



## IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-16L-PC-NF-50-80-FGS.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] LED-12598  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUEDATE] 03/30/21  
[TESTDATE] 03/12/21  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] PFL-LED-16L-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	71194
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	6234
Beam Efficiency	N.A.
Field Lumens	12565
Field Efficiency	N.A.
Spill Lumens	2777
Luminaire Lumens	15341
Total Efficiency	N.A.
Total Luminaire Watts	142
Ballast Factor	1.00



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

**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	2	85	6
75	10	75	10
65	47	65	22
55	247	55	122
47.5	414	47.5	356
42.5	561	42.5	468
37.5	819	37.5	798
33	1381	33	1647
29	2447	29	3104
25.5	4124	25.5	5422
22.5	6557	22.5	9125
19.5	10875	19.5	13763
17	16036	17	18971
15	21622	15	24190
13	29306	13	31286
11	37891	11	39526
9	47155	9	48848
7	56524	7	58368
5	65075	5	66385
3	70247	3	70737
1	71080	1	71194
0	70773	0	70773
-1	71080	-1	70167
-3	70247	-3	67576
-5	65075	-5	60847
-7	56524	-7	51433
-9	47155	-9	42133
-11	37891	-11	33486
-13	29306	-13	25885
-15	21622	-15	19575
-17	16036	-17	14966
-19.5	10875	-19.5	10394
-22.5	6557	-22.5	6493
-25.5	4124	-25.5	3678
-29	2447	-29	2122
-33	1381	-33	1213
-37.5	819	-37.5	607
-42.5	561	-42.5	484
-47.5	414	-47.5	384
-55	247	-55	101
-65	47	-65	20
-75	10	-75	9
-85	2	-85	4
-90	0	-90	0

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

**CANDELA TABULATION**

Maximum Candela = 71194

Beam Edge = 35597 Cd (50% of Max.)

Field Edge = 7119.4 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	5	6	7	7	8	8
<b>75.0</b>	0	1	2	4	5	6	6	6	6	7
<b>65.0</b>	0	1	3	5	7	8	10	12	14	15
<b>55.0</b>	0	1	4	8	11	27	37	53	64	72
<b>47.5</b>	0	1	5	10	27	80	111	146	175	209
<b>42.5</b>	0	1	6	12	50	114	149	193	233	276
<b>37.5</b>	0	2	6	14	79	159	198	260	314	376
<b>33.0</b>	0	2	7	16	112	207	265	348	434	515
<b>29.0</b>	0	2	8	18	142	255	326	439	549	712
<b>25.5</b>	0	2	8	19	171	291	400	521	684	910
<b>22.5</b>	0	2	9	25	195	326	438	586	803	1162
<b>19.5</b>	0	2	9	31	210	354	469	643	901	1363
<b>17.0</b>	0	2	9	35	220	374	491	677	979	1549
<b>15.0</b>	0	2	9	38	226	384	509	695	1044	1676
<b>13.0</b>	0	2	10	40	232	392	524	721	1100	1836
<b>11.0</b>	0	2	10	42	236	399	535	748	1174	1984
<b>9.0</b>	0	2	10	44	239	404	543	774	1245	2117
<b>7.0</b>	0	2	10	45	242	408	548	793	1300	2236
<b>5.0</b>	0	2	10	46	245	410	551	805	1333	2331
<b>3.0</b>	0	2	10	47	247	415	558	813	1351	2379
<b>1.0</b>	0	2	10	47	247	414	560	819	1375	2434
<b>0.0</b>	0	2	10	47	247	414	561	819	1381	2447
<b>-1.0</b>	0	2	10	47	248	416	562	820	1382	2464
<b>-3.0</b>	0	2	10	47	249	420	564	816	1372	2460
<b>-5.0</b>	0	2	10	45	247	419	560	818	1374	2389
<b>-7.0</b>	0	2	10	44	246	419	563	822	1358	2265
<b>-9.0</b>	0	2	10	43	244	418	564	819	1319	2136
<b>-11.0</b>	0	2	10	41	240	415	562	809	1252	2023
<b>-13.0</b>	0	2	10	39	235	410	557	789	1177	1870
<b>-15.0</b>	0	2	9	37	229	403	548	758	1119	1676
<b>-17.0</b>	0	2	9	34	221	394	532	736	1051	1543
<b>-19.5</b>	0	2	9	31	210	373	508	710	945	1343
<b>-22.5</b>	0	2	9	25	194	343	471	651	824	1119
<b>-25.5</b>	0	2	8	20	172	309	426	563	707	888
<b>-29.0</b>	0	2	8	19	146	268	360	474	579	691
<b>-33.0</b>	0	2	7	17	117	219	291	381	462	533
<b>-37.5</b>	0	2	6	15	86	171	221	287	342	395
<b>-42.5</b>	0	1	6	12	56	128	167	214	250	292
<b>-47.5</b>	0	1	5	10	29	89	119	162	187	219
<b>-55.0</b>	0	1	4	8	12	26	35	48	57	63
<b>-65.0</b>	0	1	3	5	6	8	10	11	13	14
<b>-75.0</b>	0	1	2	3	5	5	5	6	6	6
<b>-85.0</b>	0	0	1	3	5	5	6	6	7	8
<b>-90.0</b>	0	0	0	0	0	0	0	0	0	0

