



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-16L-PC-WF-50-80-FGS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12614
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 03/30/21
[TESTDATE] 03/17/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] PFL-LED-16L-PC-WF-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	5 H x 5 V
Maximum Candela	13555
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	10467
Beam Efficiency	N.A.
Field Lumens	12919
Field Efficiency	N.A.
Spill Lumens	568
Luminaire Lumens	13486
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	4	85	7
75	15	75	14
65	30	65	26
55	201	55	76
47.5	395	47.5	406
42.5	1035	42.5	1121
37.5	3687	37.5	3014
33	6482	33	5617
29	8291	29	7925
25.5	9682	25.5	9779
22.5	10550	22.5	11152
19.5	11509	19.5	12322
17	12097	17	12628
15	12587	15	12829
13	13077	13	12986
11	13302	11	13115
9	13416	9	13217
7	13498	7	13293
5	13544	5	13342
3	13555	3	13358
1	13474	1	13396
0	13418	0	13418
-1	13474	-1	13396
-3	13555	-3	13358
-5	13544	-5	13342
-7	13498	-7	13293
-9	13416	-9	13217
-11	13302	-11	13115
-13	13077	-13	12986
-15	12587	-15	12829
-17	12097	-17	12628
-19.5	11509	-19.5	12322
-22.5	10550	-22.5	11152
-25.5	9682	-25.5	9779
-29	8291	-29	7925
-33	6482	-33	5617
-37.5	3687	-37.5	3014
-42.5	1035	-42.5	1121
-47.5	395	-47.5	406
-55	201	-55	76
-65	30	-65	26
-75	15	-75	14
-85	4	-85	7
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 13555

Beam Edge = 6777.5 Cd (50% of Max.)

