



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-16L-PC-NF-40-80-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-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	73027
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	6395
Beam Efficiency	N.A.
Field Lumens	12888
Field Efficiency	N.A.
Spill Lumens	2848
Luminaire Lumens	15736
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	2	85	6
75	10	75	10
65	48	65	23
55	253	55	125
47.5	425	47.5	365
42.5	575	42.5	480
37.5	840	37.5	819
33	1417	33	1689
29	2510	29	3184
25.5	4230	25.5	5561
22.5	6726	22.5	9360
19.5	11155	19.5	14117
17	16449	17	19459
15	22179	15	24813
13	30061	13	32091
11	38867	11	40544
9	48369	9	50106
7	57979	7	59871
5	66750	5	68094
3	72056	3	72558
1	72910	1	73027
0	72595	0	72595
-1	72910	-1	71973
-3	72056	-3	69316
-5	66750	-5	62414
-7	57979	-7	52757
-9	48369	-9	43218
-11	38867	-11	34349
-13	30061	-13	26552
-15	22179	-15	20079
-17	16449	-17	15352
-19.5	11155	-19.5	10662
-22.5	6726	-22.5	6660
-25.5	4230	-25.5	3772
-29	2510	-29	2177
-33	1417	-33	1243
-37.5	840	-37.5	623
-42.5	575	-42.5	496
-47.5	425	-47.5	394
-55	253	-55	104
-65	48	-65	21
-75	10	-75	9
-85	2	-85	4
-90	0	-90	0

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**CANDELA TABULATION**

Maximum Candela = 73027

Beam Edge = 36513.5 Cd (50% of Max.)

Field Edge = 7302.7 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	28	38	55	66	74
<b>47.5</b>	0	1	5	10	28	82	114	150	180	215
<b>42.5</b>	0	1	6	12	51	117	154	199	239	283
<b>37.5</b>	0	2	6	14	81	163	204	267	322	386
<b>33.0</b>	0	2	7	16	115	212	272	357	445	529
<b>29.0</b>	0	2	8	18	146	262	334	451	564	731
<b>25.5</b>	0	2	8	19	175	298	410	534	701	934
<b>22.5</b>	0	2	9	25	200	334	449	600	823	1192
<b>19.5</b>	0	2	9	31	215	363	482	659	925	1398
<b>17.0</b>	0	2	9	36	225	383	504	695	1004	1588
<b>15.0</b>	0	2	9	39	232	393	523	713	1071	1719
<b>13.0</b>	0	2	10	41	238	402	538	740	1128	1883
<b>11.0</b>	0	2	10	43	242	409	549	767	1204	2035
<b>9.0</b>	0	2	10	45	245	414	557	794	1277	2171
<b>7.0</b>	0	2	10	46	248	418	562	813	1333	2293
<b>5.0</b>	0	2	10	47	251	421	564	826	1368	2392
<b>3.0</b>	0	2	10	48	253	426	572	834	1386	2441
<b>1.0</b>	0	2	10	48	253	425	574	840	1410	2497
<b>0.0</b>	0	2	10	48	253	425	575	840	1417	2510
<b>-1.0</b>	0	2	10	48	254	427	576	841	1418	2528
<b>-3.0</b>	0	2	10	48	255	431	578	837	1408	2524
<b>-5.0</b>	0	2	10	46	253	430	574	839	1409	2450
<b>-7.0</b>	0	2	10	45	252	430	578	843	1393	2323
<b>-9.0</b>	0	2	10	44	250	429	578	840	1353	2191
<b>-11.0</b>	0	2	10	42	246	425	576	830	1284	2075
<b>-13.0</b>	0	2	10	40	241	420	572	809	1208	1918
<b>-15.0</b>	0	2	9	38	235	414	563	778	1148	1719
<b>-17.0</b>	0	2	9	35	227	405	546	755	1078	1583
<b>-19.5</b>	0	2	9	32	215	382	521	728	969	1377
<b>-22.5</b>	0	2	9	26	199	352	483	669	845	1148
<b>-25.5</b>	0	2	8	21	177	317	437	578	725	911
<b>-29.0</b>	0	2	8	20	149	275	368	486	595	709
<b>-33.0</b>	0	2	7	18	120	225	299	390	473	546
<b>-37.5</b>	0	2	6	15	88	176	227	294	351	405
<b>-42.5</b>	0	1	6	12	57	131	171	219	257	300
<b>-47.5</b>	0	1	5	10	30	91	122	166	192	224
<b>-55.0</b>	0	1	4	8	12	26	36	49	59	65
<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

