.5</b>	<b>42.5</b>	<b>47.5</b>	<b>55</b>	<b>65</b>
<b>90</b>	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.02	0.01	0.01
<b>85</b>	0.06	0.06	0.06	0.07	0.06	0.06	0.06	0.06	0.05	0.02
<b>75</b>	0.09	0.09	0.09	0.09	0.09	0.08	0.07	0.08	0.06	0.03
<b>65</b>	0.39	0.36	0.37	0.36	0.34	0.27	0.19	0.16	0.10	0.04
<b>55</b>	0.98	0.87	0.89	0.85	0.77	0.63	0.43	0.33	0.13	0.04

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

**LUMENS TABULATION - (Cont.)**

<b>47.5</b>										
	1.12	0.99	1.02	0.97	0.87	0.73	0.51	0.40	0.16	0.04
<b>42.5</b>	1.55	1.36	1.37	1.31	1.17	0.98	0.70	0.60	0.24	0.04
<b>37.5</b>	2.14	1.80	1.74	1.61	1.42	1.17	0.84	0.74	0.31	0.04
<b>33</b>	2.92	2.35	2.17	1.93	1.65	1.34	0.95	0.85	0.36	0.04
<b>29</b>	3.90	2.98	2.59	2.18	1.79	1.44	1.00	0.89	0.38	0.04
<b>25.5</b>	4.79	3.52	2.92	2.33	1.82	1.42	0.98	0.88	0.39	0.04
<b>22.5</b>	6.38	4.52	3.64	2.76	2.05	1.56	1.07	0.97	0.44	0.05
<b>19.5</b>	6.65	4.54	3.56	2.61	1.87	1.39	0.95	0.86	0.39	0.04
<b>17</b>	6.30	4.21	3.22	2.29	1.59	1.15	0.79	0.72	0.33	0.04
<b>15</b>	7.30	4.78	3.56	2.46	1.66	1.19	0.81	0.74	0.34	0.04
<b>13</b>	8.29	5.32	3.91	2.66	1.75	1.23	0.83	0.75	0.35	0.04
<b>11</b>	9.39	5.92	4.27	2.84	1.84	1.26	0.84	0.76	0.36	0.05
<b>9</b>	10.46 *	6.53	4.61	3.01	1.92	1.29	0.85	0.77	0.36	0.05
<b>7</b>	11.23 *	6.98	4.88	3.14	1.98	1.31	0.86	0.78	0.37	0.05
<b>5</b>	11.83 *	7.29	5.06	3.22	2.01	1.33	0.87	0.79	0.37	0.05
<b>3</b>	12.25 *	7.45	5.16	3.29	2.03	1.34	0.88	0.79	0.37	0.05
<b>1</b>	6.20 *	3.73	2.60	1.66	1.03	0.67	0.44	0.39	0.19	0.02
<b>0</b>	6.20 *	3.73	2.61	1.67	1.03	0.67	0.44	0.40	0.19	0.02
<b>-1</b>	12.20 *	7.46	5.22	3.35	2.05	1.34	0.88	0.80	0.37	0.05
<b>-3</b>	11.71 *	7.31	5.13	3.31	2.05	1.34	0.88	0.80	0.37	0.05
<b>-5</b>	11.04 *	6.98	4.93	3.22	2.04	1.35	0.88	0.79	0.37	0.05
<b>-7</b>	10.19 *	6.49	4.64	3.08	2.02	1.35	0.88	0.79	0.37	0.05
<b>-9</b>	9.08	5.85	4.28	2.93	1.96	1.34	0.88	0.78	0.36	0.04
<b>-11</b>	7.97	5.24	3.92	2.75	1.88	1.32	0.87	0.77	0.35	0.04
<b>-13</b>	6.96	4.66	3.55	2.55	1.80	1.29	0.86	0.76	0.34	0.04
<b>-15</b>	5.94	4.05	3.18	2.35	1.71	1.25	0.84	0.74	0.33	0.04
<b>-17</b>	6.14	4.33	3.50	2.66	2.01	1.51	1.01	0.89	0.39	0.04
<b>-19.5</b>	5.71	4.17	3.49	2.77	2.19	1.71	1.14	1.00	0.44	0.05

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

LUMENS TABULATION - (Cont.)

