



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-34L-PC-WF-50-80-FGS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-12619

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUEDATE] 04/01/21

[TESTDATE] 03/17/21

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] PFL-LED-34L-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	34186
Maximum Candela Angle	0H -3V
Horizontal Beam Angle (50%)	57.7
Vertical Beam Angle (50%)	61.3
Horizontal Field Angle (10%)	90.3
Vertical Field Angle (10%)	96.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	22190
Beam Efficiency	N.A.
Field Lumens	31432
Field Efficiency	N.A.
Spill Lumens	2429
Luminaire Lumens	33861
Total Efficiency	N.A.
Total Luminaire Watts	278
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	14	85	21
75	51	75	49
65	104	65	355
55	831	55	1312
47.5	2521	47.5	3603
42.5	4433	42.5	5695
37.5	7341	37.5	8645
33	11793	33	13816
29	17034	29	19349
25.5	21472	25.5	23398
22.5	25009	22.5	26432
19.5	27639	19.5	28786
17	29921	17	30522
15	31218	15	31352
13	32574	13	32148
11	33328	11	32794
9	33709	9	33330
7	33878	7	33760
5	33924	5	34052
3	33929	3	34186
1	33970	1	34086
0	33996	0	33996
-1	33970	-1	34086
-3	33929	-3	34186
-5	33924	-5	34052
-7	33878	-7	33760
-9	33709	-9	33330
-11	33328	-11	32794
-13	32574	-13	32148
-15	31218	-15	31352
-17	29921	-17	30522
-19.5	27639	-19.5	28786
-22.5	25009	-22.5	26432
-25.5	21472	-25.5	23398
-29	17034	-29	19349
-33	11793	-33	13816
-37.5	7341	-37.5	8645
-42.5	4433	-42.5	5695
-47.5	2521	-47.5	3603
-55	831	-55	1312
-65	104	-65	355
-75	51	-75	49
-85	14	-85	21
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 34186

Beam Edge = 17093 Cd (50% of Max.)

Field Edge = 3418.6 Cd (10% of Max.)