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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	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	18	19	20	21	21	22	22	22	23
55.0	84	91	98	105	110	114	119	124	128	130
47.5	245	267	294	313	325	338	350	356	361	364
42.5	313	346	379	399	421	441	458	467	473	477
37.5	445	496	564	626	668	705	739	769	789	800
33.0	650	771	903	1032	1139	1233	1345	1453	1544	1619
29.0	909	1138	1397	1673	1893	2179	2416	2604	2793	2990
25.5	1264	1703	2177	2628	3129	3604	3979	4523	4975	5322
22.5	1662	2281	3048	3905	4763	5575	6425	7274	8015 *	8654 *
19.5	2044	2880	4050	5369	6608	8018 *	9258 *	10651 *	11847 *	12788 *
17.0	2364	3413	4985	6770	8346 *	10353 *	12161 *	14218 *	16010 *	17596 *
15.0	2669	3950	5816	7962 *	10179 *	12509 *	15249 *	17636 *	20352 *	22683 *
13.0	2972	4483	6792	9463 *	12006 *	15305 *	18697 *	22316 *	25639 *	28943 *
11.0	3262	4952	7674 *	10828 *	14265 *	18195 *	22631 *	27289 *	31856 *	36269 *
9.0	3600	5629	8801 *	12578 *	16330 *	21304 *	26761 *	32396 *	38384 *	43844 *
7.0	3886	6117	9601 *	13909 *	18565 *	24224 *	30802 *	37897 *	44796 *	51342 *
5.0	4089	6472	10177 *	14888 *	20366 *	26947 *	34426 *	42884 *	51402 *	58252 *
3.0	4206	6698	10750 *	15798 *	21538 *	28859 *	37257 *	46330 *	55716 *	63955 *
1.0	4243	6778	11078 *	16332 *	22132 *	29653 *	38311 *	48036 *	57932 *	66907 *
0.0	4230	6726	11155 *	16449 *	22179 *	30061 *	38867 *	48369 *	57979 *	66750 *
-1.0	4251	6786	11037 *	16256 *	22014 *	29379 *	37875 *	47161 *	56607 *	65718 *
-3.0	4226	6708	10612 *	15524 *	20908 *	27757 *	35602 *	44276 *	53396 *	60737 *
-5.0	4110	6468	9957 *	14472 *	19384 *	25287 *	32066 *	39788 *	47093 *	53437 *
-7.0	3910	6072	9318 *	13361 *	17491 *	22286 *	28166 *	34314 *	39974 *	45700 *
-9.0	3606	5526	8442 *	11903 *	15222 *	19548 *	24092 *	28559 *	33483 *	37842 *
-11.0	3238	4868	7341 *	10268 *	13239 *	16401 *	19929 *	23610 *	27066 *	30210 *
-13.0	2948	4363	6408	8805 *	10959 *	13543 *	16201 *	18952 *	21348 *	23696 *
-15.0	2629	3784	5494	7243	9093 *	10900 *	13025 *	14797 *	16779 *	18235 *
-17.0	2306	3221	4614	6082	7348 *	8859 *	10265 *	11784 *	13009 *	13831 *
-19.5	1997	2671	3641	4653	5598	6609	7574 *	8639 *	9426 *	10012 *
-22.5	1521	2001	2654	3199	3797	4364	4868	5502	6008	6402
-25.5	1131	1389	1760	2006	2367	2685	2886	3280	3559	3730
-29.0	821	984	1156	1336	1457	1634	1778	1862	1953	2081
-33.0	614	687	774	858	934	996	1049	1103	1156	1200
-37.5	442	482	513	530	544	579	605	623	634	635
-42.5	331	362	392	415	432	448	463	473	482	491
-47.5	253	273	303	325	337	351	365	374	383	390
-55.0	74	78	82	89	95	100	105	108	109	109
-65.0	15	16	17	18	19	19	20	20	20	21
-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	23	23	23	23	23	23	22	22	22	21

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**CANDELA TABULATION - (Cont.)**

