



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-12L-PC-WF-40-80-FGS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-12614

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUEDATE] 04/01/21

[TESTDATE] 03/17/21

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] PFL-LED-12L-PC-WF-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	5 H x 5 V
Maximum Candela	12209
Maximum Candela Angle	-3H 0V
Horizontal Beam Angle (50%)	64.7
Vertical Beam Angle (50%)	62.1
Horizontal Field Angle (10%)	83.8
Vertical Field Angle (10%)	83.7
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	9427
Beam Efficiency	N.A.
Field Lumens	11635
Field Efficiency	N.A.
Spill Lumens	511
Luminaire Lumens	12146
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	4	85	6
75	13	75	12
65	27	65	24
55	181	55	68
47.5	356	47.5	365
42.5	932	42.5	1010
37.5	3321	37.5	2715
33	5837	33	5059
29	7467	29	7137
25.5	8720	25.5	8808
22.5	9502	22.5	10044
19.5	10365	19.5	11098
17	10895	17	11373
15	11336	15	11554
13	11778	13	11696
11	11980	11	11812
9	12083	9	11904
7	12157	7	11972
5	12199	5	12016
3	12209	3	12030
1	12135	1	12064
0	12084	0	12084
-1	12135	-1	12064
-3	12209	-3	12030
-5	12199	-5	12016
-7	12157	-7	11972
-9	12083	-9	11904
-11	11980	-11	11812
-13	11778	-13	11696
-15	11336	-15	11554
-17	10895	-17	11373
-19.5	10365	-19.5	11098
-22.5	9502	-22.5	10044
-25.5	8720	-25.5	8808
-29	7467	-29	7137
-33	5837	-33	5059
-37.5	3321	-37.5	2715
-42.5	932	-42.5	1010
-47.5	356	-47.5	365
-55	181	-55	68
-65	27	-65	24
-75	13	-75	12
-85	4	-85	6
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 12209

Beam Edge = 6104.5 Cd (50% of Max.)

Field Edge = 1220.9 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	0	1	3	4	4	4	5	5	5
75.0	0	1	3	5	6	7	8	8	9	10
65.0	0	2	5	7	9	11	12	13	15	16
55.0	0	2	6	11	13	20	26	33	40	43
47.5	0	3	8	13	21	51	72	96	116	142
42.5	0	3	9	15	34	78	105	137	175	220
37.5	0	3	10	17	52	109	142	194	268	412
33.0	0	3	11	19	73	142	194	292	487	905
29.0	0	3	11	20	93	178	254	447	936	1944 *
25.5	0	4	12	20	111	209	324	678	1678 *	3090 *
22.5	0	4	12	22	127	240	391	950	2441 *	4300 *
19.5	0	4	12	24	139	266	477	1372 *	3272 *	5306 *
17.0	0	4	12	26	149	288	539	1715 *	3935 *	5943 *
15.0	0	4	13	26	157	304	623	1949 *	4381 *	6378 *
13.0	0	4	13	27	163	318	707	2263 *	4773 *	6695 *
11.0	0	4	13	27	168	330	776	2546 *	5072 *	6982 *
9.0	0	4	13	28	173	339	831	2798 *	5307 *	7234 *
7.0	0	4	13	28	176	345	871	3001 *	5507 *	7362 *
5.0	0	4	13	28	178	350	899	3153 *	5663 *	7414 *
3.0	0	4	13	28	181	356	935	3257 *	5770 *	7442 *
1.0	0	4	13	27	181	356	933	3319 *	5830 *	7469 *
0.0	0	4	13	27	181	356	932	3321 *	5837 *	7467 *
-1.0	0	4	13	27	181	356	933	3319 *	5830 *	7469 *
-3.0	0	4	13	28	181	356	935	3257 *	5770 *	7442 *
-5.0	0	4	13	28	178	350	899	3153 *	5663 *	7414 *
-7.0	0	4	13	28	176	345	871	3001 *	5507 *	7362 *
-9.0	0	4	13	28	173	339	831	2798 *	5307 *	7234 *
-11.0	0	4	13	27	168	330	776	2546 *	5072 *	6982 *
-13.0	0	4	13	27	163	318	707	2263 *	4773 *	6695 *
-15.0	0	4	13	26	157	304	623	1949 *	4381 *	6378 *
-17.0	0	4	12	26	149	288	539	1715 *	3935 *	5943 *
-19.5	0	4	12	24	139	266	477	1372 *	3272 *	5306 *
-22.5	0	4	12	22	127	240	391	950	2441 *	4300 *
-25.5	0	4	12	20	111	209	324	678	1678 *	3090 *
-29.0	0	3	11	20	93	178	254	447	936	1944 *
-33.0	0	3	11	19	73	142	194	292	487	905
-37.5	0	3	10	17	52	109	142	194	268	412
-42.5	0	3	9	15	34	78	105	137	175	220
-47.5	0	3	8	13	21	51	72	96	116	142
-55.0	0	2	6	11	13	20	26	33	40	43
-65.0	0	2	5	7	9	11	12	13	15	16
-75.0	0	1	3	5	6	7	8	8	9	10
-85.0	0	0	1	3	4	4	4	5	5	5
-90.0	0	0	0	0	0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-WF-40-80-FGS.IES

CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	6	6	6	6	6	6	6	6	6	6
75.0	10	11	11	11	12	12	12	12	12	12
65.0	17	18	19	20	21	22	23	23	23	24
55.0	51	53	56	62	65	67	69	71	72	72
47.5	167	191	219	244	268	292	314	330	343	353
42.5	279	350	452	535	625	717	799	867	922	966
37.5	620	852	1225 *	1519 *	1714 *	1971 *	2181 *	2347 *	2497 *	2608 *
33.0	1570 *	2206 *	2869 *	3444 *	3850 *	4216 *	4540 *	4765 *	4898 *	4987 *
29.0	2948 *	3992 *	4915 *	5535 *	6013 *	6372 *	6652 *	6933 *	7142 *	7204 *
25.5	4562 *	5627 *	6559 *	7241 *	7670 *	8084 *	8477 *	8626 *	8744 *	8848 *
22.5	5788 *	6910 *	7913 *	8503 *	8952 *	9381 *	9717 *	9945 *	10075 *	10125 *
19.5	6827 *	7926 *	8860 *	9456 *	9912 *	10340 *	10670 *	10849 *	10914 *	11015 *
17.0	7438 *	8451 *	9274 *	9865 *	10284 *	10714 *	11039 *	11158 *	11244 *	11308 *
15.0	7760 *	8720 *	9535 *	10145 *	10528 *	10957 *	11228 *	11361 *	11430 *	11488 *
13.0	7993 *	8944 *	9782 *	10327 *	10735 *	11197 *	11429 *	11522 *	11593 *	11640 *
11.0	8189 *	9151 *	9940 *	10473 *	10943 *	11376 *	11577 *	11665 *	11726 *	11770 *
9.0	8349 *	9299 *	10075 *	10643 *	11068 *	11519 *	11706 *	11788 *	11836 *	11873 *
7.0	8505 *	9366 *	10243 *	10719 *	11171 *	11686 *	11810 *	11891 *	11938 *	11949 *
5.0	8637 *	9413 *	10395 *	10779 *	11345 *	11730 *	11892 *	11978 *	12026 *	12032 *
3.0	8699 *	9462 *	10388 *	10855 *	11407 *	11761 *	11947 *	12039 *	12099 *	12114 *
1.0	8723 *	9501 *	10367 *	10890 *	11371 *	11774 *	11970 *	12070 *	12139 *	12180 *
0.0	8720 *	9502 *	10365 *	10895 *	11336 *	11778 *	11980 *	12083 *	12157 *	12199 *
-1.0	8723 *	9501 *	10367 *	10890 *	11371 *	11774 *	11970 *	12070 *	12139 *	12180 *
-3.0	8699 *	9462 *	10388 *	10855 *	11407 *	11761 *	11947 *	12039 *	12099 *	12114 *
-5.0	8637 *	9413 *	10395 *	10779 *	11345 *	11730 *	11892 *	11978 *	12026 *	12032 *
-7.0	8505 *	9366 *	10243 *	10719 *	11171 *	11686 *	11810 *	11891 *	11938 *	11949 *
-9.0	8349 *	9299 *	10075 *	10643 *	11068 *	11519 *	11706 *	11788 *	11836 *	11873 *
-11.0	8189 *	9151 *	9940 *	10473 *	10943 *	11376 *	11577 *	11665 *	11726 *	11770 *
-13.0	7993 *	8944 *	9782 *	10327 *	10735 *	11197 *	11429 *	11522 *	11593 *	11640 *
-15.0	7760 *	8720 *	9535 *	10145 *	10528 *	10957 *	11228 *	11361 *	11430 *	11488 *
-17.0	7438 *	8451 *	9274 *	9865 *	10284 *	10714 *	11039 *	11158 *	11244 *	11308 *
-19.5	6827 *	7926 *	8860 *	9456 *	9912 *	10340 *	10670 *	10849 *	10914 *	11015 *
-22.5	5788 *	6910 *	7913 *	8503 *	8952 *	9381 *	9717 *	9945 *	10075 *	10125 *
-25.5	4562 *	5627 *	6559 *	7241 *	7670 *	8084 *	8477 *	8626 *	8744 *	8848 *
-29.0	2948 *	3992 *	4915 *	5535 *	6013 *	6372 *	6652 *	6933 *	7142 *	7204 *
-33.0	1570 *	2206 *	2869 *	3444 *	3850 *	4216 *	4540 *	4765 *	4898 *	4987 *
-37.5	620	852	1225 *	1519 *	1714 *	1971 *	2181 *	2347 *	2497 *	2608 *
-42.5	279	350	452	535	625	717	799	867	922	966
-47.5	167	191	219	244	268	292	314	330	343	353
-55.0	51	53	56	62	65	67	69	71	72	72
-65.0	17	18	19	20	21	22	23	23	23	24
-75.0	10	11	11	11	12	12	12	12	12	12
-85.0	6	6	6	6	6	6	6	6	6	6
-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	6	6	6
75.0	12	12	12	12	12	12	12	12	12	12
65.0	24	24	24	24	24	24	23	23	23	22

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PHOTOMETRIC FILENAME : PFL-LED-12L-PC-WF-40-80-FGS.IES

CANDELA TABULATION - (Cont.)

