



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-50-80-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-50-80-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	50853
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	4450
Beam Efficiency	N.A.
Field Lumens	8953
Field Efficiency	N.A.
Spill Lumens	2278
Luminaire Lumens	11231
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	86	65	1
55	218	55	4
47.5	350	47.5	123
42.5	446	42.5	294
37.5	634	37.5	448
33	1042	33	919
29	1862	29	1831
25.5	3110	25.5	3307
22.5	4896	22.5	5509
19.5	8035	19.5	9418
17	11696	17	13165
15	15583	15	17247
13	20731	13	22319
11	26762	11	28258
9	33395	9	34646
7	40158	7	41021
5	46381	5	46877
3	50179	3	50263
1	50853	1	50845
0	50669	0	50669
-1	50853	-1	50328
-3	50179	-3	48646
-5	46381	-5	43965
-7	40158	-7	37231
-9	33395	-9	30525
-11	26762	-11	24285
-13	20731	-13	18811
-15	15583	-15	14262
-17	11696	-17	10828
-19.5	8035	-19.5	7732
-22.5	4896	-22.5	4919
-25.5	3110	-25.5	3155
-29	1862	-29	1934
-33	1042	-33	1211
-37.5	634	-37.5	749
-42.5	446	-42.5	730
-47.5	350	-47.5	594
-55	218	-55	408
-65	86	-65	212
-75	13	-75	73
-85	2	-85	13
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 50853

Beam Edge = 25426.5 Cd (50% of Max.)

