



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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12451
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 03/05/21
[TEST DATE] 01/20/21
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] PFL-LED-16L-PC-NF-40-80
[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	72601
Maximum Candela Angle	-1H 0V
Horizontal Beam Angle (50%)	22.3
Vertical Beam Angle (50%)	22.5
Horizontal Field Angle (10%)	45.5
Vertical Field Angle (10%)	46.6
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	6226
Beam Efficiency	N.A.
Field Lumens	12784
Field Efficiency	N.A.
Spill Lumens	4685
Luminaire Lumens	17469
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	83	85	105
75	244	75	297
65	409	65	448
55	595	55	664
47.5	792	47.5	802
42.5	909	42.5	989
37.5	1184	37.5	1112
33	1813	33	1937
29	3043	29	3243
25.5	4883	25.5	5215
22.5	7488	22.5	8007
19.5	11555	19.5	12360
17	16557	17	17230
15	21602	15	22185
13	28535	13	29024
11	36918	11	37069
9	46310	9	45947
7	56131	7	55282
5	65665	5	64690
3	71278	3	70530
1	72601	1	72325
0	72548	0	72548
-1	72601	-1	72325
-3	71278	-3	70530
-5	65665	-5	64690
-7	56131	-7	55282
-9	46310	-9	45947
-11	36918	-11	37069
-13	28535	-13	29024
-15	21602	-15	22185
-17	16557	-17	17230
-19.5	11555	-19.5	12360
-22.5	7488	-22.5	8007
-25.5	4883	-25.5	5215
-29	3043	-29	3243
-33	1813	-33	1937
-37.5	1184	-37.5	1112
-42.5	909	-42.5	989
-47.5	792	-47.5	802
-55	595	-55	664
-65	409	-65	448
-75	244	-75	297
-85	83	-85	105
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 72601

Beam Edge = 36300.5 Cd (50% of Max.)