55.0	72	69	68	69	72	72	72	71	69	67
47.5	364	365	365	365	364	353	343	330	314	292
42.5	1011	1010	1010	1010	1011	966	922	867	799	717
37.5	2680 *	2718 *	2715 *	2718 *	2680 *	2608 *	2497 *	2347 *	2181 *	1971 *
33.0	5033 *	5064 *	5059 *	5064 *	5033 *	4987 *	4898 *	4765 *	4540 *	4216 *
29.0	7212 *	7174 *	7137 *	7174 *	7212 *	7204 *	7142 *	6933 *	6652 *	6372 *
25.5	8886 *	8852 *	8808 *	8852 *	8886 *	8848 *	8744 *	8626 *	8477 *	8084 *
22.5	10111 *	10075 *	10044 *	10075 *	10111 *	10125 *	10075 *	9945 *	9717 *	9381 *
19.5	11075 *	11096 *	11098 *	11096 *	11075 *	11015 *	10914 *	10849 *	10670 *	10340 *
17.0	11350 *	11370 *	11373 *	11370 *	11350 *	11308 *	11244 *	11158 *	11039 *	10714 *
15.0	11529 *	11552 *	11554 *	11552 *	11529 *	11488 *	11430 *	11361 *	11228 *	10957 *
13.0	11672 *	11690 *	11696 *	11690 *	11672 *	11640 *	11593 *	11522 *	11429 *	11197 *
11.0	11788 *	11805 *	11812 *	11805 *	11788 *	11770 *	11726 *	11665 *	11577 *	11376 *
9.0	11887 *	11896 *	11904 *	11896 *	11887 *	11873 *	11836 *	11788 *	11706 *	11519 *
7.0	11962 *	11964 *	11972 *	11964 *	11962 *	11949 *	11938 *	11891 *	11810 *	11686 *
5.0	12012 *	12008 *	12016 *	12008 *	12012 *	12032 *	12026 *	11978 *	11892 *	11730 *
3.0	12075 *	12022 *	12030 *	12022 *	12075 *	12114 *	12099 *	12039 *	11947 *	11761 *
1.0	12178 *	12085 *	12064 *	12085 *	12178 *	12180 *	12139 *	12070 *	11970 *	11774 *
0.0	12209 *	12135 *	12084 *	12135 *	12209 *	12199 *	12157 *	12083 *	11980 *	11778 *
-1.0	12178 *	12085 *	12064 *	12085 *	12178 *	12180 *	12139 *	12070 *	11970 *	11774 *
-3.0	12075 *	12022 *	12030 *	12022 *	12075 *	12114 *	12099 *	12039 *	11947 *	11761 *
-5.0	12012 *	12008 *	12016 *	12008 *	12012 *	12032 *	12026 *	11978 *	11892 *	11730 *
-7.0	11962 *	11964 *	11972 *	11964 *	11962 *	11949 *	11938 *	11891 *	11810 *	11686 *
-9.0	11887 *	11896 *	11904 *	11896 *	11887 *	11873 *	11836 *	11788 *	11706 *	11519 *
-11.0	11788 *	11805 *	11812 *	11805 *	11788 *	11770 *	11726 *	11665 *	11577 *	11376 *
-13.0	11672 *	11690 *	11696 *	11690 *	11672 *	11640 *	11593 *	11522 *	11429 *	11197 *
-15.0	11529 *	11552 *	11554 *	11552 *	11529 *	11488 *	11430 *	11361 *	11228 *	10957 *
-17.0	11350 *	11370 *	11373 *	11370 *	11350 *	11308 *	11244 *	11158 *	11039 *	10714 *
-19.5	11075 *	11096 *	11098 *	11096 *	11075 *	11015 *	10914 *	10849 *	10670 *	10340 *
-22.5	10111 *	10075 *	10044 *	10075 *	10111 *	10125 *	10075 *	9945 *	9717 *	9381 *
-25.5	8886 *	8852 *	8808 *	8852 *	8886 *	8848 *	8744 *	8626 *	8477 *	8084 *
-29.0	7212 *	7174 *	7137 *	7174 *	7212 *	7204 *	7142 *	6933 *	6652 *	6372 *
-33.0	5033 *	5064 *	5059 *	5064 *	5033 *	4987 *	4898 *	4765 *	4540 *	4216 *
-37.5	2680 *	2718 *	2715 *	2718 *	2680 *	2608 *	2497 *	2347 *	2181 *	1971 *
-42.5	1011	1010	1010	1010	1011	966	922	867	799	717
-47.5	364	365	365	365	364	353	343	330	314	292
-55.0	72	69	68	69	72	72	72	71	69	67
-65.0	24	24	24	24	24	24	23	23	23	22
-75.0	12	12	12	12	12	12	12	12	12	12
-85.0	6	6	6	6	6	6	6	6	6	6
-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	6	6	6	6	6	5	5	5	4	4
75.0	12	11	11	11	10	10	9	8	8	7
65.0	21	20	19	18	17	16	15	13	12	11
55.0	65	62	56	53	51	43	40	33	26	20
47.5	268	244	219	191	167	142	116	96	72	51
42.5	625	535	452	350	279	220	175	137	105	78
37.5	1714 *	1519 *	1225 *	852	620	412	268	194	142	109
33.0	3850 *	3444 *	2869 *	2206 *	1570 *	905	487	292	194	142
29.0	6013 *	5535 *	4915 *	3992 *	2948 *	1944 *	936	447	254	178
25.5	7670 *	7241 *	6559 *	5627 *	4562 *	3090 *	1678 *	678	324	209

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CANDELA TABULATION - (Cont.)

