



IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-50-80.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
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] PFL-LED-12L-PC-NF-50-80
[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	51816
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	4443
Beam Efficiency	N.A.
Field Lumens	9124
Field Efficiency	N.A.
Spill Lumens	3343
Luminaire Lumens	12467
Total Efficiency	N.A.
Total Luminaire Watts	102
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	59	85	75
75	174	75	212
65	291	65	320
55	425	55	474
47.5	565	47.5	572
42.5	648	42.5	706
37.5	845	37.5	794
33	1293	33	1382
29	2172	29	2314
25.5	3485	25.5	3722
22.5	5344	22.5	5715
19.5	8247	19.5	8821
17	11816	17	12297
15	15417	15	15834
13	20365	13	20715
11	26349	11	26456
9	33052	9	32792
7	40061	7	39455
5	46865	5	46169
3	50871	3	50337
1	51816	1	51618
0	51778	0	51778
-1	51816	-1	51618
-3	50871	-3	50337
-5	46865	-5	46169
-7	40061	-7	39455
-9	33052	-9	32792
-11	26349	-11	26456
-13	20365	-13	20715
-15	15417	-15	15834
-17	11816	-17	12297
-19.5	8247	-19.5	8821
-22.5	5344	-22.5	5715
-25.5	3485	-25.5	3722
-29	2172	-29	2314
-33	1293	-33	1382
-37.5	845	-37.5	794
-42.5	648	-42.5	706
-47.5	565	-47.5	572
-55	425	-55	474
-65	291	-65	320
-75	174	-75	212
-85	59	-85	75
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 51816

Beam Edge = 25908 Cd (50% of Max.)