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-16L-PC-NF-50-80-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	9	8	8	8	8	8	7	7	6	6
75.0	8	8	8	9	9	9	9	9	10	10
65.0	17	17	19	19	20	21	21	21	22	22
55.0	82	89	96	102	107	111	116	121	125	127
47.5	239	260	286	305	317	330	341	347	352	356
42.5	305	338	370	389	410	430	446	456	461	465
37.5	434	484	550	611	651	688	721	749	770	780
33.0	634	751	880	1006	1110	1202	1311	1417	1506	1578
29.0	885	1109	1362	1631	1846	2124	2356	2539	2723	2916
25.5	1232	1660	2122	2562	3050	3513	3879	4409	4850	5189
22.5	1620	2224	2972	3807	4643	5435	6264	7091	7814 *	8437 *
19.5	1993	2808	3948	5235	6442	7817 *	9026 *	10384 *	11549 *	12467 *
17.0	2305	3327	4860	6600	8137 *	10094 *	11856 *	13861 *	15608 *	17154 *
15.0	2602	3851	5669	7762 *	9924 *	12195 *	14867 *	17193 *	19842 *	22114 *
13.0	2898	4371	6621	9225 *	11705 *	14921 *	18228 *	21755 *	24995 *	28216 *
11.0	3180	4828	7481 *	10556 *	13907 *	17739 *	22063 *	26604 *	31056 *	35358 *
9.0	3510	5488	8580 *	12263 *	15921 *	20769 *	26089 *	31583 *	37421 *	42743 *
7.0	3788	5964	9360 *	13560 *	18099 *	23616 *	30028 *	36945 *	43671 *	50054 *
5.0	3987	6309	9921 *	14514 *	19855 *	26271 *	33562 *	41807 *	50112 *	56790 *
3.0	4101	6529	10480 *	15401 *	20998 *	28134 *	36322 *	45167 *	54317 *	62350 *
1.0	4137	6607	10800 *	15921 *	21577 *	28909 *	37350 *	46830 *	56478 *	65228 *
0.0	4124	6557	10875 *	16036 *	21622 *	29306 *	37891 *	47155 *	56524 *	65075 *
-1.0	4144	6616	10760 *	15848 *	21462 *	28641 *	36924 *	45978 *	55186 *	64069 *
-3.0	4120	6540	10346 *	15134 *	20383 *	27060 *	34708 *	43165 *	52056 *	59212 *
-5.0	4007	6305	9708 *	14109 *	18897 *	24653 *	31261 *	38789 *	45911 *	52095 *
-7.0	3812	5920	9085 *	13026 *	17053 *	21726 *	27459 *	33453 *	38971 *	44552 *
-9.0	3516	5388	8231 *	11604 *	14840 *	19057 *	23487 *	27843 *	32643 *	36892 *
-11.0	3157	4746	7156 *	10011 *	12907 *	15990 *	19429 *	23018 *	26386 *	29451 *
-13.0	2874	4254	6247	8584 *	10684 *	13202 *	15794 *	18477 *	20812 *	23102 *
-15.0	2563	3689	5356	7061	8865 *	10626 *	12698 *	14426 *	16358 *	17778 *
-17.0	2248	3140	4498	5929	7163 *	8637 *	10007 *	11488 *	12682 *	13484 *
-19.5	1947	2604	3550	4536	5457	6443	7384 *	8422 *	9189 *	9761 *
-22.5	1483	1951	2588	3119	3701	4255	4746	5364	5857	6241
-25.5	1102	1354	1716	1955	2307	2618	2813	3197	3470	3637
-29.0	800	959	1127	1302	1420	1593	1734	1815	1904	2028
-33.0	599	670	755	837	911	971	1023	1075	1127	1170
-37.5	431	470	500	517	530	564	590	608	619	619
-42.5	322	353	382	405	421	437	451	462	470	479
-47.5	247	266	296	317	329	342	356	365	373	380
-55.0	72	76	80	87	93	98	102	105	106	106
-65.0	15	16	17	18	18	19	19	19	20	20
-75.0	7	7	8	8	9	9	9	9	9	9
-85.0	8	8	8	7	7	7	6	6	5	5
-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	6	6	6	6	6	6	6	7	7	8
75.0	10	10	10	10	10	10	10	9	9	9
65.0	22	22	22	22	22	22	22	21	21	21