Field Edge = 7260.1 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	8	26	50	68	80	86	91	96	103
75.0	0	23	73	138	185	212	228	245	257	264
65.0	0	38	109	196	263	314	350	375	392	403
55.0	0	50	140	228	324	394	432	470	502	530
47.5	0	58	160	260	373	457	514	575	623	669
42.5	0	63	173	282	408	509	581	650	718	775
37.5	0	67	185	305	445	564	646	735	821	882
33.0	0	70	195	326	477	608	704	806	900	983
29.0	0	73	204	344	503	646	758	864	976	1093
25.5	0	75	212	360	524	677	795	915	1051	1257
22.5	0	77	218	369	540	706	824	955	1142	1473
19.5	0	78	223	379	554	731	849	999	1243	1695
17.0	0	79	227	386	564	748	865	1025	1343	1924
15.0	0	80	231	391	571	758	878	1038	1418	2100
13.0	0	81	233	396	578	766	889	1072	1481	2289
11.0	0	83	236	400	583	773	897	1104	1567	2464
9.0	0	83	238	403	588	779	902	1132	1653	2622
7.0	0	83	240	405	591	783	904	1150	1719	2773
5.0	0	83	242	407	594	786	902	1159	1761	2899
3.0	0	83	243	409	596	791	908	1168	1783	2974
1.0	0	83	244	409	595	792	909	1181	1807	3032
0.0	0	83	244	409	595	792	909	1184	1813	3043
-1.0	0	83	244	409	595	792	909	1181	1807	3032
-3.0	0	83	243	409	596	791	908	1168	1783	2974
-5.0	0	83	242	407	594	786	902	1159	1761	2899
-7.0	0	83	240	405	591	783	904	1150	1719	2773
-9.0	0	83	238	403	588	779	902	1132	1653	2622
-11.0	0	83	236	400	583	773	897	1104	1567	2464
-13.0	0	81	233	396	578	766	889	1072	1481	2289
-15.0	0	80	231	391	571	758	878	1038	1418	2100
-17.0	0	79	227	386	564	748	865	1025	1343	1924
-19.5	0	78	223	379	554	731	849	999	1243	1695
-22.5	0	77	218	369	540	706	824	955	1142	1473
-25.5	0	75	212	360	524	677	795	915	1051	1257
-29.0	0	73	204	344	503	646	758	864	976	1093
-33.0	0	70	195	326	477	608	704	806	900	983
-37.5	0	67	185	305	445	564	646	735	821	882
-42.5	0	63	173	282	408	509	581	650	718	775
-47.5	0	58	160	260	373	457	514	575	623	669
-55.0	0	50	140	228	324	394	432	470	502	530
-65.0	0	38	109	196	263	314	350	375	392	403
-75.0	0	23	73	138	185	212	228	245	257	264
-85.0	0	8	26	50	68	80	86	91	96	103
-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	108	109	108	107	106	105	107	105	104	103
75.0	268	270	271	272	272	275	279	282	286	290
65.0	415	423	428	432	435	438	441	444	446	447
55.0	557	576	594	610	622	633	641	648	654	660
47.5	703	730	754	771	781	790	797	803	805	805
42.5	810	842	872	893	906	920	935	946	957	969
37.5	921	954	989	1010	1023	1059	1080	1088	1103	1108
33.0	1063	1160	1266	1376	1468	1545	1639	1731	1804	1857
29.0	1251	1452	1687	1915	2109	2344	2541	2713	2889	3042
25.5	1533	1886	2313	2716	3113	3505	3841	4267	4627	4904
22.5	1910	2433	3109	3789	4428	5086	5708	6447	7059	7537 *
19.5	2348	3087	4114	5183	6176	7297 *	8347 *	9505 *	10499 *	11302 *
17.0	2697	3720	5100	6633	7971 *	9587 *	11057 *	12796 *	14283 *	15544 *
15.0	3047	4295	5987	7843 *	9767 *	11687 *	13996 *	16009 *	18202 *	20165 *
13.0	3407	4905	6990	9376 *	11590 *	14338 *	17239 *	20317 *	23003 *	25822 *
11.0	3729	5481	7968 *	10800 *	13723 *	17060 *	20938 *	25075 *	28939 *	32408 *
9.0	4102	6119	9069 *	12444 *	15676 *	20014 *	24931 *	30219 *	35556 *	40115 *
7.0	4411	6634	9972 *	13931 *	17980 *	22805 *	28772 *	35508 *	42068 *	48132 *
5.0	4639	7054	10663 *	15148 *	19801 *	25582 *	32404 *	40354 *	48587 *	55595 *
3.0	4780	7357 *	11266 *	16101 *	21064 *	27583 *	35491 *	44367 *	53577 *	61787 *
1.0	4866	7511 *	11559 *	16591 *	21779 *	28652 *	37177 *	46623 *	56331 *	65818 *
0.0	4883	7488 *	11555 *	16557 *	21602 *	28535 *	36918 *	46310 *	56131 *	65665 *
-1.0	4866	7511 *	11559 *	16591 *	21779 *	28652 *	37177 *	46623 *	56331 *	65818 *
-3.0	4780	7357 *	11266 *	16101 *	21064 *	27583 *	35491 *	44367 *	53577 *	61787 *
-5.0	4639	7054	10663 *	15148 *	19801 *	25582 *	32404 *	40354 *	48587 *	55595 *
-7.0	4411	6634	9972 *	13931 *	17980 *	22805 *	28772 *	35508 *	42068 *	48132 *
-9.0	4102	6119	9069 *	12444 *	15676 *	20014 *	24931 *	30219 *	35556 *	40115 *
-11.0	3729	5481	7968 *	10800 *	13723 *	17060 *	20938 *	25075 *	28939 *	32408 *
-13.0	3407	4905	6990	9376 *	11590 *	14338 *	17239 *	20317 *	23003 *	25822 *
-15.0	3047	4295	5987	7843 *	9767 *	11687 *	13996 *	16009 *	18202 *	20165 *
-17.0	2697	3720	5100	6633	7971 *	9587 *	11057 *	12796 *	14283 *	15544 *
-19.5	2348	3087	4114	5183	6176	7297 *	8347 *	9505 *	10499 *	11302 *
-22.5	1910	2433	3109	3789	4428	5086	5708	6447	7059	7537 *
-25.5	1533	1886	2313	2716	3113	3505	3841	4267	4627	4904
-29.0	1251	1452	1687	1915	2109	2344	2541	2713	2889	3042
-33.0	1063	1160	1266	1376	1468	1545	1639	1731	1804	1857
-37.5	921	954	989	1010	1023	1059	1080	1088	1103	1108
-42.5	810	842	872	893	906	920	935	946	957	969
-47.5	703	730	754	771	781	790	797	803	805	805
-55.0	557	576	594	610	622	633	641	648	654	660
-65.0	415	423	428	432	435	438	441	444	446	447
-75.0	268	270	271	272	272	275	279	282	286	290
-85.0	108	109	108	107	106	105	107	105	104	103
-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	104	105	105	105	104	103	104	105	107	105
75.0	293	296	297	296	293	290	286	282	279	275
65.0	448	448	448	448	448	447	446	444	441	438

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CANDELA TABULATION - (Cont.)

