



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-50-80-FGS.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-12616  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUEDATE] 04/01/21  
[TESTDATE] 03/17/21  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] PFL-LED-30L-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 3 V
Maximum Candela	112141
Maximum Candela Angle	0H -3V
Horizontal Beam Angle (50%)	26.7
Vertical Beam Angle (50%)	28.5
Horizontal Field Angle (10%)	42.3
Vertical Field Angle (10%)	45.1
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	16464
Beam Efficiency	N.A.
Field Lumens	24396
Field Efficiency	N.A.
Spill Lumens	5488
Luminaire Lumens	29883
Total Efficiency	N.A.
Total Luminaire Watts	238
Ballast Factor	1.00



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**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	7	85	20
75	23	75	39
65	107	65	519
55	497	55	1156
47.5	713	47.5	1462
42.5	896	42.5	1411
37.5	1215	37.5	1529
33	1814	33	2217
29	3027	29	3897
25.5	4880	25.5	6560
22.5	7956	22.5	11298
19.5	15366	19.5	20705
17	27583	17	33875
15	42362	15	48769
13	59948	13	67794
11	76866	11	85373
9	90632	9	98958
7	100186	7	107577
5	105890	5	111839
3	109324	3	112141
1	110748	1	111561
0	111124	0	111124
-1	110748	-1	111561
-3	109324	-3	112141
-5	105890	-5	111839
-7	100186	-7	107577
-9	90632	-9	98958
-11	76866	-11	85373
-13	59948	-13	67794
-15	42362	-15	48769
-17	27583	-17	33875
-19.5	15366	-19.5	20705
-22.5	7956	-22.5	11298
-25.5	4880	-25.5	6560
-29	3027	-29	3897
-33	1814	-33	2217
-37.5	1215	-37.5	1529
-42.5	896	-42.5	1411
-47.5	713	-47.5	1462
-55	497	-55	1156
-65	107	-65	519
-75	23	-75	39
-85	7	-85	20
-90	0	-90	0

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**CANDELA TABULATION**

Maximum Candela = 112141

Beam Edge = 56070.5 Cd (50% of Max.)