Field Edge = 5181.6 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	6	19	35	49	58	62	65	69	74
75.0	0	17	51	98	132	151	162	175	183	188
65.0	0	27	78	139	188	224	250	267	280	287
55.0	0	36	100	162	231	282	308	335	358	378
47.5	0	41	114	185	266	326	367	410	444	478
42.5	0	44	123	201	292	363	414	463	513	554
37.5	0	47	131	217	318	402	461	524	586	630
33.0	0	50	138	232	341	434	502	575	642	702
29.0	0	52	145	245	360	461	541	617	697	781
25.5	0	53	151	256	374	484	568	653	750	897
22.5	0	54	155	263	386	504	588	681	815	1051
19.5	0	56	159	270	396	521	606	712	887	1210
17.0	0	56	162	275	403	533	618	731	958	1373
15.0	0	57	164	279	408	540	627	740	1012	1499
13.0	0	57	166	282	413	547	635	765	1057	1633
11.0	0	59	168	285	416	552	640	788	1119	1759
9.0	0	59	170	287	420	556	644	807	1180	1871
7.0	0	59	171	288	422	558	645	820	1227	1979
5.0	0	59	173	290	424	561	644	827	1257	2070
3.0	0	59	173	291	426	564	647	833	1273	2123
1.0	0	59	174	291	425	565	648	843	1290	2164
0.0	0	59	174	291	425	565	648	845	1293	2172
-1.0	0	59	174	291	425	565	648	843	1290	2164
-3.0	0	59	173	291	426	564	647	833	1273	2123
-5.0	0	59	173	290	424	561	644	827	1257	2070
-7.0	0	59	171	288	422	558	645	820	1227	1979
-9.0	0	59	170	287	420	556	644	807	1180	1871
-11.0	0	59	168	285	416	552	640	788	1119	1759
-13.0	0	57	166	282	413	547	635	765	1057	1633
-15.0	0	57	164	279	408	540	627	740	1012	1499
-17.0	0	56	162	275	403	533	618	731	958	1373
-19.5	0	56	159	270	396	521	606	712	887	1210
-22.5	0	54	155	263	386	504	588	681	815	1051
-25.5	0	53	151	256	374	484	568	653	750	897
-29.0	0	52	145	245	360	461	541	617	697	781
-33.0	0	50	138	232	341	434	502	575	642	702
-37.5	0	47	131	217	318	402	461	524	586	630
-42.5	0	44	123	201	292	363	414	463	513	554
-47.5	0	41	114	185	266	326	367	410	444	478
-55.0	0	36	100	162	231	282	308	335	358	378
-65.0	0	27	78	139	188	224	250	267	280	287
-75.0	0	17	51	98	132	151	162	175	183	188
-85.0	0	6	19	35	49	58	62	65	69	74
-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	77	78	77	76	76	75	76	75	74	73
75.0	191	193	193	194	194	196	199	202	204	207
65.0	296	302	306	309	311	313	315	317	318	319
55.0	397	411	424	435	444	452	457	462	467	471
47.5	502	521	539	550	558	564	569	573	574	574
42.5	578	601	622	637	647	656	666	675	683	691
37.5	657	681	706	720	729	756	771	776	787	791
33.0	759	828	903	982	1048	1103	1170	1236	1288	1325
29.0	893	1036	1204	1367	1505	1673	1813	1936	2062	2171
25.5	1094	1346	1651	1939	2222	2501	2741	3045	3302	3500
22.5	1363	1736	2218	2704	3160	3630	4074	4601	5038	5379 *
19.5	1675	2203	2936	3699	4408	5208 *	5958 *	6784 *	7493 *	8066 *
17.0	1925	2655	3639	4734	5689 *	6843 *	7892 *	9133 *	10194 *	11095 *
15.0	2175	3065	4273	5598 *	6971 *	8342 *	9989 *	11426 *	12991 *	14392 *
13.0	2432	3501	4988	6692 *	8272 *	10233 *	12304 *	14500 *	16417 *	18429 *
11.0	2661	3911	5687 *	7707 *	9794 *	12176 *	14943 *	17896 *	20654 *	23130 *
9.0	2927	4367	6472 *	8881 *	11188 *	14284 *	17793 *	21568 *	25376 *	28630 *
7.0	3148	4735	7117 *	9943 *	12832 *	16276 *	20534 *	25342 *	30025 *	34352 *
5.0	3311	5034	7610 *	10811 *	14132 *	18258 *	23127 *	28801 *	34677 *	39678 *
3.0	3412	5250 *	8041 *	11491 *	15033 *	19686 *	25330 *	31665 *	38238 *	44097 *
1.0	3473	5360 *	8250 *	11841 *	15543 *	20448 *	26533 *	33275 *	40204 *	46974 *
0.0	3485	5344 *	8247 *	11816 *	15417 *	20365 *	26349 *	33052 *	40061 *	46865 *
-1.0	3473	5360 *	8250 *	11841 *	15543 *	20448 *	26533 *	33275 *	40204 *	46974 *
-3.0	3412	5250 *	8041 *	11491 *	15033 *	19686 *	25330 *	31665 *	38238 *	44097 *
-5.0	3311	5034	7610 *	10811 *	14132 *	18258 *	23127 *	28801 *	34677 *	39678 *
-7.0	3148	4735	7117 *	9943 *	12832 *	16276 *	20534 *	25342 *	30025 *	34352 *
-9.0	2927	4367	6472 *	8881 *	11188 *	14284 *	17793 *	21568 *	25376 *	28630 *
-11.0	2661	3911	5687 *	7707 *	9794 *	12176 *	14943 *	17896 *	20654 *	23130 *
-13.0	2432	3501	4988	6692 *	8272 *	10233 *	12304 *	14500 *	16417 *	18429 *
-15.0	2175	3065	4273	5598 *	6971 *	8342 *	9989 *	11426 *	12991 *	14392 *
-17.0	1925	2655	3639	4734	5689 *	6843 *	7892 *	9133 *	10194 *	11095 *
-19.5	1675	2203	2936	3699	4408	5208 *	5958 *	6784 *	7493 *	8066 *
-22.5	1363	1736	2218	2704	3160	3630	4074	4601	5038	5379 *
-25.5	1094	1346	1651	1939	2222	2501	2741	3045	3302	3500
-29.0	893	1036	1204	1367	1505	1673	1813	1936	2062	2171
-33.0	759	828	903	982	1048	1103	1170	1236	1288	1325
-37.5	657	681	706	720	729	756	771	776	787	791
-42.5	578	601	622	637	647	656	666	675	683	691
-47.5	502	521	539	550	558	564	569	573	574	574
-55.0	397	411	424	435	444	452	457	462	467	471
-65.0	296	302	306	309	311	313	315	317	318	319
-75.0	191	193	193	194	194	196	199	202	204	207
-85.0	77	78	77	76	76	75	76	75	74	73
-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	74	75	75	75	74	73	74	75	76	75
75.0	209	211	212	211	209	207	204	202	199	196
65.0	320	320	320	320	320	319	318	317	315	313

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CANDELA TABULATION - (Cont.)