55.0	132	127	125	127	132	130	128	124	119	114
47.5	368	366	365	366	368	364	361	356	350	338
42.5	481	480	480	480	481	477	473	467	458	441
37.5	800	816	819	816	800	800	789	769	739	705
33.0	1671	1690	1689	1690	1671	1619	1544	1453	1345	1233
29.0	3133	3188	3184	3188	3133	2990	2793	2604	2416	2179
25.5	5537	5590	5561	5590	5537	5322	4975	4523	3979	3604
22.5	9108 *	9369 *	9360 *	9369 *	9108 *	8654 *	8015 *	7274	6425	5575
19.5	13610 *	14068 *	14117 *	14068 *	13610 *	12788 *	11847 *	10651 *	9258 *	8018 *
17.0	18806 *	19434 *	19459 *	19434 *	18806 *	17596 *	16010 *	14218 *	12161 *	10353 *
15.0	24210 *	24954 *	24813 *	24954 *	24210 *	22683 *	20352 *	17636 *	15249 *	12509 *
13.0	31077 *	32153 *	32091 *	32153 *	31077 *	28943 *	25639 *	22316 *	18697 *	15305 *
11.0	39004 *	40597 *	40544 *	40597 *	39004 *	36269 *	31856 *	27289 *	22631 *	18195 *
9.0	47779 *	49676 *	50106 *	49676 *	47779 *	43844 *	38384 *	32396 *	26761 *	21304 *
7.0	56769 *	58886 *	59871 *	58886 *	56769 *	51342 *	44796 *	37897 *	30802 *	24224 *
5.0	63889 *	67612 *	68094 *	67612 *	63889 *	58252 *	51402 *	42884 *	34426 *	26947 *
3.0	68977 *	71860 *	72558 *	71860 *	68977 *	63955 *	55716 *	46330 *	37257 *	28859 *
1.0	71813 *	72964 *	73027 *	72964 *	71813 *	66907 *	57932 *	48036 *	38311 *	29653 *
0.0	72056 *	72910 *	72595 *	72910 *	72056 *	66750 *	57979 *	48369 *	38867 *	30061 *
-1.0	70777 *	71956 *	71973 *	71956 *	70777 *	65718 *	56607 *	47161 *	37875 *	29379 *
-3.0	65706 *	68697 *	69316 *	68697 *	65706 *	60737 *	53396 *	44276 *	35602 *	27757 *
-5.0	59077 *	62220 *	62414 *	62220 *	59077 *	53437 *	47093 *	39788 *	32066 *	25287 *
-7.0	50214 *	52075 *	52757 *	52075 *	50214 *	45700 *	39974 *	34314 *	28166 *	22286 *
-9.0	40955 *	42592 *	43218 *	42592 *	40955 *	37842 *	33483 *	28559 *	24092 *	19548 *
-11.0	32538 *	33846 *	34349 *	33846 *	32538 *	30210 *	27066 *	23610 *	19929 *	16401 *
-13.0	25305 *	26197 *	26552 *	26197 *	25305 *	23696 *	21348 *	18952 *	16201 *	13543 *
-15.0	19259 *	19936 *	20079 *	19936 *	19259 *	18235 *	16779 *	14797 *	13025 *	10900 *
-17.0	14621 *	15168 *	15352 *	15168 *	14621 *	13831 *	13009 *	11784 *	10265 *	8859 *
-19.5	10513 *	10712 *	10662 *	10712 *	10513 *	10012 *	9426 *	8639 *	7574 *	6609
-22.5	6672	6749	6660	6749	6672	6402	6008	5502	4868	4364
-25.5	3810	3804	3772	3804	3810	3730	3559	3280	2886	2685
-29.0	2157	2184	2177	2184	2157	2081	1953	1862	1778	1634
-33.0	1228	1243	1243	1243	1228	1200	1156	1103	1049	996
-37.5	627	626	623	626	627	635	634	623	605	579
-42.5	500	497	496	497	500	491	482	473	463	448
-47.5	397	395	394	395	397	390	383	374	365	351
-55.0	109	106	104	106	109	109	109	108	105	100
-65.0	21	21	21	21	21	21	20	20	20	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. 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	8	8	8	8	9	8	8	7	7	6
75.0	9	9	8	8	8	7	6	6	6	6
65.0	21	20	19	18	17	15	14	12	10	8
55.0	110	105	98	91	84	74	66	55	38	28
47.5	325	313	294	267	245	215	180	150	114	82
42.5	421	399	379	346	313	283	239	199	154	117
37.5	668	626	564	496	445	386	322	267	204	163
33.0	1139	1032	903	771	650	529	445	357	272	212
29.0	1893	1673	1397	1138	909	731	564	451	334	262
25.5	3129	2628	2177	1703	1264	934	701	534	410	298

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**CANDELA TABULATION - (Cont.)**