Field Edge = 11214.1 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	1	3	9	16	18	19	20	21	22
<b>75.0</b>	0	2	6	10	15	17	20	22	24	27
<b>65.0</b>	0	3	9	15	22	35	66	132	205	254
<b>55.0</b>	0	4	12	21	42	166	301	431	542	639
<b>47.5</b>	0	5	14	28	103	360	544	696	837	970
<b>42.5</b>	0	5	16	32	178	475	638	797	935	1059
<b>37.5</b>	0	6	18	37	256	546	699	866	994	1102
<b>33.0</b>	0	6	19	41	318	592	752	918	1050	1182
<b>29.0</b>	0	6	20	45	368	629	791	956	1123	1336
<b>25.5</b>	0	6	21	47	405	658	815	994	1222	1536
<b>22.5</b>	0	7	21	60	432	677	837	1028	1316	1752
<b>19.5</b>	0	7	22	73	456	689	856	1072	1407	1971
<b>17.0</b>	0	7	22	81	470	694	869	1104	1494	2164
<b>15.0</b>	0	7	22	87	480	702	879	1121	1555	2288
<b>13.0</b>	0	7	22	91	487	708	887	1144	1599	2498
<b>11.0</b>	0	7	23	95	493	712	894	1162	1653	2656
<b>9.0</b>	0	7	23	99	496	713	897	1183	1710	2762
<b>7.0</b>	0	7	23	102	497	713	897	1196	1761	2881
<b>5.0</b>	0	7	23	104	499	713	893	1204	1791	2982
<b>3.0</b>	0	7	23	107	502	716	899	1209	1803	3020
<b>1.0</b>	0	7	23	107	499	714	897	1216	1815	3038
<b>0.0</b>	0	7	23	107	497	713	896	1215	1814	3027
<b>-1.0</b>	0	7	23	107	499	714	897	1216	1815	3038
<b>-3.0</b>	0	7	23	107	502	716	899	1209	1803	3020
<b>-5.0</b>	0	7	23	104	499	713	893	1204	1791	2982
<b>-7.0</b>	0	7	23	102	497	713	897	1196	1761	2881
<b>-9.0</b>	0	7	23	99	496	713	897	1183	1710	2762
<b>-11.0</b>	0	7	23	95	493	712	894	1162	1653	2656
<b>-13.0</b>	0	7	22	91	487	708	887	1144	1599	2498
<b>-15.0</b>	0	7	22	87	480	702	879	1121	1555	2288
<b>-17.0</b>	0	7	22	81	470	694	869	1104	1494	2164
<b>-19.5</b>	0	7	22	73	456	689	856	1072	1407	1971
<b>-22.5</b>	0	7	21	60	432	677	837	1028	1316	1752
<b>-25.5</b>	0	6	21	47	405	658	815	994	1222	1536
<b>-29.0</b>	0	6	20	45	368	629	791	956	1123	1336
<b>-33.0</b>	0	6	19	41	318	592	752	918	1050	1182
<b>-37.5</b>	0	6	18	37	256	546	699	866	994	1102
<b>-42.5</b>	0	5	16	32	178	475	638	797	935	1059
<b>-47.5</b>	0	5	14	28	103	360	544	696	837	970
<b>-55.0</b>	0	4	12	21	42	166	301	431	542	639
<b>-65.0</b>	0	3	9	15	22	35	66	132	205	254
<b>-75.0</b>	0	2	6	10	15	17	20	22	24	27
<b>-85.0</b>	0	1	3	9	16	18	19	20	21	22
<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	22	22	23	23	23	22	22	22	21	21
75.0	30	32	34	35	36	37	37	38	38	39
65.0	290	322	366	397	419	439	457	474	489	503
55.0	734	811	885	943	987	1029	1064	1094	1121	1145
47.5	1080	1141	1222	1273	1303	1336	1370	1392	1416	1440
42.5	1140	1207	1263	1300	1328	1356	1380	1394	1402	1409
37.5	1189	1256	1341	1409	1449	1493	1525	1545	1549	1543
33.0	1333	1495	1658	1801	1896	1966	2060	2132	2180	2211
29.0	1615	1909	2258	2567	2789	3101	3333	3502	3665	3818
25.5	1960	2485	3145	3761	4373	4953	5386	5863	6182	6426
22.5	2374	3211	4355	5510	6638	7602	8393	9429	10241	10888
19.5	2891	4108	5914	7749	9497	11446 *	13181 *	15487 *	17329 *	18747 *
17.0	3296	4948	7210	9919	12313 *	15944 *	19230 *	23337 *	27062 *	30237 *
15.0	3675	5567	8278	11466 *	15925 *	20529 *	26524 *	31663 *	38158 *	43831 *
13.0	3991	6111	9361	14003 *	19299 *	27211 *	35284 *	44418 *	52074 *	59840 *
11.0	4264	6526	10438	16065 *	24365 *	34167 *	46004 *	57527 *	68340 *	76766 *
9.0	4570	7193	11930 *	19504 *	28668 *	41994 *	56065 *	70449 *	81713 *	91614 *
7.0	4775	7649	13159 *	22628 *	34334 *	48822 *	65167 *	79655 *	92323 *	99652 *
5.0	4919	7954	13996 *	24964 *	38953 *	54945 *	71424 *	86580 *	96845 *	104419 *
3.0	4945	8069	15119 *	26977 *	41822 *	58968 *	75402 *	89624 *	99876 *	105682 *
1.0	4918	8052	15527 *	27853 *	43023 *	60463 *	76995 *	90442 *	99979 *	106095 *
0.0	4880	7956	15366 *	27583 *	42362 *	59948 *	76866 *	90632 *	100186 *	105890 *
-1.0	4918	8052	15527 *	27853 *	43023 *	60463 *	76995 *	90442 *	99979 *	106095 *
-3.0	4945	8069	15119 *	26977 *	41822 *	58968 *	75402 *	89624 *	99876 *	105682 *
-5.0	4919	7954	13996 *	24964 *	38953 *	54945 *	71424 *	86580 *	96845 *	104419 *
-7.0	4775	7649	13159 *	22628 *	34334 *	48822 *	65167 *	79655 *	92323 *	99652 *
-9.0	4570	7193	11930 *	19504 *	28668 *	41994 *	56065 *	70449 *	81713 *	91614 *
-11.0	4264	6526	10438	16065 *	24365 *	34167 *	46004 *	57527 *	68340 *	76766 *
-13.0	3991	6111	9361	14003 *	19299 *	27211 *	35284 *	44418 *	52074 *	59840 *
-15.0	3675	5567	8278	11466 *	15925 *	20529 *	26524 *	31663 *	38158 *	43831 *
-17.0	3296	4948	7210	9919	12313 *	15944 *	19230 *	23337 *	27062 *	30237 *
-19.5	2891	4108	5914	7749	9497	11446 *	13181 *	15487 *	17329 *	18747 *
-22.5	2374	3211	4355	5510	6638	7602	8393	9429	10241	10888
-25.5	1960	2485	3145	3761	4373	4953	5386	5863	6182	6426
-29.0	1615	1909	2258	2567	2789	3101	3333	3502	3665	3818
-33.0	1333	1495	1658	1801	1896	1966	2060	2132	2180	2211
-37.5	1189	1256	1341	1409	1449	1493	1525	1545	1549	1543
-42.5	1140	1207	1263	1300	1328	1356	1380	1394	1402	1409
-47.5	1080	1141	1222	1273	1303	1336	1370	1392	1416	1440
-55.0	734	811	885	943	987	1029	1064	1094	1121	1145
-65.0	290	322	366	397	419	439	457	474	489	503
-75.0	30	32	34	35	36	37	37	38	38	39
-85.0	22	22	23	23	23	22	22	22	21	21
-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	21	20	20	20	21	21	21	22	22	22
75.0	39	39	39	39	39	39	38	38	37	37
65.0	513	517	519	517	513	503	489	474	457	439

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**CANDELA TABULATION - (Cont.)**