55.0	475	474	474	474	475	471	467	462	457	452
47.5	574	573	572	573	574	574	574	573	569	564
42.5	701	704	706	704	701	691	683	675	666	656
37.5	790	794	794	794	790	791	787	776	771	756
33.0	1349	1374	1382	1374	1349	1325	1288	1236	1170	1103
29.0	2243	2298	2314	2298	2243	2171	2062	1936	1813	1673
25.5	3630	3705	3722	3705	3630	3500	3302	3045	2741	2501
22.5	5606 *	5725 *	5715 *	5725 *	5606 *	5379 *	5038	4601	4074	3630
19.5	8575 *	8835 *	8821 *	8835 *	8575 *	8066 *	7493 *	6784 *	5958 *	5208 *
17.0	11901 *	12351 *	12297 *	12351 *	11901 *	11095 *	10194 *	9133 *	7892 *	6843 *
15.0	15419 *	16001 *	15834 *	16001 *	15419 *	14392 *	12991 *	11426 *	9989 *	8342 *
13.0	19979 *	20831 *	20715 *	20831 *	19979 *	18429 *	16417 *	14500 *	12304 *	10233 *
11.0	25283 *	26580 *	26456 *	26580 *	25283 *	23130 *	20654 *	17896 *	14943 *	12176 *
9.0	31191 *	32856 *	32792 *	32856 *	31191 *	28630 *	25376 *	21568 *	17793 *	14284 *
7.0	37438 *	39367 *	39455 *	39367 *	37438 *	34352 *	30025 *	25342 *	20534 *	16276 *
5.0	43465 *	46035 *	46169 *	46035 *	43465 *	39678 *	34677 *	28801 *	23127 *	18258 *
3.0	47981 *	49919 *	50337 *	49919 *	47981 *	44097 *	38238 *	31665 *	25330 *	19686 *
1.0	50692 *	51668 *	51618 *	51668 *	50692 *	46974 *	40204 *	33275 *	26533 *	20448 *
0.0	50871 *	51816 *	51778 *	51816 *	50871 *	46865 *	40061 *	33052 *	26349 *	20365 *
-1.0	50692 *	51668 *	51618 *	51668 *	50692 *	46974 *	40204 *	33275 *	26533 *	20448 *
-3.0	47981 *	49919 *	50337 *	49919 *	47981 *	44097 *	38238 *	31665 *	25330 *	19686 *
-5.0	43465 *	46035 *	46169 *	46035 *	43465 *	39678 *	34677 *	28801 *	23127 *	18258 *
-7.0	37438 *	39367 *	39455 *	39367 *	37438 *	34352 *	30025 *	25342 *	20534 *	16276 *
-9.0	31191 *	32856 *	32792 *	32856 *	31191 *	28630 *	25376 *	21568 *	17793 *	14284 *
-11.0	25283 *	26580 *	26456 *	26580 *	25283 *	23130 *	20654 *	17896 *	14943 *	12176 *
-13.0	19979 *	20831 *	20715 *	20831 *	19979 *	18429 *	16417 *	14500 *	12304 *	10233 *
-15.0	15419 *	16001 *	15834 *	16001 *	15419 *	14392 *	12991 *	11426 *	9989 *	8342 *
-17.0	11901 *	12351 *	12297 *	12351 *	11901 *	11095 *	10194 *	9133 *	7892 *	6843 *
-19.5	8575 *	8835 *	8821 *	8835 *	8575 *	8066 *	7493 *	6784 *	5958 *	5208 *
-22.5	5606 *	5725 *	5715 *	5725 *	5606 *	5379 *	5038	4601	4074	3630
-25.5	3630	3705	3722	3705	3630	3500	3302	3045	2741	2501
-29.0	2243	2298	2314	2298	2243	2171	2062	1936	1813	1673
-33.0	1349	1374	1382	1374	1349	1325	1288	1236	1170	1103
-37.5	790	794	794	794	790	791	787	776	771	756
-42.5	701	704	706	704	701	691	683	675	666	656
-47.5	574	573	572	573	574	574	574	573	569	564
-55.0	475	474	474	474	475	471	467	462	457	452
-65.0	320	320	320	320	320	319	318	317	315	313
-75.0	209	211	212	211	209	207	204	202	199	196
-85.0	74	75	75	75	74	73	74	75	76	75
-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	76	76	77	78	77	74	69	65	62	58
75.0	194	194	193	193	191	188	183	175	162	151
65.0	311	309	306	302	296	287	280	267	250	224
55.0	444	435	424	411	397	378	358	335	308	282
47.5	558	550	539	521	502	478	444	410	367	326
42.5	647	637	622	601	578	554	513	463	414	363
37.5	729	720	706	681	657	630	586	524	461	402
33.0	1048	982	903	828	759	702	642	575	502	434
29.0	1505	1367	1204	1036	893	781	697	617	541	461
25.5	2222	1939	1651	1346	1094	897	750	653	568	484

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CANDELA TABULATION - (Cont.)