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

**CANDELA TABULATION - (Cont.)**

55.0	129	124	122	124	129	127	125	121	116	111
47.5	359	357	356	357	359	356	352	347	341	330
42.5	469	468	468	468	469	465	461	456	446	430
37.5	780	795	798	795	780	780	770	749	721	688
33.0	1629	1648	1647	1648	1629	1578	1506	1417	1311	1202
29.0	3054	3108	3104	3108	3054	2916	2723	2539	2356	2124
25.5	5398	5450	5422	5450	5398	5189	4850	4409	3879	3513
22.5	8880 *	9134 *	9125 *	9134 *	8880 *	8437 *	7814 *	7091	6264	5435
19.5	13268 *	13715 *	13763 *	13715 *	13268 *	12467 *	11549 *	10384 *	9026 *	7817 *
17.0	18334 *	18947 *	18971 *	18947 *	18334 *	17154 *	15608 *	13861 *	11856 *	10094 *
15.0	23602 *	24328 *	24190 *	24328 *	23602 *	22114 *	19842 *	17193 *	14867 *	12195 *
13.0	30298 *	31346 *	31286 *	31346 *	30298 *	28216 *	24995 *	21755 *	18228 *	14921 *
11.0	38025 *	39578 *	39526 *	39578 *	38025 *	35358 *	31056 *	26604 *	22063 *	17739 *
9.0	46579 *	48430 *	48848 *	48430 *	46579 *	42743 *	37421 *	31583 *	26089 *	20769 *
7.0	55344 *	57407 *	58368 *	57407 *	55344 *	50054 *	43671 *	36945 *	30028 *	23616 *
5.0	62285 *	65915 *	66385 *	65915 *	62285 *	56790 *	50112 *	41807 *	33562 *	26271 *
3.0	67246 *	70057 *	70737 *	70057 *	67246 *	62350 *	54317 *	45167 *	36322 *	28134 *
1.0	70011 *	71133 *	71194 *	71133 *	70011 *	65228 *	56478 *	46830 *	37350 *	28909 *
0.0	70247 *	71080 *	70773 *	71080 *	70247 *	65075 *	56524 *	47155 *	37891 *	29306 *
-1.0	69001 *	70150 *	70167 *	70150 *	69001 *	64069 *	55186 *	45978 *	36924 *	28641 *
-3.0	64057 *	66973 *	67576 *	66973 *	64057 *	59212 *	52056 *	43165 *	34708 *	27060 *
-5.0	57594 *	60658 *	60847 *	60658 *	57594 *	52095 *	45911 *	38789 *	31261 *	24653 *
-7.0	48953 *	50768 *	51433 *	50768 *	48953 *	44552 *	38971 *	33453 *	27459 *	21726 *
-9.0	39927 *	41523 *	42133 *	41523 *	39927 *	36892 *	32643 *	27843 *	23487 *	19057 *
-11.0	31722 *	32996 *	33486 *	32996 *	31722 *	29451 *	26386 *	23018 *	19429 *	15990 *
-13.0	24670 *	25539 *	25885 *	25539 *	24670 *	23102 *	20812 *	18477 *	15794 *	13202 *
-15.0	18776 *	19436 *	19575 *	19436 *	18776 *	17778 *	16358 *	14426 *	12698 *	10626 *
-17.0	14255 *	14787 *	14966 *	14787 *	14255 *	13484 *	12682 *	11488 *	10007 *	8637 *
-19.5	10249 *	10444 *	10394 *	10444 *	10249 *	9761 *	9189 *	8422 *	7384 *	6443
-22.5	6505	6580	6493	6580	6505	6241	5857	5364	4746	4255
-25.5	3715	3709	3678	3709	3715	3637	3470	3197	2813	2618
-29.0	2103	2129	2122	2129	2103	2028	1904	1815	1734	1593
-33.0	1197	1212	1213	1212	1197	1170	1127	1075	1023	971
-37.5	611	610	607	610	611	619	619	608	590	564
-42.5	487	485	484	485	487	479	470	462	451	437
-47.5	387	385	384	385	387	380	373	365	356	342
-55.0	106	103	101	103	106	106	106	105	102	98
-65.0	20	20	20	20	20	20	20	19	19	19
-75.0	9	9	9	9	9	9	9	9	9	9
-85.0	5	4	4	4	5	5	5	6	6	7
-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	8	8	8	8	9	8	8	7	7	6
75.0	9	9	8	8	8	7	6	6	6	6
65.0	20	19	19	17	17	15	14	12	10	8
55.0	107	102	96	89	82	72	64	53	37	27
47.5	317	305	286	260	239	209	175	146	111	80
42.5	410	389	370	338	305	276	233	193	149	114
37.5	651	611	550	484	434	376	314	260	198	159
33.0	1110	1006	880	751	634	515	434	348	265	207
29.0	1846	1631	1362	1109	885	712	549	439	326	255
25.5	3050	2562	2122	1660	1232	910	684	521	400	291