22.5	8952 *	8503 *	7913 *	6910 *	5788 *	4300 *	2441 *	950	391	240
19.5	9912 *	9456 *	8860 *	7926 *	6827 *	5306 *	3272 *	1372 *	477	266
17.0	10284 *	9865 *	9274 *	8451 *	7438 *	5943 *	3935 *	1715 *	539	288
15.0	10528 *	10145 *	9535 *	8720 *	7760 *	6378 *	4381 *	1949 *	623	304
13.0	10735 *	10327 *	9782 *	8944 *	7993 *	6695 *	4773 *	2263 *	707	318
11.0	10943 *	10473 *	9940 *	9151 *	8189 *	6982 *	5072 *	2546 *	776	330
9.0	11068 *	10643 *	10075 *	9299 *	8349 *	7234 *	5307 *	2798 *	831	339
7.0	11171 *	10719 *	10243 *	9366 *	8505 *	7362 *	5507 *	3001 *	871	345
5.0	11345 *	10779 *	10395 *	9413 *	8637 *	7414 *	5663 *	3153 *	899	350
3.0	11407 *	10855 *	10388 *	9462 *	8699 *	7442 *	5770 *	3257 *	935	356
1.0	11371 *	10890 *	10367 *	9501 *	8723 *	7469 *	5830 *	3319 *	933	356
0.0	11336 *	10895 *	10365 *	9502 *	8720 *	7467 *	5837 *	3321 *	932	356
-1.0	11371 *	10890 *	10367 *	9501 *	8723 *	7469 *	5830 *	3319 *	933	356
-3.0	11407 *	10855 *	10388 *	9462 *	8699 *	7442 *	5770 *	3257 *	935	356
-5.0	11345 *	10779 *	10395 *	9413 *	8637 *	7414 *	5663 *	3153 *	899	350
-7.0	11171 *	10719 *	10243 *	9366 *	8505 *	7362 *	5507 *	3001 *	871	345
-9.0	11068 *	10643 *	10075 *	9299 *	8349 *	7234 *	5307 *	2798 *	831	339
-11.0	10943 *	10473 *	9940 *	9151 *	8189 *	6982 *	5072 *	2546 *	776	330
-13.0	10735 *	10327 *	9782 *	8944 *	7993 *	6695 *	4773 *	2263 *	707	318
-15.0	10528 *	10145 *	9535 *	8720 *	7760 *	6378 *	4381 *	1949 *	623	304
-17.0	10284 *	9865 *	9274 *	8451 *	7438 *	5943 *	3935 *	1715 *	539	288
-19.5	9912 *	9456 *	8860 *	7926 *	6827 *	5306 *	3272 *	1372 *	477	266
-22.5	8952 *	8503 *	7913 *	6910 *	5788 *	4300 *	2441 *	950	391	240
-25.5	7670 *	7241 *	6559 *	5627 *	4562 *	3090 *	1678 *	678	324	209
-29.0	6013 *	5535 *	4915 *	3992 *	2948 *	1944 *	936	447	254	178
-33.0	3850 *	3444 *	2869 *	2206 *	1570 *	905	487	292	194	142
-37.5	1714 *	1519 *	1225 *	852	620	412	268	194	142	109
-42.5	625	535	452	350	279	220	175	137	105	78
-47.5	268	244	219	191	167	142	116	96	72	51
-55.0	65	62	56	53	51	43	40	33	26	20
-65.0	21	20	19	18	17	16	15	13	12	11
-75.0	12	11	11	11	10	10	9	8	8	7
-85.0	6	6	6	6	6	5	5	5	4	4
-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	4	3	1	0	0
75.0	6	5	3	1	0
65.0	9	7	5	2	0
55.0	13	11	6	2	0
47.5	21	13	8	3	0
42.5	34	15	9	3	0
37.5	52	17	10	3	0
33.0	73	19	11	3	0
29.0	93	20	11	3	0
25.5	111	20	12	4	0
22.5	127	22	12	4	0
19.5	139	24	12	4	0
17.0	149	26	12	4	0
15.0	157	26	13	4	0
13.0	163	27	13	4	0
11.0	168	27	13	4	0
9.0	173	28	13	4	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-WF-40-80-FGS.IES

CANDELA TABULATION - (Cont.)

7.0	176	28	13	4	0
5.0	178	28	13	4	0
3.0	181	28	13	4	0
1.0	181	27	13	4	0
0.0	181	27	13	4	0
-1.0	181	27	13	4	0
-3.0	181	28	13	4	0
-5.0	178	28	13	4	0
-7.0	176	28	13	4	0
-9.0	173	28	13	4	0
-11.0	168	27	13	4	0
-13.0	163	27	13	4	0
-15.0	157	26	13	4	0
-17.0	149	26	12	4	0
-19.5	139	24	12	4	0
-22.5	127	22	12	4	0
-25.5	111	20	12	4	0
-29.0	93	20	11	3	0
-33.0	73	19	11	3	0
-37.5	52	17	10	3	0
-42.5	34	15	9	3	0
-47.5	21	13	8	3	0
-55.0	13	11	6	2	0
-65.0	9	7	5	2	0
-75.0	6	5	3	1	0
-85.0	4	3	1	0	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-WF-40-80-FGS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 6072.95