22.5	3160	2704	2218	1736	1363	1051	815	681	588	504
19.5	4408	3699	2936	2203	1675	1210	887	712	606	521
17.0	5689 *	4734	3639	2655	1925	1373	958	731	618	533
15.0	6971 *	5598 *	4273	3065	2175	1499	1012	740	627	540
13.0	8272 *	6692 *	4988	3501	2432	1633	1057	765	635	547
11.0	9794 *	7707 *	5687 *	3911	2661	1759	1119	788	640	552
9.0	11188 *	8881 *	6472 *	4367	2927	1871	1180	807	644	556
7.0	12832 *	9943 *	7117 *	4735	3148	1979	1227	820	645	558
5.0	14132 *	10811 *	7610 *	5034	3311	2070	1257	827	644	561
3.0	15033 *	11491 *	8041 *	5250 *	3412	2123	1273	833	647	564
1.0	15543 *	11841 *	8250 *	5360 *	3473	2164	1290	843	648	565
0.0	15417 *	11816 *	8247 *	5344 *	3485	2172	1293	845	648	565
-1.0	15543 *	11841 *	8250 *	5360 *	3473	2164	1290	843	648	565
-3.0	15033 *	11491 *	8041 *	5250 *	3412	2123	1273	833	647	564
-5.0	14132 *	10811 *	7610 *	5034	3311	2070	1257	827	644	561
-7.0	12832 *	9943 *	7117 *	4735	3148	1979	1227	820	645	558
-9.0	11188 *	8881 *	6472 *	4367	2927	1871	1180	807	644	556
-11.0	9794 *	7707 *	5687 *	3911	2661	1759	1119	788	640	552
-13.0	8272 *	6692 *	4988	3501	2432	1633	1057	765	635	547
-15.0	6971 *	5598 *	4273	3065	2175	1499	1012	740	627	540
-17.0	5689 *	4734	3639	2655	1925	1373	958	731	618	533
-19.5	4408	3699	2936	2203	1675	1210	887	712	606	521
-22.5	3160	2704	2218	1736	1363	1051	815	681	588	504
-25.5	2222	1939	1651	1346	1094	897	750	653	568	484
-29.0	1505	1367	1204	1036	893	781	697	617	541	461
-33.0	1048	982	903	828	759	702	642	575	502	434
-37.5	729	720	706	681	657	630	586	524	461	402
-42.5	647	637	622	601	578	554	513	463	414	363
-47.5	558	550	539	521	502	478	444	410	367	326
-55.0	444	435	424	411	397	378	358	335	308	282
-65.0	311	309	306	302	296	287	280	267	250	224
-75.0	194	194	193	193	191	188	183	175	162	151
-85.0	76	76	77	78	77	74	69	65	62	58
-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	49	35	19	6	0
75.0	132	98	51	17	0
65.0	188	139	78	27	0
55.0	231	162	100	36	0
47.5	266	185	114	41	0
42.5	292	201	123	44	0
37.5	318	217	131	47	0
33.0	341	232	138	50	0
29.0	360	245	145	52	0
25.5	374	256	151	53	0
22.5	386	263	155	54	0
19.5	396	270	159	56	0
17.0	403	275	162	56	0
15.0	408	279	164	57	0
13.0	413	282	166	57	0
11.0	416	285	168	59	0
9.0	420	287	170	59	0

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CANDELA TABULATION - (Cont.)

7.0	422	288	171	59	0
5.0	424	290	173	59	0
3.0	426	291	173	59	0
1.0	425	291	174	59	0
0.0	425	291	174	59	0
-1.0	425	291	174	59	0
-3.0	426	291	173	59	0
-5.0	424	290	173	59	0
-7.0	422	288	171	59	0
-9.0	420	287	170	59	0
-11.0	416	285	168	59	0
-13.0	413	282	166	57	0
-15.0	408	279	164	57	0
-17.0	403	275	162	56	0
-19.5	396	270	159	56	0
-22.5	386	263	155	54	0
-25.5	374	256	151	53	0
-29.0	360	245	145	52	0
-33.0	341	232	138	50	0
-37.5	318	217	131	47	0
-42.5	292	201	123	44	0
-47.5	266	185	114	41	0
-55.0	231	162	100	36	0
-65.0	188	139	78	27	0
-75.0	132	98	51	17	0
-85.0	49	35	19	6	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-50-80.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 6233.48