Field Edge = 1355.5 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	5	5	5	6	6
75.0	0	1	3	5	7	8	9	9	10	11
65.0	0	2	5	8	10	12	14	15	17	18
55.0	0	2	7	12	15	22	29	37	44	48
47.5	0	3	9	15	23	57	80	106	129	157
42.5	0	3	10	17	38	87	117	152	193	245
37.5	0	3	11	19	58	121	158	216	298	457
33.0	0	3	12	20	80	158	215	324	541	1005
29.0	0	3	12	21	102	197	282	496	1038	2159 *
25.5	0	4	13	22	123	232	360	753	1863 *	3431 *
22.5	0	4	14	25	141	266	434	1055	2710 *	4774 *
19.5	0	4	14	27	155	296	530	1524 *	3633 *	5891 *
17.0	0	4	14	28	166	320	598	1904 *	4370 *	6598 *
15.0	0	4	14	29	174	338	692	2164 *	4865 *	7082 *
13.0	0	4	14	30	181	354	785	2513 *	5299 *	7434 *
11.0	0	4	15	30	187	366	861	2827 *	5631 *	7753 *
9.0	0	4	15	31	192	376	922	3107 *	5893 *	8032 *
7.0	0	4	15	31	195	384	967	3332 *	6115 *	8174 *
5.0	0	4	15	31	198	389	998	3501 *	6288 *	8231 *
3.0	0	4	15	31	201	396	1038	3616 *	6407 *	8262 *
1.0	0	4	15	30	201	395	1036	3685 *	6474 *	8292 *
0.0	0	4	15	30	201	395	1035	3687 *	6482 *	8291 *
-1.0	0	4	15	30	201	395	1036	3685 *	6474 *	8292 *
-3.0	0	4	15	31	201	396	1038	3616 *	6407 *	8262 *
-5.0	0	4	15	31	198	389	998	3501 *	6288 *	8231 *
-7.0	0	4	15	31	195	384	967	3332 *	6115 *	8174 *
-9.0	0	4	15	31	192	376	922	3107 *	5893 *	8032 *
-11.0	0	4	15	30	187	366	861	2827 *	5631 *	7753 *
-13.0	0	4	14	30	181	354	785	2513 *	5299 *	7434 *
-15.0	0	4	14	29	174	338	692	2164 *	4865 *	7082 *
-17.0	0	4	14	28	166	320	598	1904 *	4370 *	6598 *
-19.5	0	4	14	27	155	296	530	1524 *	3633 *	5891 *
-22.5	0	4	14	25	141	266	434	1055	2710 *	4774 *
-25.5	0	4	13	22	123	232	360	753	1863 *	3431 *
-29.0	0	3	12	21	102	197	282	496	1038	2159 *
-33.0	0	3	12	20	80	158	215	324	541	1005
-37.5	0	3	11	19	58	121	158	216	298	457
-42.5	0	3	10	17	38	87	117	152	193	245
-47.5	0	3	9	15	23	57	80	106	129	157
-55.0	0	2	7	12	15	22	29	37	44	48
-65.0	0	2	5	8	10	12	14	15	17	18
-75.0	0	1	3	5	7	8	9	9	10	11
-85.0	0	0	1	3	4	5	5	5	6	6
-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	7	7	7	7	7	7	7	7	7	7
75.0	12	12	13	13	14	14	14	14	14	14
65.0	19	20	21	22	23	24	25	25	25	26
55.0	56	59	63	69	72	75	77	79	80	80
47.5	185	212	243	271	298	324	349	366	381	392
42.5	311	389	502	593	694	796	887	963	1024	1073
37.5	689	945	1360 *	1686 *	1904 *	2189 *	2421 *	2606 *	2772 *	2895 *
33.0	1743 *	2450 *	3186 *	3824 *	4274 *	4682 *	5041 *	5291 *	5438 *	5537 *
29.0	3273 *	4432 *	5457 *	6146 *	6677 *	7075 *	7385 *	7698 *	7930 *	7999 *
25.5	5065 *	6248 *	7283 *	8039 *	8516 *	8976 *	9412 *	9578 *	9708 *	9824 *
22.5	6427 *	7673 *	8785 *	9440 *	9940 *	10416 *	10789 *	11042 *	11186 *	11242 *
19.5	7580 *	8801 *	9836 *	10499 *	11005 *	11481 *	11847 *	12046 *	12118 *	12230 *
17.0	8259 *	9383 *	10296 *	10954 *	11418 *	11897 *	12257 *	12390 *	12484 *	12555 *
15.0	8616 *	9681 *	10586 *	11264 *	11690 *	12166 *	12466 *	12614 *	12692 *	12756 *
13.0	8875 *	9930 *	10861 *	11466 *	11920 *	12431 *	12690 *	12793 *	12873 *	12924 *
11.0	9092 *	10161 *	11036 *	11629 *	12151 *	12631 *	12854 *	12952 *	13020 *	13068 *
9.0	9270 *	10325 *	11186 *	11817 *	12289 *	12790 *	12998 *	13089 *	13142 *	13183 *
7.0	9443 *	10399 *	11373 *	11901 *	12404 *	12975 *	13114 *	13203 *	13255 *	13268 *
5.0	9590 *	10451 *	11541 *	11969 *	12597 *	13024 *	13204 *	13300 *	13353 *	13359 *
3.0	9659 *	10506 *	11533 *	12052 *	12666 *	13059 *	13264 *	13367 *	13434 *	13451 *
1.0	9685 *	10549 *	11510 *	12092 *	12626 *	13072 *	13290 *	13401 *	13478 *	13524 *
0.0	9682 *	10550 *	11509 *	12097 *	12587 *	13077 *	13302 *	13416 *	13498 *	13544 *
-1.0	9685 *	10549 *	11510 *	12092 *	12626 *	13072 *	13290 *	13401 *	13478 *	13524 *
-3.0	9659 *	10506 *	11533 *	12052 *	12666 *	13059 *	13264 *	13367 *	13434 *	13451 *
-5.0	9590 *	10451 *	11541 *	11969 *	12597 *	13024 *	13204 *	13300 *	13353 *	13359 *
-7.0	9443 *	10399 *	11373 *	11901 *	12404 *	12975 *	13114 *	13203 *	13255 *	13268 *
-9.0	9270 *	10325 *	11186 *	11817 *	12289 *	12790 *	12998 *	13089 *	13142 *	13183 *
-11.0	9092 *	10161 *	11036 *	11629 *	12151 *	12631 *	12854 *	12952 *	13020 *	13068 *
-13.0	8875 *	9930 *	10861 *	11466 *	11920 *	12431 *	12690 *	12793 *	12873 *	12924 *
-15.0	8616 *	9681 *	10586 *	11264 *	11690 *	12166 *	12466 *	12614 *	12692 *	12756 *
-17.0	8259 *	9383 *	10296 *	10954 *	11418 *	11897 *	12257 *	12390 *	12484 *	12555 *
-19.5	7580 *	8801 *	9836 *	10499 *	11005 *	11481 *	11847 *	12046 *	12118 *	12230 *
-22.5	6427 *	7673 *	8785 *	9440 *	9940 *	10416 *	10789 *	11042 *	11186 *	11242 *
-25.5	5065 *	6248 *	7283 *	8039 *	8516 *	8976 *	9412 *	9578 *	9708 *	9824 *
-29.0	3273 *	4432 *	5457 *	6146 *	6677 *	7075 *	7385 *	7698 *	7930 *	7999 *
-33.0	1743 *	2450 *	3186 *	3824 *	4274 *	4682 *	5041 *	5291 *	5438 *	5537 *
-37.5	689	945	1360 *	1686 *	1904 *	2189 *	2421 *	2606 *	2772 *	2895 *
-42.5	311	389	502	593	694	796	887	963	1024	1073
-47.5	185	212	243	271	298	324	349	366	381	392
-55.0	56	59	63	69	72	75	77	79	80	80
-65.0	19	20	21	22	23	24	25	25	25	26
-75.0	12	12	13	13	14	14	14	14	14	14
-85.0	7	7	7	7	7	7	7	7	7	7
-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	7	7	7	7	7	7	7	7	7	7
75.0	14	14	14	14	14	14	14	14	14	14
65.0	26	26	26	26	26	26	25	25	25	24

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CANDELA TABULATION - (Cont.)