Total Field Lumens (one side of beam only) = 5817.48

* 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	0.03	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06
65	0.05	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.09	0.11
55	0.14	0.29	0.29	0.29	0.29	0.28	0.27	0.26	0.25	0.28
47.5	0.50	0.99	0.98	0.95	0.92	0.88	0.83	0.77	0.70	0.79
42.5	1.05	2.09	2.05	1.96	1.86	1.73	1.58	1.41	1.22	1.31
37.5	2.84 *	5.65 *	5.52 *	5.30 *	5.00 *	4.65 *	4.22 *	3.71 *	3.22	3.37
33	5.33 *	10.61 *	10.47 *	10.22 *	9.85 *	9.34 *	8.65 *	7.81 *	6.94 *	7.37 *
29	7.44 *	14.91 *	14.85 *	14.68 *	14.32 *	13.73 *	12.98 *	12.09 *	11.03 *	12.12 *
25.5	8.52 *	17.11 *	17.10 *	16.93 *	16.60 *	16.11 *	15.43 *	14.55 *	13.56 *	15.34 *
22.5	8.63 *	17.32 *	17.31 *	17.17 *	16.92 *	16.54 *	15.94 *	15.11 *	14.22 *	16.39 *
19.5	9.67 *	19.34 *	19.29 *	19.14 *	18.90 *	18.53 *	17.93 *	17.11 *	16.17 *	18.84 *
17	8.55 *	17.08 *	17.00 *	16.84 *	16.65 *	16.39 *	15.93 *	15.24 *	14.46 *	16.93 *
15	6.98 *	13.94 *	13.88 *	13.77 *	13.63 *	13.43 *	13.09 *	12.56 *	11.95 *	14.04 *
13	7.08 *	14.14 *	14.08 *	13.98 *	13.85 *	13.66 *	13.35 *	12.83 *	12.22 *	14.39 *
11	7.16 *	14.29 *	14.24 *	14.16 *	14.03 *	13.86 *	13.58 *	13.08 *	12.44 *	14.65 *
9	7.22 *	14.42 *	14.38 *	14.30 *	14.18 *	14.02 *	13.76 *	13.27 *	12.63 *	14.87 *
7	7.27 *	14.52 *	14.49 *	14.42 *	14.31 *	14.16 *	13.92 *	13.43 *	12.77 *	15.07 *
5	7.30 *	14.60 *	14.57 *	14.52 *	14.43 *	14.27 *	14.04 *	13.58 *	12.89 *	15.24 *
3	7.32 *	14.65 *	14.66 *	14.62 *	14.52 *	14.36 *	14.10 *	13.67 *	13.00 *	15.34 *
1	7.34 *	14.72 *	14.75 *	14.70 *	14.58 *	14.41 *	14.14 *	13.69 *	13.04 *	15.37 *
0	3.68 *	7.40 *	7.41 *	7.37 *	7.31 *	7.21 *	7.08 *	6.84 *	6.51 *	7.69 *
-1	3.68 *	7.40 *	7.41 *	7.37 *	7.31 *	7.21 *	7.08 *	6.84 *	6.51 *	7.69 *
	7.34 *	14.72 *	14.75 *	14.70 *	14.58 *	14.41 *	14.14 *	13.69 *	13.04 *	15.37 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-WF-40-80-FGS.IES

LUMENS TABULATION - (Cont.)

-3	7.32 *	14.65 *	14.66 *	14.62 *	14.52 *	14.36 *	14.10 *	13.67 *	13.00 *	15.34 *
-5	7.30 *	14.60 *	14.57 *	14.52 *	14.43 *	14.27 *	14.04 *	13.58 *	12.89 *	15.24 *
-7	7.27 *	14.52 *	14.49 *	14.42 *	14.31 *	14.16 *	13.92 *	13.43 *	12.77 *	15.07 *
-9	7.22 *	14.42 *	14.38 *	14.30 *	14.18 *	14.02 *	13.76 *	13.27 *	12.63 *	14.87 *
-11	7.16 *	14.29 *	14.24 *	14.16 *	14.03 *	13.86 *	13.58 *	13.08 *	12.44 *	14.65 *
-13	7.08 *	14.14 *	14.08 *	13.98 *	13.85 *	13.66 *	13.35 *	12.83 *	12.22 *	14.39 *
-15	6.98 *	13.94 *	13.88 *	13.77 *	13.63 *	13.43 *	13.09 *	12.56 *	11.95 *	14.04 *
-17	8.55 *	17.08 *	17.00 *	16.84 *	16.65 *	16.39 *	15.93 *	15.24 *	14.46 *	16.93 *
-19.5	9.67 *	19.34 *	19.29 *	19.14 *	18.90 *	18.53 *	17.93 *	17.11 *	16.17 *	18.84 *
-22.5	8.63 *	17.32 *	17.31 *	17.17 *	16.92 *	16.54 *	15.94 *	15.11 *	14.22 *	16.39 *
-25.5	8.52 *	17.11 *	17.10 *	16.93 *	16.60 *	16.11 *	15.43 *	14.55 *	13.56 *	15.34 *
-29	7.44 *	14.91 *	14.85 *	14.68 *	14.32 *	13.73 *	12.98 *	12.09 *	11.03 *	12.12 *
-33	5.33 *	10.61 *	10.47 *	10.22 *	9.85 *	9.34 *	8.65 *	7.81 *	6.94 *	7.37 *
-37.5	2.84 *	5.65 *	5.52 *	5.30 *	5.00 *	4.65 *	4.22 *	3.71 *	3.22	3.37
-42.5	1.05	2.09	2.05	1.96	1.86	1.73	1.58	1.41	1.22	1.31
-47.5	0.50	0.99	0.98	0.95	0.92	0.88	0.83	0.77	0.70	0.79
-55	0.14	0.29	0.29	0.29	0.29	0.28	0.27	0.26	0.25	0.28
-65	0.05	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.09	0.11
-75	0.03	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06
-85	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-90										
Total	228.24	456.50	454.94	451.01	444.63	435.45	421.94	402.31	378.72	439.16