Field Edge = 5085.3 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	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	24	37	50	63	74
42.5	0	1	3	7	23	56	77	100	126	151
37.5	0	1	4	10	47	88	115	148	178	209
33.0	0	1	5	16	71	118	157	187	237	287
29.0	0	1	5	24	94	153	201	252	316	417
25.5	0	1	6	32	115	188	245	315	407	549
22.5	0	2	6	39	133	220	283	373	499	723
19.5	0	2	7	46	150	251	320	431	590	905
17.0	0	2	8	52	163	275	349	467	683	1071
15.0	0	2	8	56	172	287	373	491	746	1197
13.0	0	2	9	60	181	298	390	525	793	1319
11.0	0	2	10	64	189	308	404	554	848	1426
9.0	0	2	10	69	197	317	415	575	898	1518
7.0	0	2	11	73	204	325	423	595	946	1597
5.0	0	2	12	77	209	332	428	609	990	1704
3.0	0	2	12	81	214	341	438	621	1021	1778
1.0	0	2	13	84	217	347	443	631	1038	1842
0.0	0	2	13	86	218	350	446	634	1042	1862
-1.0	0	2	13	88	220	353	449	638	1054	1867
-3.0	0	2	14	91	224	358	456	643	1068	1853
-5.0	0	2	15	93	226	360	460	648	1071	1818
-7.0	0	2	15	95	229	362	467	652	1060	1745
-9.0	0	2	15	96	230	364	472	652	1035	1658
-11.0	0	2	16	97	231	364	474	646	988	1563
-13.0	0	2	16	97	231	364	473	636	930	1447
-15.0	0	2	16	97	230	362	469	618	886	1312
-17.0	0	2	16	97	228	360	464	609	840	1213
-19.5	0	2	16	95	225	355	458	595	778	1074
-22.5	0	2	17	93	220	346	447	572	712	932
-25.5	0	2	16	91	214	334	433	542	657	798
-29.0	0	2	16	88	205	317	412	511	603	701
-33.0	0	2	15	83	191	293	381	475	560	630
-37.5	0	2	14	76	175	269	343	424	502	566
-42.5	0	2	12	67	157	236	300	365	428	489
-47.5	0	2	10	57	136	202	254	311	358	407
-55.0	0	1	8	40	100	148	180	217	247	271
-65.0	0	1	5	17	56	85	104	123	141	154
-75.0	0	1	4	7	17	26	35	40	44	49
-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	84	95	104	110	114	117	118	121	122	121
42.5	178	196	216	234	243	252	262	271	280	287
37.5	248	279	318	347	366	390	409	424	437	445
33.0	361	425	493	568	624	672	737	806	862	900
29.0	526	669	821	961	1076	1243	1394	1511	1622	1725
25.5	766	1012	1289	1571	1865	2150	2384	2707	2981	3178
22.5	1034	1394	1868	2392	2883	3386	3882	4431	4831	5134 *
19.5	1344	1875	2645	3497	4261	5185 *	6002 *	7014 *	7842 *	8481 *
17.0	1603	2362	3412	4594	5625 *	6910 *	8160 *	9705 *	11004 *	11988 *
15.0	1849	2762	4060	5477 *	6876 *	8379 *	10290 *	12056 *	13996 *	15491 *
13.0	2089	3162	4755	6604 *	8228 *	10282 *	12609 *	15061 *	17404 *	19698 *
11.0	2288	3516	5375 *	7612 *	9858 *	12362 *	15293 *	18440 *	21527 *	24537 *
9.0	2524	3937	6129 *	8754 *	11220 *	14585 *	18258 *	21988 *	26205 *	29871 *
7.0	2716	4265	6732 *	9704 *	12777 *	16477 *	21111 *	26013 *	31000 *	35363 *
5.0	2878	4503	7138 *	10383 *	13981 *	18414 *	23678 *	29422 *	35160 *	40383 *
3.0	3007	4721	7672 *	11081 *	14847 *	19635 *	25530 *	32037 *	38646 *	44119 *
1.0	3089	4871	8010 *	11677 *	15655 *	20737 *	26762 *	33363 *	40097 *	46769 *
0.0	3110	4896	8035 *	11696 *	15583 *	20731 *	26762 *	33395 *	40158 *	46381 *
-1.0	3106	4900	7920 *	11493 *	15326 *	20187 *	26205 *	32890 *	39623 *	46055 *
-3.0	3065	4817	7622 *	10990 *	14822 *	19538 *	25082 *	31022 *	37209 *	42623 *
-5.0	2994	4672	7205 *	10282 *	13908 *	18010 *	22569 *	27790 *	33193 *	37581 *
-7.0	2865	4437	6808 *	9647 *	12613 *	15913 *	19860 *	24126 *	28023 *	32418 *
-9.0	2668	4134	6282 *	8675 *	10988 *	13891 *	16942 *	20018 *	23731 *	26796 *
-11.0	2401	3724	5494 *	7479 *	9550 *	11640 *	13963 *	16706 *	19328 *	21544 *
-13.0	2192	3291	4747	6394 *	7875 *	9565 *	11458 *	13547 *	15289 *	16900 *
-15.0	1975	2847	4035	5238 *	6512 *	7779 *	9297 *	10586 *	12007 *	12989 *
-17.0	1752	2455	3407	4407	5283 *	6374 *	7340 *	8417 *	9279 *	9859 *