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	-90.0	-85.0	-75.0	-65.0	-55.0	-47.5	-42.5	-37.5	-33.0	-29.0
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	2	5	9	12	13	14	15	16	17
75.0	0	5	12	18	24	28	31	33	35	38
65.0	0	8	18	30	41	48	61	92	134	169
55.0	0	10	25	44	60	124	224	350	474	590
47.5	0	11	30	55	94	308	517	785	1058	1392
42.5	0	11	34	61	147	476	783	1154	1617	2142
37.5	0	12	37	67	230	704	1081	1668	2429	3193
33.0	0	12	40	72	322	938	1478	2355	3359	4499 *
29.0	0	13	43	76	403	1188	1897	3088	4491 *	6056 *
25.5	0	13	44	80	495	1425	2336	3824 *	5597 *	7694 *
22.5	0	13	46	86	563	1646	2729	4488 *	6650 *	9274 *
19.5	0	13	47	91	629	1845	3137	5148 *	7720 *	10932 *
17.0	0	14	48	95	690	2011	3421 *	5640 *	8648 *	12332 *
15.0	0	14	49	97	731	2144	3639 *	5990 *	9317 *	13278 *
13.0	0	14	49	98	765	2257	3829 *	6361 *	9917 *	14206 *
11.0	0	14	50	100	791	2350	3988 *	6668 *	10488 *	15031 *
9.0	0	14	50	101	810	2423	4121 *	6913 *	10968 *	15739 *
7.0	0	14	50	102	822	2477	4226 *	7095 *	11344 *	16288 *
5.0	0	14	51	103	833	2513	4301 *	7213 *	11610 *	16670 *
3.0	0	14	51	104	844	2544	4410 *	7291 *	11766 *	16911 *
1.0	0	14	51	104	835	2529	4425 *	7346 *	11813 *	17031 *
0.0	0	14	51	104	831	2521	4433 *	7341 *	11793 *	17034 *
-1.0	0	14	51	104	835	2529	4425 *	7346 *	11813 *	17031 *
-3.0	0	14	51	104	844	2544	4410 *	7291 *	11766 *	16911 *
-5.0	0	14	51	103	833	2513	4301 *	7213 *	11610 *	16670 *
-7.0	0	14	50	102	822	2477	4226 *	7095 *	11344 *	16288 *
-9.0	0	14	50	101	810	2423	4121 *	6913 *	10968 *	15739 *
-11.0	0	14	50	100	791	2350	3988 *	6668 *	10488 *	15031 *
-13.0	0	14	49	98	765	2257	3829 *	6361 *	9917 *	14206 *
-15.0	0	14	49	97	731	2144	3639 *	5990 *	9317 *	13278 *
-17.0	0	14	48	95	690	2011	3421 *	5640 *	8648 *	12332 *
-19.5	0	13	47	91	629	1845	3137	5148 *	7720 *	10932 *
-22.5	0	13	46	86	563	1646	2729	4488 *	6650 *	9274 *
-25.5	0	13	44	80	495	1425	2336	3824 *	5597 *	7694 *
-29.0	0	13	43	76	403	1188	1897	3088	4491 *	6056 *
-33.0	0	12	40	72	322	938	1478	2355	3359	4499 *
-37.5	0	12	37	67	230	704	1081	1668	2429	3193
-42.5	0	11	34	61	147	476	783	1154	1617	2142
-47.5	0	11	30	55	94	308	517	785	1058	1392
-55.0	0	10	25	44	60	124	224	350	474	590
-65.0	0	8	18	30	41	48	61	92	134	169
-75.0	0	5	12	18	24	28	31	33	35	38
-85.0	0	2	5	9	12	13	14	15	16	17
-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	18	18	19	19	20	20	20	21	21	21
75.0	40	42	44	45	46	46	47	47	48	48
65.0	200	227	258	282	300	315	325	333	340	345
55.0	718	816	923	1033	1112	1183	1234	1270	1298	1318
47.5	1713	2023	2351	2619	2832	3037	3229	3357	3462 *	3543 *
42.5	2691	3165	3658 *	4064 *	4401 *	4724 *	5020 *	5239 *	5397 *	5524 *
37.5	3949 *	4689 *	5513 *	6165 *	6632 *	7161 *	7645 *	8067 *	8319 *	8483 *
33.0	5694 *	6835 *	8000 *	9166 *	10053 *	10839 *	11671 *	12434 *	13016 *	13438 *
29.0	7759 *	9505 *	11390 *	13088 *	14421 *	15717 *	16803 *	17767 *	18535 *	18989 *
