



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-50-80-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-50-80-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	57924
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	5072
Beam Efficiency	N.A.
Field Lumens	10223
Field Efficiency	N.A.
Spill Lumens	2259
Luminaire Lumens	12482
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	5
75	8	75	8
65	38	65	19
55	201	55	99
47.5	337	47.5	290
42.5	456	42.5	381
37.5	666	37.5	649
33	1124	33	1340
29	1991	29	2526
25.5	3355	25.5	4412
22.5	5335	22.5	7425
19.5	8848	19.5	11197
17	13046	17	15435
15	17592	15	19681
13	23844	13	25455
11	30829	11	32159
9	38366	9	39744
7	45989	7	47490
5	52946	5	54012
3	57154	3	57553
1	57832	1	57924
0	57582	0	57582
-1	57832	-1	57089
-3	57154	-3	54981
-5	52946	-5	49506
-7	45989	-7	41847
-9	38366	-9	34280
-11	30829	-11	27245
-13	23844	-13	21061
-15	17592	-15	15927
-17	13046	-17	12177
-19.5	8848	-19.5	8457
-22.5	5335	-22.5	5283
-25.5	3355	-25.5	2992
-29	1991	-29	1727
-33	1124	-33	987
-37.5	666	-37.5	494
-42.5	456	-42.5	394
-47.5	337	-47.5	313
-55	201	-55	83
-65	38	-65	17
-75	8	-75	7
-85	2	-85	3
-90	0	-90	0

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**CANDELA TABULATION**

Maximum Candela = 57924

Beam Edge = 28962 Cd (50% of Max.)