<b>-22.5</b>	4.06	3.08	2.73	2.31	1.92	1.54	1.04	0.91	0.39	0.04
<b>-25.5</b>	3.21	2.57	2.41	2.19	1.90	1.55	1.07	0.94	0.40	0.04
<b>-29</b>	2.50	2.11	2.07	1.97	1.77	1.46	1.02	0.90	0.38	0.04
<b>-33</b>	1.92	1.70	1.74	1.70	1.54	1.29	0.91	0.80	0.33	0.04
<b>-37.5</b>	1.52	1.37	1.43	1.40	1.28	1.08	0.77	0.66	0.26	0.04
<b>-42.5</b>	1.15	1.04	1.07	1.03	0.95	0.80	0.56	0.45	0.17	0.04
<b>-47.5</b>	0.96	0.87	0.89	0.86	0.80	0.66	0.45	0.35	0.14	0.04
<b>-55</b>	0.34	0.31	0.32	0.32	0.30	0.25	0.17	0.15	0.10	0.04
<b>-65</b>	0.08	0.08	0.08	0.08	0.08	0.08	0.06	0.07	0.06	0.03
<b>-75</b>	0.05	0.05	0.06	0.06	0.06	0.06	0.05	0.06	0.05	0.02
<b>-85</b>	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.00
<b>-90</b>	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.00
<b>Total</b>	223.19	149.14	115.00	84.22	61.08	45.15	30.64	27.16	12.24	1.70

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
<b>90</b>				
	0.00	0.00	0.24	
<b>85</b>				
	0.01	0.00	0.97	
<b>75</b>				
	0.01	0.00	1.52	
<b>65</b>				
	0.01	0.00	5.93	
<b>55</b>				
	0.01	0.00	14.20	
<b>47.5</b>				
	0.01	0.00	16.24	
<b>42.5</b>				
	0.01	0.00	23.35	
<b>37.5</b>				
	0.01	0.00	34.39	
<b>33</b>				
	0.01	0.00	51.06	
<b>29</b>				
	0.01	0.00	72.67	
<b>25.5</b>				
	0.01	0.00	97.10	
<b>22.5</b>				
	0.01	0.00	141.43	
<b>19.5</b>				
	0.01	0.00	159.25	
<b>17</b>				
	0.01	0.00	161.53	