55.0	1159	1157	1156	1157	1159	1145	1121	1094	1064	1029
47.5	1464	1463	1462	1463	1464	1440	1416	1392	1370	1336
42.5	1413	1412	1411	1412	1413	1409	1402	1394	1380	1356
37.5	1529	1531	1529	1531	1529	1543	1549	1545	1525	1493
33.0	2219	2222	2217	2222	2219	2211	2180	2132	2060	1966
29.0	3891	3911	3897	3911	3891	3818	3665	3502	3333	3101
25.5	6558	6585	6560	6585	6558	6426	6182	5863	5386	4953
22.5	11351 *	11466 *	11298 *	11466 *	11351 *	10888	10241	9429	8393	7602
19.5	20231 *	20861 *	20705 *	20861 *	20231 *	18747 *	17329 *	15487 *	13181 *	11446 *
17.0	32844 *	34089 *	33875 *	34089 *	32844 *	30237 *	27062 *	23337 *	19230 *	15944 *
15.0	47657 *	49352 *	48769 *	49352 *	47657 *	43831 *	38158 *	31663 *	26524 *	20529 *
13.0	65630 *	68070 *	67794 *	68070 *	65630 *	59840 *	52074 *	44418 *	35284 *	27211 *
11.0	82752 *	85542 *	85373 *	85542 *	82752 *	76766 *	68340 *	57527 *	46004 *	34167 *
9.0	96930 *	98999 *	98958 *	98999 *	96930 *	91614 *	81713 *	70449 *	56065 *	41994 *
7.0	105625 *	107433 *	107577 *	107433 *	105625 *	99652 *	92323 *	79655 *	65167 *	48822 *
5.0	108598 *	111409 *	111839 *	111409 *	108598 *	104419 *	96845 *	86580 *	71424 *	54945 *
3.0	109503 *	111729 *	112141 *	111729 *	109503 *	105682 *	99876 *	89624 *	75402 *	58968 *
1.0	109443 *	111122 *	111561 *	111122 *	109443 *	106095 *	99979 *	90442 *	76995 *	60463 *
0.0	109324 *	110748 *	111124 *	110748 *	109324 *	105890 *	100186 *	90632 *	76866 *	59948 *
-1.0	109443 *	111122 *	111561 *	111122 *	109443 *	106095 *	99979 *	90442 *	76995 *	60463 *
-3.0	109503 *	111729 *	112141 *	111729 *	109503 *	105682 *	99876 *	89624 *	75402 *	58968 *
-5.0	108598 *	111409 *	111839 *	111409 *	108598 *	104419 *	96845 *	86580 *	71424 *	54945 *
-7.0	105625 *	107433 *	107577 *	107433 *	105625 *	99652 *	92323 *	79655 *	65167 *	48822 *
-9.0	96930 *	98999 *	98958 *	98999 *	96930 *	91614 *	81713 *	70449 *	56065 *	41994 *
-11.0	82752 *	85542 *	85373 *	85542 *	82752 *	76766 *	68340 *	57527 *	46004 *	34167 *
-13.0	65630 *	68070 *	67794 *	68070 *	65630 *	59840 *	52074 *	44418 *	35284 *	27211 *
-15.0	47657 *	49352 *	48769 *	49352 *	47657 *	43831 *	38158 *	31663 *	26524 *	20529 *
-17.0	32844 *	34089 *	33875 *	34089 *	32844 *	30237 *	27062 *	23337 *	19230 *	15944 *
-19.5	20231 *	20861 *	20705 *	20861 *	20231 *	18747 *	17329 *	15487 *	13181 *	11446 *
-22.5	11351 *	11466 *	11298 *	11466 *	11351 *	10888	10241	9429	8393	7602
-25.5	6558	6585	6560	6585	6558	6426	6182	5863	5386	4953
-29.0	3891	3911	3897	3911	3891	3818	3665	3502	3333	3101
-33.0	2219	2222	2217	2222	2219	2211	2180	2132	2060	1966
-37.5	1529	1531	1529	1531	1529	1543	1549	1545	1525	1493
-42.5	1413	1412	1411	1412	1413	1409	1402	1394	1380	1356
-47.5	1464	1463	1462	1463	1464	1440	1416	1392	1370	1336
-55.0	1159	1157	1156	1157	1159	1145	1121	1094	1064	1029
-65.0	513	517	519	517	513	503	489	474	457	439
-75.0	39	39	39	39	39	39	38	38	37	37
-85.0	21	20	20	20	21	21	21	22	22	22
-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	23	23	23	22	22	22	21	20	19	18
75.0	36	35	34	32	30	27	24	22	20	17
65.0	419	397	366	322	290	254	205	132	66	35
55.0	987	943	885	811	734	639	542	431	301	166
47.5	1303	1273	1222	1141	1080	970	837	696	544	360
42.5	1328	1300	1263	1207	1140	1059	935	797	638	475
37.5	1449	1409	1341	1256	1189	1102	994	866	699	546
33.0	1896	1801	1658	1495	1333	1182	1050	918	752	592
29.0	2789	2567	2258	1909	1615	1336	1123	956	791	629
25.5	4373	3761	3145	2485	1960	1536	1222	994	815	658

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**CANDELA TABULATION - (Cont.)**