22.5	4763	3905	3048	2281	1662	1192	823	600	449	334
19.5	6608	5369	4050	2880	2044	1398	925	659	482	363
17.0	8346 *	6770	4985	3413	2364	1588	1004	695	504	383
15.0	10179 *	7962 *	5816	3950	2669	1719	1071	713	523	393
13.0	12006 *	9463 *	6792	4483	2972	1883	1128	740	538	402
11.0	14265 *	10828 *	7674 *	4952	3262	2035	1204	767	549	409
9.0	16330 *	12578 *	8801 *	5629	3600	2171	1277	794	557	414
7.0	18565 *	13909 *	9601 *	6117	3886	2293	1333	813	562	418
5.0	20366 *	14888 *	10177 *	6472	4089	2392	1368	826	564	421
3.0	21538 *	15798 *	10750 *	6698	4206	2441	1386	834	572	426
1.0	22132 *	16332 *	11078 *	6778	4243	2497	1410	840	574	425
0.0	22179 *	16449 *	11155 *	6726	4230	2510	1417	840	575	425
-1.0	22014 *	16256 *	11037 *	6786	4251	2528	1418	841	576	427
-3.0	20908 *	15524 *	10612 *	6708	4226	2524	1408	837	578	431
-5.0	19384 *	14472 *	9957 *	6468	4110	2450	1409	839	574	430
-7.0	17491 *	13361 *	9318 *	6072	3910	2323	1393	843	578	430
-9.0	15222 *	11903 *	8442 *	5526	3606	2191	1353	840	578	429
-11.0	13239 *	10268 *	7341 *	4868	3238	2075	1284	830	576	425
-13.0	10959 *	8805 *	6408	4363	2948	1918	1208	809	572	420
-15.0	9093 *	7243	5494	3784	2629	1719	1148	778	563	414
-17.0	7348 *	6082	4614	3221	2306	1583	1078	755	546	405
-19.5	5598	4653	3641	2671	1997	1377	969	728	521	382
-22.5	3797	3199	2654	2001	1521	1148	845	669	483	352
-25.5	2367	2006	1760	1389	1131	911	725	578	437	317
-29.0	1457	1336	1156	984	821	709	595	486	368	275
-33.0	934	858	774	687	614	546	473	390	299	225
-37.5	544	530	513	482	442	405	351	294	227	176
-42.5	432	415	392	362	331	300	257	219	171	131
-47.5	337	325	303	273	253	224	192	166	122	91
-55.0	95	89	82	78	74	65	59	49	36	26
-65.0	19	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	28	10	5	1	0
42.5	51	12	6	1	0
37.5	81	14	6	2	0
33.0	115	16	7	2	0
29.0	146	18	8	2	0
25.5	175	19	8	2	0
22.5	200	25	9	2	0
19.5	215	31	9	2	0
17.0	225	36	9	2	0
15.0	232	39	9	2	0
13.0	238	41	10	2	0
11.0	242	43	10	2	0
9.0	245	45	10	2	0

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-16L-PC-NF-40-80-FGS.IES**

**CANDELA TABULATION - (Cont.)**

<b>7.0</b>	248	46	10	2	0
<b>5.0</b>	251	47	10	2	0
<b>3.0</b>	253	48	10	2	0
<b>1.0</b>	253	48	10	2	0
<b>0.0</b>	253	48	10	2	0
<b>-1.0</b>	254	48	10	2	0
<b>-3.0</b>	255	48	10	2	0
<b>-5.0</b>	253	46	10	2	0
<b>-7.0</b>	252	45	10	2	0
<b>-9.0</b>	250	44	10	2	0
<b>-11.0</b>	246	42	10	2	0
<b>-13.0</b>	241	40	10	2	0
<b>-15.0</b>	235	38	9	2	0
<b>-17.0</b>	227	35	9	2	0
<b>-19.5</b>	215	32	9	2	0
<b>-22.5</b>	199	26	9	2	0
<b>-25.5</b>	177	21	8	2	0
<b>-29.0</b>	149	20	8	2	0
<b>-33.0</b>	120	18	7	2	0
<b>-37.5</b>	88	15	6	2	0
<b>-42.5</b>	57	12	6	1	0
<b>-47.5</b>	30	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-40-80-FGS.IES**

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 7868.01

Total Field Lumens (one side of beam only) = 6444.2

\* 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	0.10	0.09	0.09	0.09	0.09	0.10
55	0.23	0.46	0.47	0.46	0.45	0.43	0.41	0.39	0.37	0.44
47.5	0.56	1.13	1.13	1.12	1.10	1.07	1.03	0.98	0.94	1.10
42.5	0.64	1.29	1.28	1.27	1.25	1.22	1.18	1.13	1.07	1.25
37.5	0.99	1.96	1.94	1.92	1.88	1.82	1.75	1.65	1.55	1.78
33	1.72	3.41	3.34	3.24	3.09	2.91	2.70	2.49	2.28	2.54
29	2.97	5.89	5.72	5.42	5.06	4.69	4.27	3.81	3.36	3.62
25.5	4.67	9.30	9.03	8.52	7.86	7.10	6.35	5.59	4.78	4.98
22.5	6.83 *	13.52 *	13.05	12.25	11.22	9.99	8.75	7.57	6.34	6.38
19.5	10.72 *	21.08 *	20.13 *	18.77 *	17.10 *	15.12 *	13.08 *	11.07	9.07	8.88
17	12.77 *	25.08 *	23.85 *	22.05 *	19.88 *	17.36 *	14.82 *	12.31 *	9.92	9.57
15	13.50 *	26.61 *	25.31 *	23.22 *	20.58 *	17.78 *	14.98 *	12.23 *	9.74 *	9.23
13	17.36 *	34.21 *	32.49 *	29.57 *	25.92 *	22.17 *	18.40 *	14.78 *	11.60 *	10.86 *
11	22.14 *	43.48 *	41.11 *	37.17 *	32.31 *	27.28 *	22.29 *	17.67 *	13.63 *	12.57 *
9	27.55 *	53.90 *	50.71 *	45.55 *	39.19 *	32.72 *	26.48 *	20.72 *	15.81 *	14.42 *
7	33.28 *	64.87 *	60.69 *	54.03 *	46.29 *	38.35 *	30.72 *	23.77 *	17.97 *	16.23 *
5	38.75 *	75.24 *	69.96 *	62.34 *	53.38 *	43.80 *	34.68 *	26.63 *	19.83 *	17.56 *
3	42.66 *	82.90 *	77.51 *	69.47 *	59.22 *	48.26 *	37.98 *	28.88 *	21.25 *	18.66 *
1	44.23 *	86.95 *	82.54 *	74.07 *	62.74 *	50.98 *	39.95 *	30.20 *	22.19 *	19.51 *
0	22.20 *	44.10 *	42.16 *	37.80 *	32.02 *	26.04 *	20.39 *	15.37 *	11.29 *	9.95 *
-1	22.04 *	43.79 *	41.83 *	37.42 *	31.69 *	25.84 *	20.29 *	15.31 *	11.26 *	9.93 *
	42.94 *	84.36 *	79.90 *	71.63 *	60.76 *	49.47 *	38.92 *	29.57 *	21.87 *	19.32 *