55.0	665	664	664	664	665	660	654	648	641	633
47.5	804	803	802	803	804	805	805	803	797	790
42.5	982	987	989	987	982	969	957	946	935	920
37.5	1107	1112	1112	1112	1107	1108	1103	1088	1080	1059
33.0	1889	1925	1937	1925	1889	1857	1804	1731	1639	1545
29.0	3144	3220	3243	3220	3144	3042	2889	2713	2541	2344
25.5	5087	5192	5215	5192	5087	4904	4627	4267	3841	3505
22.5	7855 *	8022 *	8007 *	8022 *	7855 *	7537 *	7059	6447	5708	5086
19.5	12014 *	12379 *	12360 *	12379 *	12014 *	11302 *	10499 *	9505 *	8347 *	7297 *
17.0	16675 *	17306 *	17230 *	17306 *	16675 *	15544 *	14283 *	12796 *	11057 *	9587 *
15.0	21605 *	22420 *	22185 *	22420 *	21605 *	20165 *	18202 *	16009 *	13996 *	11687 *
13.0	27993 *	29187 *	29024 *	29187 *	27993 *	25822 *	23003 *	20317 *	17239 *	14338 *
11.0	35426 *	37242 *	37069 *	37242 *	35426 *	32408 *	28939 *	25075 *	20938 *	17060 *
9.0	43704 *	46036 *	45947 *	46036 *	43704 *	40115 *	35556 *	30219 *	24931 *	20014 *
7.0	52455 *	55159 *	55282 *	55159 *	52455 *	48132 *	42068 *	35508 *	28772 *	22805 *
5.0	60900 *	64502 *	64690 *	64502 *	60900 *	55595 *	48587 *	40354 *	32404 *	25582 *
3.0	67229 *	69943 *	70530 *	69943 *	67229 *	61787 *	53577 *	44367 *	35491 *	27583 *
1.0	71028 *	72394 *	72325 *	72394 *	71028 *	65818 *	56331 *	46623 *	37177 *	28652 *
0.0	71278 *	72601 *	72548 *	72601 *	71278 *	65665 *	56131 *	46310 *	36918 *	28535 *
-1.0	71028 *	72394 *	72325 *	72394 *	71028 *	65818 *	56331 *	46623 *	37177 *	28652 *
-3.0	67229 *	69943 *	70530 *	69943 *	67229 *	61787 *	53577 *	44367 *	35491 *	27583 *
-5.0	60900 *	64502 *	64690 *	64502 *	60900 *	55595 *	48587 *	40354 *	32404 *	25582 *
-7.0	52455 *	55159 *	55282 *	55159 *	52455 *	48132 *	42068 *	35508 *	28772 *	22805 *
-9.0	43704 *	46036 *	45947 *	46036 *	43704 *	40115 *	35556 *	30219 *	24931 *	20014 *
-11.0	35426 *	37242 *	37069 *	37242 *	35426 *	32408 *	28939 *	25075 *	20938 *	17060 *
-13.0	27993 *	29187 *	29024 *	29187 *	27993 *	25822 *	23003 *	20317 *	17239 *	14338 *
-15.0	21605 *	22420 *	22185 *	22420 *	21605 *	20165 *	18202 *	16009 *	13996 *	11687 *
-17.0	16675 *	17306 *	17230 *	17306 *	16675 *	15544 *	14283 *	12796 *	11057 *	9587 *
-19.5	12014 *	12379 *	12360 *	12379 *	12014 *	11302 *	10499 *	9505 *	8347 *	7297 *
-22.5	7855 *	8022 *	8007 *	8022 *	7855 *	7537 *	7059	6447	5708	5086
-25.5	5087	5192	5215	5192	5087	4904	4627	4267	3841	3505
-29.0	3144	3220	3243	3220	3144	3042	2889	2713	2541	2344
-33.0	1889	1925	1937	1925	1889	1857	1804	1731	1639	1545
-37.5	1107	1112	1112	1112	1107	1108	1103	1088	1080	1059
-42.5	982	987	989	987	982	969	957	946	935	920
-47.5	804	803	802	803	804	805	805	803	797	790
-55.0	665	664	664	664	665	660	654	648	641	633
-65.0	448	448	448	448	448	447	446	444	441	438
-75.0	293	296	297	296	293	290	286	282	279	275
-85.0	104	105	105	105	104	103	104	105	107	105
-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	106	107	108	109	108	103	96	91	86	80
75.0	272	272	271	270	268	264	257	245	228	212
65.0	435	432	428	423	415	403	392	375	350	314
55.0	622	610	594	576	557	530	502	470	432	394
47.5	781	771	754	730	703	669	623	575	514	457
42.5	906	893	872	842	810	775	718	650	581	509
37.5	1023	1010	989	954	921	882	821	735	646	564
33.0	1468	1376	1266	1160	1063	983	900	806	704	608
29.0	2109	1915	1687	1452	1251	1093	976	864	758	646
25.5	3113	2716	2313	1886	1533	1257	1051	915	795	677

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CANDELA TABULATION - (Cont.)