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

**CANDELA TABULATION - (Cont.)**

22.5	4643	3807	2972	2224	1620	1162	803	586	438	326
19.5	6442	5235	3948	2808	1993	1363	901	643	469	354
17.0	8137 *	6600	4860	3327	2305	1549	979	677	491	374
15.0	9924 *	7762 *	5669	3851	2602	1676	1044	695	509	384
13.0	11705 *	9225 *	6621	4371	2898	1836	1100	721	524	392
11.0	13907 *	10556 *	7481 *	4828	3180	1984	1174	748	535	399
9.0	15921 *	12263 *	8580 *	5488	3510	2117	1245	774	543	404
7.0	18099 *	13560 *	9360 *	5964	3788	2236	1300	793	548	408
5.0	19855 *	14514 *	9921 *	6309	3987	2331	1333	805	551	410
3.0	20998 *	15401 *	10480 *	6529	4101	2379	1351	813	558	415
1.0	21577 *	15921 *	10800 *	6607	4137	2434	1375	819	560	414
0.0	21622 *	16036 *	10875 *	6557	4124	2447	1381	819	561	414
-1.0	21462 *	15848 *	10760 *	6616	4144	2464	1382	820	562	416
-3.0	20383 *	15134 *	10346 *	6540	4120	2460	1372	816	564	420
-5.0	18897 *	14109 *	9708 *	6305	4007	2389	1374	818	560	419
-7.0	17053 *	13026 *	9085 *	5920	3812	2265	1358	822	563	419
-9.0	14840 *	11604 *	8231 *	5388	3516	2136	1319	819	564	418
-11.0	12907 *	10011 *	7156 *	4746	3157	2023	1252	809	562	415
-13.0	10684 *	8584 *	6247	4254	2874	1870	1177	789	557	410
-15.0	8865 *	7061	5356	3689	2563	1676	1119	758	548	403
-17.0	7163 *	5929	4498	3140	2248	1543	1051	736	532	394
-19.5	5457	4536	3550	2604	1947	1343	945	710	508	373
-22.5	3701	3119	2588	1951	1483	1119	824	651	471	343
-25.5	2307	1955	1716	1354	1102	888	707	563	426	309
-29.0	1420	1302	1127	959	800	691	579	474	360	268
-33.0	911	837	755	670	599	533	462	381	291	219
-37.5	530	517	500	470	431	395	342	287	221	171
-42.5	421	405	382	353	322	292	250	214	167	128
-47.5	329	317	296	266	247	219	187	162	119	89
-55.0	93	87	80	76	72	63	57	48	35	26
-65.0	18	18	17	16	15	14	13	11	10	8
-75.0	9	8	8	7	7	6	6	6	5	5
-85.0	7	7	8	8	8	8	7	6	6	5
-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	5	3	1	0	0
75.0	5	4	2	1	0
65.0	7	5	3	1	0
55.0	11	8	4	1	0
47.5	27	10	5	1	0
42.5	50	12	6	1	0
37.5	79	14	6	2	0
33.0	112	16	7	2	0
29.0	142	18	8	2	0
25.5	171	19	8	2	0
22.5	195	25	9	2	0
19.5	210	31	9	2	0
17.0	220	35	9	2	0
15.0	226	38	9	2	0
13.0	232	40	10	2	0
11.0	236	42	10	2	0
9.0	239	44	10	2	0

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

**CANDELA TABULATION - (Cont.)**

<b>7.0</b>	242	45	10	2	0
<b>5.0</b>	245	46	10	2	0
<b>3.0</b>	247	47	10	2	0
<b>1.0</b>	247	47	10	2	0
<b>0.0</b>	247	47	10	2	0
<b>-1.0</b>	248	47	10	2	0
<b>-3.0</b>	249	47	10	2	0
<b>-5.0</b>	247	45	10	2	0
<b>-7.0</b>	246	44	10	2	0
<b>-9.0</b>	244	43	10	2	0
<b>-11.0</b>	240	41	10	2	0
<b>-13.0</b>	235	39	10	2	0
<b>-15.0</b>	229	37	9	2	0
<b>-17.0</b>	221	34	9	2	0
<b>-19.5</b>	210	31	9	2	0
<b>-22.5</b>	194	25	9	2	0
<b>-25.5</b>	172	20	8	2	0
<b>-29.0</b>	146	19	8	2	0
<b>-33.0</b>	117	17	7	2	0
<b>-37.5</b>	86	15	6	2	0
<b>-42.5</b>	56	12	6	1	0
<b>-47.5</b>	29	10	5	1	0
<b>-55.0</b>	12	8	4	1	0
<b>-65.0</b>	6	5	3	1	0
<b>-75.0</b>	5	3	2	1	0
<b>-85.0</b>	5	3	1	0	0
<b>-90.0</b>	0	0	0	0	0

