



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-16L-PC-NF-50-80-HGS.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-12597  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUEDATE] 03/30/21  
[TESTDATE] 03/12/21  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] PFL-LED-16L-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	71608
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	6267
Beam Efficiency	N.A.
Field Lumens	12607
Field Efficiency	N.A.
Spill Lumens	3208
Luminaire Lumens	15815
Total Efficiency	N.A.
Total Luminaire Watts	142
Ballast Factor	1.00



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**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	3	85	4
75	18	75	1
65	121	65	1
55	308	55	6
47.5	493	47.5	174
42.5	628	42.5	414
37.5	892	37.5	632
33	1467	33	1294
29	2623	29	2579
25.5	4380	25.5	4656
22.5	6894	22.5	7757
19.5	11314	19.5	13262
17	16469	17	18538
15	21943	15	24286
13	29193	13	31428
11	37684	11	39791
9	47024	9	48787
7	56548	7	57763
5	65311	5	66009
3	70657	3	70776
1	71608	1	71597
0	71350	0	71350
-1	71608	-1	70869
-3	70657	-3	68500
-5	65311	-5	61909
-7	56548	-7	52425
-9	47024	-9	42984
-11	37684	-11	34198
-13	29193	-13	26489
-15	21943	-15	20083
-17	16469	-17	15247
-19.5	11314	-19.5	10888
-22.5	6894	-22.5	6928
-25.5	4380	-25.5	4443
-29	2623	-29	2722
-33	1467	-33	1706
-37.5	892	-37.5	1055
-42.5	628	-42.5	1029
-47.5	493	-47.5	836
-55	308	-55	573
-65	121	-65	298
-75	18	-75	102
-85	3	-85	19
-90	0	-90	0

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**CANDELA TABULATION**

Maximum Candela = 71608

Beam Edge = 35804 Cd (50% of Max.)