22.5	4428	3789	3109	2433	1910	1473	1142	955	824	706
19.5	6176	5183	4114	3087	2348	1695	1243	999	849	731
17.0	7971 *	6633	5100	3720	2697	1924	1343	1025	865	748
15.0	9767 *	7843 *	5987	4295	3047	2100	1418	1038	878	758
13.0	11590 *	9376 *	6990	4905	3407	2289	1481	1072	889	766
11.0	13723 *	10800 *	7968 *	5481	3729	2464	1567	1104	897	773
9.0	15676 *	12444 *	9069 *	6119	4102	2622	1653	1132	902	779
7.0	17980 *	13931 *	9972 *	6634	4411	2773	1719	1150	904	783
5.0	19801 *	15148 *	10663 *	7054	4639	2899	1761	1159	902	786
3.0	21064 *	16101 *	11266 *	7357 *	4780	2974	1783	1168	908	791
1.0	21779 *	16591 *	11559 *	7511 *	4866	3032	1807	1181	909	792
0.0	21602 *	16557 *	11555 *	7488 *	4883	3043	1813	1184	909	792
-1.0	21779 *	16591 *	11559 *	7511 *	4866	3032	1807	1181	909	792
-3.0	21064 *	16101 *	11266 *	7357 *	4780	2974	1783	1168	908	791
-5.0	19801 *	15148 *	10663 *	7054	4639	2899	1761	1159	902	786
-7.0	17980 *	13931 *	9972 *	6634	4411	2773	1719	1150	904	783
-9.0	15676 *	12444 *	9069 *	6119	4102	2622	1653	1132	902	779
-11.0	13723 *	10800 *	7968 *	5481	3729	2464	1567	1104	897	773
-13.0	11590 *	9376 *	6990	4905	3407	2289	1481	1072	889	766
-15.0	9767 *	7843 *	5987	4295	3047	2100	1418	1038	878	758
-17.0	7971 *	6633	5100	3720	2697	1924	1343	1025	865	748
-19.5	6176	5183	4114	3087	2348	1695	1243	999	849	731
-22.5	4428	3789	3109	2433	1910	1473	1142	955	824	706
-25.5	3113	2716	2313	1886	1533	1257	1051	915	795	677
-29.0	2109	1915	1687	1452	1251	1093	976	864	758	646
-33.0	1468	1376	1266	1160	1063	983	900	806	704	608
-37.5	1023	1010	989	954	921	882	821	735	646	564
-42.5	906	893	872	842	810	775	718	650	581	509
-47.5	781	771	754	730	703	669	623	575	514	457
-55.0	622	610	594	576	557	530	502	470	432	394
-65.0	435	432	428	423	415	403	392	375	350	314
-75.0	272	272	271	270	268	264	257	245	228	212
-85.0	106	107	108	109	108	103	96	91	86	80
-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	68	50	26	8	0
75.0	185	138	73	23	0
65.0	263	196	109	38	0
55.0	324	228	140	50	0
47.5	373	260	160	58	0
42.5	408	282	173	63	0
37.5	445	305	185	67	0
33.0	477	326	195	70	0
29.0	503	344	204	73	0
25.5	524	360	212	75	0
22.5	540	369	218	77	0
19.5	554	379	223	78	0
17.0	564	386	227	79	0
15.0	571	391	231	80	0
13.0	578	396	233	81	0
11.0	583	400	236	83	0
9.0	588	403	238	83	0

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CANDELA TABULATION - (Cont.)

7.0	591	405	240	83	0
5.0	594	407	242	83	0
3.0	596	409	243	83	0
1.0	595	409	244	83	0
0.0	595	409	244	83	0
-1.0	595	409	244	83	0
-3.0	596	409	243	83	0
-5.0	594	407	242	83	0
-7.0	591	405	240	83	0
-9.0	588	403	238	83	0
-11.0	583	400	236	83	0
-13.0	578	396	233	81	0
-15.0	571	391	231	80	0
-17.0	564	386	227	79	0
-19.5	554	379	223	78	0
-22.5	540	369	218	77	0
-25.5	524	360	212	75	0
-29.0	503	344	204	73	0
-33.0	477	326	195	70	0
-37.5	445	305	185	67	0
-42.5	408	282	173	63	0
-47.5	373	260	160	58	0
-55.0	324	228	140	50	0
-65.0	263	196	109	38	0
-75.0	185	138	73	23	0
-85.0	68	50	26	8	0
-90.0	0	0	0	0	0