Vert. Horizontal Angles

	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29</u>	<u>33</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>	<u>55</u>	<u>65</u>
90	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
85	0.07	0.07	0.07	0.08	0.08	0.07	0.06	0.08	0.07	0.03
75	0.13	0.12	0.13	0.13	0.13	0.12	0.10	0.12	0.10	0.05
65	0.31	0.29	0.30	0.30	0.28	0.24	0.19	0.19	0.15	0.08
55	0.83	0.72	0.72	0.67	0.60	0.50	0.34	0.28	0.17	0.07

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-WF-40-80-FGS.IES

LUMENS TABULATION - (Cont.)

47.5	1.29	1.03	0.96	0.85	0.73	0.60	0.41	0.33	0.16	0.06
42.5	3.07	2.19	1.81	1.40	1.08	0.84	0.58	0.49	0.22	0.07
37.5	6.86 *	4.93 *	3.74	2.43	1.56	1.08	0.71	0.60	0.28	0.07
33	11.93 *	8.95 *	6.98 *	4.46	2.42	1.38	0.83	0.69	0.31	0.06
29	15.74 *	12.51 *	10.40 *	6.99 *	3.66	1.74	0.91	0.74	0.32	0.06
25.5	17.28 *	14.33 *	12.61 *	9.01 *	4.82 *	2.05	0.94	0.74	0.32	0.05
22.5	20.22 *	17.19 *	15.79 *	12.00 *	6.74 *	2.79	1.11	0.83	0.36	0.05
19.5	18.40 *	15.99 *	15.11 *	12.05 *	7.20 *	2.99	1.06	0.75	0.32	0.05
17	15.35 *	13.51 *	13.04 *	10.77 *	6.70 *	2.81	0.94	0.64	0.27	0.04
15	15.77 *	13.95 *	13.66 *	11.60 *	7.48 *	3.23 *	1.05	0.67	0.28	0.04
13	16.13 *	14.31 *	14.15 *	12.28 *	8.20 *	3.67 *	1.15	0.70	0.29	0.04
11	16.41 *	14.60 *	14.57 *	12.84 *	8.80 *	4.05 *	1.23	0.72	0.30	0.04
9	16.63 *	14.82 *	14.90 *	13.27 *	9.30 *	4.37 *	1.28	0.74	0.31	0.04
7	16.81 *	14.99 *	15.12 *	13.55 *	9.69 *	4.62 *	1.33	0.75	0.31	0.04
5	16.92 *	15.11 *	15.25 *	13.73 *	9.98 *	4.81 *	1.37	0.76	0.32	0.04
3	16.94 *	15.19 *	15.32 *	13.84 *	10.17 *	4.92 *	1.39	0.77	0.32	0.04
1	8.47 *	7.61 *	7.67 *	6.94 *	5.12 *	2.48 *	0.69	0.38	0.16	0.02
0	8.47 *	7.61 *	7.67 *	6.94 *	5.12 *	2.48 *	0.69	0.38	0.16	0.02
-1	16.94 *	15.19 *	15.32 *	13.84 *	10.17 *	4.92 *	1.39	0.77	0.32	0.04
-3	16.92 *	15.11 *	15.25 *	13.73 *	9.98 *	4.81 *	1.37	0.76	0.32	0.04
-5	16.81 *	14.99 *	15.12 *	13.55 *	9.69 *	4.62 *	1.33	0.75	0.31	0.04
-7	16.63 *	14.82 *	14.90 *	13.27 *	9.30 *	4.37 *	1.28	0.74	0.31	0.04
-9	16.41 *	14.60 *	14.57 *	12.84 *	8.80 *	4.05 *	1.23	0.72	0.30	0.04
-11	16.13 *	14.31 *	14.15 *	12.28 *	8.20 *	3.67 *	1.15	0.70	0.29	0.04
-13	15.77 *	13.95 *	13.66 *	11.60 *	7.48 *	3.23 *	1.05	0.67	0.28	0.04
-15	15.35 *	13.51 *	13.04 *	10.77 *	6.70 *	2.81	0.94	0.64	0.27	0.04
-17	18.40 *	15.99 *	15.11 *	12.05 *	7.20 *	2.99	1.06	0.75	0.32	0.05
-19.5	20.22 *	17.19 *	15.79 *	12.00 *	6.74 *	2.79	1.11	0.83	0.36	0.05

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-WF-40-80-FGS.IES

LUMENS TABULATION - (Cont.)