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

**LUMENS TABULATION - (Cont.)**

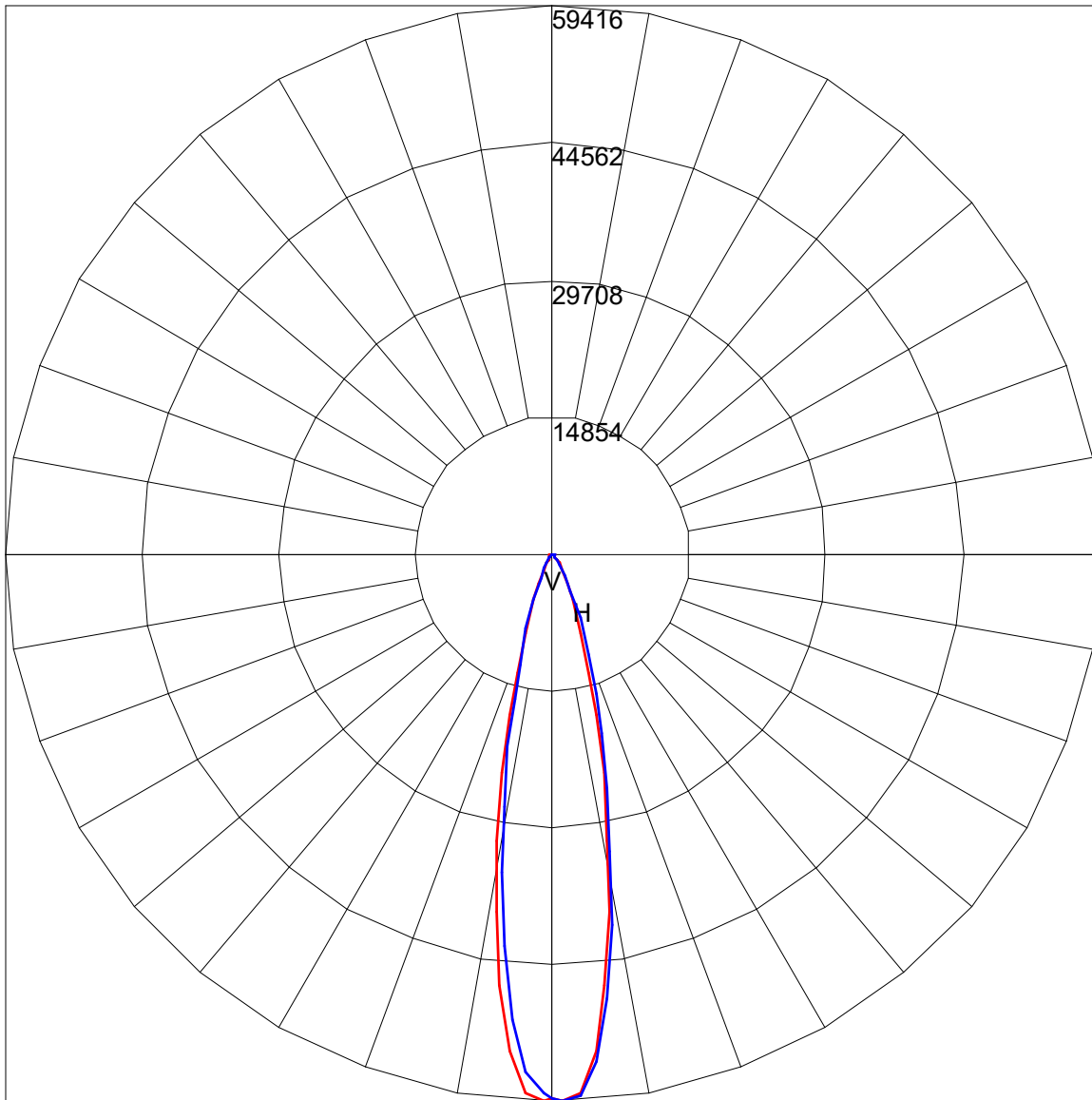
<b>15</b>	0.01	0.00	199.75
<b>13</b>	0.01	0.00	244.53
<b>11</b>	0.01	0.00	293.64
<b>9</b>	0.01	0.00	344.10
<b>7</b>	0.01	0.00	391.36
<b>5</b>	0.01	0.00	428.90
<b>3</b>	0.01	0.00	451.29
<b>1</b>	0.00	0.00	229.55
<b>0</b>	0.00	0.00	228.00
<b>-1</b>	0.01	0.00	439.51
<b>-3</b>	0.01	0.00	406.47
<b>-5</b>	0.01	0.00	360.95
<b>-7</b>	0.01	0.00	310.16
<b>-9</b>	0.01	0.00	259.68
<b>-11</b>	0.01	0.00	212.70
<b>-13</b>	0.01	0.00	171.43
<b>-15</b>	0.01	0.00	136.96
<b>-17</b>	0.01	0.00	133.22
<b>-19.5</b>	0.01	0.00	115.14
<b>-22.5</b>	0.01	0.00	75.95
<b>-25.5</b>	0.01	0.00	56.24
<b>-29</b>	0.01	0.00	41.23
<b>-33</b>	0.01	0.00	29.68
<b>-37.5</b>	0.01	0.00	22.33
<b>-42.5</b>	0.01	0.00	17.07
<b>-47.5</b>	0.01	0.00	14.31
<b>-55</b>	0.01	0.00	5.19
<b>-65</b>	0.01	0.00	1.37