Field Edge = 5792.4 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	1	3	4	5	6	6	7	7
<b>75.0</b>	0	1	2	3	4	5	5	5	5	6
<b>65.0</b>	0	1	2	4	6	7	8	10	12	13
<b>55.0</b>	0	1	3	6	9	22	30	44	53	58
<b>47.5</b>	0	1	4	8	22	65	90	119	142	170
<b>42.5</b>	0	1	5	10	40	93	122	157	189	224
<b>37.5</b>	0	2	5	12	64	130	162	212	255	306
<b>33.0</b>	0	2	6	13	90	168	216	283	353	419
<b>29.0</b>	0	2	6	14	115	208	264	358	447	580
<b>25.5</b>	0	2	7	15	139	236	325	424	556	741
<b>22.5</b>	0	2	7	20	159	265	357	476	653	945
<b>19.5</b>	0	2	7	25	171	288	382	523	734	1109
<b>17.0</b>	0	2	7	28	179	304	400	551	796	1260
<b>15.0</b>	0	2	8	31	184	312	415	566	850	1365
<b>13.0</b>	0	2	8	33	189	319	427	587	895	1494
<b>11.0</b>	0	2	8	34	192	324	435	608	955	1614
<b>9.0</b>	0	2	8	36	195	329	442	629	1013	1722
<b>7.0</b>	0	2	8	37	197	332	446	645	1057	1819
<b>5.0</b>	0	2	8	38	199	334	448	655	1085	1897
<b>3.0</b>	0	2	8	38	201	338	454	662	1099	1936
<b>1.0</b>	0	2	8	38	201	337	455	666	1119	1980
<b>0.0</b>	0	2	8	38	201	337	456	666	1124	1991
<b>-1.0</b>	0	2	8	38	202	339	457	667	1124	2005
<b>-3.0</b>	0	2	8	38	203	342	459	664	1116	2002
<b>-5.0</b>	0	2	8	37	201	341	456	666	1117	1943
<b>-7.0</b>	0	2	8	36	200	341	458	669	1104	1843
<b>-9.0</b>	0	2	8	34	198	340	459	666	1073	1737
<b>-11.0</b>	0	2	8	33	195	337	457	658	1018	1646
<b>-13.0</b>	0	2	8	32	191	333	454	642	958	1521
<b>-15.0</b>	0	2	8	30	186	328	446	617	911	1364
<b>-17.0</b>	0	2	7	28	180	321	433	599	856	1255
<b>-19.5</b>	0	2	7	25	171	303	413	578	769	1092
<b>-22.5</b>	0	2	7	21	158	279	383	531	671	910
<b>-25.5</b>	0	2	7	17	140	252	346	459	575	723
<b>-29.0</b>	0	2	6	16	118	218	292	385	472	562
<b>-33.0</b>	0	2	6	14	95	178	237	309	376	433
<b>-37.5</b>	0	2	5	12	70	139	180	233	279	322
<b>-42.5</b>	0	1	5	10	45	104	136	174	204	238
<b>-47.5</b>	0	1	4	8	24	73	97	132	152	178
<b>-55.0</b>	0	1	3	6	10	20	28	39	47	52
<b>-65.0</b>	0	1	2	4	5	7	8	9	10	11
<b>-75.0</b>	0	1	2	2	4	4	4	5	5	5
<b>-85.0</b>	0	0	1	2	4	4	5	5	6	6
<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	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	67	72	78	83	87	90	94	98	101	103
47.5	194	211	233	249	258	268	277	282	286	288
42.5	247	274	301	316	334	350	363	370	375	378
37.5	353	393	447	496	529	559	586	610	626	634
33.0	516	611	716	819	904	978	1067	1153	1225	1284
29.0	720	903	1108	1327	1502	1729	1917	2066	2216	2373
25.5	1003	1351	1727	2085	2482	2859	3156	3588	3946	4222
22.5	1318	1810	2418	3097	3778	4422	5097	5770	6357 *	6864 *
19.5	1621	2285	3212	4259	5242	6360 *	7343 *	8448 *	9397 *	10144 *
17.0	1875	2707	3954	5370	6621 *	8212 *	9646 *	11277 *	12700 *	13957 *
15.0	2117	3133	4613	6316 *	8074 *	9922 *	12095 *	13988 *	16144 *	17992 *
13.0	2357	3556	5388	7506 *	9523 *	12140 *	14830 *	17701 *	20337 *	22957 *
11.0	2587	3927	6087 *	8589 *	11315 *	14432 *	17951 *	21645 *	25268 *	28768 *
9.0	2855	4464	6981 *	9977 *	12953 *	16898 *	21226 *	25696 *	30446 *	34777 *
7.0	3082	4852	7615 *	11033 *	14725 *	19215 *	24432 *	30060 *	35532 *	40724 *
5.0	3243	5133	8073 *	11809 *	16154 *	21374 *	27307 *	34016 *	40772 *	46205 *
3.0	3336	5312	8527 *	12531 *	17084 *	22890 *	29552 *	36749 *	44194 *	50730 *
1.0	3366	5376	8788 *	12954 *	17555 *	23521 *	30388 *	38102 *	45952 *	53071 *
0.0	3355	5335	8848 *	13046 *	17592 *	23844 *	30829 *	38366 *	45989 *	52946 *
-1.0	3372	5383	8755 *	12895 *	17462 *	23303 *	30042 *	37408 *	44900 *	52128 *
-3.0	3352	5321	8418 *	12314 *	16584 *	22017 *	28239 *	35120 *	42354 *	48176 *
-5.0	3260	5130	7898 *	11479 *	15375 *	20058 *	25435 *	31560 *	37354 *	42386 *
-7.0	3102	4816	7392 *	10598 *	13875 *	17677 *	22340 *	27218 *	31707 *	36249 *
-9.0	2861	4383	6697 *	9441 *	12074 *	15505 *	19109 *	22653 *	26559 *	30016 *
-11.0	2569	3861	5823 *	8145 *	10501 *	13010 *	15808 *	18728 *	21469 *	23962 *
-13.0	2338	3461	5083	6984 *	8692 *	10743 *	12851 *	15033 *	16933 *	18796 *
-15.0	2086	3002	4358	5745	7213 *	8646 *	10332 *	11737 *	13310 *	14464 *
-17.0	1830	2555	3659	4824	5829 *	7027 *	8142 *	9347 *	10319 *	10970 *
-19.5	1584	2119	2888	3691	4440	5242	6008 *	6852 *	7476 *	7942 *
-22.5	1207	1588	2106	2537	3011	3462	3862	4364	4766	5078
-25.5	897	1102	1396	1591	1877	2130	2289	2602	2824	2959
-29.0	651	780	917	1060	1156	1296	1410	1477	1550	1651
-33.0	487	545	613	680	741	790	832	875	917	951
-37.5	350	382	407	421	431	459	480	494	503	503
-42.5	263	287	311	330	343	355	367	376	383	390
-47.5	201	216	240	257	267	278	290	297	304	309
-55.0	59	62	65	71	75	79	83	85	86	86
-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

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**CANDELA TABULATION - (Cont.)**