-19.5	1527	2025	2706	3416	4067	4820	5477 *	6180 *	6696 *	7066 *
-22.5	1224	1578	2023	2445	2854	3254	3605	4055	4382	4609
-25.5	974	1203	1482	1714	1967	2207	2393	2642	2842	2984
-29.0	803	929	1079	1226	1340	1483	1605	1703	1800	1885
-33.0	690	756	825	893	952	1004	1064	1122	1166	1195
-37.5	607	638	669	681	689	719	737	746	753	754
-42.5	534	576	613	641	656	672	690	703	713	724
-47.5	449	483	518	541	555	567	578	585	589	591
-55.0	300	320	340	359	373	386	393	399	403	407
-65.0	167	176	186	193	199	204	207	210	211	213
-75.0	53	57	61	64	66	68	70	72	73	75
-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	122	123	123	123	122	121	122	121	118	117
42.5	295	294	294	294	295	287	280	271	262	252
37.5	450	450	448	450	450	445	437	424	409	390
33.0	920	923	919	923	920	900	862	806	737	672
29.0	1794	1829	1831	1829	1794	1725	1622	1511	1394	1243
25.5	3286	3317	3307	3317	3286	3178	2981	2707	2384	2150
22.5	5379 *	5518 *	5509 *	5518 *	5379 *	5134 *	4831	4431	3882	3386
19.5	8891 *	9214 *	9418 *	9214 *	8891 *	8481 *	7842 *	7014 *	6002 *	5185 *
17.0	12710 *	13076 *	13165 *	13076 *	12710 *	11988 *	11004 *	9705 *	8160 *	6910 *
15.0	16418 *	16886 *	17247 *	16886 *	16418 *	15491 *	13996 *	12056 *	10290 *	8379 *
13.0	21183 *	21698 *	22319 *	21698 *	21183 *	19698 *	17404 *	15061 *	12609 *	10282 *
11.0	26704 *	27640 *	28258 *	27640 *	26704 *	24537 *	21527 *	18440 *	15293 *	12362 *
9.0	32613 *	34075 *	34646 *	34075 *	32613 *	29871 *	26205 *	21988 *	18258 *	14585 *
7.0	38711 *	40451 *	41021 *	40451 *	38711 *	35363 *	31000 *	26013 *	21111 *	16477 *
5.0	44090 *	46631 *	46877 *	46631 *	44090 *	40383 *	35160 *	29422 *	23678 *	18414 *
3.0	47918 *	49712 *	50263 *	49712 *	47918 *	44119 *	38646 *	32037 *	25530 *	19635 *
1.0	50186 *	50812 *	50845 *	50812 *	50186 *	46769 *	40097 *	33363 *	26762 *	20737 *
0.0	50179 *	50853 *	50669 *	50853 *	50179 *	46381 *	40158 *	33395 *	26762 *	20731 *
-1.0	49455 *	50325 *	50328 *	50325 *	49455 *	46055 *	39623 *	32890 *	26205 *	20187 *
-3.0	46310 *	48405 *	48646 *	48405 *	46310 *	42623 *	37209 *	31022 *	25082 *	19538 *
-5.0	41519 *	44007 *	43965 *	44007 *	41519 *	37581 *	33193 *	27790 *	22569 *	18010 *
-7.0	35417 *	37026 *	37231 *	37026 *	35417 *	32418 *	28023 *	24126 *	19860 *	15913 *
-9.0	29107 *	30394 *	30525 *	30394 *	29107 *	26796 *	23731 *	20018 *	16942 *	13891 *
-11.0	23122 *	24201 *	24285 *	24201 *	23122 *	21544 *	19328 *	16706 *	13963 *	11640 *
-13.0	17933 *	18736 *	18811 *	18736 *	17933 *	16900 *	15289 *	13547 *	11458 *	9565 *
-15.0	13699 *	14243 *	14262 *	14243 *	13699 *	12989 *	12007 *	10586 *	9297 *	7779 *
-17.0	10424 *	10784 *	10828 *	10784 *	10424 *	9859 *	9279 *	8417 *	7340 *	6374 *
-19.5	7504 *	7723 *	7732 *	7723 *	7504 *	7066 *	6696 *	6180 *	5477 *	4820
-22.5	4760	4881	4919	4881	4760	4609	4382	4055	3605	3254
-25.5	3067	3130	3155	3130	3067	2984	2842	2642	2393	2207
-29.0	1939	1945	1934	1945	1939	1885	1800	1703	1605	1483
-33.0	1212	1215	1211	1215	1212	1195	1166	1122	1064	1004
-37.5	751	750	749	750	751	754	753	746	737	719
-42.5	734	731	730	731	734	724	713	703	690	672
-47.5	593	594	594	594	593	591	589	585	578	567
-55.0	410	409	408	409	410	407	403	399	393	386
-65.0	213	212	212	212	213	213	211	210	207	204
-75.0	74	73	73	73	74	75	73	72	70	68
-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	114	110	104	95	84	74	63	50	37	24
42.5	243	234	216	196	178	151	126	100	77	56
37.5	366	347	318	279	248	209	178	148	115	88
33.0	624	568	493	425	361	287	237	187	157	118
29.0	1076	961	821	669	526	417	316	252	201	153
25.5	1865	1571	1289	1012	766	549	407	315	245	188