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

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 7670.72

Total Field Lumens (one side of beam only) = 6282.46

\* 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	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06
65	0.05	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.08	0.10
55	0.22	0.45	0.46	0.45	0.44	0.42	0.40	0.38	0.36	0.43
47.5	0.55	1.11	1.11	1.09	1.07	1.04	1.00	0.96	0.91	1.07
42.5	0.63	1.26	1.25	1.24	1.22	1.19	1.15	1.10	1.04	1.22
37.5	0.96	1.91	1.89	1.88	1.84	1.78	1.70	1.61	1.51	1.74
33	1.68	3.32	3.26	3.16	3.01	2.83	2.63	2.43	2.23	2.48
29	2.90	5.75	5.58	5.28	4.94	4.57	4.17	3.71	3.28	3.53
25.5	4.55	9.06	8.80	8.31	7.67	6.92	6.19	5.45	4.66	4.86
22.5	6.66 *	13.18 *	12.72	11.95	10.93	9.74	8.53	7.38	6.18	6.22
19.5	10.45 *	20.55 *	19.62 *	18.30 *	16.67 *	14.74 *	12.76 *	10.79	8.84	8.66
17	12.45 *	24.45 *	23.25 *	21.50 *	19.38 *	16.92 *	14.45 *	12.00 *	9.67	9.33
15	13.16 *	25.94 *	24.67 *	22.63 *	20.06 *	17.33 *	14.60 *	11.93 *	9.49 *	9.00
13	16.93 *	33.36 *	31.67 *	28.83 *	25.27 *	21.61 *	17.94 *	14.41 *	11.31 *	10.59 *
11	21.59 *	42.39 *	40.08 *	36.24 *	31.49 *	26.59 *	21.74 *	17.22 *	13.29 *	12.25 *
9	26.86 *	52.55 *	49.44 *	44.40 *	38.21 *	31.90 *	25.82 *	20.20 *	15.42 *	14.06 *
7	32.45 *	63.25 *	59.17 *	52.68 *	45.13 *	37.39 *	29.94 *	23.17 *	17.52 *	15.82 *
5	37.78 *	73.35 *	68.21 *	60.78 *	52.04 *	42.70 *	33.81 *	25.96 *	19.33 *	17.12 *
3	41.59 *	80.82 *	75.56 *	67.73 *	57.73 *	47.05 *	37.03 *	28.15 *	20.72 *	18.19 *
1	43.12 *	84.76 *	80.47 *	72.21 *	61.17 *	49.70 *	38.95 *	29.44 *	21.64 *	19.02 *
0	21.64 *	42.99 *	41.11 *	36.85 *	31.22 *	25.38 *	19.88 *	14.99 *	11.00 *	9.70 *
-1	21.49 *	42.69 *	40.78 *	36.48 *	30.89 *	25.19 *	19.78 *	14.93 *	10.98 *	9.68 *
	41.86 *	82.25 *	77.89 *	69.83 *	59.24 *	48.23 *	37.94 *	28.83 *	21.32 *	18.83 *

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

**LUMENS TABULATION - (Cont.)**

<b>-3</b>	39.00 *	75.89 *	70.79 *	63.40 *	54.27 *	44.37 *	35.06 *	26.89 *	20.06 *	17.83 *
<b>-5</b>	34.07 *	66.35 *	61.74 *	54.99 *	47.39 *	39.29 *	31.31 *	24.33 *	18.47 *	16.61 *
<b>-7</b>	28.31 *	55.15 *	51.75 *	46.37 *	40.09 *	33.67 *	27.33 *	21.48 *	16.55 *	15.17 *
<b>-9</b>	22.87 *	44.50 *	41.93 *	37.98 *	33.15 *	28.13 *	23.23 *	18.56 *	14.45 *	13.38 *
<b>-11</b>	17.96 *	34.99 *	33.10 *	30.22 *	26.75 *	23.01 *	19.19 *	15.60 *	12.35 *	11.57 *
<b>-13</b>	13.77 *	26.92 *	25.62 *	23.64 *	21.14 *	18.42 *	15.59 *	12.82 *	10.30 *	9.85
<b>-15</b>	10.47 *	20.47 *	19.54 *	18.27 *	16.58 *	14.58 *	12.50 *	10.43 *	8.50 *	8.26
<b>-17</b>	9.63 *	18.93 *	18.14 *	17.08 *	15.75 *	13.99 *	12.09 *	10.23	8.45	8.37
<b>-19.5</b>	7.75 *	15.42 *	14.93 *	14.11 *	13.05 *	11.66	10.20	8.80	7.38	7.48
<b>-22.5</b>	4.67	9.36	9.16	8.73	8.09	7.25	6.45	5.71	4.87	5.09
<b>-25.5</b>	3.10	6.21	6.11	5.85	5.48	5.02	4.57	4.11	3.58	3.86
<b>-29</b>	2.03	4.04	3.95	3.77	3.57	3.39	3.17	2.89	2.62	2.91
<b>-33</b>	1.25	2.49	2.46	2.41	2.33	2.22	2.11	1.98	1.84	2.12
<b>-37.5</b>	0.83	1.67	1.67	1.66	1.63	1.58	1.52	1.44	1.37	1.63
<b>-42.5</b>	0.66	1.33	1.32	1.29	1.26	1.23	1.18	1.13	1.08	1.27
<b>-47.5</b>	0.56	1.12	1.12	1.10	1.07	1.04	1.00	0.96	0.91	1.06
<b>-55</b>	0.19	0.38	0.38	0.38	0.38	0.37	0.35	0.34	0.32	0.37
<b>-65</b>	0.04	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.09
<b>-75</b>	0.02	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.06
<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>	556.77	1090.89	1030.99	933.35	811.89	682.75	557.57	443.03	344.07	320.93

**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>	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01
<b>85</b>	0.07	0.07	0.08	0.08	0.08	0.08	0.07	0.08	0.06	0.03
<b>75</b>	0.11	0.10	0.11	0.11	0.11	0.10	0.08	0.09	0.08	0.04
<b>65</b>	0.47	0.43	0.44	0.43	0.40	0.33	0.22	0.19	0.12	0.05
<b>55</b>	1.17	1.05	1.07	1.02	0.92	0.76	0.51	0.39	0.16	0.05