55.0	105	101	99	101	105	103	101	98	94	90
47.5	292	291	290	291	292	288	286	282	277	268
42.5	381	381	381	381	381	378	375	370	363	350
37.5	634	647	649	647	634	634	626	610	586	559
33.0	1326	1341	1340	1341	1326	1284	1225	1153	1067	978
29.0	2485	2529	2526	2529	2485	2373	2216	2066	1917	1729
25.5	4391	4434	4412	4434	4391	4222	3946	3588	3156	2859
22.5	7224 *	7432 *	7425 *	7432 *	7224 *	6864 *	6357 *	5770	5097	4422
19.5	10796 *	11159 *	11197 *	11159 *	10796 *	10144 *	9397 *	8448 *	7343 *	6360 *
17.0	14916 *	15415 *	15435 *	15415 *	14916 *	13957 *	12700 *	11277 *	9646 *	8212 *
15.0	19203 *	19794 *	19681 *	19794 *	19203 *	17992 *	16144 *	13988 *	12095 *	9922 *
13.0	24650 *	25504 *	25455 *	25504 *	24650 *	22957 *	20337 *	17701 *	14830 *	12140 *
11.0	30938 *	32201 *	32159 *	32201 *	30938 *	28768 *	25268 *	21645 *	17951 *	14432 *
9.0	37899 *	39403 *	39744 *	39403 *	37899 *	34777 *	30446 *	25696 *	21226 *	16898 *
7.0	45028 *	46708 *	47490 *	46708 *	45028 *	40725 *	35532 *	30060 *	24432 *	19215 *
5.0	50677 *	53630 *	54012 *	53630 *	50677 *	46205 *	40772 *	34016 *	27307 *	21374 *
3.0	54712 *	57000 *	57553 *	57000 *	54712 *	50730 *	44194 *	36749 *	29552 *	22890 *
1.0	56963 *	57874 *	57924 *	57874 *	56963 *	53071 *	45952 *	38102 *	30388 *	23521 *
0.0	57154 *	57832 *	57582 *	57832 *	57154 *	52946 *	45989 *	38366 *	30829 *	23844 *
-1.0	56141 *	57076 *	57089 *	57076 *	56141 *	52128 *	44900 *	37408 *	30042 *	23303 *
-3.0	52118 *	54491 *	54981 *	54491 *	52118 *	48176 *	42354 *	35120 *	28239 *	22017 *
-5.0	46860 *	49353 *	49506 *	49353 *	46860 *	42386 *	37354 *	31560 *	25435 *	20058 *
-7.0	39829 *	41306 *	41847 *	41306 *	39829 *	36249 *	31707 *	27218 *	22340 *	17677 *
-9.0	32485 *	33784 *	34280 *	33784 *	32485 *	30016 *	26559 *	22653 *	19109 *	15505 *
-11.0	25809 *	26847 *	27245 *	26847 *	25809 *	23962 *	21469 *	18728 *	15808 *	13010 *
-13.0	20072 *	20780 *	21061 *	20780 *	20072 *	18796 *	16933 *	15033 *	12851 *	10743 *
-15.0	15276 *	15814 *	15927 *	15814 *	15276 *	14464 *	13310 *	11737 *	10332 *	8646 *
-17.0	11597 *	12031 *	12177 *	12031 *	11597 *	10970 *	10319 *	9347 *	8142 *	7027 *
-19.5	8339 *	8497 *	8457 *	8497 *	8339 *	7942 *	7476 *	6852 *	6008 *	5242
-22.5	5292	5354	5283	5354	5292	5078	4766	4364	3862	3462
-25.5	3023	3018	2992	3018	3023	2959	2824	2602	2289	2130
-29.0	1711	1732	1727	1732	1711	1651	1550	1477	1410	1296
-33.0	974	986	987	986	974	951	917	875	832	790
-37.5	497	496	494	496	497	503	503	494	480	459
-42.5	397	395	394	395	397	390	383	376	367	355
-47.5	315	314	313	314	315	309	304	297	290	278
-55.0	87	84	83	84	87	86	86	85	83	79
-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. 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	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	87	83	78	72	67	58	53	44	30	22
47.5	258	249	233	211	194	170	142	119	90	65
42.5	334	316	301	274	247	224	189	157	122	93
37.5	529	496	447	393	353	306	255	212	162	130
33.0	904	819	716	611	516	419	353	283	216	168
29.0	1502	1327	1108	903	720	580	447	358	264	208
25.5	2482	2085	1727	1351	1003	741	556	424	325	236

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**CANDELA TABULATION - (Cont.)**