-22.5	17.28 *	14.33 *	12.61 *	9.01 *	4.82 *	2.05	0.94	0.74	0.32	0.05
-25.5	15.74 *	12.51 *	10.40 *	6.99 *	3.66	1.74	0.91	0.74	0.32	0.06
-29	11.93 *	8.95 *	6.98 *	4.46	2.42	1.38	0.83	0.69	0.31	0.06
-33	6.86 *	4.93 *	3.74	2.43	1.56	1.08	0.71	0.60	0.28	0.07
-37.5	3.07	2.19	1.81	1.40	1.08	0.84	0.58	0.49	0.22	0.07
-42.5	1.29	1.03	0.96	0.85	0.73	0.60	0.41	0.33	0.16	0.06
-47.5	0.83	0.72	0.72	0.67	0.60	0.50	0.34	0.28	0.17	0.07
-55	0.31	0.29	0.30	0.30	0.28	0.24	0.19	0.19	0.15	0.08
-65	0.13	0.12	0.13	0.13	0.13	0.12	0.10	0.12	0.10	0.05
-75	0.07	0.07	0.07	0.08	0.08	0.07	0.06	0.08	0.07	0.03
-85	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-90	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total	471.16	404.82	384.66	318.41	209.54	98.80	35.36	23.97	10.71	2.12

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.00	0.00	0.21	
85				
	0.01	0.00	1.20	
75				
	0.01	0.00	2.13	
65				
	0.02	0.00	4.98	
55				
	0.02	0.00	13.23	
47.5				
	0.02	0.00	22.69	
42.5				
	0.02	0.00	55.25	
37.5				
	0.02	0.00	108.86	
33				
	0.01	0.00	166.19	
29				
	0.01	0.00	204.34	
25.5				
	0.01	0.00	217.70	
22.5				
	0.01	0.00	252.02	
19.5				
	0.01	0.00	229.00	
17				
	0.01	0.00	191.38	

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-WF-40-80-FGS.IES

LUMENS TABULATION - (Cont.)

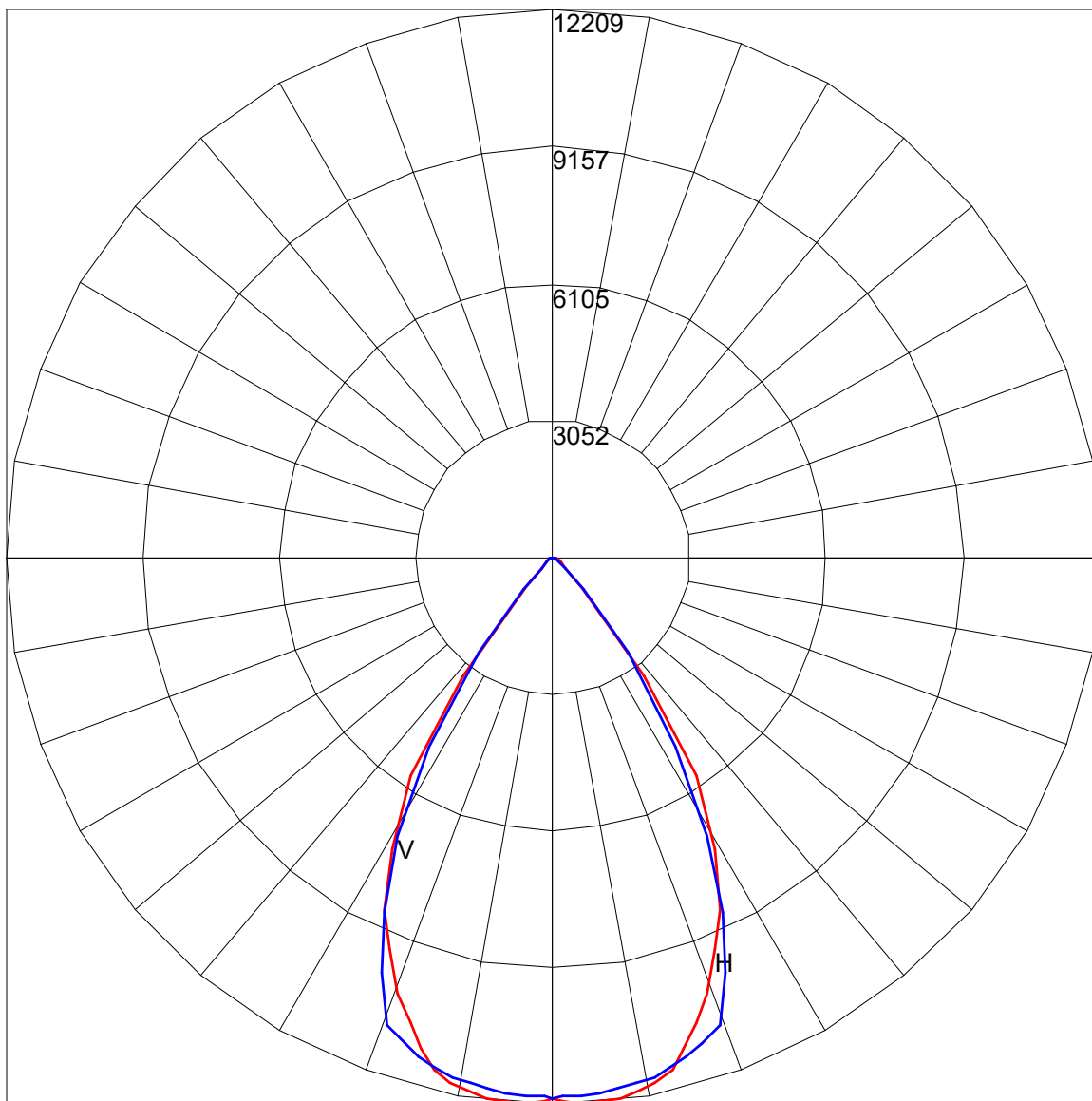
15	0.01	0.00	197.33
13	0.01	0.00	202.41
11	0.01	0.00	206.63
9	0.01	0.00	210.03
7	0.01	0.00	212.66
5	0.01	0.00	214.53
3	0.01	0.00	215.65
1	0.00	0.00	108.06
0	0.00	0.00	108.06
-1	0.01	0.00	215.65
-3	0.01	0.00	214.53
-5	0.01	0.00	212.66
-7	0.01	0.00	210.03
-9	0.01	0.00	206.63
-11	0.01	0.00	202.41
-13	0.01	0.00	197.33
-15	0.01	0.00	191.38
-17	0.01	0.00	229.00
-19.5	0.01	0.00	252.02
-22.5	0.01	0.00	217.70
-25.5	0.01	0.00	204.34
-29	0.01	0.00	166.19
-33	0.02	0.00	108.86
-37.5	0.02	0.00	55.25
-42.5	0.02	0.00	22.69
-47.5	0.02	0.00	13.23
-55	0.02	0.00	4.98
-65	0.01	0.00	2.13