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

**LUMENS TABULATION - (Cont.)**

<b>47.5</b>										
	1.34	1.19	1.22	1.17	1.05	0.87	0.61	0.48	0.19	0.04
<b>42.5</b>	1.86	1.63	1.65	1.57	1.40	1.17	0.83	0.72	0.29	0.05
<b>37.5</b>	2.56	2.16	2.09	1.93	1.71	1.41	1.00	0.90	0.38	0.05
<b>33</b>	3.50	2.82	2.60	2.31	1.98	1.61	1.13	1.02	0.44	0.05
<b>29</b>	4.67	3.57	3.10	2.61	2.15	1.72	1.20	1.07	0.47	0.05
<b>25.5</b>	5.74	4.22	3.50	2.79	2.18	1.70	1.17	1.05	0.47	0.05
<b>22.5</b>	7.65	5.41	4.36	3.31	2.46	1.87	1.28	1.16	0.53	0.06
<b>19.5</b>	7.97	5.44	4.27	3.13	2.24	1.66	1.14	1.03	0.47	0.05
<b>17</b>	7.55	5.04	3.85	2.74	1.90	1.38	0.95	0.86	0.39	0.05
<b>15</b>	8.75	5.73	4.27	2.95	1.99	1.43	0.97	0.88	0.41	0.05
<b>13</b>	9.94	6.38	4.69	3.18	2.09	1.47	1.00	0.90	0.42	0.05
<b>11</b>	11.25	7.10	5.11	3.40	2.21	1.52	1.01	0.91	0.43	0.06
<b>9</b>	12.54 *	7.83	5.52	3.60	2.30	1.55	1.02	0.92	0.43	0.06
<b>7</b>	13.46 *	8.37	5.85	3.76	2.37	1.57	1.03	0.93	0.44	0.06
<b>5</b>	14.18 *	8.73	6.06	3.86	2.41	1.59	1.04	0.94	0.44	0.06
<b>3</b>	14.68 *	8.92	6.18	3.94	2.44	1.60	1.05	0.95	0.45	0.06
<b>1</b>	7.43 *	4.47	3.11	1.99	1.23	0.80	0.52	0.47	0.22	0.03
<b>0</b>	7.42 *	4.47	3.12	2.00	1.23	0.81	0.53	0.47	0.22	0.03
<b>-1</b>	14.61 *	8.94	6.25	4.01	2.46	1.61	1.06	0.95	0.45	0.06
<b>-3</b>	14.03 *	8.75	6.15	3.97	2.45	1.61	1.06	0.95	0.45	0.06
<b>-5</b>	13.23 *	8.37	5.91	3.86	2.45	1.61	1.06	0.95	0.44	0.06
<b>-7</b>	12.21 *	7.78	5.56	3.70	2.42	1.61	1.06	0.95	0.44	0.06
<b>-9</b>	10.89	7.01	5.13	3.51	2.35	1.61	1.05	0.94	0.43	0.05
<b>-11</b>	9.56	6.27	4.70	3.30	2.25	1.58	1.05	0.93	0.42	0.05
<b>-13</b>	8.34	5.58	4.26	3.05	2.15	1.55	1.03	0.91	0.41	0.05
<b>-15</b>	7.12	4.86	3.80	2.81	2.05	1.50	1.01	0.89	0.40	0.05
<b>-17</b>	7.35	5.19	4.19	3.19	2.41	1.81	1.22	1.07	0.47	0.05
<b>-19.5</b>	6.84	5.00	4.19	3.31	2.63	2.05	1.37	1.20	0.52	0.06

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

**LUMENS TABULATION - (Cont.)**

<b>-22.5</b>	4.87	3.69	3.26	2.77	2.30	1.85	1.25	1.09	0.47	0.05
<b>-25.5</b>	3.85	3.08	2.89	2.62	2.27	1.86	1.28	1.12	0.48	0.05
<b>-29</b>	3.00	2.53	2.49	2.37	2.12	1.76	1.23	1.07	0.45	0.05
<b>-33</b>	2.30	2.04	2.09	2.03	1.85	1.55	1.09	0.95	0.40	0.05
<b>-37.5</b>	1.82	1.64	1.71	1.67	1.53	1.30	0.92	0.79	0.32	0.05
<b>-42.5</b>	1.38	1.24	1.28	1.24	1.14	0.97	0.68	0.54	0.20	0.04
<b>-47.5</b>	1.15	1.03	1.07	1.03	0.95	0.80	0.54	0.42	0.17	0.05
<b>-55</b>	0.40	0.37	0.39	0.38	0.36	0.30	0.21	0.19	0.12	0.05
<b>-65</b>	0.10	0.09	0.10	0.10	0.10	0.09	0.08	0.09	0.07	0.03
<b>-75</b>	0.07	0.06	0.07	0.07	0.07	0.07	0.06	0.07	0.06	0.02
<b>-85</b>	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.01
<b>-90</b>	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.01
<b>Total</b>	267.43	178.70	137.79	100.89	73.18	54.11	36.71	32.55	14.72	2.08