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

**LUMENS TABULATION - (Cont.)**

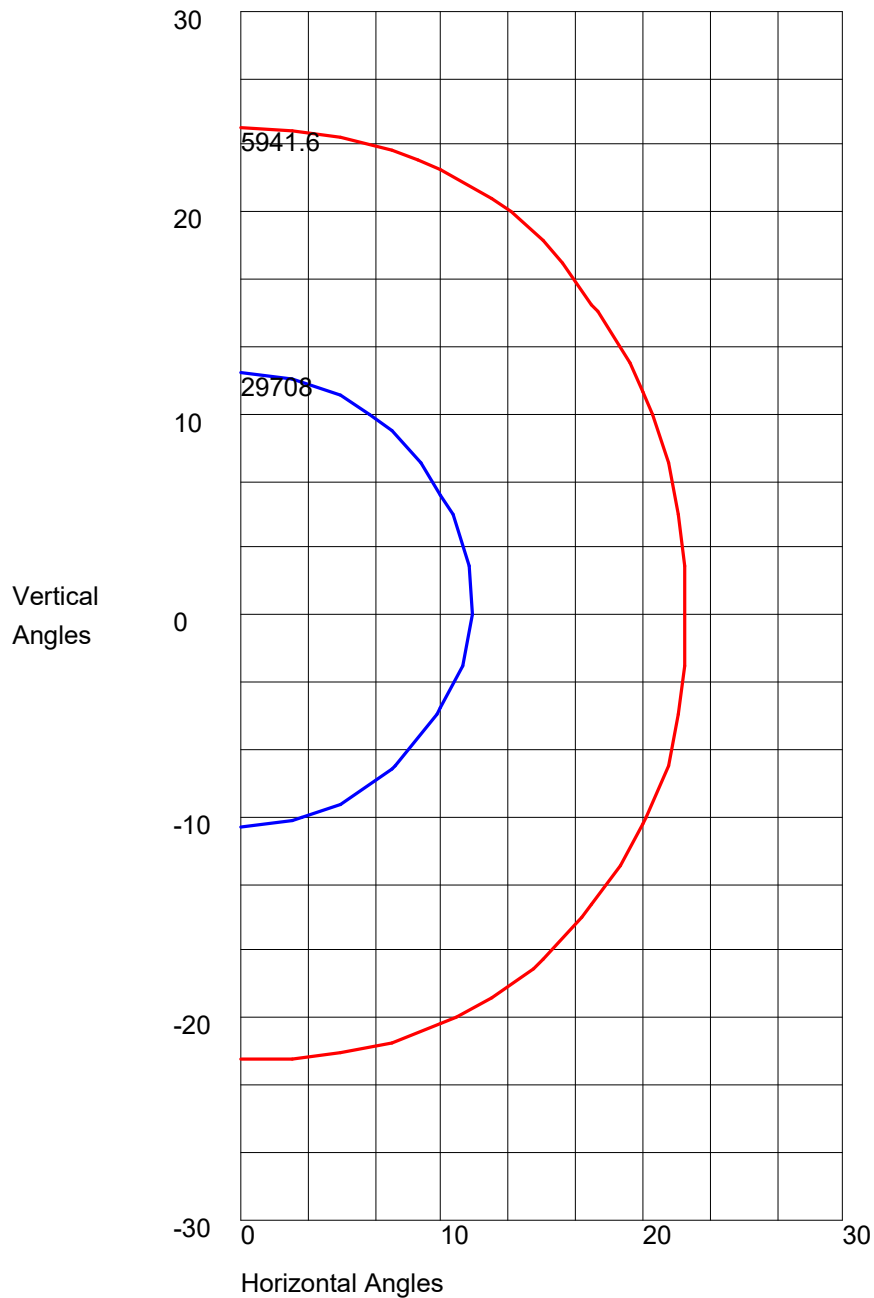
<b>-75</b>	0.01	0.00	0.85
<b>-85</b>	0.00	0.00	0.20
<b>-90</b>			
<b>Total</b>	0.28	0.01	6401.65

AXIAL CANDELA DISPLAY



Maximum Candela = 59416 Located At Horizontal Angle = 0, Vertical Angle = 1  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 59416 Located At Horizontal Angle = 0, Vertical Angle = 1  
50% Maximum Candela = 29708  
10% Maximum Candela = 5941.6