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-WF-40-80-FGS.IES

LUMENS TABULATION - (Cont.)

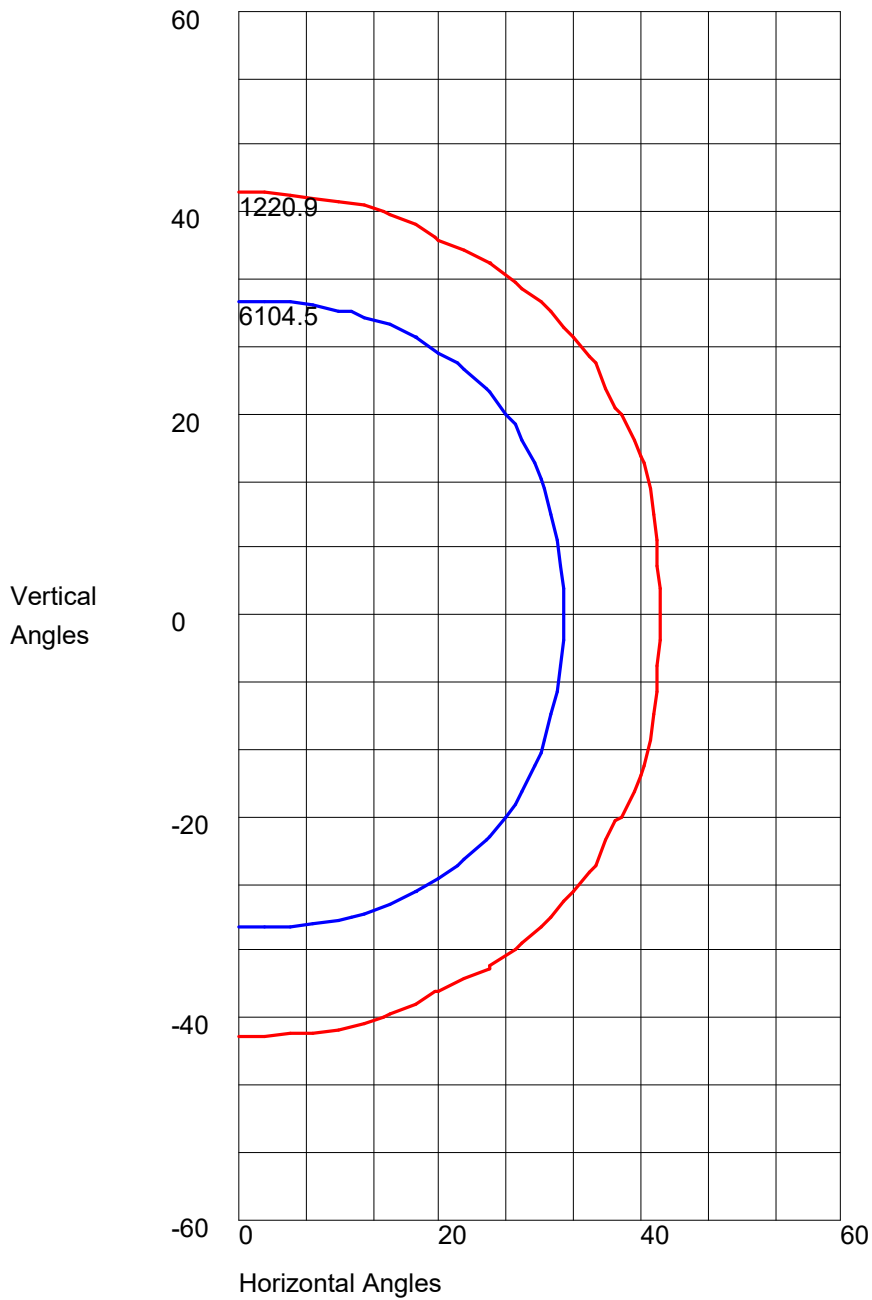
-75	0.01	0.00	1.20
-85	0.00	0.00	0.21
-90			
Total	0.50	0.02	6072.95

AXIAL CANDELA DISPLAY



Maximum Candela = 12209 Located At Horizontal Angle = -3, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 12209 Located At Horizontal Angle = -3, Vertical Angle = 0
50% Maximum Candela = 6104.5
10% Maximum Candela = 1220.9