<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		0.28
<b>85</b>				
	0.01	0.00		1.16
<b>75</b>				
	0.01	0.00		1.82
<b>65</b>				
	0.01	0.00		7.09
<b>55</b>				
	0.01	0.00		17.02
<b>47.5</b>				
	0.01	0.00		19.47
<b>42.5</b>				
	0.01	0.00		27.99
<b>37.5</b>				
	0.01	0.00		41.21
<b>33</b>				
	0.01	0.00		61.17
<b>29</b>				
	0.01	0.00		87.08
<b>25.5</b>				
	0.01	0.00		116.35
<b>22.5</b>				
	0.01	0.00		169.47
<b>19.5</b>				
	0.01	0.00		190.82
<b>17</b>				
	0.01	0.00		193.55

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

**LUMENS TABULATION - (Cont.)**

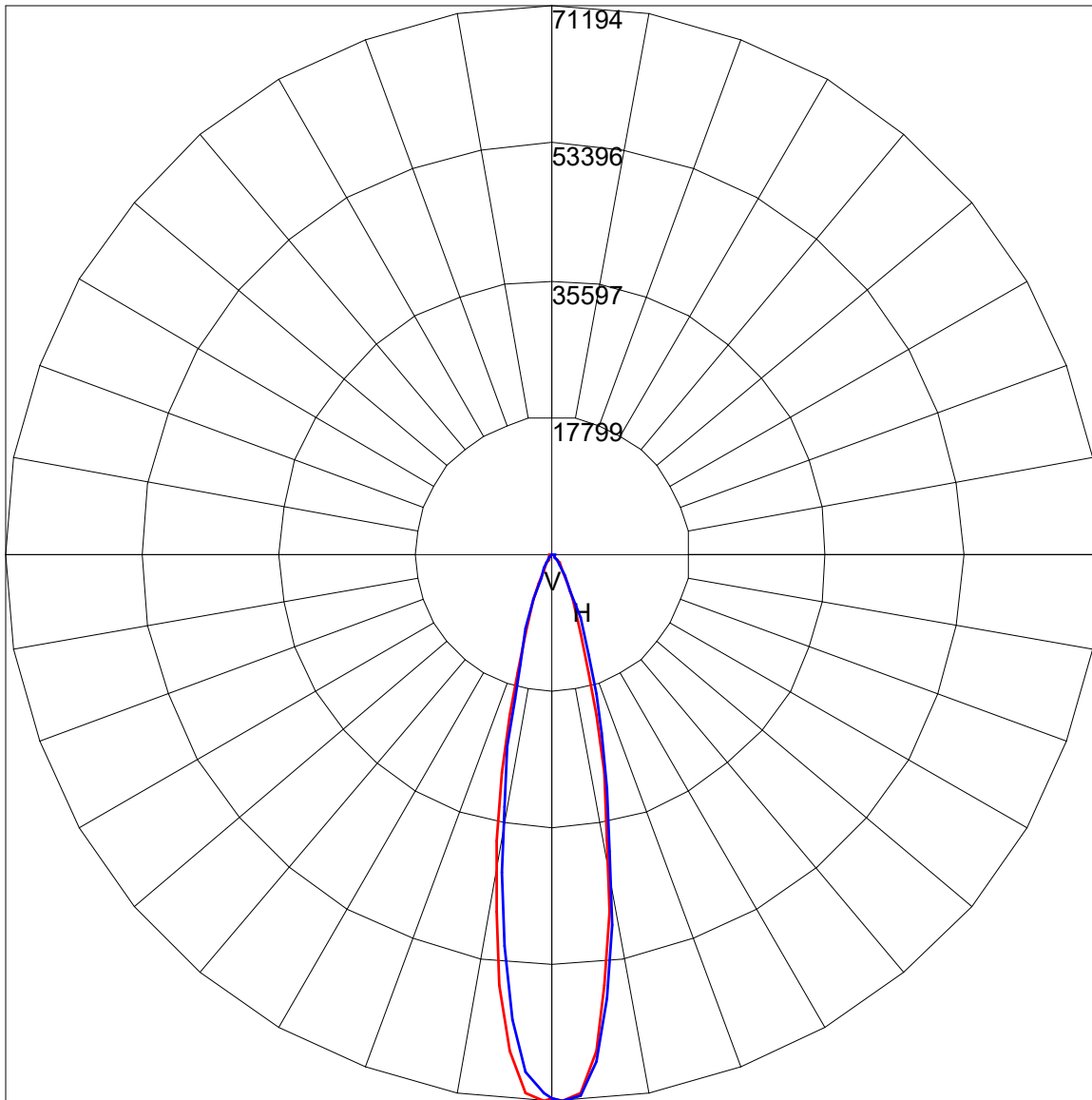
<b>15</b>	0.01	0.00	239.35
<b>13</b>	0.01	0.00	293.01
<b>11</b>	0.01	0.00	351.85
<b>9</b>	0.01	0.00	412.30
<b>7</b>	0.01	0.00	468.93
<b>5</b>	0.01	0.00	513.92
<b>3</b>	0.01	0.00	540.75
<b>1</b>	0.00	0.00	275.06
<b>0</b>	0.00	0.00	273.20
<b>-1</b>	0.01	0.00	526.63
<b>-3</b>	0.01	0.00	487.04
<b>-5</b>	0.01	0.00	432.50
<b>-7</b>	0.01	0.00	371.64
<b>-9</b>	0.01	0.00	311.16
<b>-11</b>	0.01	0.00	254.87
<b>-13</b>	0.01	0.00	205.41
<b>-15</b>	0.01	0.00	164.10
<b>-17</b>	0.01	0.00	159.62
<b>-19.5</b>	0.01	0.00	137.96
<b>-22.5</b>	0.01	0.00	91.00
<b>-25.5</b>	0.01	0.00	67.39
<b>-29</b>	0.01	0.00	49.42
<b>-33</b>	0.01	0.00	35.58
<b>-37.5</b>	0.01	0.00	26.76
<b>-42.5</b>	0.01	0.00	20.45
<b>-47.5</b>	0.01	0.00	17.15
<b>-55</b>	0.01	0.00	6.24
<b>-65</b>	0.01	0.00	1.68