22.5	6638	5510	4355	3211	2374	1752	1316	1028	837	677
19.5	9497	7749	5914	4108	2891	1971	1407	1072	856	689
17.0	12313 *	9919	7210	4948	3296	2164	1494	1104	869	694
15.0	15925 *	11466 *	8278	5567	3675	2288	1555	1121	879	702
13.0	19299 *	14003 *	9361	6111	3991	2498	1599	1144	887	708
11.0	24365 *	16065 *	10438	6526	4264	2656	1653	1162	894	712
9.0	28668 *	19504 *	11930 *	7193	4570	2762	1710	1183	897	713
7.0	34334 *	22628 *	13159 *	7649	4775	2881	1761	1196	897	713
5.0	38953 *	24964 *	13996 *	7954	4919	2982	1791	1204	893	713
3.0	41822 *	26977 *	15119 *	8069	4945	3020	1803	1209	899	716
1.0	43023 *	27853 *	15527 *	8052	4918	3038	1815	1216	897	714
0.0	42362 *	27583 *	15366 *	7956	4880	3027	1814	1215	896	713
-1.0	43023 *	27853 *	15527 *	8052	4918	3038	1815	1216	897	714
-3.0	41822 *	26977 *	15119 *	8069	4945	3020	1803	1209	899	716
-5.0	38953 *	24964 *	13996 *	7954	4919	2982	1791	1204	893	713
-7.0	34334 *	22628 *	13159 *	7649	4775	2881	1761	1196	897	713
-9.0	28668 *	19504 *	11930 *	7193	4570	2762	1710	1183	897	713
-11.0	24365 *	16065 *	10438	6526	4264	2656	1653	1162	894	712
-13.0	19299 *	14003 *	9361	6111	3991	2498	1599	1144	887	708
-15.0	15925 *	11466 *	8278	5567	3675	2288	1555	1121	879	702
-17.0	12313 *	9919	7210	4948	3296	2164	1494	1104	869	694
-19.5	9497	7749	5914	4108	2891	1971	1407	1072	856	689
-22.5	6638	5510	4355	3211	2374	1752	1316	1028	837	677
-25.5	4373	3761	3145	2485	1960	1536	1222	994	815	658
-29.0	2789	2567	2258	1909	1615	1336	1123	956	791	629
-33.0	1896	1801	1658	1495	1333	1182	1050	918	752	592
-37.5	1449	1409	1341	1256	1189	1102	994	866	699	546
-42.5	1328	1300	1263	1207	1140	1059	935	797	638	475
-47.5	1303	1273	1222	1141	1080	970	837	696	544	360
-55.0	987	943	885	811	734	639	542	431	301	166
-65.0	419	397	366	322	290	254	205	132	66	35
-75.0	36	35	34	32	30	27	24	22	20	17
-85.0	23	23	23	22	22	22	21	20	19	18
-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	16	9	3	1	0
75.0	15	10	6	2	0
65.0	22	15	9	3	0
55.0	42	21	12	4	0
47.5	103	28	14	5	0
42.5	178	32	16	5	0
37.5	256	37	18	6	0
33.0	318	41	19	6	0
29.0	368	45	20	6	0
25.5	405	47	21	6	0
22.5	432	60	21	7	0
19.5	456	73	22	7	0
17.0	470	81	22	7	0
15.0	480	87	22	7	0
13.0	487	91	22	7	0
11.0	493	95	23	7	0
9.0	496	99	23	7	0

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-50-80-FGS.IES**

**CANDELA TABULATION - (Cont.)**

<b>7.0</b>	497	102	23	7	0
<b>5.0</b>	499	104	23	7	0
<b>3.0</b>	502	107	23	7	0
<b>1.0</b>	499	107	23	7	0
<b>0.0</b>	497	107	23	7	0
<b>-1.0</b>	499	107	23	7	0
<b>-3.0</b>	502	107	23	7	0
<b>-5.0</b>	499	104	23	7	0
<b>-7.0</b>	497	102	23	7	0
<b>-9.0</b>	496	99	23	7	0
<b>-11.0</b>	493	95	23	7	0
<b>-13.0</b>	487	91	22	7	0
<b>-15.0</b>	480	87	22	7	0
<b>-17.0</b>	470	81	22	7	0
<b>-19.5</b>	456	73	22	7	0
<b>-22.5</b>	432	60	21	7	0
<b>-25.5</b>	405	47	21	6	0
<b>-29.0</b>	368	45	20	6	0
<b>-33.0</b>	318	41	19	6	0
<b>-37.5</b>	256	37	18	6	0
<b>-42.5</b>	178	32	16	5	0
<b>-47.5</b>	103	28	14	5	0
<b>-55.0</b>	42	21	12	4	0
<b>-65.0</b>	22	15	9	3	0
<b>-75.0</b>	15	10	6	2	0
<b>-85.0</b>	16	9	3	1	0
<b>-90.0</b>	0	0	0	0	0