Field Edge = 7160.8 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	0	2	3	4	5	5	5	6
<b>75.0</b>	0	1	0	0	1	1	1	1	1	1
<b>65.0</b>	0	1	1	1	1	1	1	1	1	1
<b>55.0</b>	0	1	2	3	5	6	7	7	10	6
<b>47.5</b>	0	1	3	6	13	34	52	70	87	104
<b>42.5</b>	0	1	4	10	33	79	108	140	178	213
<b>37.5</b>	0	1	5	14	66	124	162	208	251	294
<b>33.0</b>	0	2	6	23	100	165	220	263	334	405
<b>29.0</b>	0	2	7	33	133	215	283	355	444	586
<b>25.5</b>	0	2	8	45	162	265	345	444	572	772
<b>22.5</b>	0	2	9	54	188	309	399	525	703	1019
<b>19.5</b>	0	2	10	64	212	352	451	606	832	1275
<b>17.0</b>	0	2	11	72	230	387	491	657	961	1509
<b>15.0</b>	0	2	11	79	243	404	525	690	1049	1686
<b>13.0</b>	0	2	12	85	255	419	548	739	1116	1857
<b>11.0</b>	0	3	13	90	266	433	568	779	1193	2008
<b>9.0</b>	0	3	14	97	277	446	583	809	1265	2138
<b>7.0</b>	0	3	15	103	286	457	594	837	1333	2248
<b>5.0</b>	0	3	16	108	294	468	602	857	1394	2400
<b>3.0</b>	0	3	17	114	301	481	616	873	1439	2504
<b>1.0</b>	0	3	18	119	306	489	624	888	1462	2594
<b>0.0</b>	0	3	18	121	308	493	628	892	1467	2623
<b>-1.0</b>	0	3	18	123	311	497	633	899	1483	2630
<b>-3.0</b>	0	3	19	128	316	504	642	905	1503	2610
<b>-5.0</b>	0	3	20	130	319	506	647	913	1508	2560
<b>-7.0</b>	0	3	21	133	322	509	657	918	1493	2457
<b>-9.0</b>	0	3	22	135	324	511	664	917	1457	2335
<b>-11.0</b>	0	3	22	136	325	512	667	909	1391	2201
<b>-13.0</b>	0	3	23	137	325	512	666	894	1310	2038
<b>-15.0</b>	0	3	23	137	324	510	661	870	1247	1847
<b>-17.0</b>	0	3	23	136	322	506	654	857	1183	1708
<b>-19.5</b>	0	3	23	134	317	500	646	838	1095	1512
<b>-22.5</b>	0	3	23	131	311	487	630	805	1003	1311
<b>-25.5</b>	0	3	23	128	302	470	611	763	926	1123
<b>-29.0</b>	0	3	22	123	288	446	580	719	849	987
<b>-33.0</b>	0	3	21	117	269	414	537	668	789	887
<b>-37.5</b>	0	3	19	107	246	379	484	597	707	798
<b>-42.5</b>	0	3	17	94	220	333	423	514	603	689
<b>-47.5</b>	0	2	14	79	191	284	357	439	505	573
<b>-55.0</b>	0	2	11	55	141	209	253	306	347	380
<b>-65.0</b>	0	2	8	23	78	119	147	173	198	217
<b>-75.0</b>	0	1	6	10	24	37	49	57	62	69
<b>-85.0</b>	0	0	3	7	10	12	13	15	16	17
<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	6	6	6	6	5	5	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
55.0	9	8	7	8	7	6	6	6	6	6
47.5	118	133	146	155	160	164	166	170	172	170
42.5	251	276	303	330	342	355	368	382	394	404
37.5	348	393	447	488	515	549	576	597	615	627
33.0	508	598	694	800	878	946	1038	1136	1215	1267
29.0	740	943	1157	1354	1516	1750	1964	2128	2284	2430
25.5	1079	1425	1814	2212	2626	3028	3358	3812	4197	4475
22.5	1456	1964	2630	3368	4060	4767	5466	6239	6802	7229 *
19.5	1893	2641	3724	4924	6000	7301 *	8452 *	9876 *	11042 *	11942 *
17.0	2258	3326	4804	6469	7921 *	9731 *	11491 *	13666 *	15495 *	16881 *
15.0	2605	3889	5716	7713 *	9683 *	11799 *	14489 *	16976 *	19709 *	21812 *
13.0	2941	4451	6696	9299 *	11586 *	14478 *	17755 *	21208 *	24508 *	27737 *
11.0	3222	4950	7569 *	10719 *	13880 *	17406 *	21533 *	25965 *	30313 *	34552 *
9.0	3554	5544	8630 *	12326 *	15798 *	20538 *	25709 *	30961 *	36899 *	42063 *
7.0	3825	6005	9480 *	13664 *	17991 *	23202 *	29727 *	36629 *	43652 *	49795 *
5.0	4053	6340	10051 *	14621 *	19687 *	25930 *	33342 *	41430 *	49509 *	56865 *
3.0	4234	6648	10804 *	15603 *	20906 *	27649 *	35949 *	45113 *	54420 *	62126 *
1.0	4351	6860	11280 *	16443 *	22045 *	29201 *	37684 *	46979 *	56461 *	65857 *
0.0	4380	6894	11314 *	16469 *	21943 *	29193 *	37684 *	47024 *	56548 *	65311 *
-1.0	4374	6900	11152 *	16183 *	21581 *	28425 *	36900 *	46314 *	55794 *	64852 *
-3.0	4317	6783	10733 *	15474 *	20872 *	27512 *	35319 *	43683 *	52396 *	60019 *
-5.0	4217	6578	10145 *	14478 *	19585 *	25360 *	31780 *	39133 *	46741 *	52919 *
-7.0	4035	6248	9587 *	13585 *	17761 *	22408 *	27966 *	33973 *	39460 *	45648 *
-9.0	3757	5821	8845 *	12216 *	15472 *	19560 *	23857 *	28187 *	33416 *	37733 *
-11.0	3381	5246	7735 *	10531 *	13446 *	16390 *	19660 *	23524 *	27216 *	30336 *
-13.0	3087	4634	6684	9004 *	11089 *	13468 *	16133 *	19077 *	21528 *	23797 *
-15.0	2781	4009	5683	7375 *	9169 *	10953 *	13092 *	14907 *	16907 *	18290 *