22.5	3778	3097	2418	1810	1318	945	653	476	357	265
19.5	5242	4259	3212	2285	1621	1109	734	523	382	288
17.0	6621 *	5370	3954	2707	1875	1260	796	551	400	304
15.0	8074 *	6316 *	4613	3133	2117	1365	850	566	415	312
13.0	9523 *	7506 *	5388	3556	2357	1494	895	587	427	319
11.0	11315 *	8589 *	6087 *	3927	2587	1614	955	608	435	324
9.0	12953 *	9977 *	6981 *	4464	2855	1722	1013	629	442	329
7.0	14725 *	11033 *	7615 *	4852	3082	1819	1057	645	446	332
5.0	16154 *	11809 *	8073 *	5133	3243	1897	1085	655	448	334
3.0	17084 *	12531 *	8527 *	5312	3336	1936	1099	662	454	338
1.0	17555 *	12954 *	8788 *	5376	3366	1980	1119	666	455	337
0.0	17592 *	13046 *	8848 *	5335	3355	1991	1124	666	456	337
-1.0	17462 *	12895 *	8755 *	5383	3372	2005	1124	667	457	339
-3.0	16584 *	12314 *	8418 *	5321	3352	2002	1116	664	459	342
-5.0	15375 *	11479 *	7898 *	5130	3260	1943	1117	666	456	341
-7.0	13875 *	10598 *	7392 *	4816	3102	1843	1104	669	458	341
-9.0	12074 *	9441 *	6697 *	4383	2861	1737	1073	666	459	340
-11.0	10501 *	8145 *	5823 *	3861	2569	1646	1018	658	457	337
-13.0	8692 *	6984 *	5083	3461	2338	1521	958	642	454	333
-15.0	7213 *	5745	4358	3002	2086	1364	911	617	446	328
-17.0	5829 *	4824	3659	2555	1830	1255	856	599	433	321
-19.5	4440	3691	2888	2119	1584	1092	769	578	413	303
-22.5	3011	2537	2106	1588	1207	910	671	531	383	279
-25.5	1877	1591	1396	1102	897	723	575	459	346	252
-29.0	1156	1060	917	780	651	562	472	385	292	218
-33.0	741	680	613	545	487	433	376	309	237	178
-37.5	431	421	407	382	350	322	279	233	180	139
-42.5	343	330	311	287	263	238	204	174	136	104
-47.5	267	257	240	216	201	178	152	132	97	73
-55.0	75	71	65	62	59	52	47	39	28	20
-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	22	8	4	1	0
42.5	40	10	5	1	0
37.5	64	12	5	2	0
33.0	90	13	6	2	0
29.0	115	14	6	2	0
25.5	139	15	7	2	0
22.5	159	20	7	2	0
19.5	171	25	7	2	0
17.0	179	28	7	2	0
15.0	184	31	8	2	0
13.0	189	33	8	2	0
11.0	192	34	8	2	0
9.0	195	36	8	2	0

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-50-80-FGS.IES**

**CANDELA TABULATION - (Cont.)**

7.0	197	37	8	2	0
5.0	199	38	8	2	0
3.0	201	38	8	2	0
1.0	201	38	8	2	0
0.0	201	38	8	2	0
-1.0	202	38	8	2	0
-3.0	203	38	8	2	0
-5.0	201	37	8	2	0
-7.0	200	36	8	2	0
-9.0	198	34	8	2	0
-11.0	195	33	8	2	0
-13.0	191	32	8	2	0
-15.0	186	30	8	2	0
-17.0	180	28	7	2	0
-19.5	171	25	7	2	0
-22.5	158	21	7	2	0
-25.5	140	17	7	2	0
-29.0	118	16	6	2	0
-33.0	95	14	6	2	0
-37.5	70	12	5	2	0
-42.5	45	10	5	1	0
-47.5	24	8	4	1	0
-55.0	10	6	3	1	0
-65.0	5	4	2	1	0
-75.0	4	2	2	1	0
-85.0	4	2	1	0	0
-90.0	0	0	0	0	0

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-50-80-FGS.IES**

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 6241.13

Total Field Lumens (one side of beam only) = 5111.54

\* 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	0.08	0.07	0.07	0.08
55	0.18	0.37	0.37	0.37	0.35	0.34	0.33	0.31	0.30	0.35
47.5	0.45	0.90	0.90	0.88	0.87	0.84	0.81	0.78	0.74	0.87
42.5	0.51	1.02	1.02	1.00	0.99	0.97	0.94	0.89	0.85	0.99
37.5	0.78	1.55	1.54	1.52	1.49	1.45	1.38	1.31	1.23	1.41
33	1.36	2.70	2.65	2.57	2.45	2.31	2.14	1.98	1.81	2.02
29	2.36	4.68	4.54	4.30	4.02	3.72	3.39	3.02	2.67	2.87
25.5	3.70	7.37	7.16	6.76	6.24	5.63	5.04	4.43	3.79	3.95
22.5	5.41 *	10.72 *	10.35	9.72	8.90	7.92	6.94	6.00	5.03	5.06
19.5	8.50 *	16.72 *	15.97 *	14.89 *	13.56 *	12.00 *	10.38 *	8.78	7.19	7.04
17	10.13 *	19.90 *	18.92 *	17.49 *	15.77 *	13.77 *	11.75 *	9.77 *	7.87	7.59
15	10.71 *	21.10 *	20.08 *	18.42 *	16.32 *	14.10 *	11.88 *	9.70 *	7.72 *	7.32
13	13.77 *	27.14 *	25.77 *	23.46 *	20.56 *	17.58 *	14.60 *	11.72 *	9.20 *	8.61 *
11	17.56 *	34.49 *	32.61 *	29.48 *	25.62 *	21.64 *	17.68 *	14.01 *	10.81 *	9.97 *
9	21.86 *	42.75 *	40.23 *	36.13 *	31.09 *	25.95 *	21.01 *	16.43 *	12.54 *	11.44 *
7	26.40 *	51.46 *	48.14 *	42.86 *	36.72 *	30.42 *	24.36 *	18.85 *	14.26 *	12.87 *
5	30.74 *	59.68 *	55.50 *	49.45 *	42.34 *	34.74 *	27.51 *	21.12 *	15.73 *	13.93 *
3	33.84 *	65.76 *	61.48 *	55.10 *	46.97 *	38.28 *	30.13 *	22.91 *	16.86 *	14.80 *
1	35.08 *	68.97 *	65.47 *	58.75 *	49.77 *	40.43 *	31.69 *	23.95 *	17.60 *	15.48 *
0	17.61 *	34.98 *	33.44 *	29.98 *	25.40 *	20.65 *	16.18 *	12.19 *	8.95 *	7.89 *
-1	17.48 *	34.73 *	33.18 *	29.68 *	25.14 *	20.50 *	16.09 *	12.15 *	8.93 *	7.87 *
	34.06 *	66.92 *	63.37 *	56.82 *	48.20 *	39.24 *	30.87 *	23.46 *	17.35 *	15.32 *