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-50-80-FGS.IES**

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 14941.66

Total Field Lumens (one side of beam only) = 12197.79

\* 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	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04
75	0.09	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.21
65	0.85	1.69	1.66	1.62	1.57	1.51	1.45	1.38	1.30	1.50
55	2.55	5.09	5.04	4.93	4.79	4.63	4.45	4.25	4.02	4.68
47.5	2.99	5.99	5.93	5.82	5.68	5.53	5.36	5.16	4.95	5.86
42.5	2.19	4.38	4.35	4.29	4.23	4.15	4.05	3.93	3.81	4.57
37.5	2.24	4.48	4.48	4.47	4.44	4.38	4.29	4.16	4.02	4.80
33	2.57	5.14	5.13	5.10	5.03	4.90	4.72	4.52	4.32	5.05
29	3.73	7.45	7.38	7.19	6.92	6.62	6.23	5.76	5.30	5.99
25.5	5.58	11.16	11.00	10.65	10.14	9.49	8.75	7.87	6.91	7.42
22.5	8.20	16.42	16.05	15.33	14.35	13.08	11.77	10.45	8.91	9.10
19.5	14.70 *	29.18 *	27.90 *	25.99 *	23.75 *	20.92 *	18.15	15.60	12.91	12.76
17	20.85 *	41.11 *	38.76 *	35.36 *	31.38 *	26.71 *	22.27 *	18.18 *	14.45	13.92
15	25.29 *	49.91 *	46.97 *	42.19 *	36.26 *	30.22 *	24.50 *	19.13 *	14.53 *	13.33
13	35.64 *	70.23 *	65.92 *	58.74 *	50.17 *	41.36 *	32.64 *	24.52 *	17.77 *	15.59
11	46.72 *	91.93 *	86.60 *	77.86 *	67.07 *	54.97 *	42.51 *	31.05 *	21.59 *	18.03 *
9	56.18 *	110.88 *	105.76 *	96.46 *	83.86 *	69.01 *	53.10 *	38.18 *	25.94 *	20.95 *
7	62.90 *	124.50 *	119.67 *	110.66 *	97.77 *	81.39 *	63.18 *	45.46 *	30.78 *	24.31 *
5	66.75 *	131.83 *	127.10 *	119.13 *	107.20 *	90.84 *	71.61 *	52.33 *	35.39 *	27.03 *
3	68.10 *	134.32 *	130.11 *	123.24 *	112.49 *	96.90 *	77.69 *	57.54 *	38.86 *	29.31 *
1	68.01 *	134.49 *	130.88 *	124.70 *	114.60 *	99.73 *	80.99 *	60.37 *	40.90 *	30.91 *
0	33.85 *	67.07 *	65.44 *	62.43 *	57.50 *	50.24 *	40.86 *	30.41 *	20.62 *	15.61 *
-1	33.85 *	67.07 *	65.44 *	62.43 *	57.50 *	50.24 *	40.86 *	30.41 *	20.62 *	15.61 *
	68.01 *	134.49 *	130.88 *	124.70 *	114.60 *	99.73 *	80.99 *	60.37 *	40.90 *	30.91 *

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-50-80-FGS.IES**

**LUMENS TABULATION - (Cont.)**

<b>-3</b>	68.10 *	134.32 *	130.11 *	123.24 *	112.49 *	96.90 *	77.69 *	57.54 *	38.86 *	29.31 *
<b>-5</b>	66.75 *	131.83 *	127.10 *	119.13 *	107.20 *	90.84 *	71.61 *	52.33 *	35.39 *	27.03 *
<b>-7</b>	62.90 *	124.50 *	119.67 *	110.66 *	97.77 *	81.39 *	63.18 *	45.46 *	30.78 *	24.31 *
<b>-9</b>	56.18 *	110.88 *	105.76 *	96.46 *	83.86 *	69.01 *	53.10 *	38.18 *	25.94 *	20.95 *
<b>-11</b>	46.72 *	91.93 *	86.60 *	77.86 *	67.07 *	54.97 *	42.51 *	31.05 *	21.59 *	18.03 *
<b>-13</b>	35.64 *	70.23 *	65.92 *	58.74 *	50.17 *	41.36 *	32.64 *	24.52 *	17.77 *	15.59
<b>-15</b>	25.29 *	49.91 *	46.97 *	42.19 *	36.26 *	30.22 *	24.50 *	19.13 *	14.53 *	13.33
<b>-17</b>	20.85 *	41.11 *	38.76 *	35.36 *	31.38 *	26.71 *	22.27 *	18.18 *	14.45	13.92
<b>-19.5</b>	14.70 *	29.18 *	27.90 *	25.99 *	23.75 *	20.92 *	18.15	15.60	12.91	12.76
<b>-22.5</b>	8.20	16.42	16.05	15.33	14.35	13.08	11.77	10.45	8.91	9.10
<b>-25.5</b>	5.58	11.16	11.00	10.65	10.14	9.49	8.75	7.87	6.91	7.42
<b>-29</b>	3.73	7.45	7.38	7.19	6.92	6.62	6.23	5.76	5.30	5.99
<b>-33</b>	2.57	5.14	5.13	5.10	5.03	4.90	4.72	4.52	4.32	5.05
<b>-37.5</b>	2.24	4.48	4.48	4.47	4.44	4.38	4.29	4.16	4.02	4.80
<b>-42.5</b>	2.19	4.38	4.35	4.29	4.23	4.15	4.05	3.93	3.81	4.57
<b>-47.5</b>	2.99	5.99	5.93	5.82	5.68	5.53	5.36	5.16	4.95	5.86
<b>-55</b>	2.55	5.09	5.04	4.93	4.79	4.63	4.45	4.25	4.02	4.68
<b>-65</b>	0.85	1.69	1.66	1.62	1.57	1.51	1.45	1.38	1.30	1.50
<b>-75</b>	0.09	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.21
<b>-85</b>	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04
<b>-90</b>										
<b>Total</b>	1059.99	2094.9	2012.74	1872.77	1678.83	1433.61	1157.56	880.91	634.96	541.95

**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>	0.05	0.05	0.05	0.06	0.06	0.06	0.05	0.06	0.05	0.02
<b>85</b>	0.24	0.22	0.24	0.25	0.24	0.24	0.20	0.24	0.19	0.07
<b>75</b>	1.61	1.41	1.42	1.33	1.07	0.70	0.37	0.32	0.24	0.10
<b>65</b>	5.08	4.50	4.54	4.28	3.67	2.71	1.53	0.95	0.38	0.15
<b>55</b>	6.49	5.89	6.08	5.85	5.26	4.31	2.77	1.80	0.55	0.15