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CANDELA TABULATION - (Cont.)

22.5	2883	2392	1868	1394	1034	723	499	373	283	220
19.5	4261	3497	2645	1875	1344	905	590	431	320	251
17.0	5625 *	4594	3412	2362	1603	1071	683	467	349	275
15.0	6876 *	5477 *	4060	2762	1849	1197	746	491	373	287
13.0	8228 *	6604 *	4755	3162	2089	1319	793	525	390	298
11.0	9858 *	7612 *	5375 *	3516	2288	1426	848	554	404	308
9.0	11220 *	8754 *	6129 *	3937	2524	1518	898	575	415	317
7.0	12777 *	9704 *	6732 *	4265	2716	1597	946	595	423	325
5.0	13981 *	10383 *	7138 *	4503	2878	1704	990	609	428	332
3.0	14847 *	11081 *	7672 *	4721	3007	1778	1021	621	438	341
1.0	15655 *	11677 *	8010 *	4871	3089	1842	1038	631	443	347
0.0	15583 *	11696 *	8035 *	4896	3110	1862	1042	634	446	350
-1.0	15326 *	11493 *	7920 *	4900	3106	1867	1054	638	449	353
-3.0	14822 *	10990 *	7622 *	4817	3065	1853	1068	643	456	358
-5.0	13908 *	10282 *	7205 *	4672	2994	1818	1071	648	460	360
-7.0	12613 *	9647 *	6808 *	4437	2865	1745	1060	652	467	362
-9.0	10988 *	8675 *	6282 *	4134	2668	1658	1035	652	472	364
-11.0	9550 *	7479 *	5494 *	3724	2401	1563	988	646	474	364
-13.0	7875 *	6394 *	4747	3291	2192	1447	930	636	473	364
-15.0	6512 *	5238 *	4035	2847	1975	1312	886	618	469	362
-17.0	5283 *	4407	3407	2455	1752	1213	840	609	464	360
-19.5	4067	3416	2706	2025	1527	1074	778	595	458	355
-22.5	2854	2445	2023	1578	1224	932	712	572	447	346
-25.5	1967	1714	1482	1203	974	798	657	542	433	334
-29.0	1340	1226	1079	929	803	701	603	511	412	317
-33.0	952	893	825	756	690	630	560	475	381	293
-37.5	689	681	669	638	607	566	502	424	343	269
-42.5	656	641	613	576	534	489	428	365	300	236
-47.5	555	541	518	483	449	407	358	311	254	202
-55.0	373	359	340	320	300	271	247	217	180	148
-65.0	199	193	186	176	167	154	141	123	104	85
-75.0	66	64	61	57	53	49	44	40	35	26
-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	23	7	3	1	0
37.5	47	10	4	1	0
33.0	71	16	5	1	0
29.0	94	24	5	1	0
25.5	115	32	6	1	0
22.5	133	39	6	2	0
19.5	150	46	7	2	0
17.0	163	52	8	2	0
15.0	172	56	8	2	0
13.0	181	60	9	2	0
11.0	189	64	10	2	0
9.0	197	69	10	2	0

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CANDELA TABULATION - (Cont.)

7.0	204	73	11	2	0
5.0	209	77	12	2	0
3.0	214	81	12	2	0
1.0	217	84	13	2	0
0.0	218	86	13	2	0
-1.0	220	88	13	2	0
-3.0	224	91	14	2	0
-5.0	226	93	15	2	0
-7.0	229	95	15	2	0
-9.0	230	96	15	2	0
-11.0	231	97	16	2	0
-13.0	231	97	16	2	0
-15.0	230	97	16	2	0
-17.0	228	97	16	2	0
-19.5	225	95	16	2	0
-22.5	220	93	17	2	0
-25.5	214	91	16	2	0
-29.0	205	88	16	2	0
-33.0	191	83	15	2	0
-37.5	175	76	14	2	0
-42.5	157	67	12	2	0
-47.5	136	57	10	2	0
-55.0	100	40	8	1	0
-65.0	56	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-50-80-HGS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 5615.6

Total Field Lumens (one side of beam only) = 4476.45

* 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	0.29	0.29	0.29	0.28	0.28	0.27	0.27	0.26	0.30
42.5	0.32	0.63	0.63	0.61	0.60	0.58	0.56	0.54	0.51	0.60
37.5	0.57	1.13	1.12	1.10	1.06	1.02	0.98	0.92	0.87	1.01
33	0.94	1.88	1.86	1.80	1.72	1.60	1.48	1.36	1.26	1.40
29	1.68	3.33	3.24	3.10	2.90	2.67	2.41	2.14	1.89	2.06
25.5	2.74	5.45	5.31	5.04	4.66	4.20	3.74	3.28	2.80	2.94
22.5	4.03	7.99	7.74	7.33	6.76	6.03	5.27	4.56	3.83	3.86
19.5	6.78 *	13.24 *	12.71 *	11.95 *	10.91 *	9.60 *	8.25	6.97	5.72	5.64
17	8.54 *	16.70 *	15.98 *	14.89 *	13.41 *	11.58 *	9.78 *	8.12 *	6.58	6.39
15	9.20 *	17.99 *	17.20 *	15.90 *	14.10 *	12.06 *	10.05 *	8.21 *	6.61 *	6.34
13	11.90 *	23.19 *	22.12 *	20.17 *	17.65 *	15.00 *	12.38 *	9.98 *	7.96 *	7.56 *
11	15.22 *	29.60 *	27.99 *	25.19 *	21.85 *	18.42 *	15.06 *	12.04 *	9.46 *	8.80 *
9	18.98 *	36.84 *	34.56 *	30.94 *	26.59 *	22.19 *	18.03 *	14.19 *	10.96 *	10.08 *
7	22.87 *	44.40 *	41.49 *	37.09 *	31.73 *	26.21 *	20.98 *	16.27 *	12.43 *	11.32 *
5	26.65 *	51.72 *	48.18 *	42.99 *	36.68 *	30.06 *	23.74 *	18.22 *	13.72 *	12.28 *
3	29.47 *	57.34 *	53.63 *	47.96 *	40.80 *	33.20 *	26.00 *	19.77 *	14.73 *	13.12 *
1	30.71 *	60.47 *	57.43 *	51.39 *	43.48 *	35.30 *	27.61 *	20.95 *	15.59 *	13.90 *
0	15.47 *	30.75 *	29.40 *	26.27 *	22.17 *	18.04 *	14.15 *	10.74 *	8.00 *	7.13 *
-1	15.40 *	30.57 *	29.18 *	26.09 *	22.03 *	17.89 *	13.99 *	10.61 *	7.92 *	7.08 *
	30.11 *	59.21 *	56.04 *	50.14 *	42.45 *	34.56 *	27.12 *	20.65 *	15.41 *	13.75 *