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-50-80-FGS.IES**

**LUMENS TABULATION - (Cont.)**

<b>-3</b>	31.73 *	61.74 *	57.59 *	51.58 *	44.16 *	36.10 *	28.53 *	21.88 *	16.32 *	14.50 *
<b>-5</b>	27.72 *	53.99 *	50.24 *	44.74 *	38.56 *	31.96 *	25.48 *	19.80 *	15.03 *	13.51 *
<b>-7</b>	23.03 *	44.87 *	42.11 *	37.72 *	32.62 *	27.39 *	22.24 *	17.48 *	13.47 *	12.34 *
<b>-9</b>	18.60 *	36.20 *	34.11 *	30.90 *	26.97 *	22.89 *	18.90 *	15.10 *	11.76 *	10.89 *
<b>-11</b>	14.61 *	28.47 *	26.93 *	24.59 *	21.77 *	18.72 *	15.62 *	12.69 *	10.05 *	9.41 *
<b>-13</b>	11.21 *	21.90 *	20.85 *	19.24 *	17.20 *	14.98 *	12.68 *	10.43 *	8.38 *	8.02
<b>-15</b>	8.52 *	16.66 *	15.89 *	14.86 *	13.49 *	11.87 *	10.17 *	8.49 *	6.91 *	6.72
<b>-17</b>	7.84 *	15.40 *	14.76 *	13.90 *	12.82 *	11.38 *	9.84 *	8.33	6.87	6.81
<b>-19.5</b>	6.30 *	12.55 *	12.15 *	11.48 *	10.61 *	9.49	8.30	7.16	6.01	6.09
<b>-22.5</b>	3.80	7.62	7.45	7.10	6.59	5.90	5.25	4.65	3.96	4.14
<b>-25.5</b>	2.52	5.05	4.97	4.76	4.46	4.08	3.72	3.34	2.91	3.14
<b>-29</b>	1.65	3.29	3.21	3.07	2.91	2.76	2.58	2.35	2.13	2.36
<b>-33</b>	1.02	2.02	2.00	1.96	1.89	1.81	1.72	1.61	1.50	1.73
<b>-37.5</b>	0.68	1.36	1.36	1.35	1.32	1.29	1.24	1.17	1.12	1.33
<b>-42.5</b>	0.54	1.08	1.07	1.05	1.03	1.00	0.96	0.92	0.88	1.03
<b>-47.5</b>	0.45	0.91	0.91	0.89	0.87	0.85	0.82	0.77	0.74	0.86
<b>-55</b>	0.15	0.31	0.31	0.31	0.31	0.30	0.29	0.27	0.26	0.30
<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>	453.01	887.58	838.83	759.39	660.58	555.50	453.65	360.46	279.95	261.12

**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>	0.38	0.35	0.36	0.36	0.33	0.27	0.18	0.16	0.10	0.04
<b>55</b>	0.95	0.85	0.87	0.83	0.75	0.62	0.42	0.32	0.13	0.04