55.0	80	77	76	77	80	80	80	79	77	75
47.5	405	406	406	406	405	392	381	366	349	324
42.5	1123	1122	1121	1122	1123	1073	1024	963	887	796
37.5	2975 *	3017 *	3014 *	3017 *	2975 *	2895 *	2772 *	2606 *	2421 *	2189 *
33.0	5589 *	5623 *	5617 *	5623 *	5589 *	5537 *	5438 *	5291 *	5041 *	4682 *
29.0	8007 *	7965 *	7925 *	7965 *	8007 *	7999 *	7930 *	7698 *	7385 *	7075 *
25.5	9865 *	9828 *	9779 *	9828 *	9865 *	9824 *	9708 *	9578 *	9412 *	8976 *
22.5	11226 *	11187 *	11152 *	11187 *	11226 *	11242 *	11186 *	11042 *	10789 *	10416 *
19.5	12296 *	12320 *	12322 *	12320 *	12296 *	12230 *	12118 *	12046 *	11847 *	11481 *
17.0	12602 *	12625 *	12628 *	12625 *	12602 *	12555 *	12484 *	12390 *	12257 *	11897 *
15.0	12801 *	12827 *	12829 *	12827 *	12801 *	12756 *	12692 *	12614 *	12466 *	12166 *
13.0	12959 *	12980 *	12986 *	12980 *	12959 *	12924 *	12873 *	12793 *	12690 *	12431 *
11.0	13089 *	13108 *	13115 *	13108 *	13089 *	13068 *	13020 *	12952 *	12854 *	12631 *
9.0	13199 *	13209 *	13217 *	13209 *	13199 *	13183 *	13142 *	13089 *	12998 *	12790 *
7.0	13283 *	13284 *	13293 *	13284 *	13283 *	13268 *	13255 *	13203 *	13114 *	12975 *
5.0	13337 *	13333 *	13342 *	13333 *	13337 *	13359 *	13353 *	13300 *	13204 *	13024 *
3.0	13408 *	13348 *	13358 *	13348 *	13408 *	13451 *	13434 *	13367 *	13264 *	13059 *
1.0	13522 *	13419 *	13396 *	13419 *	13522 *	13524 *	13478 *	13401 *	13290 *	13072 *
0.0	13555 *	13474 *	13418 *	13474 *	13555 *	13544 *	13498 *	13416 *	13302 *	13077 *
-1.0	13522 *	13419 *	13396 *	13419 *	13522 *	13524 *	13478 *	13401 *	13290 *	13072 *
-3.0	13408 *	13348 *	13358 *	13348 *	13408 *	13451 *	13434 *	13367 *	13264 *	13059 *
-5.0	13337 *	13333 *	13342 *	13333 *	13337 *	13359 *	13353 *	13300 *	13204 *	13024 *
-7.0	13283 *	13284 *	13293 *	13284 *	13283 *	13268 *	13255 *	13203 *	13114 *	12975 *
-9.0	13199 *	13209 *	13217 *	13209 *	13199 *	13183 *	13142 *	13089 *	12998 *	12790 *
-11.0	13089 *	13108 *	13115 *	13108 *	13089 *	13068 *	13020 *	12952 *	12854 *	12631 *
-13.0	12959 *	12980 *	12986 *	12980 *	12959 *	12924 *	12873 *	12793 *	12690 *	12431 *
-15.0	12801 *	12827 *	12829 *	12827 *	12801 *	12756 *	12692 *	12614 *	12466 *	12166 *
-17.0	12602 *	12625 *	12628 *	12625 *	12602 *	12555 *	12484 *	12390 *	12257 *	11897 *
-19.5	12296 *	12320 *	12322 *	12320 *	12296 *	12230 *	12118 *	12046 *	11847 *	11481 *
-22.5	11226 *	11187 *	11152 *	11187 *	11226 *	11242 *	11186 *	11042 *	10789 *	10416 *
-25.5	9865 *	9828 *	9779 *	9828 *	9865 *	9824 *	9708 *	9578 *	9412 *	8976 *
-29.0	8007 *	7965 *	7925 *	7965 *	8007 *	7999 *	7930 *	7698 *	7385 *	7075 *
-33.0	5589 *	5623 *	5617 *	5623 *	5589 *	5537 *	5438 *	5291 *	5041 *	4682 *
-37.5	2975 *	3017 *	3014 *	3017 *	2975 *	2895 *	2772 *	2606 *	2421 *	2189 *
-42.5	1123	1122	1121	1122	1123	1073	1024	963	887	796
-47.5	405	406	406	406	405	392	381	366	349	324
-55.0	80	77	76	77	80	80	80	79	77	75
-65.0	26	26	26	26	26	26	25	25	25	24
-75.0	14	14	14	14	14	14	14	14	14	14
-85.0	7	7	7	7	7	7	7	7	7	7
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
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	7	7	7	7	7	6	6	5	5	5
75.0	14	13	13	12	12	11	10	9	9	8
65.0	23	22	21	20	19	18	17	15	14	12
55.0	72	69	63	59	56	48	44	37	29	22
47.5	298	271	243	212	185	157	129	106	80	57
42.5	694	593	502	389	311	245	193	152	117	87
37.5	1904 *	1686 *	1360 *	945	689	457	298	216	158	121
33.0	4274 *	3824 *	3186 *	2450 *	1743 *	1005	541	324	215	158
29.0	6677 *	6146 *	5457 *	4432 *	3273 *	2159 *	1038	496	282	197
25.5	8516 *	8039 *	7283 *	6248 *	5065 *	3431 *	1863 *	753	360	232

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CANDELA TABULATION - (Cont.)