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

**LUMENS TABULATION - (Cont.)**

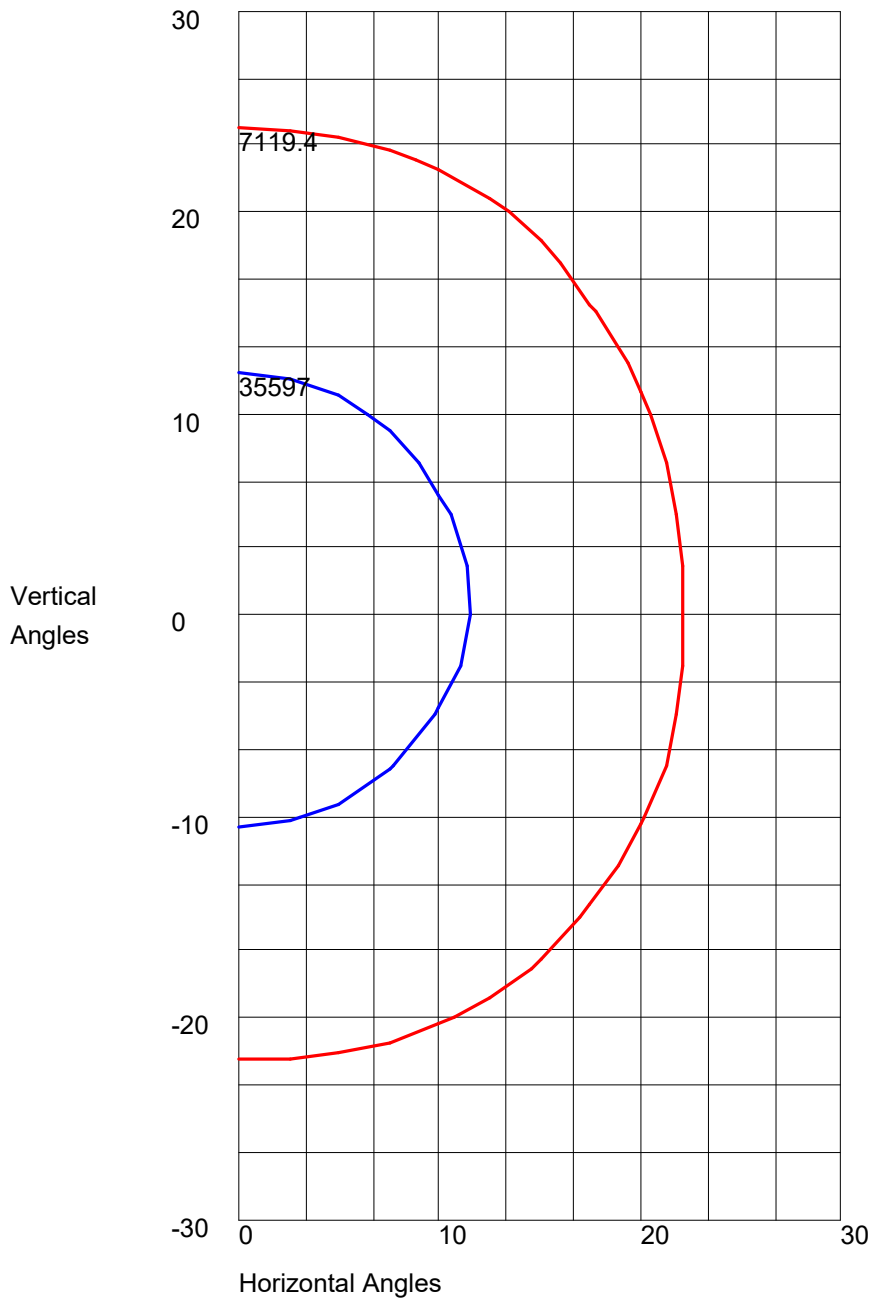
<b>-75</b>	0.01	0.00	1.05
<b>-85</b>	0.00	0.00	0.25
<b>-90</b>			
<b>Total</b>	0.33	0.01	7670.72

AXIAL CANDELA DISPLAY



Maximum Candela = 71194 Located At Horizontal Angle = 0, Vertical Angle = 1  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 71194 Located At Horizontal Angle = 0, Vertical Angle = 1  
50% Maximum Candela = 35597  
10% Maximum Candela = 7119.4