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

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 8734.33

Total Field Lumens (one side of beam only) = 6392.05

* 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	0.08	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.19
75	0.61	1.21	1.20	1.19	1.17	1.16	1.14	1.12	1.11	1.37
65	1.13	2.26	2.25	2.23	2.20	2.17	2.13	2.10	2.07	2.54
55	1.69	3.39	3.37	3.34	3.31	3.26	3.21	3.14	3.07	3.73
47.5	1.68	3.35	3.34	3.32	3.29	3.25	3.20	3.13	3.06	3.70
42.5	1.36	2.72	2.70	2.68	2.65	2.61	2.56	2.51	2.45	2.97
37.5	1.60	3.19	3.16	3.13	3.09	3.04	2.97	2.89	2.81	3.40
33	2.09	4.13	4.08	4.00	3.89	3.74	3.57	3.39	3.21	3.78
29	3.15	6.20	6.04	5.81	5.51	5.17	4.81	4.41	4.02	4.52
25.5	4.50	8.87	8.60	8.20	7.65	7.01	6.38	5.73	5.05	5.46
22.5	6.04	11.94	11.57	10.96	10.14	9.12	8.11	7.15	6.17	6.47
19.5	9.31 *	18.39 *	17.64 *	16.54 *	15.16 *	13.50 *	11.82	10.19	8.60	8.78
17	11.28 *	22.21 *	21.09 *	19.55 *	17.75 *	15.64 *	13.51 *	11.46 *	9.50	9.51
15	12.05 *	23.75 *	22.48 *	20.66 *	18.49 *	16.16 *	13.80 *	11.53 *	9.43 *	9.24
13	15.66 *	30.81 *	29.04 *	26.41 *	23.39 *	20.27 *	17.06 *	14.00 *	11.30 *	10.92 *
11	20.18 *	39.53 *	36.96 *	33.37 *	29.36 *	25.07 *	20.73 *	16.76 *	13.32 *	12.70 *
9	25.33 *	49.44 *	46.08 *	41.51 *	36.13 *	30.35 *	24.71 *	19.65 *	15.41 *	14.57 *
7	30.83 *	60.08 *	56.03 *	50.25 *	43.24 *	35.83 *	28.76 *	22.60 *	17.58 *	16.42 *
5	36.50 *	70.93 *	65.96 *	58.88 *	50.23 *	41.11 *	32.64 *	25.47 *	19.58 *	17.98 *
3	41.07 *	79.93 *	74.60 *	66.51 *	56.37 *	45.78 *	36.07 *	27.79 *	21.12 *	19.23 *
1	43.44 *	85.42 *	80.78 *	71.95 *	60.60 *	49.09 *	38.41 *	29.28 *	22.12 *	20.07 *
0	22.07 *	43.73 *	41.60 *	36.95 *	30.98 *	25.05 *	19.56 *	14.86 *	11.20 *	10.17 *
-1	22.07 *	43.73 *	41.60 *	36.95 *	30.98 *	25.05 *	19.56 *	14.86 *	11.20 *	10.17 *
	43.44 *	85.42 *	80.78 *	71.95 *	60.60 *	49.09 *	38.41 *	29.28 *	22.12 *	20.07 *

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

LUMENS TABULATION - (Cont.)

-3	41.07 *	79.93 *	74.60 *	66.51 *	56.37 *	45.78 *	36.07 *	27.79 *	21.12 *	19.23 *
-5	36.50 *	70.93 *	65.96 *	58.88 *	50.23 *	41.11 *	32.64 *	25.47 *	19.58 *	17.98 *
-7	30.83 *	60.08 *	56.03 *	50.25 *	43.24 *	35.83 *	28.76 *	22.60 *	17.58 *	16.42 *
-9	25.33 *	49.44 *	46.08 *	41.51 *	36.13 *	30.35 *	24.71 *	19.65 *	15.41 *	14.57 *
-11	20.18 *	39.53 *	36.96 *	33.37 *	29.36 *	25.07 *	20.73 *	16.76 *	13.32 *	12.70 *
-13	15.66 *	30.81 *	29.04 *	26.41 *	23.39 *	20.27 *	17.06 *	14.00 *	11.30 *	10.92 *
-15	12.05 *	23.75 *	22.48 *	20.66 *	18.49 *	16.16 *	13.80 *	11.53 *	9.43 *	9.24
-17	11.28 *	22.21 *	21.09 *	19.55 *	17.75 *	15.64 *	13.51 *	11.46 *	9.50	9.51
-19.5	9.31 *	18.39 *	17.64 *	16.54 *	15.16 *	13.50 *	11.82	10.19	8.60	8.78
-22.5	6.04	11.94	11.57	10.96	10.14	9.12	8.11	7.15	6.17	6.47
-25.5	4.50	8.87	8.60	8.20	7.65	7.01	6.38	5.73	5.05	5.46
-29	3.15	6.20	6.04	5.81	5.51	5.17	4.81	4.41	4.02	4.52
-33	2.09	4.13	4.08	4.00	3.89	3.74	3.57	3.39	3.21	3.78
-37.5	1.60	3.19	3.16	3.13	3.09	3.04	2.97	2.89	2.81	3.40
-42.5	1.36	2.72	2.70	2.68	2.65	2.61	2.56	2.51	2.45	2.97
-47.5	1.68	3.35	3.34	3.32	3.29	3.25	3.20	3.13	3.06	3.70
-55	1.69	3.39	3.37	3.34	3.31	3.26	3.21	3.14	3.07	3.73
-65	1.13	2.26	2.25	2.23	2.20	2.17	2.13	2.10	2.07	2.54
-75	0.61	1.21	1.20	1.19	1.17	1.16	1.14	1.12	1.11	1.37
-85	0.08	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.19
-90										
Total	583.30	1143.27	1077.52	975.20	849.48	717.05	590.62	478.66	384.64	375.45