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

LUMENS TABULATION - (Cont.)

-3	28.18 *	54.87 *	51.06 *	45.62 *	38.98 *	31.94 *	25.38 *	19.59 *	14.64 *	13.05 *
-5	24.71 *	48.09 *	44.65 *	39.75 *	34.12 *	28.30 *	22.75 *	17.86 *	13.60 *	12.27 *
-7	20.59 *	40.17 *	37.60 *	33.62 *	28.93 *	24.28 *	19.84 *	15.78 *	12.28 *	11.36 *
-9	16.66 *	32.52 *	30.56 *	27.69 *	24.07 *	20.29 *	16.81 *	13.62 *	10.74 *	10.10 *
-11	13.10 *	25.57 *	24.16 *	22.13 *	19.57 *	16.70 *	13.89 *	11.42 *	9.16 *	8.72 *
-13	10.06 *	19.67 *	18.69 *	17.32 *	15.51 *	13.47 *	11.35 *	9.38 *	7.62 *	7.38 *
-15	7.63 *	14.96 *	14.27 *	13.37 *	12.15 *	10.69 *	9.17 *	7.67 *	6.28 *	6.18
-17	7.06 *	13.86 *	13.24 *	12.46 *	11.53 *	10.28 *	8.94 *	7.59 *	6.29	6.30
-19.5	5.77 *	11.36 *	10.91 *	10.34 *	9.64 *	8.69	7.67	6.65	5.61	5.74
-22.5	3.67	7.23	7.03	6.73	6.30	5.71	5.12	4.56	3.94	4.16
-25.5	2.71	5.37	5.25	5.04	4.74	4.38	4.01	3.62	3.20	3.48
-29	1.92	3.84	3.79	3.66	3.49	3.30	3.07	2.82	2.58	2.91
-33	1.35	2.69	2.67	2.64	2.57	2.48	2.36	2.24	2.12	2.50
-37.5	1.13	2.26	2.25	2.23	2.20	2.16	2.10	2.02	1.95	2.35
-42.5	1.01	2.02	2.01	1.98	1.95	1.92	1.87	1.81	1.75	2.09
-47.5	1.15	2.29	2.28	2.26	2.24	2.20	2.15	2.08	2.01	2.38
-55	0.95	1.89	1.89	1.87	1.84	1.81	1.77	1.72	1.65	1.95
-65	0.43	0.87	0.87	0.87	0.85	0.84	0.82	0.79	0.76	0.91
-75	0.13	0.26	0.27	0.26	0.26	0.25	0.24	0.24	0.23	0.27
-85	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
-90										
Total	399.94	782.55	739.60	670.11	582.85	490.23	401.24	321.31	252.98	239.75

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	0.30	0.30	0.29	0.26	0.21	0.14	0.11	0.05	0.02

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

LUMENS TABULATION - (Cont.)