-17.0	2468	3456	4797	6205	7438 *	8975 *	10336 *	11854 *	13066 *	13884 *
-19.5	2150	2852	3811	4810	5727	6788	7713 *	8703 *	9429 *	9950 *
-22.5	1724	2222	2849	3443	4019	4583	5077	5711	6171	6490
-25.5	1371	1695	2088	2415	2771	3109	3371	3721	4002	4202
-29.0	1130	1308	1519	1726	1887	2089	2259	2398	2534	2655
-33.0	972	1066	1162	1257	1340	1413	1498	1580	1641	1682
-37.5	855	899	942	960	971	1012	1038	1050	1060	1062
-42.5	752	810	864	903	925	947	971	990	1004	1019
-47.5	631	680	730	762	782	800	814	824	829	832
-55.0	423	451	479	506	525	542	553	561	568	574
-65.0	235	247	261	272	280	287	292	295	297	298
-75.0	75	80	86	90	93	96	98	101	102	105
-85.0	18	19	19	19	19	19	19	19	19	19
-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	4	4	4	4	4	4	4	5	5	6
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	6	6	6	6	6	6	6	6	6	6
47.5	172	173	174	173	172	170	172	170	166	164
42.5	416	415	414	415	416	404	394	382	368	355
37.5	634	635	632	635	634	627	615	597	576	549
33.0	1296	1300	1294	1300	1296	1267	1215	1136	1038	946
29.0	2527	2576	2579	2576	2527	2430	2284	2128	1964	1750
25.5	4627	4671	4656	4671	4627	4475	4197	3812	3358	3028
22.5	7574 *	7771 *	7757 *	7771 *	7574 *	7229 *	6802	6239	5466	4767
19.5	12519 *	12974 *	13262 *	12974 *	12519 *	11942 *	11042 *	9876 *	8452 *	7301 *
17.0	17898 *	18413 *	18538 *	18413 *	17898 *	16881 *	15495 *	13666 *	11491 *	9731 *
15.0	23119 *	23778 *	24286 *	23778 *	23119 *	21812 *	19709 *	16976 *	14489 *	11799 *
13.0	29827 *	30554 *	31428 *	30554 *	29827 *	27737 *	24508 *	21208 *	17755 *	14478 *
11.0	37603 *	38920 *	39791 *	38920 *	37603 *	34552 *	30313 *	25965 *	21533 *	17406 *
9.0	45925 *	47982 *	48787 *	47982 *	45925 *	42063 *	36899 *	30961 *	25709 *	20538 *
7.0	54512 *	56961 *	57763 *	56961 *	54512 *	49795 *	43652 *	36629 *	29727 *	23202 *
5.0	62085 *	65662 *	66009 *	65662 *	62085 *	56865 *	49509 *	41430 *	33342 *	25930 *
3.0	67475 *	70001 *	70776 *	70001 *	67475 *	62126 *	54420 *	45113 *	35949 *	27649 *
1.0	70668 *	71550 *	71597 *	71550 *	70668 *	65857 *	56461 *	46979 *	37684 *	29201 *
0.0	70657 *	71608 *	71350 *	71608 *	70657 *	65311 *	56548 *	47024 *	37684 *	29193 *
-1.0	69640 *	70865 *	70869 *	70865 *	69640 *	64852 *	55794 *	46314 *	36900 *	28425 *
-3.0	65211 *	68161 *	68500 *	68161 *	65211 *	60019 *	52396 *	43683 *	35319 *	27512 *
-5.0	58464 *	61968 *	61909 *	61968 *	58464 *	52919 *	46741 *	39133 *	31780 *	25360 *
-7.0	49871 *	52137 *	52425 *	52137 *	49871 *	45648 *	39460 *	33973 *	27966 *	22408 *
-9.0	40987 *	42798 *	42984 *	42798 *	40987 *	37733 *	33416 *	28187 *	23857 *	19560 *
-11.0	32558 *	34077 *	34198 *	34077 *	32558 *	30336 *	27216 *	23524 *	19660 *	16390 *
-13.0	25251 *	26384 *	26489 *	26384 *	25251 *	23797 *	21528 *	19077 *	16133 *	13468 *
-15.0	19291 *	20057 *	20083 *	20057 *	19291 *	18290 *	16907 *	14907 *	13092 *	10953 *
-17.0	14678 *	15185 *	15247 *	15185 *	14678 *	13884 *	13066 *	11854 *	10336 *	8975 *
-19.5	10567 *	10876 *	10888 *	10876 *	10567 *	9950 *	9429 *	8703 *	7713 *	6788
-22.5	6703	6874	6928	6874	6703	6490	6171	5711	5077	4583
-25.5	4319	4407	4443	4407	4319	4202	4002	3721	3371	3109
-29.0	2729	2739	2722	2739	2729	2655	2534	2398	2259	2089
-33.0	1706	1711	1706	1711	1706	1682	1641	1580	1498	1413
-37.5	1057	1056	1055	1056	1057	1062	1060	1050	1038	1012
-42.5	1033	1030	1029	1030	1033	1019	1004	990	971	947
-47.5	835	836	836	836	835	832	829	824	814	800
-55.0	577	574	573	574	577	574	568	561	553	542
-65.0	299	298	298	298	299	298	297	295	292	287
-75.0	104	103	102	103	104	105	102	101	98	96
-85.0	19	19	19	19	19	19	19	19	19	19
-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	6	6	6	7	7	6	5	5	5	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
55.0	7	8	7	8	9	6	10	7	7	6
47.5	160	155	146	133	118	104	87	70	52	34
42.5	342	330	303	276	251	213	178	140	108	79
37.5	515	488	447	393	348	294	251	208	162	124
33.0	878	800	694	598	508	405	334	263	220	165
29.0	1516	1354	1157	943	740	586	444	355	283	215
25.5	2626	2212	1814	1425	1079	772	572	444	345	265