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.23	0.23	0.25	0.26	0.26	0.26	0.22	0.26	0.22	0.10
85	1.62	1.58	1.76	1.88	1.93	1.90	1.63	1.95	1.68	0.75
75	2.97	2.87	3.20	3.44	3.55	3.49	2.97	3.48	2.97	1.34
65	4.31	4.11	4.51	4.77	4.87	4.74	4.01	4.63	3.84	1.75
55	4.25	4.02	4.37	4.55	4.55	4.35	3.63	4.15	3.38	1.54

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5										
	3.41	3.22	3.50	3.64	3.59	3.38	2.77	3.12	2.52	1.14
42.5	3.90	3.68	4.01	4.17	4.09	3.81	3.10	3.44	2.74	1.23
37.5	4.19	3.85	4.10	4.21	4.11	3.79	3.05	3.37	2.66	1.18
33	4.75	4.11	4.16	4.13	3.97	3.65	2.92	3.19	2.51	1.11
29	5.48	4.47	4.26	4.00	3.73	3.40	2.71	2.94	2.30	1.02
25.5	6.23	4.86	4.39	3.86	3.41	3.05	2.42	2.62	2.05	0.90
22.5	8.15	6.12	5.28	4.35	3.64	3.17	2.51	2.71	2.10	0.93
19.5	8.54	6.18	5.13	4.05	3.22	2.72	2.15	2.32	1.79	0.79
17	8.15	5.74	4.63	3.54	2.70	2.22	1.75	1.89	1.45	0.64
15	9.46	6.53	5.14	3.81	2.80	2.26	1.77	1.91	1.47	0.65
13	10.81	7.31	5.63	4.07	2.92	2.31	1.79	1.93	1.49	0.66
11	12.21	8.11	6.12	4.34	3.05	2.35	1.80	1.95	1.50	0.66
9	13.56 *	8.88	6.59	4.58	3.16	2.38	1.81	1.96	1.51	0.67
7	14.64 *	9.49	6.98	4.78	3.24	2.40	1.82	1.97	1.52	0.67
5	15.50 *	9.95	7.25	4.92	3.29	2.41	1.82	1.98	1.53	0.68
3	16.08 *	10.23	7.42	5.01	3.32	2.43	1.83	1.98	1.53	0.68
1	8.13 *	5.16	3.75	2.53	1.67	1.22	0.92	0.99	0.76	0.34
0	8.13 *	5.16	3.75	2.53	1.67	1.22	0.92	0.99	0.76	0.34
-1	16.08 *	10.23	7.42	5.01	3.32	2.43	1.83	1.98	1.53	0.68
-3	15.50 *	9.95	7.25	4.92	3.29	2.41	1.82	1.98	1.53	0.68
-5	14.64 *	9.49	6.98	4.78	3.24	2.40	1.82	1.97	1.52	0.67
-7	13.56 *	8.88	6.59	4.58	3.16	2.38	1.81	1.96	1.51	0.67
-9	12.21	8.11	6.12	4.34	3.05	2.35	1.80	1.95	1.50	0.66
-11	10.81	7.31	5.63	4.07	2.92	2.31	1.79	1.93	1.49	0.66
-13	9.46	6.53	5.14	3.81	2.80	2.26	1.77	1.91	1.47	0.65
-15	8.15	5.74	4.63	3.54	2.70	2.22	1.75	1.89	1.45	0.64
-17	8.54	6.18	5.13	4.05	3.22	2.72	2.15	2.32	1.79	0.79
-19.5	8.15	6.12	5.28	4.35	3.64	3.17	2.51	2.71	2.10	0.93

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	6.23	4.86	4.39	3.86	3.41	3.05	2.42	2.62	2.05	0.90
-25.5	5.48	4.47	4.26	4.00	3.73	3.40	2.71	2.94	2.30	1.02
-29	4.75	4.11	4.16	4.13	3.97	3.65	2.92	3.19	2.51	1.11
-33	4.19	3.85	4.10	4.21	4.11	3.79	3.05	3.37	2.66	1.18
-37.5	3.90	3.68	4.01	4.17	4.09	3.81	3.10	3.44	2.74	1.23
-42.5	3.41	3.22	3.50	3.64	3.59	3.38	2.77	3.12	2.52	1.14
-47.5	4.25	4.02	4.37	4.55	4.55	4.35	3.63	4.15	3.38	1.54
-55	4.31	4.11	4.51	4.77	4.87	4.74	4.01	4.63	3.84	1.75
-65	2.97	2.87	3.20	3.44	3.55	3.49	2.97	3.48	2.97	1.34
-75	1.62	1.58	1.76	1.88	1.93	1.90	1.63	1.95	1.68	0.75
-85	0.23	0.23	0.25	0.26	0.26	0.26	0.22	0.26	0.22	0.10
-90										
Total	333.13	241.41	204.85	169.73	142.17	123.45	98.84	109.45	87.05	38.87

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.02	0.00		3.85
85				
	0.17	0.01		28.12
75				
	0.32	0.01		51.68
65				
	0.45	0.01		73.53
55				
	0.40	0.01		70.52
47.5				
	0.30	0.01		55.82
42.5				
	0.32	0.01		63.78
37.5				
	0.31	0.01		70.70
33				
	0.29	0.01		84.44
29				
	0.26	0.01		102.02
25.5				
	0.23	0.01		121.70
22.5				
	0.24	0.01		169.15
19.5				
	0.20	0.01		188.63
17				
	0.16	0.01		190.47

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

LUMENS TABULATION - (Cont.)