47.5										
	0.65	0.58	0.58	0.54	0.47	0.38	0.26	0.20	0.08	0.02
42.5	1.08	0.94	0.93	0.87	0.77	0.64	0.45	0.38	0.17	0.03
37.5	1.45	1.23	1.18	1.07	0.94	0.80	0.58	0.52	0.25	0.04
33	2.05	1.65	1.51	1.31	1.11	0.93	0.68	0.62	0.31	0.05
29	2.83	2.17	1.87	1.54	1.26	1.03	0.74	0.69	0.35	0.06
25.5	3.56	2.63	2.18	1.71	1.34	1.06	0.76	0.70	0.36	0.06
22.5	4.98	3.54	2.85	2.13	1.59	1.23	0.87	0.81	0.42	0.08
19.5	5.49	3.75	2.92	2.12	1.52	1.14	0.80	0.75	0.39	0.07
17	5.37	3.58	2.71	1.93	1.34	0.98	0.69	0.64	0.34	0.06
15	6.29	4.12	3.06	2.12	1.43	1.04	0.73	0.67	0.36	0.07
13	7.17	4.61	3.37	2.29	1.52	1.09	0.75	0.70	0.38	0.07
11	8.09	5.12	3.68	2.45	1.61	1.14	0.78	0.72	0.39	0.08
9	8.98 *	5.61	3.96	2.59	1.69	1.17	0.80	0.75	0.41	0.08
7	9.66 *	5.99	4.21	2.73	1.76	1.20	0.81	0.76	0.43	0.09
5	10.25 *	6.31	4.44	2.87	1.81	1.22	0.83	0.78	0.44	0.09
3	10.78 *	6.55	4.60	2.97	1.85	1.24	0.84	0.80	0.45	0.10
1	5.50 *	3.33	2.35	1.51	0.94	0.63	0.43	0.40	0.23	0.05
0	5.49 *	3.34	2.36	1.52	0.94	0.63	0.43	0.41	0.23	0.05
-1	10.77 *	6.63	4.69	3.05	1.90	1.27	0.87	0.83	0.47	0.11
-3	10.37 *	6.49	4.61	3.03	1.92	1.29	0.88	0.83	0.48	0.11
-5	9.86 *	6.25	4.46	2.97	1.92	1.30	0.89	0.84	0.49	0.11
-7	9.24 *	5.89	4.23	2.87	1.90	1.31	0.90	0.85	0.49	0.11
-9	8.37	5.40	3.93	2.74	1.86	1.31	0.90	0.85	0.50	0.12
-11	7.36	4.84	3.60	2.57	1.79	1.30	0.90	0.85	0.50	0.12
-13	6.36	4.30	3.28	2.39	1.72	1.28	0.90	0.85	0.50	0.12
-15	5.44	3.77	2.96	2.22	1.65	1.26	0.89	0.84	0.50	0.12
-17	5.65	4.05	3.30	2.55	1.97	1.55	1.10	1.04	0.61	0.15
-19.5	5.33	3.98	3.38	2.74	2.23	1.81	1.30	1.23	0.72	0.17

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

LUMENS TABULATION - (Cont.)

-22.5	4.02	3.12	2.79	2.43	2.08	1.74	1.26	1.19	0.71	0.17
-25.5	3.50	2.86	2.72	2.52	2.27	1.94	1.41	1.34	0.80	0.19
-29	3.06	2.65	2.68	2.60	2.41	2.07	1.51	1.44	0.86	0.21
-33	2.77	2.53	2.66	2.65	2.47	2.13	1.56	1.49	0.90	0.22
-37.5	2.66	2.46	2.60	2.59	2.40	2.09	1.54	1.50	0.90	0.22
-42.5	2.34	2.13	2.23	2.20	2.05	1.79	1.34	1.31	0.79	0.19
-47.5	2.66	2.43	2.54	2.51	2.38	2.10	1.58	1.57	0.95	0.22
-55	2.18	2.01	2.11	2.12	2.04	1.82	1.39	1.39	0.81	0.18
-65	1.02	0.95	1.00	1.01	0.97	0.88	0.67	0.66	0.37	0.09
-75	0.31	0.28	0.30	0.31	0.30	0.28	0.21	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	203.39	138.45	109.23	82.74	62.50	48.43	34.47	32.63	18.62	4.20

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	4.70	
47.5				
	0.00	0.00	9.35	
42.5				
	0.01	0.00	16.05	
37.5				
	0.01	0.00	23.37	
33				
	0.01	0.00	35.64	
29				
	0.01	0.00	52.71	
25.5				
	0.01	0.00	71.78	
22.5				
	0.01	0.00	110.25	
19.5				
	0.01	0.00	130.93	
17				
	0.01	0.00	135.31	

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

LUMENS TABULATION - (Cont.)