25.5	10012 *	12314 *	14793 *	16781 *	18340 *	19757 *	20986 *	21919 *	22627 *	23055 *
22.5	12247 *	14979 *	17809 *	19980 *	21556 *	23005 *	24199 *	25014 *	25659 *	26129 *
19.5	14512 *	17547 *	20631 *	22916 *	24527 *	25904 *	26957 *	27740 *	28335 *	28720 *
17.0	16102 *	19526 *	22487 *	24848 *	26546 *	27775 *	28939 *	29542 *	29955 *	30329 *
15.0	17295 *	20710 *	23628 *	26049 *	27597 *	28929 *	29955 *	30611 *	30891 *	31181 *
13.0	18303 *	21745 *	24627 *	26904 *	28531 *	29816 *	30821 *	31420 *	31725 *	31932 *
11.0	19182 *	22720 *	25469 *	27810 *	29223 *	30544 *	31623 *	32124 *	32405 *	32592 *
9.0	19954 *	23440 *	26206 *	28477 *	29980 *	31214 *	32175 *	32733 *	32954 *	33134 *
7.0	20612 *	24050 *	26898 *	29121 *	30527 *	31732 *	32660 *	33087 *	33403 *	33549 *
5.0	21109 *	24523 *	27376 *	29669 *	30856 *	32075 *	33088 *	33402 *	33603 *	33851 *
3.0	21400 *	24862 *	27651 *	29925 *	31061 *	32343 *	33177 *	33575 *	33843 *	33903 *
1.0	21495 *	25038 *	27709 *	29970 *	31217 *	32502 *	33257 *	33658 *	33855 *	33930 *
0.0	21472 *	25009 *	27639 *	29921 *	31218 *	32574 *	33328 *	33709 *	33878 *	33924 *
-1.0	21495 *	25038 *	27709 *	29970 *	31217 *	32502 *	33257 *	33658 *	33855 *	33930 *
-3.0	21400 *	24862 *	27651 *	29925 *	31061 *	32343 *	33177 *	33575 *	33843 *	33903 *
-5.0	21109 *	24523 *	27376 *	29669 *	30856 *	32075 *	33088 *	33402 *	33603 *	33851 *
-7.0	20612 *	24050 *	26898 *	29121 *	30527 *	31732 *	32660 *	33087 *	33403 *	33549 *
-9.0	19954 *	23440 *	26206 *	28477 *	29980 *	31214 *	32175 *	32733 *	32954 *	33134 *
-11.0	19182 *	22720 *	25469 *	27810 *	29223 *	30544 *	31623 *	32124 *	32405 *	32592 *
-13.0	18303 *	21745 *	24627 *	26904 *	28531 *	29816 *	30821 *	31420 *	31725 *	31932 *
-15.0	17295 *	20710 *	23628 *	26049 *	27597 *	28929 *	29955 *	30611 *	30891 *	31181 *
-17.0	16102 *	19526 *	22487 *	24848 *	26546 *	27775 *	28939 *	29542 *	29955 *	30329 *
-19.5	14512 *	17547 *	20631 *	22916 *	24527 *	25904 *	26957 *	27740 *	28335 *	28720 *
-22.5	12247 *	14979 *	17809 *	19980 *	21556 *	23005 *	24199 *	25014 *	25659 *	26129 *
-25.5	10012 *	12314 *	14793 *	16781 *	18340 *	19757 *	20986 *	21919 *	22627 *	23055 *
-29.0	7759 *	9505 *	11390 *	13088 *	14421 *	15717 *	16803 *	17767 *	18535 *	18989 *
-33.0	5694 *	6835 *	8000 *	9166 *	10053 *	10839 *	11671 *	12434 *	13016 *	13438 *
-37.5	3949 *	4689 *	5513 *	6165 *	6632 *	7161 *	7645 *	8067 *	8319 *	8483 *
-42.5	2691	3165	3658 *	4064 *	4401 *	4724 *	5020 *	5239 *	5397 *	5524 *
-47.5	1713	2023	2351	2619	2832	3037	3229	3357	3462 *	3543 *
-55.0	718	816	923	1033	1112	1183	1234	1270	1298	1318
-65.0	200	227	258	282	300	315	325	333	340	345
-75.0	40	42	44	45	46	46	47	47	48	48
-85.0	18	18	19	19	20	20	20	21	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	21	21	21	21	21	21	21	20	20
75.0	48	49	49	49	48	48	48	47	47	46
65.0	352	354	355	354	352	345	340	333	325	315