Total Field Lumens (one side of beam only) = 4562.02

* 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	0.06	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.14
75	0.44	0.87	0.86	0.85	0.84	0.83	0.81	0.80	0.79	0.98
65	0.81	1.61	1.60	1.59	1.57	1.55	1.52	1.50	1.48	1.81
55	1.21	2.42	2.41	2.39	2.36	2.33	2.29	2.25	2.19	2.66
47.5	1.20	2.39	2.39	2.37	2.35	2.32	2.28	2.24	2.18	2.64
42.5	0.97	1.94	1.93	1.91	1.89	1.86	1.83	1.79	1.75	2.12
37.5	1.14	2.27	2.26	2.24	2.20	2.17	2.12	2.06	2.00	2.43
33	1.49	2.95	2.91	2.86	2.77	2.67	2.55	2.42	2.29	2.69
29	2.24	4.42	4.31	4.15	3.93	3.69	3.43	3.15	2.87	3.22
25.5	3.21	6.33	6.14	5.85	5.46	5.01	4.55	4.09	3.60	3.90
22.5	4.31	8.52	8.26	7.82	7.23	6.51	5.79	5.10	4.40	4.62
19.5	6.65 *	13.12 *	12.59 *	11.80 *	10.82 *	9.64 *	8.43	7.27	6.14	6.27
17	8.05 *	15.85 *	15.06 *	13.95 *	12.67 *	11.16 *	9.65 *	8.18 *	6.78	6.78
15	8.60 *	16.95 *	16.05 *	14.74 *	13.19 *	11.53 *	9.85 *	8.23 *	6.73 *	6.60
13	11.18 *	21.99 *	20.73 *	18.85 *	16.69 *	14.46 *	12.18 *	10.00 *	8.06 *	7.79 *
11	14.40 *	28.21 *	26.38 *	23.82 *	20.95 *	17.89 *	14.79 *	11.96 *	9.51 *	9.07 *
9	18.08 *	35.28 *	32.89 *	29.62 *	25.79 *	21.66 *	17.64 *	14.02 *	11.00 *	10.39 *
7	22.00 *	42.88 *	39.99 *	35.86 *	30.86 *	25.57 *	20.52 *	16.13 *	12.54 *	11.72 *
5	26.05 *	50.63 *	47.08 *	42.03 *	35.85 *	29.34 *	23.30 *	18.18 *	13.97 *	12.83 *
3	29.31 *	57.05 *	53.24 *	47.47 *	40.23 *	32.67 *	25.74 *	19.83 *	15.07 *	13.72 *
1	31.00 *	60.96 *	57.66 *	51.35 *	43.25 *	35.04 *	27.41 *	20.90 *	15.78 *	14.33 *
0	15.75 *	31.21 *	29.69 *	26.37 *	22.11 *	17.88 *	13.96 *	10.61 *	8.00 *	7.26 *
-1	15.75 *	31.21 *	29.69 *	26.37 *	22.11 *	17.88 *	13.96 *	10.61 *	8.00 *	7.26 *
	31.00 *	60.96 *	57.66 *	51.35 *	43.25 *	35.04 *	27.41 *	20.90 *	15.78 *	14.33 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-50-80.IES

LUMENS TABULATION - (Cont.)

-3	29.31 *	57.05 *	53.24 *	47.47 *	40.23 *	32.67 *	25.74 *	19.83 *	15.07 *	13.72 *
-5	26.05 *	50.63 *	47.08 *	42.03 *	35.85 *	29.34 *	23.30 *	18.18 *	13.97 *	12.83 *
-7	22.00 *	42.88 *	39.99 *	35.86 *	30.86 *	25.57 *	20.52 *	16.13 *	12.54 *	11.72 *
-9	18.08 *	35.28 *	32.89 *	29.62 *	25.79 *	21.66 *	17.64 *	14.02 *	11.00 *	10.39 *
-11	14.40 *	28.21 *	26.38 *	23.82 *	20.95 *	17.89 *	14.79 *	11.96 *	9.51 *	9.07 *
-13	11.18 *	21.99 *	20.73 *	18.85 *	16.69 *	14.46 *	12.18 *	10.00 *	8.06 *	7.79 *
-15	8.60 *	16.95 *	16.05 *	14.74 *	13.19 *	11.53 *	9.85 *	8.23 *	6.73 *	6.60
-17	8.05 *	15.85 *	15.06 *	13.95 *	12.67 *	11.16 *	9.65 *	8.18 *	6.78	6.78
-19.5	6.65 *	13.12 *	12.59 *	11.80 *	10.82 *	9.64 *	8.43	7.27	6.14	6.27
-22.5	4.31	8.52	8.26	7.82	7.23	6.51	5.79	5.10	4.40	4.62
-25.5	3.21	6.33	6.14	5.85	5.46	5.01	4.55	4.09	3.60	3.90
-29	2.24	4.42	4.31	4.15	3.93	3.69	3.43	3.15	2.87	3.22
-33	1.49	2.95	2.91	2.86	2.77	2.67	2.55	2.42	2.29	2.69
-37.5	1.14	2.27	2.26	2.24	2.20	2.17	2.12	2.06	2.00	2.43
-42.5	0.97	1.94	1.93	1.91	1.89	1.86	1.83	1.79	1.75	2.12
-47.5	1.20	2.39	2.39	2.37	2.35	2.32	2.28	2.24	2.18	2.64
-55	1.21	2.42	2.41	2.39	2.36	2.33	2.29	2.25	2.19	2.66
-65	0.81	1.61	1.60	1.59	1.57	1.55	1.52	1.50	1.48	1.81
-75	0.44	0.87	0.86	0.85	0.84	0.83	0.81	0.80	0.79	0.98
-85	0.06	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.14
-90										
Total	416.30	815.95	769.02	695.99	606.28	511.76	421.52	341.63	274.52	267.95

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.17	0.16	0.18	0.19	0.19	0.19	0.16	0.19	0.16	0.07
85	1.15	1.12	1.26	1.34	1.38	1.35	1.17	1.39	1.19	0.53
75	2.12	2.05	2.28	2.45	2.53	2.49	2.12	2.48	2.12	0.95
65	3.08	2.93	3.22	3.40	3.47	3.38	2.86	3.30	2.74	1.25
55	3.03	2.87	3.12	3.25	3.25	3.11	2.59	2.96	2.41	1.09

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-50-80.IES

LUMENS TABULATION - (Cont.)