22.5	9940 *	9440 *	8785 *	7673 *	6427 *	4774 *	2710 *	1055	434	266
19.5	11005 *	10499 *	9836 *	8801 *	7580 *	5891 *	3633 *	1524 *	530	296
17.0	11418 *	10954 *	10296 *	9383 *	8259 *	6598 *	4370 *	1904 *	598	320
15.0	11690 *	11264 *	10586 *	9681 *	8616 *	7082 *	4865 *	2164 *	692	338
13.0	11920 *	11466 *	10861 *	9930 *	8875 *	7434 *	5299 *	2513 *	785	354
11.0	12151 *	11629 *	11036 *	10161 *	9092 *	7753 *	5631 *	2827 *	861	366
9.0	12289 *	11817 *	11186 *	10325 *	9270 *	8032 *	5893 *	3107 *	922	376
7.0	12404 *	11901 *	11373 *	10399 *	9443 *	8174 *	6115 *	3332 *	967	384
5.0	12597 *	11969 *	11541 *	10451 *	9590 *	8231 *	6288 *	3501 *	998	389
3.0	12666 *	12052 *	11533 *	10506 *	9659 *	8262 *	6407 *	3616 *	1038	396
1.0	12626 *	12092 *	11510 *	10549 *	9685 *	8292 *	6474 *	3685 *	1036	395
0.0	12587 *	12097 *	11509 *	10550 *	9682 *	8291 *	6482 *	3687 *	1035	395
-1.0	12626 *	12092 *	11510 *	10549 *	9685 *	8292 *	6474 *	3685 *	1036	395
-3.0	12666 *	12052 *	11533 *	10506 *	9659 *	8262 *	6407 *	3616 *	1038	396
-5.0	12597 *	11969 *	11541 *	10451 *	9590 *	8231 *	6288 *	3501 *	998	389
-7.0	12404 *	11901 *	11373 *	10399 *	9443 *	8174 *	6115 *	3332 *	967	384
-9.0	12289 *	11817 *	11186 *	10325 *	9270 *	8032 *	5893 *	3107 *	922	376
-11.0	12151 *	11629 *	11036 *	10161 *	9092 *	7753 *	5631 *	2827 *	861	366
-13.0	11920 *	11466 *	10861 *	9930 *	8875 *	7434 *	5299 *	2513 *	785	354
-15.0	11690 *	11264 *	10586 *	9681 *	8616 *	7082 *	4865 *	2164 *	692	338
-17.0	11418 *	10954 *	10296 *	9383 *	8259 *	6598 *	4370 *	1904 *	598	320
-19.5	11005 *	10499 *	9836 *	8801 *	7580 *	5891 *	3633 *	1524 *	530	296
-22.5	9940 *	9440 *	8785 *	7673 *	6427 *	4774 *	2710 *	1055	434	266
-25.5	8516 *	8039 *	7283 *	6248 *	5065 *	3431 *	1863 *	753	360	232
-29.0	6677 *	6146 *	5457 *	4432 *	3273 *	2159 *	1038	496	282	197
-33.0	4274 *	3824 *	3186 *	2450 *	1743 *	1005	541	324	215	158
-37.5	1904 *	1686 *	1360 *	945	689	457	298	216	158	121
-42.5	694	593	502	389	311	245	193	152	117	87
-47.5	298	271	243	212	185	157	129	106	80	57
-55.0	72	69	63	59	56	48	44	37	29	22
-65.0	23	22	21	20	19	18	17	15	14	12
-75.0	14	13	13	12	12	11	10	9	9	8
-85.0	7	7	7	7	7	6	6	5	5	5
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles				
	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0	0	0	0	0
85.0	4	3	1	0	0
75.0	7	5	3	1	0
65.0	10	8	5	2	0
55.0	15	12	7	2	0
47.5	23	15	9	3	0
42.5	38	17	10	3	0
37.5	58	19	11	3	0
33.0	80	20	12	3	0
29.0	102	21	12	3	0
25.5	123	22	13	4	0
22.5	141	25	14	4	0
19.5	155	27	14	4	0
17.0	166	28	14	4	0
15.0	174	29	14	4	0
13.0	181	30	14	4	0
11.0	187	30	15	4	0
9.0	192	31	15	4	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-WF-50-80-FGS.IES

CANDELA TABULATION - (Cont.)

7.0	195	31	15	4	0
5.0	198	31	15	4	0
3.0	201	31	15	4	0
1.0	201	30	15	4	0
0.0	201	30	15	4	0
-1.0	201	30	15	4	0
-3.0	201	31	15	4	0
-5.0	198	31	15	4	0
-7.0	195	31	15	4	0
-9.0	192	31	15	4	0
-11.0	187	30	15	4	0
-13.0	181	30	14	4	0
-15.0	174	29	14	4	0
-17.0	166	28	14	4	0
-19.5	155	27	14	4	0
-22.5	141	25	14	4	0
-25.5	123	22	13	4	0
-29.0	102	21	12	3	0
-33.0	80	20	12	3	0
-37.5	58	19	11	3	0
-42.5	38	17	10	3	0
-47.5	23	15	9	3	0
-55.0	15	12	7	2	0
-65.0	10	8	5	2	0
-75.0	7	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-16L-PC-WF-50-80-FGS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 6743.08