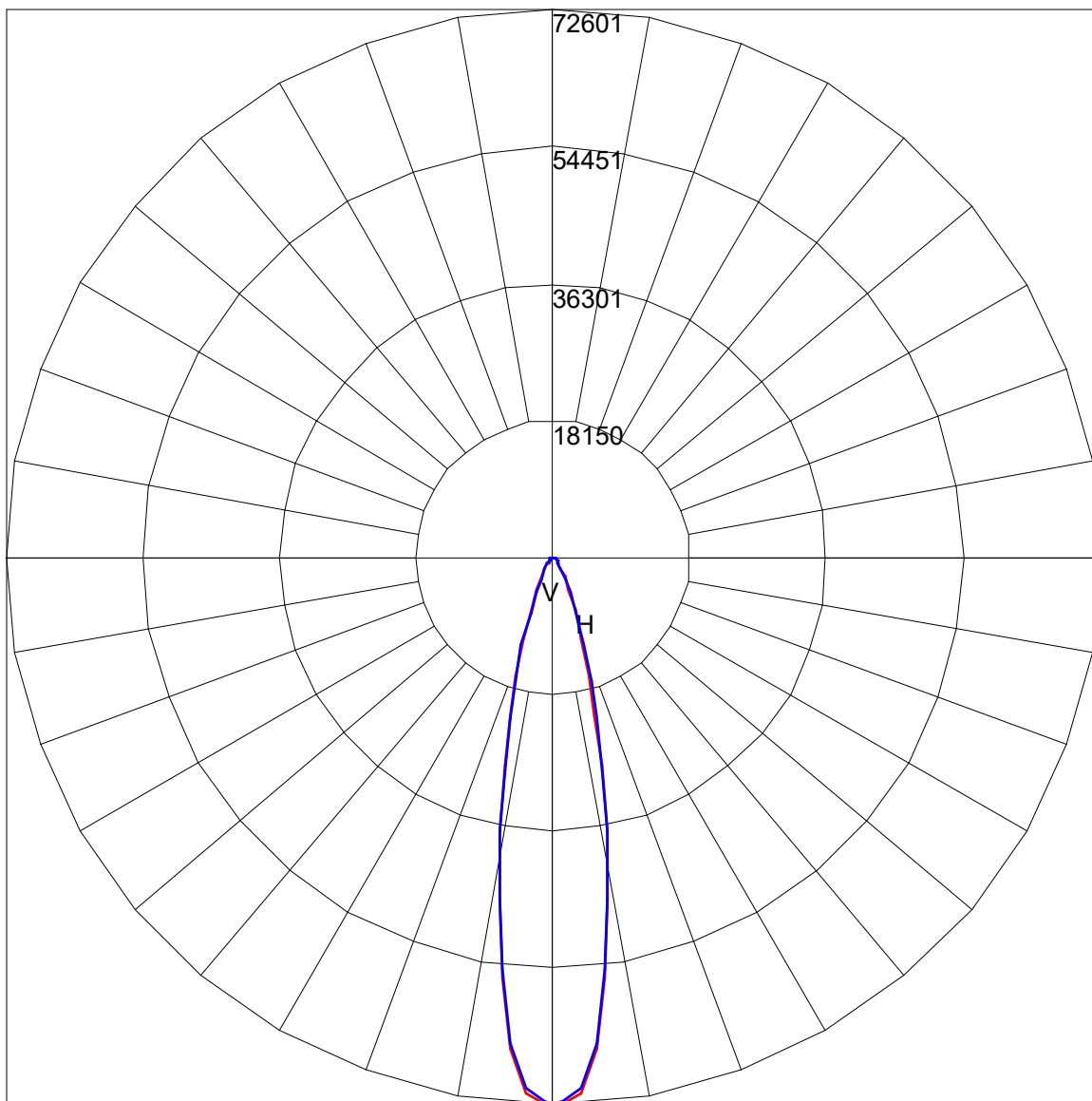
15	0.17	0.01	234.83
13	0.17	0.01	287.09
11	0.17	0.01	345.45
9	0.17	0.01	406.89
7	0.17	0.01	466.95
5	0.17	0.01	517.95
3	0.17	0.01	551.85
1	0.09	0.00	281.74
0	0.09	0.00	281.74
-1	0.17	0.01	551.85
-3	0.17	0.01	517.95
-5	0.17	0.01	466.95
-7	0.17	0.01	406.89
-9	0.17	0.01	345.45
-11	0.17	0.01	287.09
-13	0.17	0.01	234.83
-15	0.16	0.01	190.47
-17	0.20	0.01	188.63
-19.5	0.24	0.01	169.15
-22.5	0.23	0.01	121.70
-25.5	0.26	0.01	102.02
-29	0.29	0.01	84.44
-33	0.31	0.01	70.70
-37.5	0.32	0.01	63.78
-42.5	0.30	0.01	55.82
-47.5	0.40	0.01	70.52
-55	0.45	0.01	73.53
-65	0.32	0.01	51.68