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-50-80-FGS.IES**

**LUMENS TABULATION - (Cont.)**

<b>47.5</b>										
	5.15	4.77	5.03	4.96	4.57	3.90	2.71	1.99	0.65	0.12
<b>42.5</b>										
	5.40	5.00	5.32	5.34	5.02	4.37	3.17	2.60	0.96	0.13
<b>37.5</b>										
	5.52	4.95	5.12	5.08	4.82	4.24	3.14	2.75	1.12	0.13
<b>33</b>										
	6.24	5.30	5.18	4.90	4.53	3.99	2.98	2.73	1.17	0.13
<b>29</b>										
	7.31	5.82	5.35	4.77	4.21	3.63	2.73	2.58	1.15	0.12
<b>25.5</b>										
	8.44	6.28	5.42	4.56	3.83	3.21	2.41	2.33	1.08	0.12
<b>22.5</b>										
	11.25	7.88	6.39	5.05	4.05	3.32	2.47	2.42	1.16	0.14
<b>19.5</b>										
	11.83	7.95	6.11	4.59	3.55	2.84	2.09	2.06	1.03	0.13
<b>17</b>										
	11.09	7.30	5.41	3.92	2.95	2.32	1.69	1.68	0.85	0.11
<b>15</b>										
	12.50	8.07	5.90	4.15	3.03	2.35	1.71	1.70	0.87	0.12
<b>13</b>										
	13.83	8.72	6.35	4.39	3.11	2.38	1.72	1.71	0.89	0.12
<b>11</b>										
	15.39	9.41	6.75	4.58	3.19	2.41	1.73	1.72	0.90	0.12
<b>9</b>										
	17.03	10.10	7.10	4.76	3.27	2.43	1.73	1.73	0.91	0.13
<b>7</b>										
	18.24	10.56	7.37	4.92	3.33	2.44	1.73	1.73	0.91	0.13
<b>5</b>										
	19.25 *	10.80	7.52	5.01	3.36	2.45	1.73	1.74	0.92	0.13
<b>3</b>										
	19.95 *	10.85	7.54	5.05	3.38	2.46	1.74	1.74	0.92	0.14
<b>1</b>										
	10.00 *	5.39	3.76	2.53	1.70	1.23	0.87	0.87	0.46	0.07
<b>0</b>										
	10.00 *	5.39	3.76	2.53	1.70	1.23	0.87	0.87	0.46	0.07
<b>-1</b>										
	19.95 *	10.85	7.54	5.05	3.38	2.46	1.74	1.74	0.92	0.14
<b>-3</b>										
	19.25 *	10.80	7.52	5.01	3.36	2.45	1.73	1.74	0.92	0.13
<b>-5</b>										
	18.24	10.56	7.37	4.92	3.33	2.44	1.73	1.73	0.91	0.13
<b>-7</b>										
	17.03	10.10	7.10	4.76	3.27	2.43	1.73	1.73	0.91	0.13
<b>-9</b>										
	15.39	9.41	6.75	4.58	3.19	2.41	1.73	1.72	0.90	0.12
<b>-11</b>										
	13.83	8.72	6.35	4.39	3.11	2.38	1.72	1.71	0.89	0.12
<b>-13</b>										
	12.50	8.07	5.90	4.15	3.03	2.35	1.71	1.70	0.87	0.12
<b>-15</b>										
	11.09	7.30	5.41	3.92	2.95	2.32	1.69	1.68	0.85	0.11
<b>-17</b>										
	11.83	7.95	6.11	4.59	3.55	2.84	2.09	2.06	1.03	0.13
<b>-19.5</b>										
	11.25	7.88	6.39	5.05	4.05	3.32	2.47	2.42	1.16	0.14

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-50-80-FGS.IES**

**LUMENS TABULATION - (Cont.)**

<b>-22.5</b>	8.44	6.28	5.42	4.56	3.83	3.21	2.41	2.33	1.08	0.12
<b>-25.5</b>	7.31	5.82	5.35	4.77	4.21	3.63	2.73	2.58	1.15	0.12
<b>-29</b>	6.24	5.30	5.18	4.90	4.53	3.99	2.98	2.73	1.17	0.13
<b>-33</b>	5.52	4.95	5.12	5.08	4.82	4.24	3.14	2.75	1.12	0.13
<b>-37.5</b>	5.40	5.00	5.32	5.34	5.02	4.37	3.17	2.60	0.96	0.13
<b>-42.5</b>	5.15	4.77	5.03	4.96	4.57	3.90	2.71	1.99	0.65	0.12
<b>-47.5</b>	6.49	5.89	6.08	5.85	5.26	4.31	2.77	1.80	0.55	0.15
<b>-55</b>	5.08	4.50	4.54	4.28	3.67	2.71	1.53	0.95	0.38	0.15
<b>-65</b>	1.61	1.41	1.42	1.33	1.07	0.70	0.37	0.32	0.24	0.10
<b>-75</b>	0.24	0.22	0.24	0.25	0.24	0.24	0.20	0.24	0.19	0.07
<b>-85</b>	0.05	0.05	0.05	0.06	0.06	0.06	0.05	0.06	0.05	0.02
<b>-90</b>	0.05	0.05	0.05	0.06	0.06	0.06	0.05	0.06	0.05	0.02
<b>Total</b>	423.83	282.43	227.95	180.64	144.40	116.03	82.55	74.84	34.72	5.15