Total Field Lumens (one side of beam only) = 6459.26

* 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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
75	0.03	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07
65	0.06	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.12
55	0.16	0.32	0.32	0.32	0.32	0.31	0.30	0.29	0.27	0.32
47.5	0.55	1.11	1.09	1.06	1.02	0.98	0.92	0.85	0.78	0.88
42.5	1.16	2.33	2.27	2.17	2.06	1.92	1.75	1.56	1.36	1.45
37.5	3.15 *	6.27 *	6.13 *	5.88 *	5.55 *	5.16 *	4.69 *	4.13 *	3.57	3.74
33	5.92 *	11.78 *	11.62 *	11.34 *	10.93 *	10.37 *	9.61 *	8.68 *	7.70 *	8.18 *
29	8.26 *	16.55 *	16.49 *	16.30 *	15.90 *	15.25 *	14.41 *	13.42 *	12.25 *	13.46 *
25.5	9.46 *	19.00 *	18.98 *	18.80 *	18.43 *	17.89 *	17.13 *	16.16 *	15.05 *	17.04 *
22.5	9.58 *	19.23 *	19.21 *	19.07 *	18.78 *	18.37 *	17.69 *	16.78 *	15.78 *	18.20 *
19.5	10.73 *	21.47 *	21.42 *	21.26 *	20.99 *	20.57 *	19.90 *	18.99 *	17.96 *	20.91 *
17	9.50 *	18.97 *	18.87 *	18.70 *	18.49 *	18.20 *	17.68 *	16.92 *	16.06 *	18.80 *
15	7.75 *	15.48 *	15.41 *	15.29 *	15.14 *	14.92 *	14.54 *	13.94 *	13.27 *	15.58 *
13	7.86 *	15.70 *	15.63 *	15.52 *	15.38 *	15.17 *	14.82 *	14.25 *	13.57 *	15.97 *
11	7.95 *	15.87 *	15.81 *	15.72 *	15.58 *	15.39 *	15.08 *	14.52 *	13.81 *	16.27 *
9	8.02 *	16.01 *	15.96 *	15.88 *	15.75 *	15.57 *	15.28 *	14.74 *	14.02 *	16.51 *
7	8.07 *	16.13 *	16.08 *	16.01 *	15.89 *	15.72 *	15.46 *	14.91 *	14.17 *	16.73 *
5	8.11 *	16.21 *	16.18 *	16.13 *	16.02 *	15.84 *	15.59 *	15.07 *	14.31 *	16.92 *
3	8.13 *	16.26 *	16.27 *	16.24 *	16.12 *	15.94 *	15.66 *	15.18 *	14.43 *	17.03 *
1	8.15 *	16.35 *	16.38 *	16.32 *	16.19 *	16.00 *	15.70 *	15.20 *	14.47 *	17.06 *
0	4.09 *	8.21 *	8.23 *	8.19 *	8.11 *	8.01 *	7.86 *	7.59 *	7.23 *	8.53 *
-1	4.09 *	8.21 *	8.23 *	8.19 *	8.11 *	8.01 *	7.86 *	7.59 *	7.23 *	8.53 *
	8.15 *	16.35 *	16.38 *	16.32 *	16.19 *	16.00 *	15.70 *	15.20 *	14.47 *	17.06 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	8.13 *	16.26 *	16.27 *	16.24 *	16.12 *	15.94 *	15.66 *	15.18 *	14.43 *	17.03 *
-5	8.11 *	16.21 *	16.18 *	16.13 *	16.02 *	15.84 *	15.59 *	15.07 *	14.31 *	16.92 *
-7	8.07 *	16.13 *	16.08 *	16.01 *	15.89 *	15.72 *	15.46 *	14.91 *	14.17 *	16.73 *
-9	8.02 *	16.01 *	15.96 *	15.88 *	15.75 *	15.57 *	15.28 *	14.74 *	14.02 *	16.51 *
-11	7.95 *	15.87 *	15.81 *	15.72 *	15.58 *	15.39 *	15.08 *	14.52 *	13.81 *	16.27 *
-13	7.86 *	15.70 *	15.63 *	15.52 *	15.38 *	15.17 *	14.82 *	14.25 *	13.57 *	15.97 *
-15	7.75 *	15.48 *	15.41 *	15.29 *	15.14 *	14.92 *	14.54 *	13.94 *	13.27 *	15.58 *
-17	9.50 *	18.97 *	18.87 *	18.70 *	18.49 *	18.20 *	17.68 *	16.92 *	16.06 *	18.80 *
-19.5	10.73 *	21.47 *	21.42 *	21.26 *	20.99 *	20.57 *	19.90 *	18.99 *	17.96 *	20.91 *
-22.5	9.58 *	19.23 *	19.21 *	19.07 *	18.78 *	18.37 *	17.69 *	16.78 *	15.78 *	18.20 *
-25.5	9.46 *	19.00 *	18.98 *	18.80 *	18.43 *	17.89 *	17.13 *	16.16 *	15.05 *	17.04 *
-29	8.26 *	16.55 *	16.49 *	16.30 *	15.90 *	15.25 *	14.41 *	13.42 *	12.25 *	13.46 *
-33	5.92 *	11.78 *	11.62 *	11.34 *	10.93 *	10.37 *	9.61 *	8.68 *	7.70 *	8.18 *
-37.5	3.15 *	6.27 *	6.13 *	5.88 *	5.55 *	5.16 *	4.69 *	4.13 *	3.57	3.74
-42.5	1.16	2.33	2.27	2.17	2.06	1.92	1.75	1.56	1.36	1.45
-47.5	0.55	1.11	1.09	1.06	1.02	0.98	0.92	0.85	0.78	0.88
-55	0.16	0.32	0.32	0.32	0.32	0.31	0.30	0.29	0.27	0.32
-65	0.06	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.12
-75	0.03	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07
-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	253.43	506.87	505.13	500.78	493.70	483.50	468.50	446.72	420.51	487.60