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-16L-PC-NF-40-80-FGS.IES**

**LUMENS TABULATION - (Cont.)**

<b>-3</b>	40.00 *	77.84 *	72.61 *	65.03 *	55.67 *	45.52 *	35.97 *	27.59 *	20.58 *	18.28 *
<b>-5</b>	34.95 *	68.06 *	63.33 *	56.41 *	48.61 *	40.30 *	32.12 *	24.96 *	18.95 *	17.03 *
<b>-7</b>	29.03 *	56.57 *	53.09 *	47.56 *	41.12 *	34.54 *	28.03 *	22.03 *	16.98 *	15.56 *
<b>-9</b>	23.46 *	45.64 *	43.01 *	38.96 *	34.00 *	28.85 *	23.83 *	19.04 *	14.83 *	13.72 *
<b>-11</b>	18.42 *	35.89 *	33.96 *	31.00 *	27.44 *	23.61 *	19.69 *	16.00 *	12.67 *	11.87 *
<b>-13</b>	14.13 *	27.61 *	26.28 *	24.25 *	21.68 *	18.89 *	15.99 *	13.15 *	10.57 *	10.11
<b>-15</b>	10.74 *	21.00 *	20.04 *	18.74 *	17.00 *	14.96 *	12.83 *	10.70 *	8.72 *	8.47
<b>-17</b>	9.88 *	19.41 *	18.60 *	17.52 *	16.16 *	14.35 *	12.40 *	10.50	8.67	8.58
<b>-19.5</b>	7.95 *	15.82 *	15.31 *	14.47 *	13.38 *	11.96	10.46	9.03	7.57	7.67
<b>-22.5</b>	4.79	9.61	9.40	8.95	8.30	7.44	6.62	5.86	4.99	5.22
<b>-25.5</b>	3.18	6.37	6.26	6.00	5.62	5.15	4.68	4.21	3.67	3.96
<b>-29</b>	2.09	4.15	4.05	3.87	3.66	3.47	3.25	2.97	2.68	2.98
<b>-33</b>	1.28	2.55	2.52	2.47	2.39	2.28	2.16	2.03	1.89	2.18
<b>-37.5</b>	0.85	1.71	1.71	1.70	1.67	1.62	1.56	1.48	1.41	1.67
<b>-42.5</b>	0.68	1.36	1.35	1.32	1.29	1.26	1.21	1.16	1.10	1.30
<b>-47.5</b>	0.57	1.15	1.15	1.13	1.10	1.07	1.03	0.98	0.93	1.08
<b>-55</b>	0.19	0.39	0.40	0.39	0.39	0.38	0.36	0.34	0.32	0.37
<b>-65</b>	0.05	0.09	0.09	0.09	0.09	0.09	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>	571.11	1118.97	1057.53	957.37	832.79	700.32	571.92	454.43	352.93	329.18

**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	0.11	0.11	0.11	0.11	0.10	0.08	0.09	0.08	0.04
<b>65</b>	0.48	0.44	0.45	0.44	0.41	0.34	0.23	0.19	0.12	0.05
<b>55</b>	1.20	1.08	1.10	1.05	0.95	0.78	0.53	0.40	0.16	0.05