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**CANDELA TABULATION - (Cont.)**

22.5	4060	3368	2630	1964	1456	1019	702	525	399	309
19.5	6000	4924	3724	2641	1893	1275	832	606	451	352
17.0	7921 *	6469	4804	3326	2258	1509	961	657	491	387
15.0	9683 *	7713 *	5716	3889	2605	1686	1049	690	525	404
13.0	11586 *	9299 *	6696	4451	2941	1857	1116	739	548	419
11.0	13880 *	10719 *	7569 *	4950	3222	2008	1193	779	568	433
9.0	15798 *	12326 *	8630 *	5544	3554	2138	1265	809	583	446
7.0	17991 *	13664 *	9480 *	6005	3825	2248	1333	837	594	457
5.0	19687 *	14621 *	10051 *	6340	4053	2400	1394	857	602	468
3.0	20906 *	15603 *	10804 *	6648	4234	2504	1439	873	616	481
1.0	22045 *	16443 *	11280 *	6860	4351	2594	1462	888	624	489
0.0	21943 *	16469 *	11314 *	6894	4380	2623	1467	892	628	493
-1.0	21581 *	16183 *	11152 *	6900	4374	2630	1483	899	633	497
-3.0	20872 *	15474 *	10733 *	6783	4317	2610	1503	905	642	504
-5.0	19585 *	14478 *	10145 *	6578	4217	2560	1508	913	647	506
-7.0	17761 *	13585 *	9587 *	6248	4035	2457	1493	918	657	509
-9.0	15472 *	12216 *	8845 *	5821	3757	2335	1457	917	664	511
-11.0	13446 *	10531 *	7735 *	5246	3381	2201	1391	909	667	512
-13.0	11089 *	9004 *	6684	4634	3087	2038	1310	894	666	512
-15.0	9169 *	7375 *	5683	4009	2781	1847	1247	870	661	510
-17.0	7438 *	6205	4797	3456	2468	1708	1183	857	654	506
-19.5	5727	4810	3811	2852	2150	1512	1095	838	646	500
-22.5	4019	3443	2849	2222	1724	1311	1003	805	630	487
-25.5	2771	2415	2088	1695	1371	1123	926	763	611	470
-29.0	1887	1726	1519	1308	1130	987	849	719	580	446
-33.0	1340	1257	1162	1066	972	887	789	668	537	414
-37.5	971	960	942	899	855	798	707	597	484	379
-42.5	925	903	864	810	752	689	603	514	423	333
-47.5	782	762	730	680	631	573	505	439	357	284
-55.0	525	506	479	451	423	380	347	306	253	209
-65.0	280	272	261	247	235	217	198	173	147	119
-75.0	93	90	86	80	75	69	62	57	49	37
-85.0	19	19	19	19	18	17	16	15	13	12
-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	3	2	0	0	0
75.0	1	0	0	1	0
65.0	1	1	1	1	0
55.0	5	3	2	1	0
47.5	13	6	3	1	0
42.5	33	10	4	1	0
37.5	66	14	5	1	0
33.0	100	23	6	2	0
29.0	133	33	7	2	0
25.5	162	45	8	2	0
22.5	188	54	9	2	0
19.5	212	64	10	2	0
17.0	230	72	11	2	0
15.0	243	79	11	2	0
13.0	255	85	12	2	0
11.0	266	90	13	3	0
9.0	277	97	14	3	0

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-16L-PC-NF-50-80-HGS.IES**

**CANDELA TABULATION - (Cont.)**

<b>7.0</b>	286	103	15	3	0
<b>5.0</b>	294	108	16	3	0
<b>3.0</b>	301	114	17	3	0
<b>1.0</b>	306	119	18	3	0
<b>0.0</b>	308	121	18	3	0
<b>-1.0</b>	311	123	18	3	0
<b>-3.0</b>	316	128	19	3	0
<b>-5.0</b>	319	130	20	3	0
<b>-7.0</b>	322	133	21	3	0
<b>-9.0</b>	324	135	22	3	0
<b>-11.0</b>	325	136	22	3	0
<b>-13.0</b>	325	137	23	3	0
<b>-15.0</b>	324	137	23	3	0
<b>-17.0</b>	322	136	23	3	0
<b>-19.5</b>	317	134	23	3	0
<b>-22.5</b>	311	131	23	3	0
<b>-25.5</b>	302	128	23	3	0
<b>-29.0</b>	288	123	22	3	0
<b>-33.0</b>	269	117	21	3	0
<b>-37.5</b>	246	107	19	3	0
<b>-42.5</b>	220	94	17	3	0
<b>-47.5</b>	191	79	14	2	0
<b>-55.0</b>	141	55	11	2	0
<b>-65.0</b>	78	23	8	2	0
<b>-75.0</b>	24	10	6	1	0
<b>-85.0</b>	10	7	3	0	0
<b>-90.0</b>	0	0	0	0	0

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-16L-PC-NF-50-80-HGS.IES**

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 7907.25

Total Field Lumens (one side of beam only) = 6303.42

\* 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	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03
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	0.02	0.02	0.02	0.03
47.5	0.21	0.41	0.40	0.40	0.40	0.39	0.38	0.37	0.36	0.43
42.5	0.45	0.89	0.88	0.86	0.84	0.81	0.78	0.75	0.72	0.84
37.5	0.80	1.60	1.58	1.54	1.50	1.44	1.38	1.30	1.23	1.42
33	1.32	2.65	2.61	2.54	2.42	2.26	2.08	1.92	1.77	1.98
29	2.36	4.69	4.57	4.36	4.08	3.76	3.40	3.01	2.66	2.90
25.5	3.86	7.67	7.48	7.10	6.56	5.91	5.27	4.61	3.95	4.14
22.5	5.68	11.25	10.90	10.32	9.52	8.49	7.43	6.42	5.39	5.44
19.5	9.54 *	18.65 *	17.90 *	16.82 *	15.36 *	13.51 *	11.61	9.81	8.06	7.94
17	12.03 *	23.52 *	22.50 *	20.96 *	18.88 *	16.31 *	13.77 *	11.44 *	9.26	9.00
15	12.95 *	25.33 *	24.22 *	22.39 *	19.86 *	16.99 *	14.16 *	11.57 *	9.31 *	8.93
13	16.76 *	32.66 *	31.14 *	28.40 *	24.86 *	21.13 *	17.44 *	14.05 *	11.21 *	10.64 *
11	21.43 *	41.68 *	39.42 *	35.48 *	30.77 *	25.94 *	21.21 *	16.95 *	13.32 *	12.40 *
9	26.73 *	51.88 *	48.66 *	43.57 *	37.44 *	31.25 *	25.38 *	19.99 *	15.44 *	14.19 *
7	32.21 *	62.52 *	58.43 *	52.23 *	44.68 *	36.90 *	29.55 *	22.91 *	17.50 *	15.95 *
5	37.53 *	72.82 *	67.84 *	60.53 *	51.65 *	42.33 *	33.43 *	25.66 *	19.31 *	17.29 *
3	41.49 *	80.74 *	75.52 *	67.53 *	57.45 *	46.75 *	36.61 *	27.83 *	20.74 *	18.47 *
1	43.24 *	85.14 *	80.87 *	72.36 *	61.22 *	49.71 *	38.88 *	29.50 *	21.96 *	19.57 *
0	21.79 *	43.30 *	41.40 *	36.98 *	31.22 *	25.40 *	19.93 *	15.13 *	11.26 *	10.04 *
-1	21.68 *	43.04 *	41.09 *	36.73 *	31.02 *	25.19 *	19.69 *	14.95 *	11.15 *	9.97 *
	42.40 *	83.37 *	78.92 *	70.60 *	59.78 *	48.66 *	38.18 *	29.08 *	21.70 *	19.36 *