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	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01
85	0.08	0.08	0.09	0.09	0.08	0.08	0.07	0.09	0.07	0.03
75	0.14	0.13	0.14	0.15	0.14	0.14	0.12	0.13	0.11	0.05
65	0.35	0.32	0.33	0.33	0.32	0.28	0.21	0.21	0.17	0.08
55	0.92	0.80	0.79	0.74	0.66	0.55	0.38	0.31	0.19	0.08

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5										
	1.44	1.14	1.06	0.95	0.81	0.66	0.46	0.37	0.18	0.07
42.5										
	3.41	2.44	2.02	1.56	1.20	0.94	0.65	0.54	0.25	0.07
37.5										
	7.62 *	5.47 *	4.15	2.70	1.74	1.20	0.79	0.67	0.30	0.07
33										
	13.24 *	9.93 *	7.75 *	4.95	2.68	1.54	0.92	0.77	0.34	0.07
29										
	17.48 *	13.89 *	11.55 *	7.76 *	4.06	1.93	1.01	0.82	0.36	0.06
25.5										
	19.19 *	15.91 *	14.00 *	10.01 *	5.36 *	2.28	1.04	0.82	0.35	0.06
22.5										
	22.45 *	19.08 *	17.54 *	13.32 *	7.49 *	3.10	1.23	0.92	0.40	0.06
19.5										
	20.43 *	17.75 *	16.78 *	13.37 *	8.00 *	3.32	1.17	0.84	0.36	0.05
17										
	17.04 *	15.00 *	14.48 *	11.96 *	7.44 *	3.12	1.05	0.71	0.30	0.04
15										
	17.51 *	15.49 *	15.17 *	12.89 *	8.30 *	3.59 *	1.17	0.75	0.31	0.05
13										
	17.91 *	15.88 *	15.71 *	13.64 *	9.10 *	4.07 *	1.27	0.78	0.33	0.05
11										
	18.22 *	16.21 *	16.18 *	14.26 *	9.77 *	4.50 *	1.36	0.80	0.33	0.05
9										
	18.46 *	16.46 *	16.55 *	14.73 *	10.32 *	4.86 *	1.43	0.82	0.34	0.05
7										
	18.67 *	16.65 *	16.79 *	15.04 *	10.76 *	5.13 *	1.47	0.83	0.35	0.05
5										
	18.78 *	16.78 *	16.94 *	15.24 *	11.09 *	5.34 *	1.52	0.85	0.35	0.05
3										
	18.81 *	16.86 *	17.01 *	15.37 *	11.29 *	5.47 *	1.54	0.85	0.35	0.05
1										
	9.41 *	8.44 *	8.52 *	7.71 *	5.69 *	2.75 *	0.77	0.43	0.18	0.02
0										
	9.41 *	8.44 *	8.52 *	7.71 *	5.69 *	2.75 *	0.77	0.43	0.18	0.02
-1										
	18.81 *	16.86 *	17.01 *	15.37 *	11.29 *	5.47 *	1.54	0.85	0.35	0.05
-3										
	18.78 *	16.78 *	16.94 *	15.24 *	11.09 *	5.34 *	1.52	0.85	0.35	0.05
-5										
	18.67 *	16.65 *	16.79 *	15.04 *	10.76 *	5.13 *	1.47	0.83	0.35	0.05
-7										
	18.46 *	16.46 *	16.55 *	14.73 *	10.32 *	4.86 *	1.43	0.82	0.34	0.05
-9										
	18.22 *	16.21 *	16.18 *	14.26 *	9.77 *	4.50 *	1.36	0.80	0.33	0.05
-11										
	17.91 *	15.88 *	15.71 *	13.64 *	9.10 *	4.07 *	1.27	0.78	0.33	0.05
-13										
	17.51 *	15.49 *	15.17 *	12.89 *	8.30 *	3.59 *	1.17	0.75	0.31	0.05
-15										
	17.04 *	15.00 *	14.48 *	11.96 *	7.44 *	3.12	1.05	0.71	0.30	0.04
-17										
	20.43 *	17.75 *	16.78 *	13.37 *	8.00 *	3.32	1.17	0.84	0.36	0.05
-19.5										
	22.45 *	19.08 *	17.54 *	13.32 *	7.49 *	3.10	1.23	0.92	0.40	0.06