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-50-80-FGS.IES**

**LUMENS TABULATION - (Cont.)**

<b>47.5</b>										
	1.09	0.97	0.99	0.95	0.85	0.71	0.50	0.39	0.15	0.04
<b>42.5</b>										
	1.51	1.32	1.34	1.27	1.14	0.95	0.68	0.58	0.24	0.04
<b>37.5</b>										
	2.08	1.76	1.70	1.57	1.39	1.15	0.82	0.73	0.31	0.04
<b>33</b>										
	2.85	2.30	2.12	1.88	1.61	1.31	0.92	0.83	0.35	0.04
<b>29</b>										
	3.80	2.90	2.52	2.12	1.75	1.40	0.97	0.87	0.38	0.04
<b>25.5</b>										
	4.67	3.43	2.85	2.27	1.77	1.38	0.96	0.86	0.38	0.04
<b>22.5</b>										
	6.22	4.40	3.55	2.69	2.00	1.52	1.04	0.95	0.43	0.05
<b>19.5</b>										
	6.48	4.43	3.47	2.54	1.82	1.35	0.92	0.84	0.38	0.04
<b>17</b>										
	6.14	4.10	3.14	2.23	1.55	1.13	0.77	0.70	0.32	0.04
<b>15</b>										
	7.12	4.66	3.47	2.40	1.62	1.16	0.79	0.72	0.33	0.04
<b>13</b>										
	8.09	5.19	3.82	2.59	1.70	1.20	0.81	0.73	0.34	0.04
<b>11</b>										
	9.15	5.77	4.16	2.77	1.79	1.23	0.82	0.74	0.35	0.04
<b>9</b>										
	10.20 *	6.37	4.49	2.93	1.87	1.26	0.83	0.75	0.35	0.05
<b>7</b>										
	10.95 *	6.81	4.76	3.06	1.93	1.28	0.84	0.76	0.36	0.05
<b>5</b>										
	11.54 *	7.11	4.93	3.14	1.96	1.29	0.85	0.77	0.36	0.05
<b>3</b>										
	11.94 *	7.26	5.03	3.20	1.98	1.30	0.85	0.77	0.36	0.05
<b>1</b>										
	6.05 *	3.64	2.53	1.62	1.00	0.65	0.43	0.38	0.18	0.02
<b>0</b>										
	6.04 *	3.64	2.54	1.63	1.00	0.65	0.43	0.39	0.18	0.02
<b>-1</b>										
	11.89 *	7.27	5.08	3.26	2.00	1.31	0.86	0.78	0.37	0.05
<b>-3</b>										
	11.42 *	7.12	5.00	3.23	1.99	1.31	0.86	0.78	0.36	0.05
<b>-5</b>										
	10.76 *	6.81	4.81	3.14	1.99	1.31	0.86	0.77	0.36	0.05
<b>-7</b>										
	9.93 *	6.33	4.52	3.01	1.97	1.31	0.86	0.77	0.36	0.04
<b>-9</b>										
	8.86	5.71	4.18	2.86	1.91	1.31	0.86	0.76	0.35	0.04
<b>-11</b>										
	7.77	5.10	3.83	2.69	1.83	1.29	0.85	0.75	0.34	0.04
<b>-13</b>										
	6.78	4.54	3.46	2.48	1.75	1.26	0.84	0.74	0.33	0.04
<b>-15</b>										
	5.79	3.95	3.10	2.29	1.67	1.22	0.82	0.73	0.32	0.04
<b>-17</b>										
	5.98	4.22	3.41	2.59	1.96	1.47	0.99	0.87	0.38	0.04
<b>-19.5</b>										
	5.57	4.07	3.41	2.70	2.14	1.67	1.11	0.98	0.43	0.05

IES FLOOD REPORT  
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-50-80-FGS.IES

LUMENS TABULATION - (Cont.)

<b>-22.5</b>	3.96	3.00	2.66	2.25	1.88	1.50	1.02	0.89	0.38	0.04
<b>-25.5</b>	3.13	2.51	2.35	2.13	1.85	1.51	1.04	0.91	0.39	0.04
<b>-29</b>	2.44	2.06	2.02	1.92	1.73	1.43	1.00	0.87	0.37	0.04
<b>-33</b>	1.87	1.66	1.70	1.66	1.51	1.26	0.89	0.77	0.33	0.04
<b>-37.5</b>	1.48	1.34	1.39	1.36	1.25	1.05	0.75	0.64	0.26	0.04
<b>-42.5</b>	1.12	1.01	1.04	1.01	0.93	0.79	0.55	0.44	0.17	0.04
<b>-47.5</b>	0.93	0.84	0.87	0.84	0.78	0.65	0.44	0.34	0.14	0.04
<b>-55</b>	0.33	0.30	0.32	0.31	0.29	0.24	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>	217.58	145.39	112.11	82.10	59.56	44.04	29.87	26.48	11.96	1.68

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	5.80	
<b>55</b>				
	0.01	0.00	13.83	
<b>47.5</b>				
	0.01	0.00	15.82	
<b>42.5</b>				
	0.01	0.00	22.76	
<b>37.5</b>				
	0.01	0.00	33.53	
<b>33</b>				
	0.01	0.00	49.78	
<b>29</b>				
	0.01	0.00	70.85	
<b>25.5</b>				
	0.01	0.00	94.67	
<b>22.5</b>				
	0.01	0.00	137.88	
<b>19.5</b>				
	0.01	0.00	155.25	
<b>17</b>				
	0.01	0.00	157.48	