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
<b>90</b>				
	0.00	0.00	0.81	
<b>85</b>				
	0.02	0.00	3.86	
<b>75</b>				
	0.03	0.00	23.11	
<b>65</b>				
	0.04	0.00	72.28	
<b>55</b>				
	0.03	0.00	92.47	
<b>47.5</b>				
	0.03	0.00	73.84	
<b>42.5</b>				
	0.03	0.00	79.11	
<b>37.5</b>				
	0.03	0.00	83.39	
<b>33</b>				
	0.03	0.00	99.76	
<b>29</b>				
	0.02	0.00	126.66	
<b>25.5</b>				
	0.02	0.00	161.36	
<b>22.5</b>				
	0.02	0.00	246.01	
<b>19.5</b>				
	0.02	0.00	305.19	
<b>17</b>				
	0.02	0.00	339.67	

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-50-80-FGS.IES**

**LUMENS TABULATION - (Cont.)**

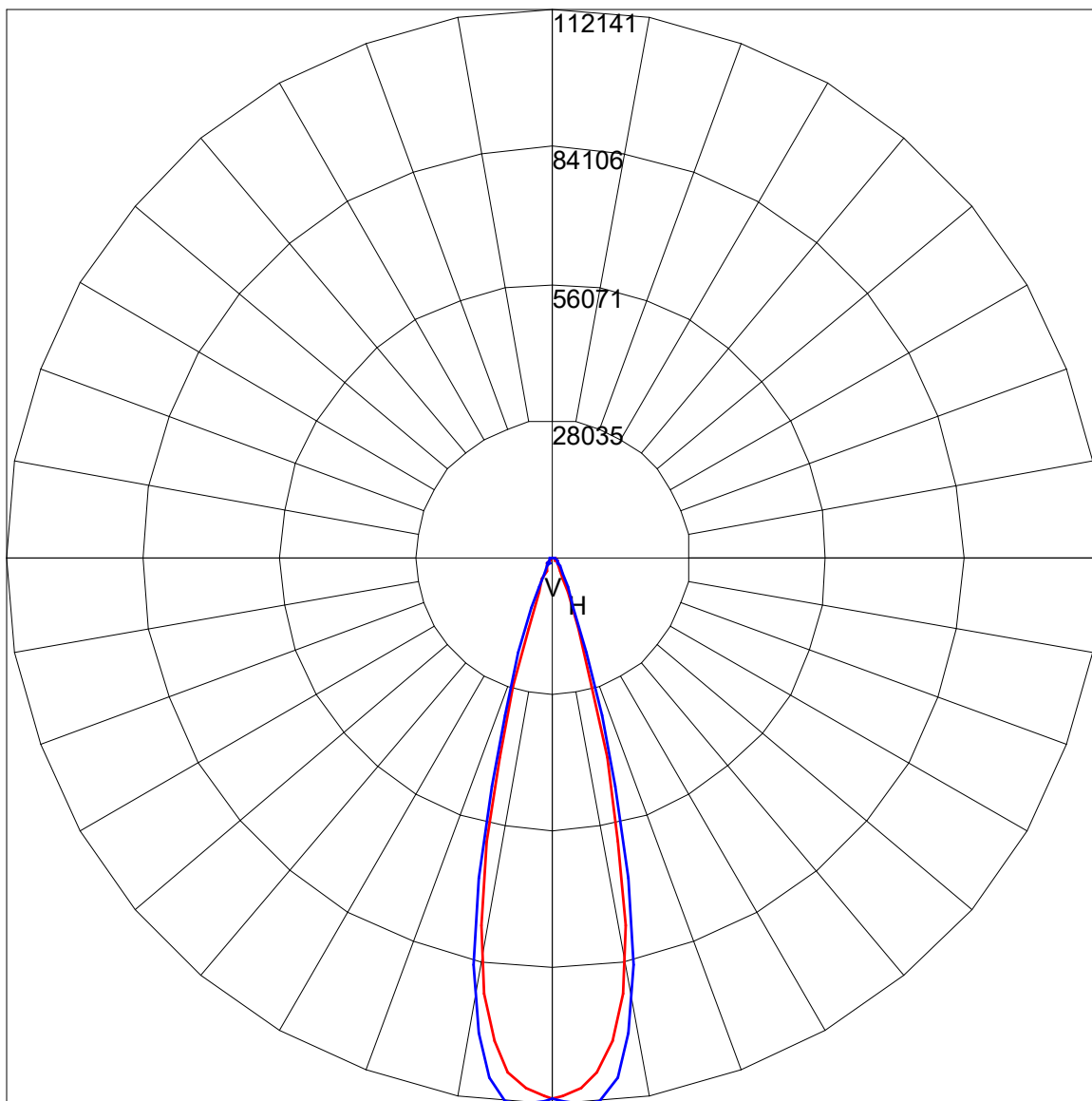
<b>15</b>	0.02	0.00	453.00
<b>13</b>	0.02	0.00	581.57
<b>11</b>	0.02	0.00	706.58
<b>9</b>	0.02	0.00	809.83
<b>7</b>	0.02	0.00	880.59
<b>5</b>	0.02	0.00	921.50
<b>3</b>	0.02	0.00	939.36
<b>1</b>	0.01	0.00	470.89
<b>0</b>	0.01	0.00	470.89
<b>-1</b>	0.02	0.00	939.36
<b>-3</b>	0.02	0.00	921.50
<b>-5</b>	0.02	0.00	880.59
<b>-7</b>	0.02	0.00	809.83
<b>-9</b>	0.02	0.00	706.58
<b>-11</b>	0.02	0.00	581.57
<b>-13</b>	0.02	0.00	453.00
<b>-15</b>	0.02	0.00	339.67
<b>-17</b>	0.02	0.00	305.19
<b>-19.5</b>	0.02	0.00	246.01
<b>-22.5</b>	0.02	0.00	161.36
<b>-25.5</b>	0.02	0.00	126.66
<b>-29</b>	0.03	0.00	99.76
<b>-33</b>	0.03	0.00	83.39
<b>-37.5</b>	0.03	0.00	79.11
<b>-42.5</b>	0.03	0.00	73.84
<b>-47.5</b>	0.03	0.00	92.47
<b>-55</b>	0.04	0.00	72.28
<b>-65</b>	0.03	0.00	23.11