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-16L-PC-NF-50-80-HGS.IES**

**LUMENS TABULATION - (Cont.)**

<b>-3</b>	39.68 *	77.26 *	71.90 *	64.24 *	54.88 *	44.97 *	35.74 *	27.58 *	20.62 *	18.38 *
<b>-5</b>	34.79 *	67.71 *	62.87 *	55.97 *	48.05 *	39.85 *	32.03 *	25.16 *	19.15 *	17.28 *
<b>-7</b>	28.99 *	56.56 *	52.94 *	47.34 *	40.73 *	34.19 *	27.94 *	22.23 *	17.29 *	15.99 *
<b>-9</b>	23.46 *	45.79 *	43.03 *	38.99 *	33.89 *	28.57 *	23.68 *	19.17 *	15.13 *	14.22 *
<b>-11</b>	18.45 *	36.00 *	34.01 *	31.16 *	27.55 *	23.52 *	19.56 *	16.08 *	12.90 *	12.28 *
<b>-13</b>	14.17 *	27.70 *	26.32 *	24.39 *	21.84 *	18.96 *	15.98 *	13.21 *	10.73 *	10.39 *
<b>-15</b>	10.75 *	21.07 *	20.10 *	18.83 *	17.11 *	15.06 *	12.92 *	10.80 *	8.84 *	8.70
<b>-17</b>	9.94 *	19.52 *	18.64 *	17.54 *	16.23 *	14.48 *	12.59 *	10.69 *	8.85	8.87
<b>-19.5</b>	8.13 *	15.99 *	15.36 *	14.56 *	13.58 *	12.24	10.80	9.36	7.91	8.09
<b>-22.5</b>	5.17	10.18	9.90	9.48	8.87	8.05	7.21	6.42	5.56	5.86
<b>-25.5</b>	3.81	7.56	7.39	7.10	6.68	6.17	5.65	5.10	4.51	4.90
<b>-29</b>	2.70	5.41	5.33	5.16	4.92	4.64	4.33	3.98	3.64	4.10
<b>-33</b>	1.89	3.79	3.77	3.71	3.62	3.49	3.33	3.15	2.98	3.52
<b>-37.5</b>	1.59	3.18	3.17	3.14	3.09	3.04	2.96	2.85	2.75	3.32
<b>-42.5</b>	1.42	2.84	2.83	2.79	2.75	2.70	2.63	2.55	2.47	2.95
<b>-47.5</b>	1.61	3.22	3.21	3.18	3.15	3.10	3.03	2.94	2.83	3.36
<b>-55</b>	1.33	2.66	2.66	2.63	2.60	2.55	2.49	2.41	2.32	2.74
<b>-65</b>	0.61	1.22	1.22	1.21	1.20	1.18	1.15	1.12	1.08	1.28
<b>-75</b>	0.19	0.37	0.38	0.37	0.36	0.36	0.35	0.34	0.32	0.39
<b>-85</b>	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
<b>-90</b>										
<b>Total</b>	563.16	1101.94	1041.44	943.59	820.72	690.30	565.00	452.45	356.24	337.60

**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	0.01	0.01	0.01	0.01	0.01	0.01	0.00
<b>85</b>	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.02	0.01
<b>75</b>	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
<b>65</b>	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.05	0.04	0.02
<b>55</b>	0.47	0.42	0.42	0.41	0.37	0.30	0.20	0.16	0.08	0.03