47.5										
	2.43	2.30	2.50	2.60	2.56	2.41	1.98	2.23	1.79	0.81
42.5										
	2.78	2.63	2.87	2.98	2.92	2.71	2.21	2.46	1.95	0.87
37.5										
	2.99	2.75	2.93	3.01	2.93	2.71	2.18	2.40	1.90	0.84
33										
	3.39	2.93	2.97	2.95	2.83	2.61	2.09	2.28	1.79	0.79
29										
	3.91	3.19	3.04	2.86	2.66	2.43	1.93	2.10	1.64	0.73
25.5										
	4.45	3.47	3.13	2.75	2.43	2.18	1.73	1.87	1.46	0.64
22.5										
	5.82	4.37	3.77	3.10	2.60	2.26	1.79	1.94	1.50	0.66
19.5										
	6.10	4.41	3.66	2.89	2.30	1.94	1.53	1.65	1.28	0.56
17										
	5.81	4.10	3.30	2.53	1.93	1.58	1.25	1.35	1.04	0.46
15										
	6.75	4.66	3.67	2.72	2.00	1.61	1.26	1.36	1.05	0.46
13										
	7.71	5.22	4.02	2.91	2.09	1.65	1.28	1.38	1.06	0.47
11										
	8.72	5.79	4.37	3.10	2.18	1.68	1.29	1.39	1.07	0.47
9										
	9.68 *	6.33	4.70	3.27	2.26	1.70	1.29	1.40	1.08	0.48
7										
	10.45 *	6.77	4.98	3.41	2.31	1.71	1.30	1.40	1.08	0.48
5										
	11.06 *	7.10	5.17	3.51	2.34	1.72	1.30	1.41	1.09	0.48
3										
	11.47 *	7.30	5.29	3.58	2.37	1.73	1.30	1.41	1.09	0.48
1										
	5.80 *	3.69	2.68	1.81	1.19	0.87	0.65	0.71	0.54	0.24
0										
	5.80 *	3.69	2.68	1.81	1.19	0.87	0.65	0.71	0.54	0.24
-1										
	11.47 *	7.30	5.29	3.58	2.37	1.73	1.30	1.41	1.09	0.48
-3										
	11.06 *	7.10	5.17	3.51	2.34	1.72	1.30	1.41	1.09	0.48
-5										
	10.45 *	6.77	4.98	3.41	2.31	1.71	1.30	1.40	1.08	0.48
-7										
	9.68 *	6.33	4.70	3.27	2.26	1.70	1.29	1.40	1.08	0.48
-9										
	8.72	5.79	4.37	3.10	2.18	1.68	1.29	1.39	1.07	0.47
-11										
	7.71	5.22	4.02	2.91	2.09	1.65	1.28	1.38	1.06	0.47
-13										
	6.75	4.66	3.67	2.72	2.00	1.61	1.26	1.36	1.05	0.46
-15										
	5.81	4.10	3.30	2.53	1.93	1.58	1.25	1.35	1.04	0.46
-17										
	6.10	4.41	3.66	2.89	2.30	1.94	1.53	1.65	1.28	0.56
-19.5										
	5.82	4.37	3.77	3.10	2.60	2.26	1.79	1.94	1.50	0.66

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-50-80.IES

LUMENS TABULATION - (Cont.)

-22.5	4.45	3.47	3.13	2.75	2.43	2.18	1.73	1.87	1.46	0.64
-25.5	3.91	3.19	3.04	2.86	2.66	2.43	1.93	2.10	1.64	0.73
-29	3.39	2.93	2.97	2.95	2.83	2.61	2.09	2.28	1.79	0.79
-33	2.99	2.75	2.93	3.01	2.93	2.71	2.18	2.40	1.90	0.84
-37.5	2.78	2.63	2.87	2.98	2.92	2.71	2.21	2.46	1.95	0.87
-42.5	2.43	2.30	2.50	2.60	2.56	2.41	1.98	2.23	1.79	0.81
-47.5	3.03	2.87	3.12	3.25	3.25	3.11	2.59	2.96	2.41	1.09
-55	3.08	2.93	3.22	3.40	3.47	3.38	2.86	3.30	2.74	1.25
-65	2.12	2.05	2.28	2.45	2.53	2.49	2.12	2.48	2.12	0.95
-75	1.15	1.12	1.26	1.34	1.38	1.35	1.17	1.39	1.19	0.53
-85	0.17	0.16	0.18	0.19	0.19	0.19	0.16	0.19	0.16	0.07
-90										
Total	237.75	172.29	146.20	121.14	101.43	88.06	70.53	78.15	62.08	27.66

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.02	0.00		2.76
85				
	0.12	0.00		20.06
75				
	0.23	0.01		36.87
65				
	0.32	0.01		52.47
55				
	0.29	0.01		50.32
47.5				
	0.21	0.01		39.83
42.5				
	0.23	0.01		45.50
37.5				
	0.22	0.01		50.45
33				
	0.20	0.01		60.26
29				
	0.19	0.01		72.81
25.5				
	0.16	0.01		86.85
22.5				
	0.17	0.01		120.71
19.5				
	0.14	0.00		134.62
17				
	0.12	0.00		135.94

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-50-80.IES

LUMENS TABULATION - (Cont.)