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-16L-PC-NF-40-80-FGS.IES**

**LUMENS TABULATION - (Cont.)**

<b>47.5</b>										
	1.37	1.22	1.25	1.20	1.07	0.90	0.63	0.50	0.19	0.04
<b>42.5</b>	1.90	1.67	1.69	1.61	1.44	1.20	0.86	0.74	0.30	0.05
<b>37.5</b>	2.62	2.22	2.14	1.98	1.75	1.44	1.03	0.92	0.39	0.05
<b>33</b>	3.59	2.89	2.67	2.37	2.03	1.65	1.16	1.05	0.45	0.05
<b>29</b>	4.79	3.66	3.18	2.68	2.20	1.76	1.23	1.10	0.48	0.05
<b>25.5</b>	5.89	4.33	3.59	2.86	2.23	1.74	1.20	1.08	0.48	0.05
<b>22.5</b>	7.84	5.55	4.47	3.40	2.52	1.92	1.31	1.19	0.54	0.06
<b>19.5</b>	8.17	5.58	4.38	3.21	2.30	1.71	1.17	1.06	0.48	0.06
<b>17</b>	7.75	5.17	3.95	2.81	1.95	1.42	0.97	0.88	0.40	0.05
<b>15</b>	8.97	5.87	4.38	3.03	2.04	1.47	1.00	0.90	0.42	0.05
<b>13</b>	10.19	6.54	4.81	3.26	2.15	1.51	1.02	0.92	0.43	0.05
<b>11</b>	11.54	7.28	5.24	3.49	2.26	1.56	1.04	0.94	0.44	0.06
<b>9</b>	12.86 *	8.03	5.66	3.69	2.36	1.59	1.05	0.95	0.44	0.06
<b>7</b>	13.81 *	8.58	6.00	3.86	2.43	1.61	1.06	0.96	0.45	0.06
<b>5</b>	14.54 *	8.96	6.22	3.96	2.47	1.63	1.07	0.97	0.46	0.06
<b>3</b>	15.06 *	9.15	6.34	4.04	2.50	1.64	1.08	0.97	0.46	0.06
<b>1</b>	7.62 *	4.59	3.19	2.05	1.26	0.82	0.54	0.48	0.23	0.03
<b>0</b>	7.61 *	4.59	3.20	2.06	1.26	0.83	0.54	0.49	0.23	0.03
<b>-1</b>	14.99 *	9.17	6.41	4.11	2.52	1.65	1.08	0.98	0.46	0.06
<b>-3</b>	14.39 *	8.98	6.31	4.07	2.51	1.65	1.08	0.98	0.46	0.06
<b>-5</b>	13.57 *	8.58	6.06	3.95	2.51	1.65	1.08	0.98	0.45	0.06
<b>-7</b>	12.52 *	7.98	5.70	3.79	2.48	1.66	1.08	0.97	0.45	0.06
<b>-9</b>	11.17	7.19	5.26	3.60	2.41	1.65	1.08	0.96	0.44	0.06
<b>-11</b>	9.80	6.43	4.82	3.39	2.31	1.63	1.07	0.95	0.43	0.05
<b>-13</b>	8.55	5.73	4.37	3.13	2.21	1.59	1.06	0.94	0.42	0.05
<b>-15</b>	7.30	4.98	3.90	2.89	2.10	1.54	1.04	0.92	0.41	0.05
<b>-17</b>	7.54	5.32	4.30	3.27	2.47	1.86	1.25	1.10	0.48	0.06
<b>-19.5</b>	7.02	5.13	4.30	3.40	2.70	2.10	1.40	1.23	0.54	0.06

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-16L-PC-NF-40-80-FGS.IES**

**LUMENS TABULATION - (Cont.)**

<b>-22.5</b>	4.99	3.78	3.35	2.84	2.36	1.90	1.28	1.12	0.48	0.05
<b>-25.5</b>	3.95	3.16	2.96	2.69	2.33	1.91	1.32	1.15	0.49	0.05
<b>-29</b>	3.07	2.59	2.55	2.43	2.18	1.80	1.26	1.10	0.47	0.06
<b>-33</b>	2.36	2.09	2.14	2.09	1.90	1.59	1.12	0.98	0.41	0.05
<b>-37.5</b>	1.86	1.69	1.75	1.71	1.57	1.33	0.95	0.81	0.33	0.05
<b>-42.5</b>	1.42	1.27	1.31	1.27	1.17	0.99	0.69	0.55	0.21	0.04
<b>-47.5</b>	1.18	1.06	1.09	1.06	0.98	0.82	0.56	0.43	0.17	0.05
<b>-55</b>	0.41	0.38	0.40	0.39	0.37	0.31	0.22	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>	274.30	183.29	141.32	103.49	75.06	55.50	37.65	33.36	15.07	2.11

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
<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	1.85	
<b>65</b>				
	0.01	0.00	7.27	
<b>55</b>				
	0.01	0.00	17.46	
<b>47.5</b>				
	0.01	0.00	19.97	
<b>42.5</b>				
	0.01	0.00	28.71	
<b>37.5</b>				
	0.01	0.00	42.27	
<b>33</b>				
	0.01	0.00	62.75	
<b>29</b>				
	0.01	0.00	89.32	
<b>25.5</b>				
	0.01	0.00	119.34	
<b>22.5</b>				
	0.01	0.00	173.82	
<b>19.5</b>				
	0.01	0.00	195.73	
<b>17</b>				
	0.01	0.00	198.53	