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-16L-PC-NF-50-80-HGS.IES**

**LUMENS TABULATION - (Cont.)**

<b>47.5</b>										
	0.91	0.81	0.81	0.76	0.66	0.54	0.37	0.28	0.12	0.03
<b>42.5</b>	1.51	1.32	1.31	1.22	1.09	0.90	0.64	0.54	0.23	0.04
<b>37.5</b>	2.05	1.73	1.66	1.51	1.33	1.12	0.81	0.73	0.35	0.06
<b>33</b>	2.89	2.33	2.12	1.85	1.56	1.31	0.95	0.88	0.44	0.07
<b>29</b>	3.99	3.06	2.63	2.17	1.78	1.46	1.04	0.97	0.50	0.08
<b>25.5</b>	5.01	3.71	3.07	2.40	1.88	1.50	1.06	0.99	0.51	0.09
<b>22.5</b>	7.01	4.98	4.01	3.00	2.24	1.73	1.22	1.14	0.59	0.11
<b>19.5</b>	7.73	5.28	4.11	2.99	2.14	1.61	1.13	1.05	0.55	0.10
<b>17</b>	7.56	5.04	3.82	2.72	1.88	1.38	0.97	0.90	0.47	0.09
<b>15</b>	8.85	5.80	4.31	2.98	2.01	1.46	1.02	0.94	0.50	0.10
<b>13</b>	10.09	6.50	4.75	3.22	2.14	1.54	1.06	0.98	0.53	0.10
<b>11</b>	11.39	7.21	5.18	3.45	2.26	1.60	1.09	1.02	0.56	0.11
<b>9</b>	12.65 *	7.90	5.57	3.65	2.37	1.65	1.12	1.05	0.58	0.12
<b>7</b>	13.60 *	8.44	5.94	3.85	2.47	1.69	1.14	1.08	0.60	0.13
<b>5</b>	14.44 *	8.88	6.25	4.04	2.55	1.72	1.17	1.10	0.62	0.13
<b>3</b>	15.18 *	9.22	6.48	4.18	2.61	1.75	1.19	1.13	0.64	0.14
<b>1</b>	7.75 *	4.69	3.30	2.13	1.32	0.88	0.60	0.57	0.32	0.07
<b>0</b>	7.73 *	4.71	3.32	2.14	1.33	0.89	0.61	0.57	0.33	0.07
<b>-1</b>	15.17 *	9.34	6.60	4.29	2.68	1.80	1.23	1.16	0.67	0.15
<b>-3</b>	14.60 *	9.14	6.49	4.27	2.70	1.81	1.24	1.18	0.68	0.15
<b>-5</b>	13.89 *	8.80	6.29	4.19	2.70	1.83	1.25	1.18	0.69	0.16
<b>-7</b>	13.01 *	8.29	5.96	4.04	2.68	1.84	1.26	1.19	0.70	0.16
<b>-9</b>	11.79	7.60	5.53	3.86	2.62	1.84	1.27	1.19	0.70	0.16
<b>-11</b>	10.36	6.82	5.07	3.62	2.52	1.83	1.27	1.20	0.70	0.17
<b>-13</b>	8.96	6.06	4.62	3.36	2.42	1.80	1.26	1.19	0.70	0.17
<b>-15</b>	7.65	5.31	4.17	3.12	2.33	1.77	1.25	1.19	0.70	0.17
<b>-17</b>	7.95	5.70	4.64	3.59	2.78	2.18	1.55	1.47	0.86	0.21
<b>-19.5</b>	7.51	5.60	4.76	3.85	3.14	2.55	1.83	1.73	1.02	0.24

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-16L-PC-NF-50-80-HGS.IES**

**LUMENS TABULATION - (Cont.)**

<b>-22.5</b>	5.66	4.39	3.93	3.42	2.94	2.46	1.77	1.68	0.99	0.24
<b>-25.5</b>	4.93	4.02	3.82	3.55	3.19	2.73	1.98	1.88	1.12	0.27
<b>-29</b>	4.31	3.74	3.77	3.67	3.39	2.92	2.13	2.02	1.21	0.29
<b>-33</b>	3.90	3.56	3.74	3.74	3.48	3.00	2.20	2.10	1.26	0.31
<b>-37.5</b>	3.75	3.46	3.67	3.65	3.39	2.94	2.18	2.10	1.27	0.31
<b>-42.5</b>	3.29	3.00	3.13	3.09	2.88	2.53	1.88	1.84	1.11	0.27
<b>-47.5</b>	3.74	3.42	3.57	3.53	3.35	2.96	2.23	2.21	1.33	0.31
<b>-55</b>	3.07	2.83	2.97	2.98	2.87	2.56	1.96	1.95	1.13	0.25
<b>-65</b>	1.44	1.33	1.41	1.43	1.37	1.24	0.95	0.92	0.51	0.12
<b>-75</b>	0.44	0.40	0.42	0.43	0.42	0.39	0.30	0.30	0.19	0.07
<b>-85</b>	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.03	0.01
<b>-90</b>	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.03	0.01
<b>Total</b>	286.39	194.95	153.80	116.48	87.97	68.15	48.51	45.92	26.19	5.89

<b>Vert. Angles</b>	<b>Horizontal Angles</b>			
	<b><u>75</u></b>	<b><u>85</u></b>	<b><u>90</u></b>	<b><u>Total</u></b>
<b>90</b>				
	0.00	0.00	0.20	
<b>85</b>				
	0.00	0.00	0.47	
<b>75</b>				
	0.00	0.00	0.16	
<b>65</b>				
	0.01	0.00	0.63	
<b>55</b>				
	0.01	0.00	6.60	
<b>47.5</b>				
	0.01	0.00	13.16	
<b>42.5</b>				
	0.01	0.00	22.60	
<b>37.5</b>				
	0.01	0.00	32.90	
<b>33</b>				
	0.01	0.00	50.19	
<b>29</b>				
	0.01	0.00	74.22	
<b>25.5</b>				
	0.01	0.00	101.07	
<b>22.5</b>				
	0.01	0.00	155.25	
<b>19.5</b>				
	0.01	0.00	184.37	
<b>17</b>				
	0.01	0.00	190.54	