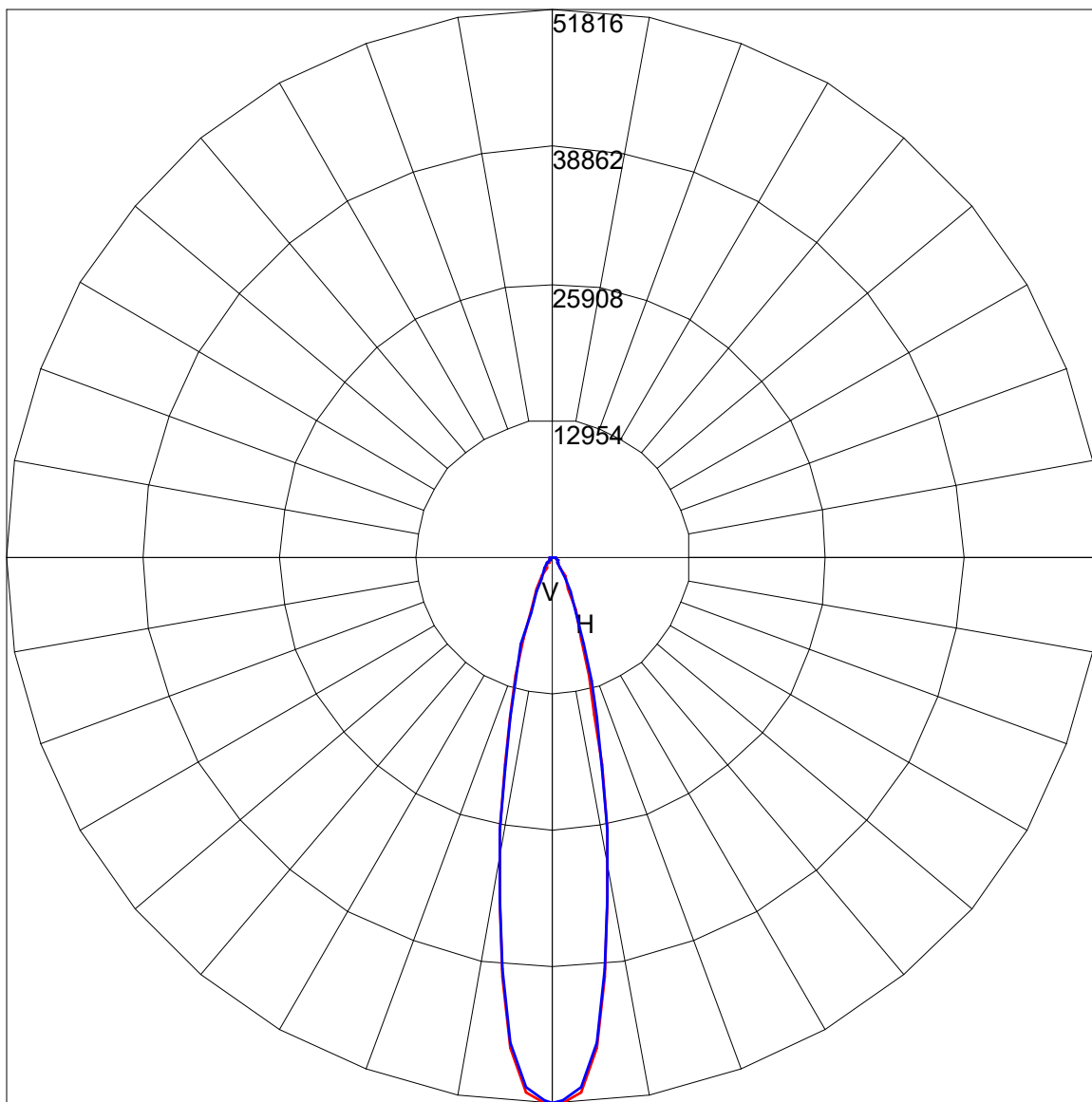
15			
	0.12	0.00	167.60
13			
	0.12	0.00	204.90
11			
	0.12	0.00	246.54
9			
	0.12	0.00	290.40
7			
	0.12	0.00	333.26
5			
	0.12	0.00	369.66
3			
	0.12	0.00	393.85
1			
	0.06	0.00	201.08
0			
	0.06	0.00	201.08
-1			
	0.12	0.00	393.85
-3			
	0.12	0.00	369.66
-5			
	0.12	0.00	333.26
-7			
	0.12	0.00	290.40
-9			
	0.12	0.00	246.54
-11			
	0.12	0.00	204.90
-13			
	0.12	0.00	167.60
-15			
	0.12	0.00	135.94
-17			
	0.14	0.00	134.62
-19.5			
	0.17	0.01	120.71
-22.5			
	0.16	0.01	86.85
-25.5			
	0.19	0.01	72.81
-29			
	0.20	0.01	60.26
-33			
	0.22	0.01	50.45
-37.5			
	0.23	0.01	45.50
-42.5			
	0.21	0.01	39.83
-47.5			
	0.29	0.01	50.32
-55			
	0.32	0.01	52.47
-65			
	0.23	0.01	36.87

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-50-80.IES

LUMENS TABULATION - (Cont.)