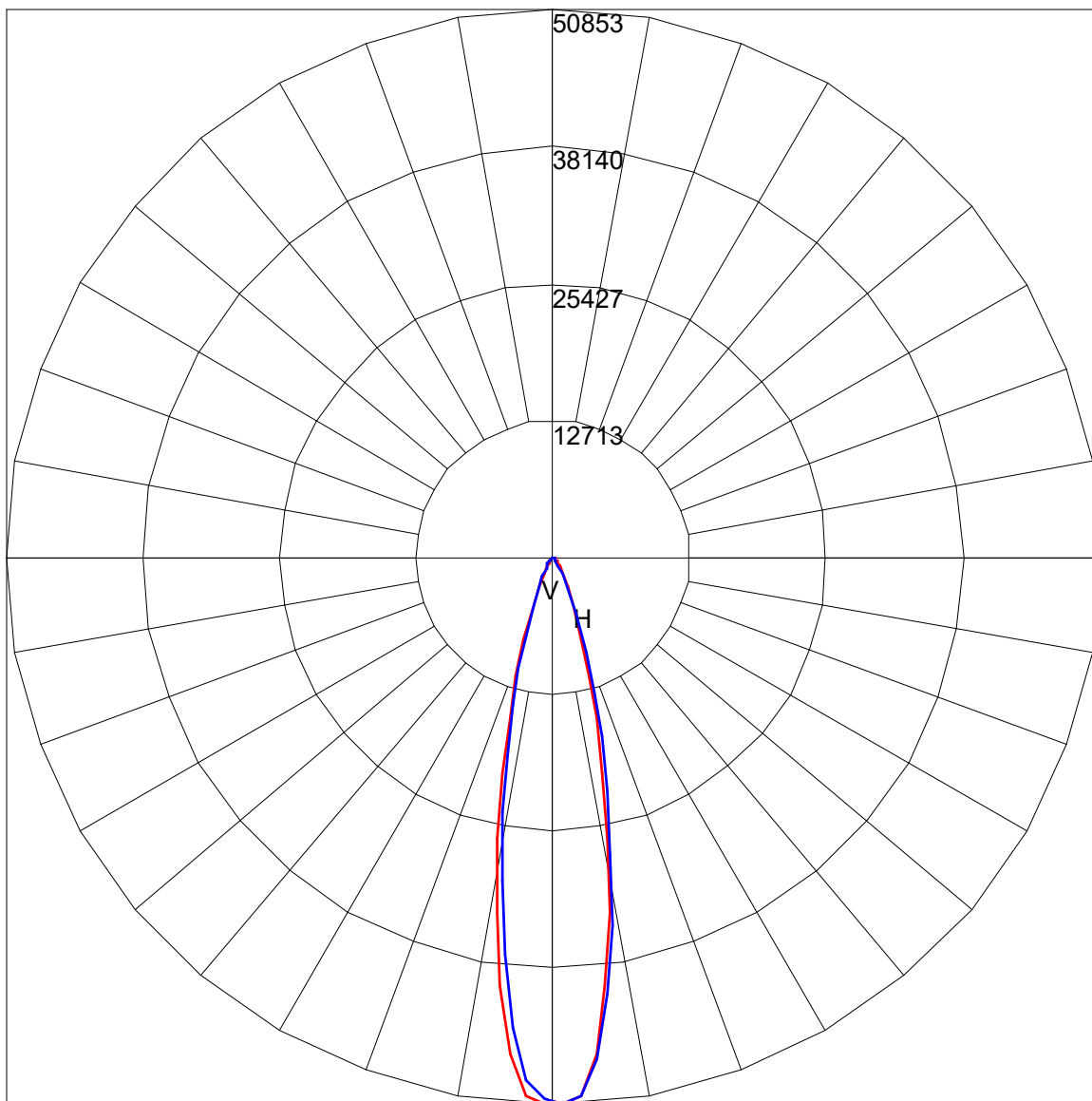
15			
	0.01	0.00	167.79
13			
	0.01	0.00	205.60
11			
	0.01	0.00	247.42
9			
	0.01	0.00	290.86
7			
	0.01	0.00	331.88
5			
	0.01	0.00	365.06
3			
	0.01	0.00	387.02
1			
	0.00	0.00	197.49
0			
	0.00	0.00	196.15
-1			
	0.01	0.00	380.05
-3			
	0.01	0.00	353.34
-5			
	0.01	0.00	315.21
-7			
	0.01	0.00	272.24
-9			
	0.01	0.00	229.03
-11			
	0.01	0.00	188.27
-13			
	0.01	0.00	152.16
-15			
	0.01	0.00	122.04
-17			
	0.01	0.00	119.52
-19.5			
	0.01	0.00	105.29
-22.5			
	0.01	0.00	73.99
-25.5			
	0.02	0.00	61.36
-29			
	0.02	0.00	50.91
-33			
	0.02	0.00	43.00
-37.5			
	0.02	0.00	39.63
-42.5			
	0.02	0.00	34.77
-47.5			
	0.02	0.00	40.00
-55			
	0.02	0.00	33.41
-65			
	0.01	0.00	15.66

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

LUMENS TABULATION - (Cont.)