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-16L-PC-NF-50-80-HGS.IES**

**LUMENS TABULATION - (Cont.)**

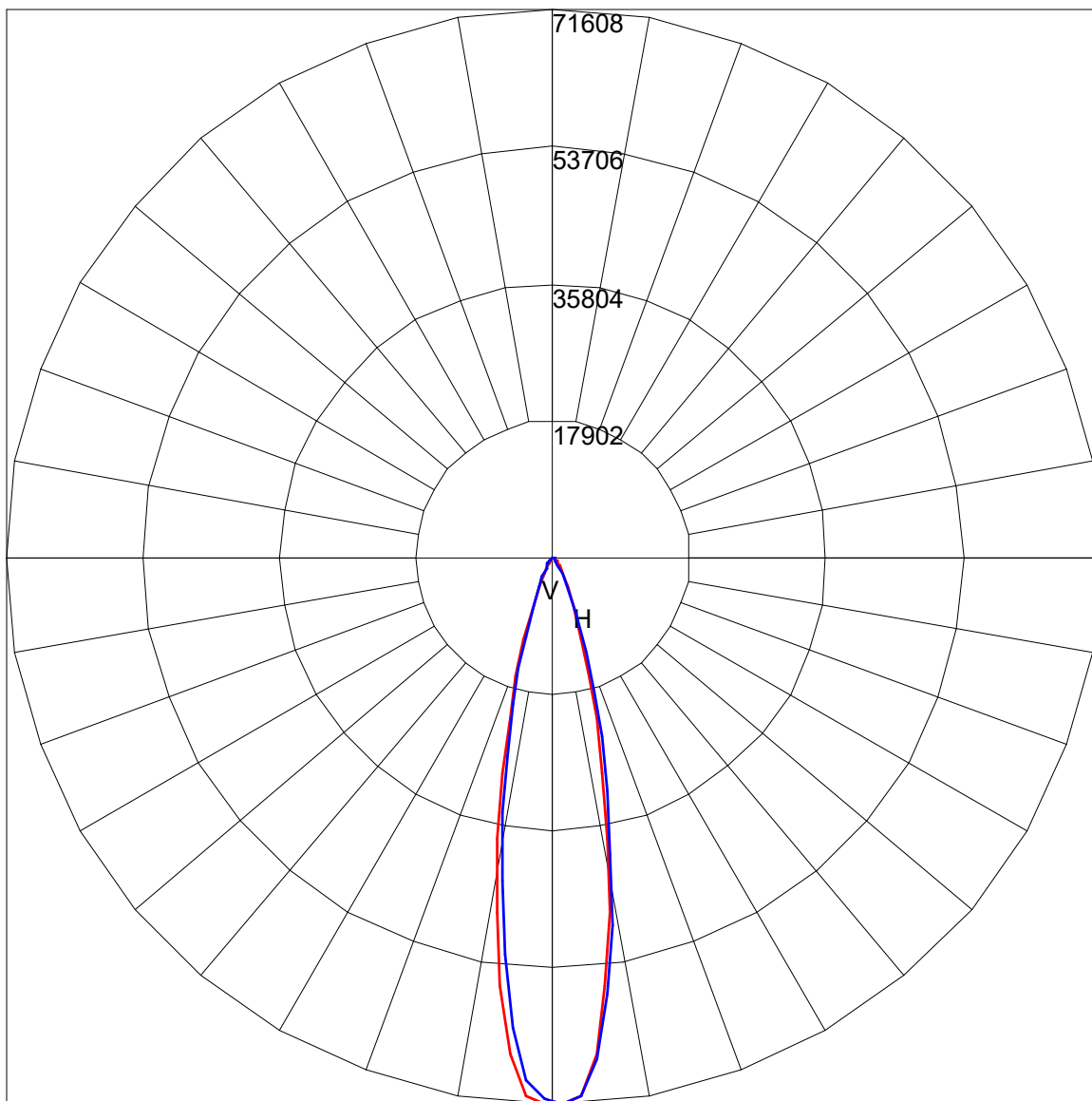
<b>15</b>	0.01	0.00	236.26
<b>13</b>	0.01	0.00	289.49
<b>11</b>	0.01	0.00	348.39
<b>9</b>	0.01	0.00	409.56
<b>7</b>	0.01	0.00	467.33
<b>5</b>	0.01	0.00	514.04
<b>3</b>	0.01	0.00	544.98
<b>1</b>	0.01	0.00	278.10
<b>0</b>	0.01	0.00	276.21
<b>-1</b>	0.01	0.00	535.16
<b>-3</b>	0.01	0.00	497.54
<b>-5</b>	0.01	0.00	443.86
<b>-7</b>	0.01	0.00	383.34
<b>-9</b>	0.01	0.00	322.49
<b>-11</b>	0.01	0.00	265.10
<b>-13</b>	0.01	0.00	214.26
<b>-15</b>	0.01	0.00	171.84
<b>-17</b>	0.02	0.00	168.31
<b>-19.5</b>	0.02	0.00	148.27
<b>-22.5</b>	0.02	0.00	104.20
<b>-25.5</b>	0.02	0.00	86.40
<b>-29</b>	0.03	0.00	71.67
<b>-33</b>	0.03	0.00	60.56
<b>-37.5</b>	0.03	0.00	55.82
<b>-42.5</b>	0.02	0.00	48.96
<b>-47.5</b>	0.03	0.00	56.30
<b>-55</b>	0.03	0.00	47.00
<b>-65</b>	0.02	0.00	22.02