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-50-80-FGS.IES**

**LUMENS TABULATION - (Cont.)**

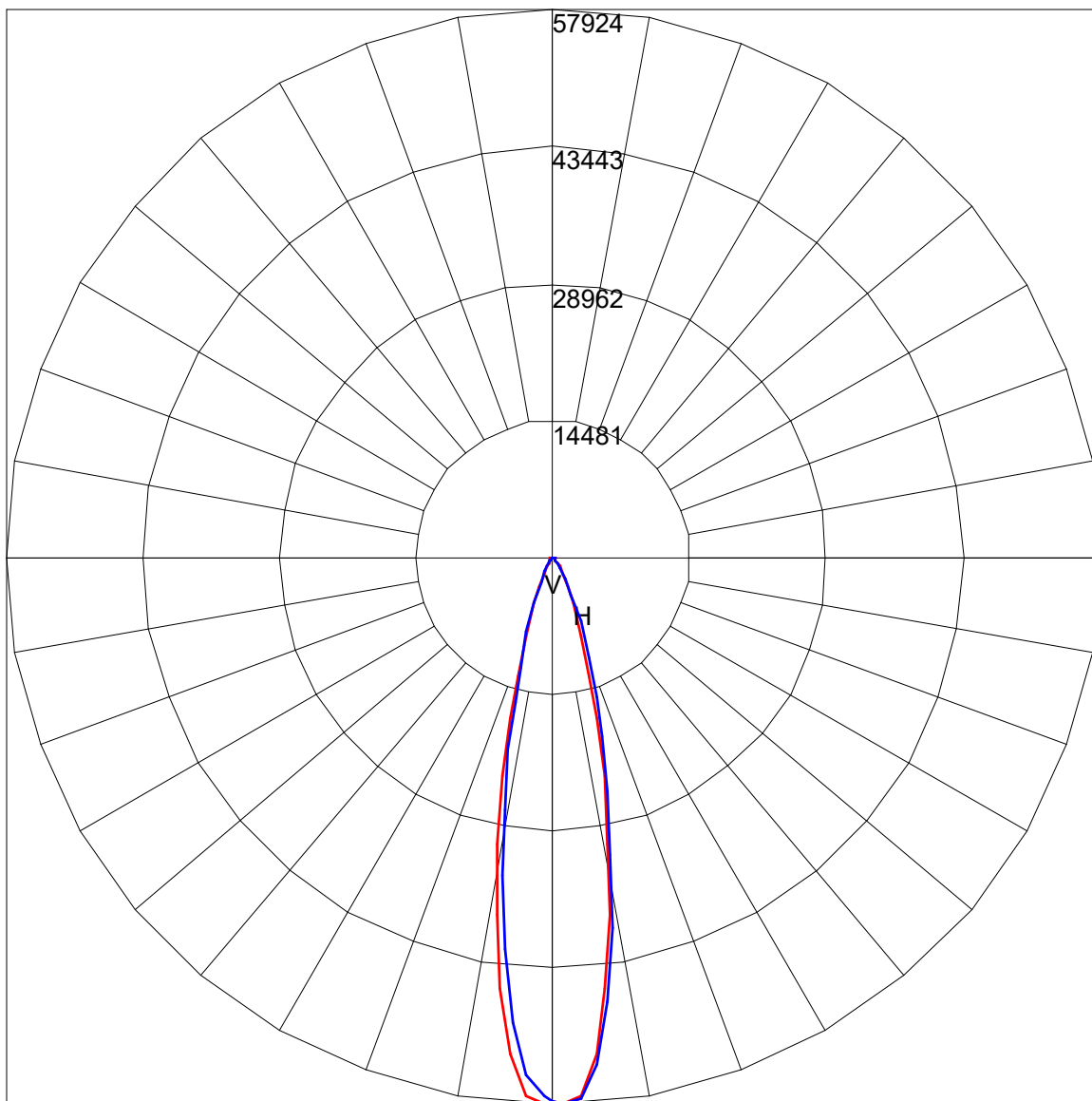
<b>15</b>	0.01	0.00	194.74
<b>13</b>	0.01	0.00	238.40
<b>11</b>	0.01	0.00	286.27
<b>9</b>	0.01	0.00	335.46
<b>7</b>	0.01	0.00	381.53
<b>5</b>	0.01	0.00	418.14
<b>3</b>	0.01	0.00	439.96
<b>1</b>	0.00	0.00	223.79
<b>0</b>	0.00	0.00	222.28
<b>-1</b>	0.01	0.00	428.48
<b>-3</b>	0.01	0.00	396.26
<b>-5</b>	0.01	0.00	351.89
<b>-7</b>	0.01	0.00	302.37
<b>-9</b>	0.01	0.00	253.16
<b>-11</b>	0.01	0.00	207.37
<b>-13</b>	0.01	0.00	167.13
<b>-15</b>	0.01	0.00	133.52
<b>-17</b>	0.01	0.00	129.87
<b>-19.5</b>	0.01	0.00	112.25
<b>-22.5</b>	0.01	0.00	74.05
<b>-25.5</b>	0.01	0.00	54.83
<b>-29</b>	0.01	0.00	40.20
<b>-33</b>	0.01	0.00	28.94
<b>-37.5</b>	0.01	0.00	21.78
<b>-42.5</b>	0.01	0.00	16.64
<b>-47.5</b>	0.01	0.00	13.95
<b>-55</b>	0.01	0.00	5.08
<b>-65</b>	0.01	0.00	1.37