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	19.19 *	15.91 *	14.00 *	10.01 *	5.36 *	2.28	1.04	0.82	0.35	0.06
-25.5	17.48 *	13.89 *	11.55 *	7.76 *	4.06	1.93	1.01	0.82	0.36	0.06
-29	13.24 *	9.93 *	7.75 *	4.95	2.68	1.54	0.92	0.77	0.34	0.07
-33	7.62 *	5.47 *	4.15	2.70	1.74	1.20	0.79	0.67	0.30	0.07
-37.5	3.41	2.44	2.02	1.56	1.20	0.94	0.65	0.54	0.25	0.07
-42.5	1.44	1.14	1.06	0.95	0.81	0.66	0.46	0.37	0.18	0.07
-47.5	0.92	0.80	0.79	0.74	0.66	0.55	0.38	0.31	0.19	0.08
-55	0.35	0.32	0.33	0.33	0.32	0.28	0.21	0.21	0.17	0.08
-65	0.14	0.13	0.14	0.15	0.14	0.14	0.12	0.13	0.11	0.05
-75	0.08	0.08	0.09	0.09	0.08	0.08	0.07	0.09	0.07	0.03
-85	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01
-90	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01
Total	523.14	449.49	427.11	353.54	232.67	109.72	39.29	26.62	11.87	2.34

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.00	0.00	0.24	
85				
	0.01	0.00	1.37	
75				
	0.01	0.00	2.39	
65				
	0.02	0.00	5.54	
55				
	0.02	0.00	14.70	
47.5				
	0.02	0.00	25.20	
42.5				
	0.02	0.00	61.36	
37.5				
	0.02	0.00	120.87	
33				
	0.02	0.00	184.51	
29				
	0.01	0.00	226.87	
25.5				
	0.01	0.00	241.72	
22.5				
	0.01	0.00	279.82	
19.5				
	0.01	0.00	254.27	
17				
	0.01	0.00	212.49	

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-WF-50-80-FGS.IES

LUMENS TABULATION - (Cont.)

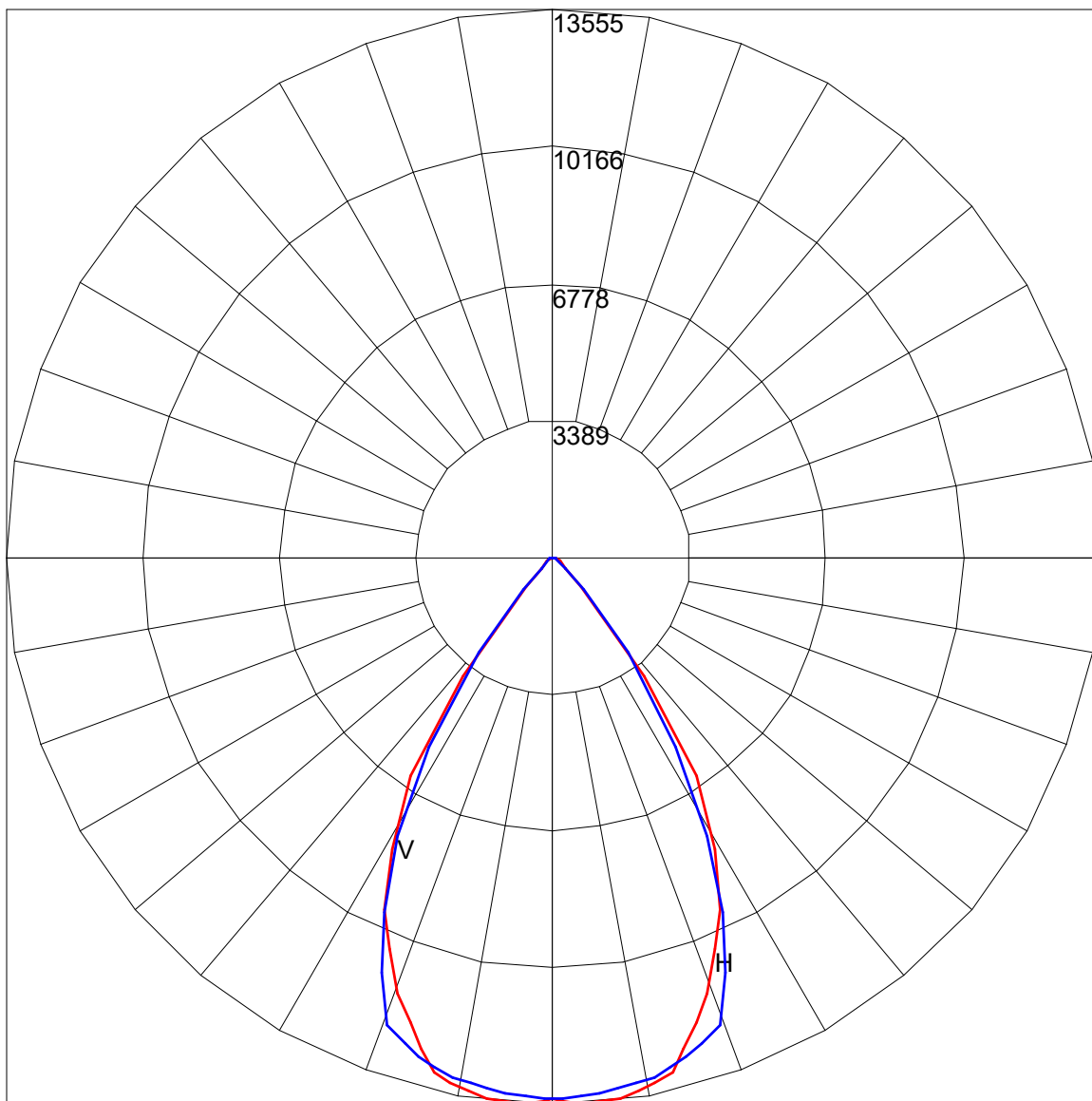
15	0.01	0.00	219.10
13	0.01	0.00	224.74
11	0.01	0.00	229.43
9	0.01	0.00	233.21
7	0.01	0.00	236.13
5	0.01	0.00	238.19
3	0.01	0.00	239.44
1	0.01	0.00	119.98
0	0.01	0.00	119.98
-1	0.01	0.00	239.44
-3	0.01	0.00	238.19
-5	0.01	0.00	236.13
-7	0.01	0.00	233.21
-9	0.01	0.00	229.43
-11	0.01	0.00	224.74
-13	0.01	0.00	219.10
-15	0.01	0.00	212.49
-17	0.01	0.00	254.27
-19.5	0.01	0.00	279.82
-22.5	0.01	0.00	241.72
-25.5	0.01	0.00	226.87
-29	0.02	0.00	184.51
-33	0.02	0.00	120.87
-37.5	0.02	0.00	61.36
-42.5	0.02	0.00	25.20
-47.5	0.02	0.00	14.70
-55	0.02	0.00	5.54
-65	0.01	0.00	2.39