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-16L-PC-NF-50-80-HGS.IES**

**LUMENS TABULATION - (Cont.)**

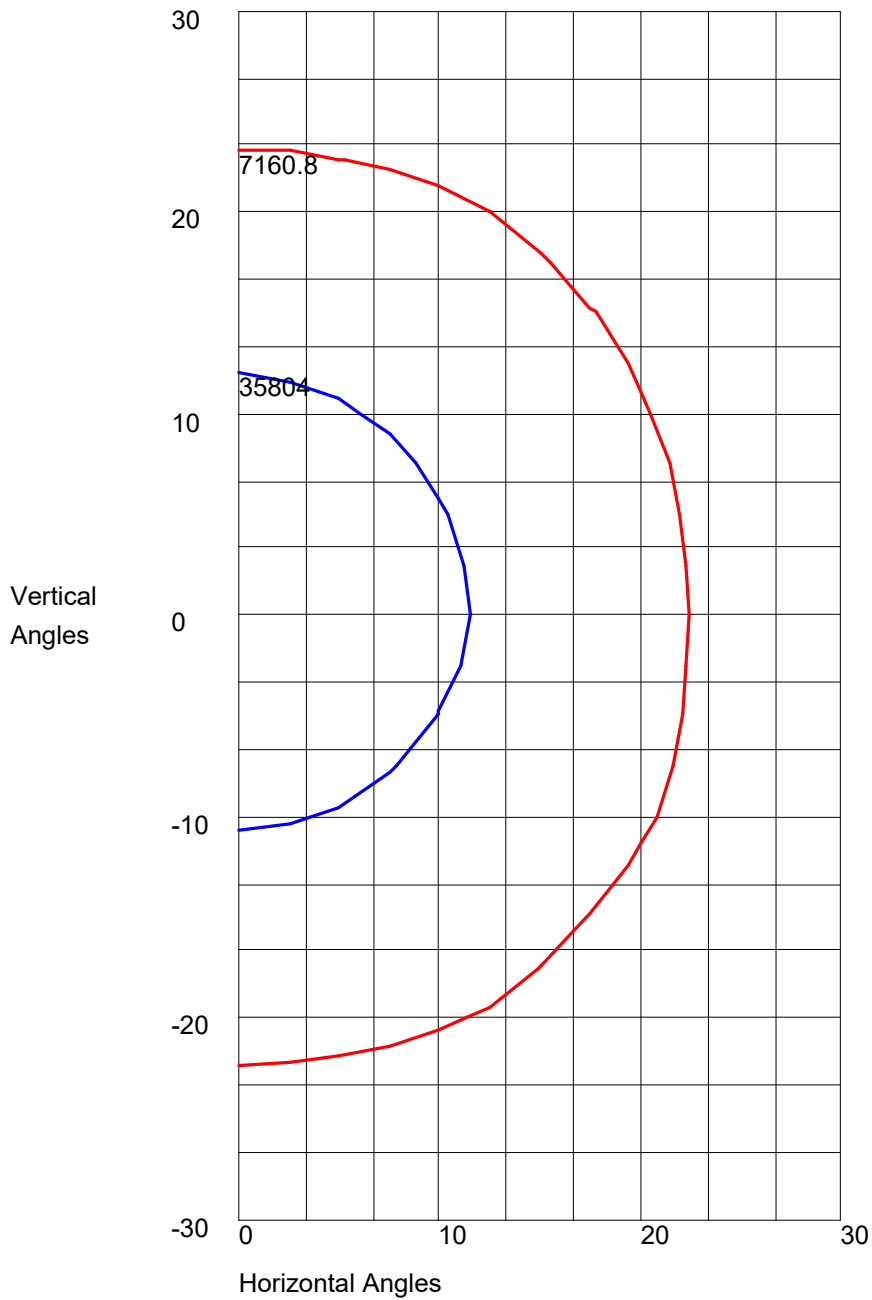
<b>-75</b>	0.01	0.00	6.78
<b>-85</b>	0.00	0.00	0.64
<b>-90</b>			
<b>Total</b>	0.55	0.01	7907.26

AXIAL CANDELA DISPLAY



Maximum Candela = 71608 Located At Horizontal Angle = -1, Vertical Angle = 0  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 71608 Located At Horizontal Angle = -1, Vertical Angle = 0  
50% Maximum Candela = 35804  
10% Maximum Candela = 7160.8