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

LUMENS TABULATION - (Cont.)

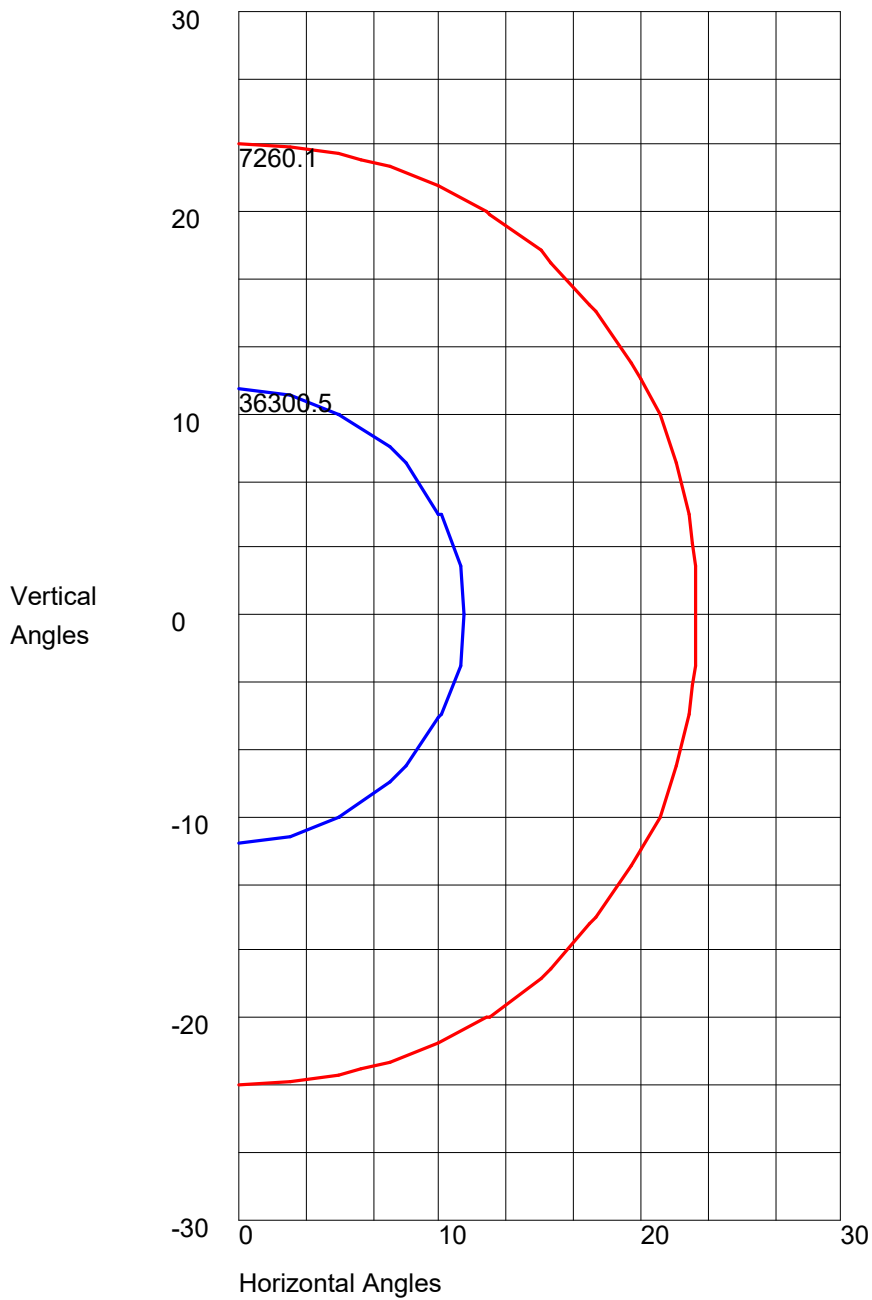
-75	0.17	0.01	28.12
-85	0.02	0.00	3.85
-90			
Total	9.89	0.32	8734.34

AXIAL CANDELA DISPLAY



Maximum Candela = 72601 Located At Horizontal Angle = -1, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 72601 Located At Horizontal Angle = -1, Vertical Angle = 0
50% Maximum Candela = 36300.5
10% Maximum Candela = 7260.1