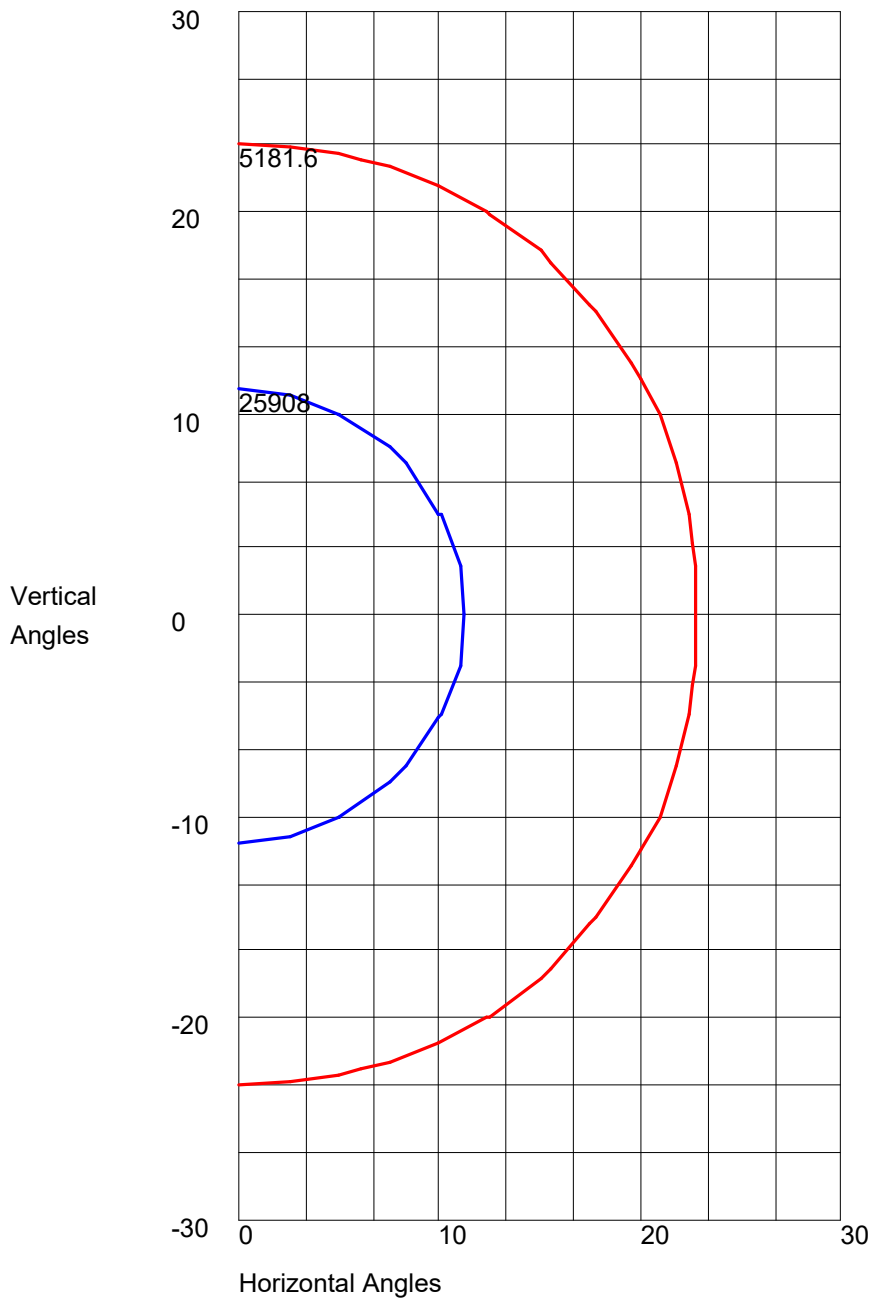
-75	0.12	0.00	20.06
-85	0.02	0.00	2.76
-90			
Total	7.04	0.23	6233.49

AXIAL CANDELA DISPLAY



Maximum Candela = 51816 Located At Horizontal Angle = -1, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 51816 Located At Horizontal Angle = -1, Vertical Angle = 0
50% Maximum Candela = 25908
10% Maximum Candela = 5181.6