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-16L-PC-NF-40-80-FGS.IES**

**LUMENS TABULATION - (Cont.)**

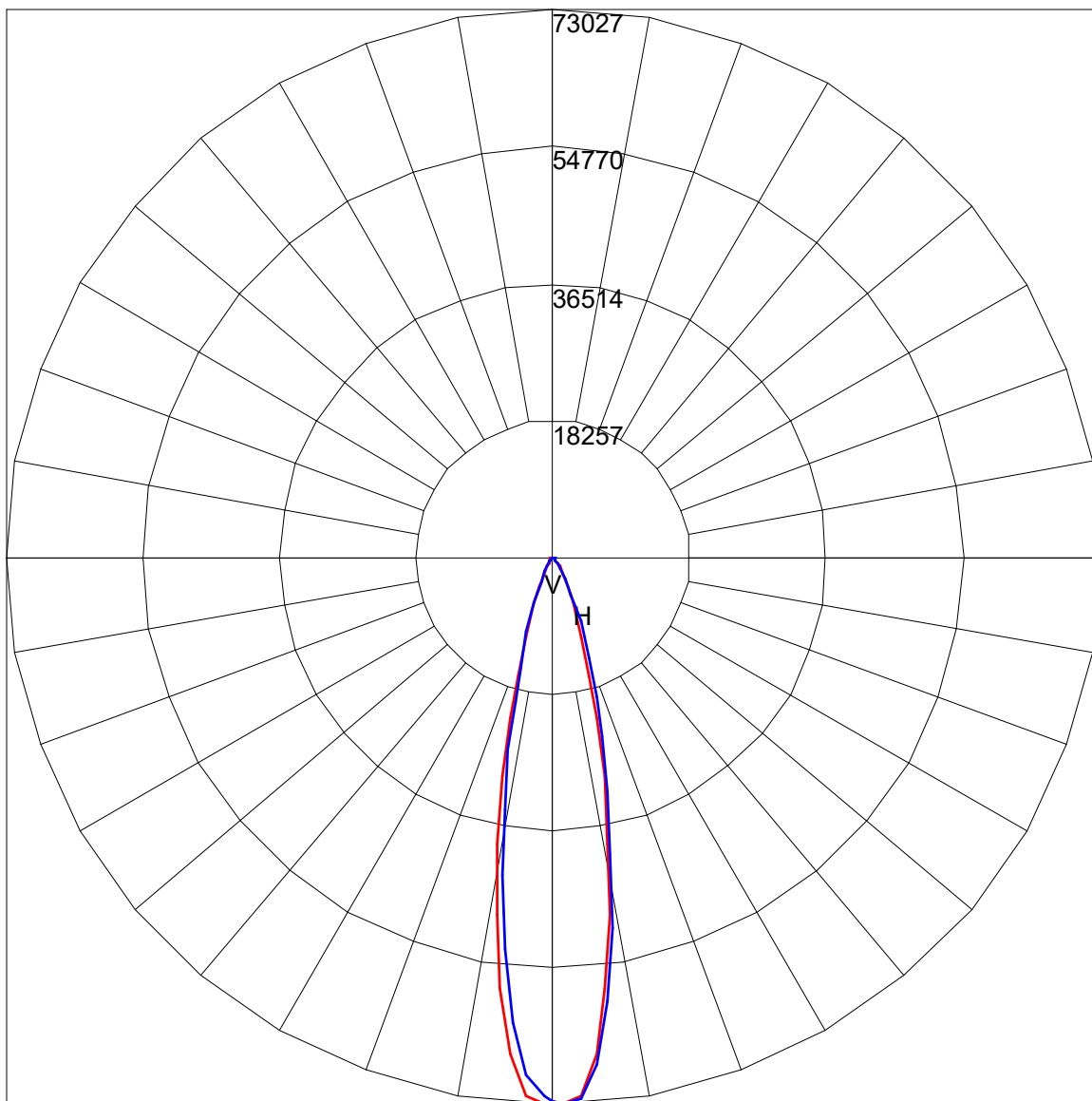
<b>15</b>	0.01	0.00	245.51
<b>13</b>	0.01	0.00	300.55
<b>11</b>	0.01	0.00	360.91
<b>9</b>	0.01	0.00	422.91
<b>7</b>	0.01	0.00	481.00
<b>5</b>	0.01	0.00	527.15
<b>3</b>	0.01	0.00	554.67
<b>1</b>	0.00	0.00	282.14
<b>0</b>	0.00	0.00	280.23
<b>-1</b>	0.01	0.00	540.19
<b>-3</b>	0.01	0.00	499.57
<b>-5</b>	0.01	0.00	443.63
<b>-7</b>	0.01	0.00	381.21
<b>-9</b>	0.01	0.00	319.17
<b>-11</b>	0.01	0.00	261.43
<b>-13</b>	0.01	0.00	210.70
<b>-15</b>	0.01	0.00	168.32
<b>-17</b>	0.01	0.00	163.73
<b>-19.5</b>	0.01	0.00	141.51
<b>-22.5</b>	0.01	0.00	93.34
<b>-25.5</b>	0.01	0.00	69.13
<b>-29</b>	0.01	0.00	50.68
<b>-33</b>	0.01	0.00	36.49
<b>-37.5</b>	0.01	0.00	27.44
<b>-42.5</b>	0.01	0.00	20.96
<b>-47.5</b>	0.01	0.00	17.58
<b>-55</b>	0.01	0.00	6.39
<b>-65</b>	0.01	0.00	1.70