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-50-80-FGS.IES**

**LUMENS TABULATION - (Cont.)**

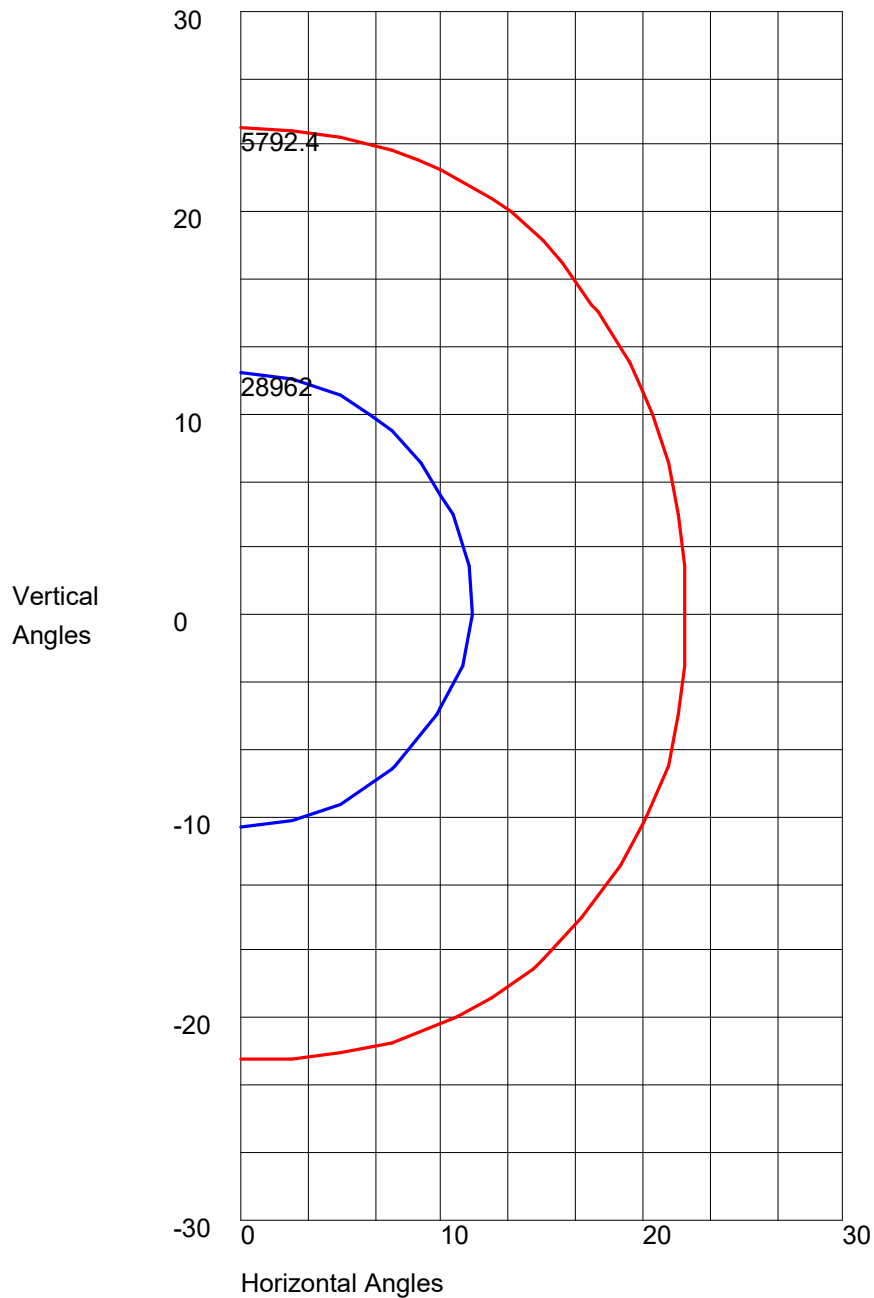
<b>-75</b>	0.01	0.00	0.85
<b>-85</b>	0.00	0.00	0.20
<b>-90</b>			
<b>Total</b>	0.28	0.01	6241.13

AXIAL CANDELA DISPLAY



Maximum Candela = 57924 Located At Horizontal Angle = 0, Vertical Angle = 1  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 57924 Located At Horizontal Angle = 0, Vertical Angle = 1  
50% Maximum Candela = 28962  
10% Maximum Candela = 5792.4