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CANDELA TABULATION - (Cont.)

55.0	1332	1319	1312	1319	1332	1318	1298	1270	1234	1183
47.5	3616 *	3607 *	3603 *	3607 *	3616 *	3543 *	3462 *	3357	3229	3037
42.5	5652 *	5681 *	5695 *	5681 *	5652 *	5524 *	5397 *	5239 *	5020 *	4724 *
37.5	8567 *	8642 *	8645 *	8642 *	8567 *	8483 *	8319 *	8067 *	7645 *	7161 *
33.0	13719 *	13821 *	13816 *	13821 *	13719 *	13438 *	13016 *	12434 *	11671 *	10839 *
29.0	19275 *	19368 *	19349 *	19368 *	19275 *	18989 *	18535 *	17767 *	16803 *	15717 *
25.5	23316 *	23414 *	23398 *	23414 *	23316 *	23055 *	22627 *	21919 *	20986 *	19757 *
22.5	26398 *	26493 *	26432 *	26493 *	26398 *	26129 *	25659 *	25014 *	24199 *	23005 *
19.5	28845 *	28839 *	28786 *	28839 *	28845 *	28720 *	28335 *	27740 *	26957 *	25904 *
17.0	30521 *	30553 *	30522 *	30553 *	30521 *	30329 *	29955 *	29542 *	28939 *	27775 *
15.0	31344 *	31394 *	31352 *	31394 *	31344 *	31181 *	30891 *	30611 *	29955 *	28929 *
13.0	32084 *	32130 *	32148 *	32130 *	32084 *	31932 *	31725 *	31420 *	30821 *	29816 *
11.0	32715 *	32758 *	32794 *	32758 *	32715 *	32592 *	32405 *	32124 *	31623 *	30544 *
9.0	33246 *	33297 *	33330 *	33297 *	33246 *	33134 *	32954 *	32733 *	32175 *	31214 *
7.0	33667 *	33732 *	33760 *	33732 *	33667 *	33549 *	33403 *	33087 *	32660 *	31732 *
5.0	33901 *	34021 *	34052 *	34021 *	33901 *	33851 *	33603 *	33402 *	33088 *	32075 *
3.0	34048 *	34120 *	34186 *	34120 *	34048 *	33903 *	33843 *	33575 *	33177 *	32343 *
1.0	33961 *	34055 *	34086 *	34055 *	33961 *	33930 *	33855 *	33658 *	33257 *	32502 *
0.0	33929 *	33970 *	33996 *	33970 *	33929 *	33924 *	33878 *	33709 *	33328 *	32574 *
-1.0	33961 *	34055 *	34086 *	34055 *	33961 *	33930 *	33855 *	33658 *	33257 *	32502 *
-3.0	34048 *	34120 *	34186 *	34120 *	34048 *	33903 *	33843 *	33575 *	33177 *	32343 *
-5.0	33901 *	34021 *	34052 *	34021 *	33901 *	33851 *	33603 *	33402 *	33088 *	32075 *
-7.0	33667 *	33732 *	33760 *	33732 *	33667 *	33549 *	33403 *	33087 *	32660 *	31732 *
-9.0	33246 *	33297 *	33330 *	33297 *	33246 *	33134 *	32954 *	32733 *	32175 *	31214 *
-11.0	32715 *	32758 *	32794 *	32758 *	32715 *	32592 *	32405 *	32124 *	31623 *	30544 *
-13.0	32084 *	32130 *	32148 *	32130 *	32084 *	31932 *	31725 *	31420 *	30821 *	29816 *
-15.0	31344 *	31394 *	31352 *	31394 *	31344 *	31181 *	30891 *	30611 *	29955 *	28929 *
-17.0	30521 *	30553 *	30522 *	30553 *	30521 *	30329 *	29955 *	29542 *	28939 *	27775 *
-19.5	28845 *	28839 *	28786 *	28839 *	28845 *	28720 *	28335 *	27740 *	26957 *	25904 *
-22.5	26398 *	26493 *	26432 *	26493 *	26398 *	26129 *	25659 *	25014 *	24199 *	23005 *
-25.5	23316 *	23414 *	23398 *	23414 *	23316 *	23055 *	22627 *	21919 *	20986 *	19757 *
-29.0	19275 *	19368 *	19349 *	19368 *	19275 *	18989 *	18535 *	17767 *	16803 *	15717 *
-33.0	13719 *	13821 *	13816 *	13821 *	13719 *	13438 *	13016 *	12434 *	11671 *	10839 *
-37.5	8567 *	8642 *	8645 *	8642 *	8567 *	8483 *	8319 *	8067 *	7645 *	7161 *
-42.5	5652 *	5681 *	5695 *	5681 *	5652 *	5524 *	5397 *	5239 *	5020 *	4724 *
-47.5	3616 *	3607 *	3603 *	3607 *	3616 *	3543 *	3462 *	3357	3229	3037
-55.0	1332	1319	1312	1319	1332	1318	1298	1270	1234	1183
-65.0	352	354	355	354	352	345	340	333	325	315
-75.0	48	49	49	49	48	48	48	47	47	46
-85.0	21	21	21	21	21	21	21	21	20	20
-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	20	19	19	18	18	17	16	15	14	13
75.0	46	45	44	42	40	38	35	33	31	28
65.0	300	282	258	227	200	169	134	92	61	48
55.0	1112	1033	923	816	718	590	474	350	224	124
47.5	2832	2619	2351	2023	1713	1392	1058	785	517	308
42.5	4401 *	4064 *	3658 *	3165	2691	2142	1617	1154	783	476
37.5	6632 *	6165 *	5513 *	4689 *	3949 *	3193	2429	1668	1081	704
33.0	10053 *	9166 *	8000 *	6835 *	5694 *	4499 *	3359	2355	1478	938
29.0	14421 *	13088 *	11390 *	9505 *	7759 *	6056 *	4491 *	3088	1897	1188
25.5	18340 *	16781 *	14793 *	12314 *	10012 *	7694 *	5597 *	3824 *	2336	1425

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CANDELA TABULATION - (Cont.)