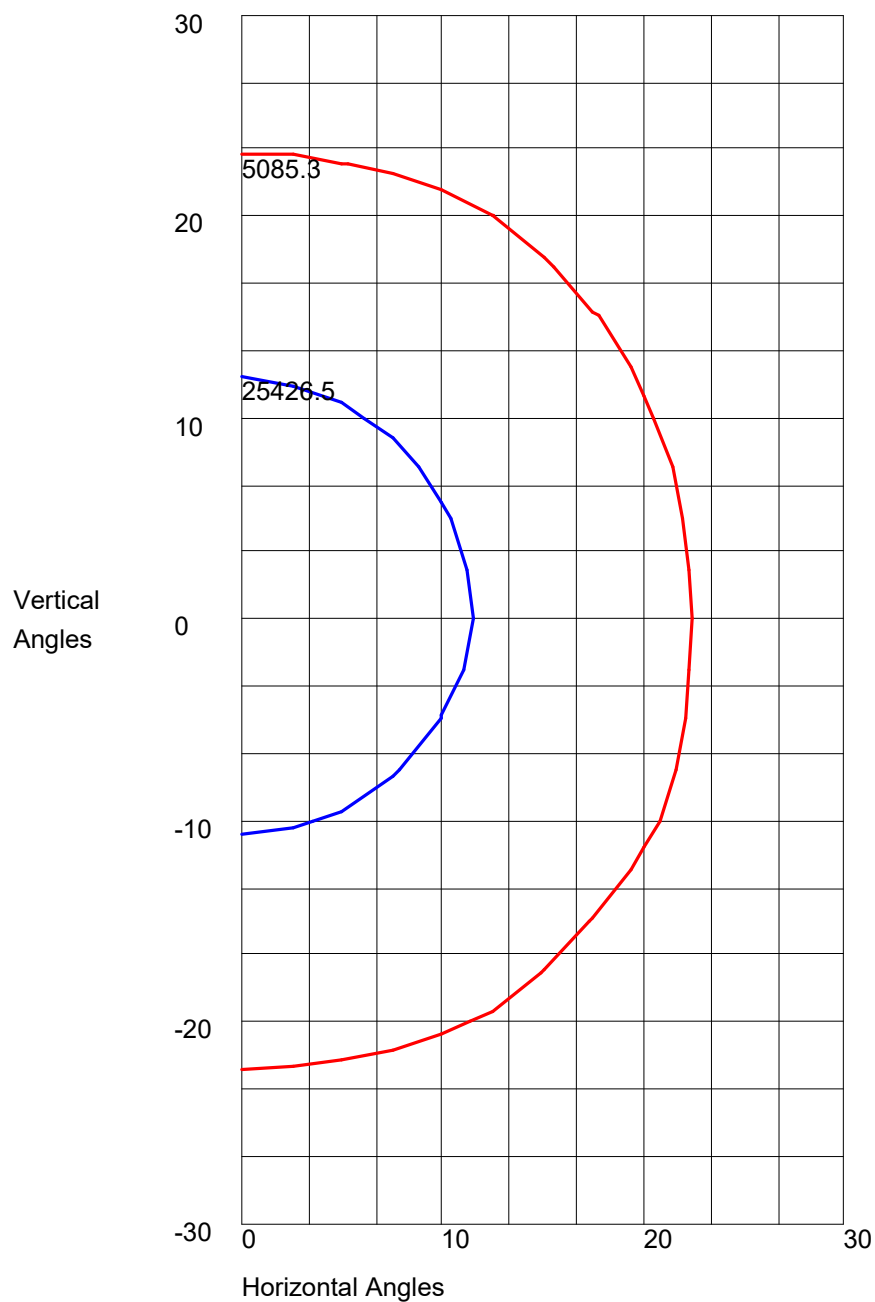
-75	0.01	0.00	4.80
-85	0.00	0.00	0.45
-90			
Total	0.40	0.01	5615.61

AXIAL CANDELA DISPLAY



Maximum Candela = 50853 Located At Horizontal Angle = -1, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 50853 Located At Horizontal Angle = -1, Vertical Angle = 0
50% Maximum Candela = 25426.5
10% Maximum Candela = 5085.3