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-WF-50-80-FGS.IES

LUMENS TABULATION - (Cont.)

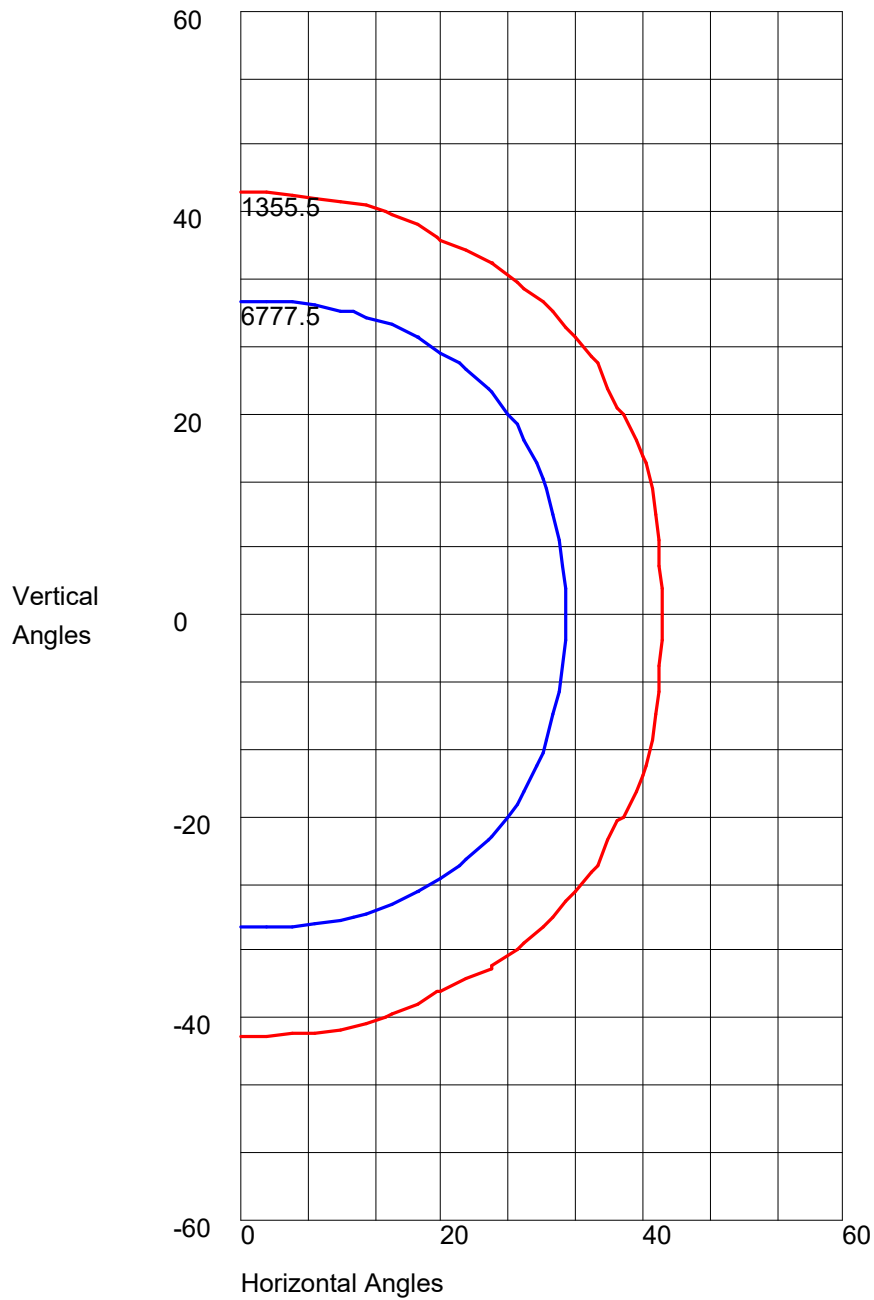
-75	0.01	0.00	1.37
-85	0.00	0.00	0.24
-90			
Total	0.54	0.02	6743.07

AXIAL CANDELA DISPLAY



Maximum Candela = 13555 Located At Horizontal Angle = -3, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 13555 Located At Horizontal Angle = -3, Vertical Angle = 0
50% Maximum Candela = 6777.5
10% Maximum Candela = 1355.5