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-16L-PC-NF-40-80-FGS.IES**

**LUMENS TABULATION - (Cont.)**

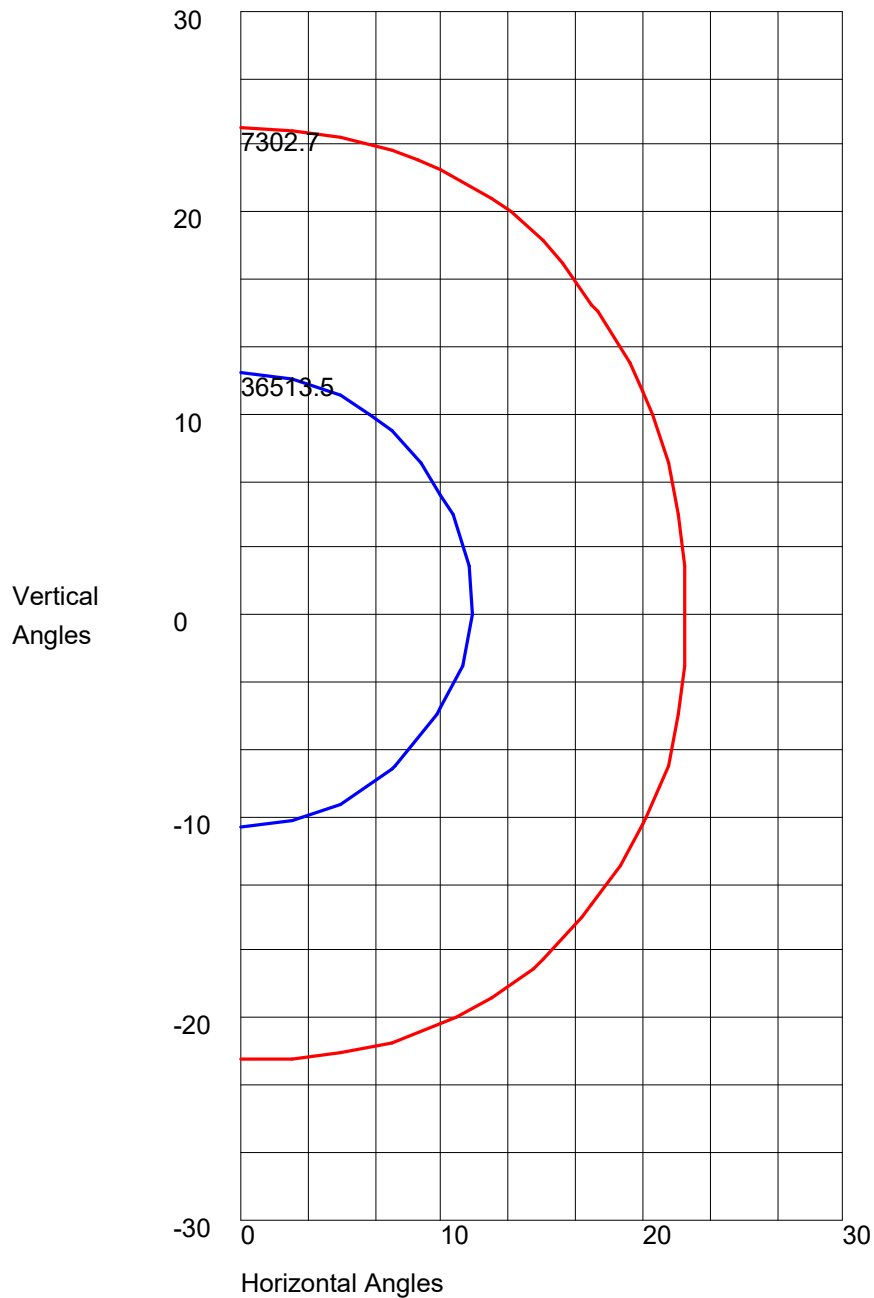
<b>-75</b>	0.01	0.00	1.05
<b>-85</b>	0.00	0.00	0.25
<b>-90</b>			
<b>Total</b>	0.33	0.01	7868.01

AXIAL CANDELA DISPLAY



Maximum Candela = 73027 Located At Horizontal Angle = 0, Vertical Angle = 1  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 73027 Located At Horizontal Angle = 0, Vertical Angle = 1  
50% Maximum Candela = 36513.5  
10% Maximum Candela = 7302.7