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-50-80-FGS.IES**

**LUMENS TABULATION - (Cont.)**

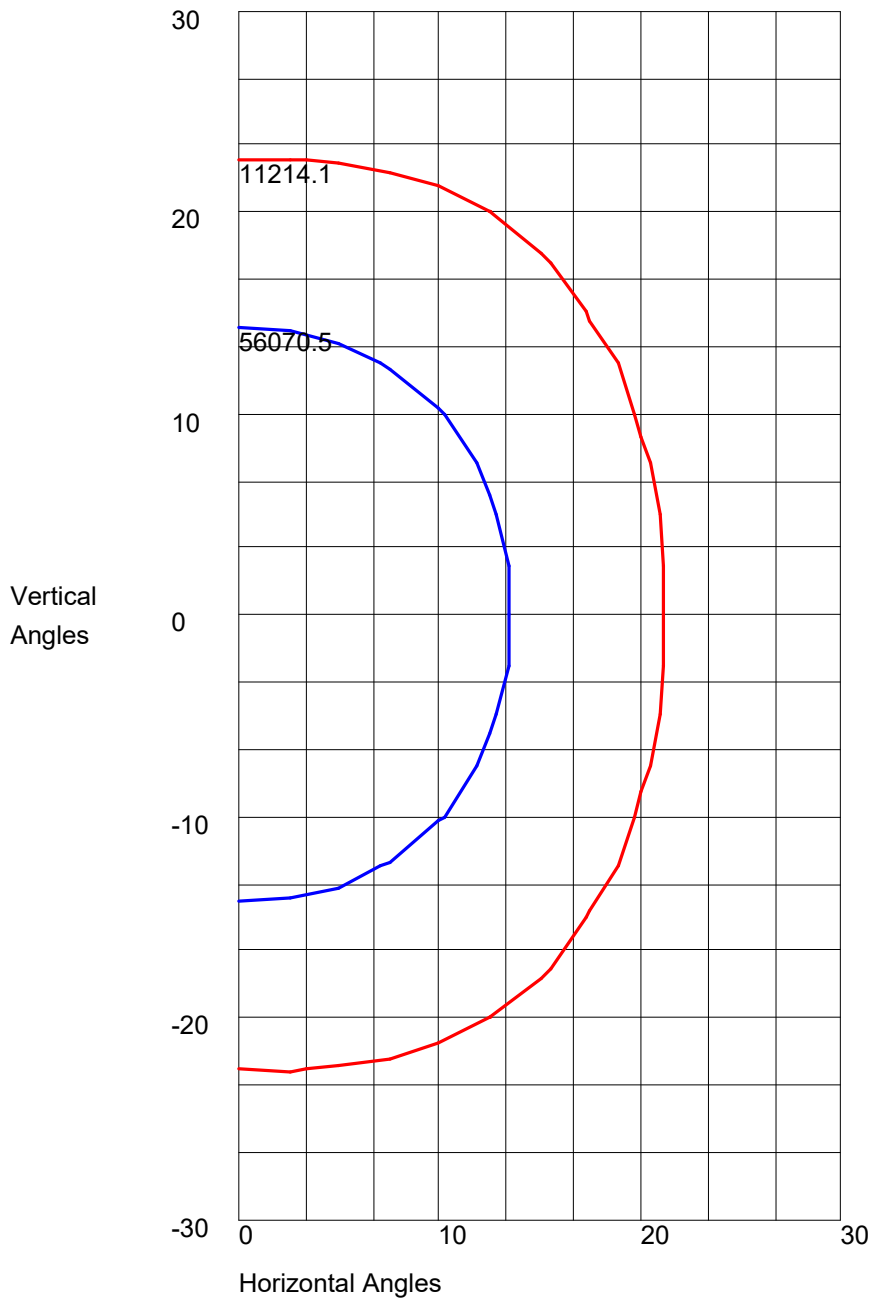
<b>-75</b>	0.02	0.00	3.86
<b>-85</b>	0.00	0.00	0.81
<b>-90</b>			
<b>Total</b>	0.90	0.03	14941.67

AXIAL CANDELA DISPLAY



Maximum Candela = 112141 Located At Horizontal Angle = 0, Vertical Angle = -3  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 112141 Located At Horizontal Angle = 0, Vertical Angle = -3  
50% Maximum Candela = 56070.5  
10% Maximum Candela = 11214.1