22.5	21556 *	19980 *	17809 *	14979 *	12247 *	9274 *	6650 *	4488 *	2729	1646
19.5	24527 *	22916 *	20631 *	17547 *	14512 *	10932 *	7720 *	5148 *	3137	1845
17.0	26546 *	24848 *	22487 *	19526 *	16102 *	12332 *	8648 *	5640 *	3421 *	2011
15.0	27597 *	26049 *	23628 *	20710 *	17295 *	13278 *	9317 *	5990 *	3639 *	2144
13.0	28531 *	26904 *	24627 *	21745 *	18303 *	14206 *	9917 *	6361 *	3829 *	2257
11.0	29223 *	27810 *	25469 *	22720 *	19182 *	15031 *	10488 *	6668 *	3988 *	2350
9.0	29980 *	28477 *	26206 *	23440 *	19954 *	15739 *	10968 *	6913 *	4121 *	2423
7.0	30527 *	29121 *	26898 *	24050 *	20612 *	16288 *	11344 *	7095 *	4226 *	2477
5.0	30856 *	29669 *	27376 *	24523 *	21109 *	16670 *	11610 *	7213 *	4301 *	2513
3.0	31061 *	29925 *	27651 *	24862 *	21400 *	16911 *	11766 *	7291 *	4410 *	2544
1.0	31217 *	29970 *	27709 *	25038 *	21495 *	17031 *	11813 *	7346 *	4425 *	2529
0.0	31218 *	29921 *	27639 *	25009 *	21472 *	17034 *	11793 *	7341 *	4433 *	2521
-1.0	31217 *	29970 *	27709 *	25038 *	21495 *	17031 *	11813 *	7346 *	4425 *	2529
-3.0	31061 *	29925 *	27651 *	24862 *	21400 *	16911 *	11766 *	7291 *	4410 *	2544
-5.0	30856 *	29669 *	27376 *	24523 *	21109 *	16670 *	11610 *	7213 *	4301 *	2513
-7.0	30527 *	29121 *	26898 *	24050 *	20612 *	16288 *	11344 *	7095 *	4226 *	2477
-9.0	29980 *	28477 *	26206 *	23440 *	19954 *	15739 *	10968 *	6913 *	4121 *	2423
-11.0	29223 *	27810 *	25469 *	22720 *	19182 *	15031 *	10488 *	6668 *	3988 *	2350
-13.0	28531 *	26904 *	24627 *	21745 *	18303 *	14206 *	9917 *	6361 *	3829 *	2257
-15.0	27597 *	26049 *	23628 *	20710 *	17295 *	13278 *	9317 *	5990 *	3639 *	2144
-17.0	26546 *	24848 *	22487 *	19526 *	16102 *	12332 *	8648 *	5640 *	3421 *	2011
-19.5	24527 *	22916 *	20631 *	17547 *	14512 *	10932 *	7720 *	5148 *	3137	1845
-22.5	21556 *	19980 *	17809 *	14979 *	12247 *	9274 *	6650 *	4488 *	2729	1646
-25.5	18340 *	16781 *	14793 *	12314 *	10012 *	7694 *	5597 *	3824 *	2336	1425
-29.0	14421 *	13088 *	11390 *	9505 *	7759 *	6056 *	4491 *	3088	1897	1188
-33.0	10053 *	9166 *	8000 *	6835 *	5694 *	4499 *	3359	2355	1478	938
-37.5	6632 *	6165 *	5513 *	4689 *	3949 *	3193	2429	1668	1081	704
-42.5	4401 *	4064 *	3658 *	3165	2691	2142	1617	1154	783	476
-47.5	2832	2619	2351	2023	1713	1392	1058	785	517	308
-55.0	1112	1033	923	816	718	590	474	350	224	124
-65.0	300	282	258	227	200	169	134	92	61	48
-75.0	46	45	44	42	40	38	35	33	31	28
-85.0	20	19	19	18	18	17	16	15	14	13
-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	12	9	5	2	0
75.0	24	18	12	5	0
65.0	41	30	18	8	0
55.0	60	44	25	10	0
47.5	94	55	30	11	0
42.5	147	61	34	11	0
37.5	230	67	37	12	0
33.0	322	72	40	12	0
29.0	403	76	43	13	0
25.5	495	80	44	13	0
22.5	563	86	46	13	0
19.5	629	91	47	13	0
17.0	690	95	48	14	0
15.0	731	97	49	14	0
13.0	765	98	49	14	0
11.0	791	100	50	14	0
9.0	810	101	50	14	0

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	822	102	50	14	0
5.0	833	103	51	14	0
3.0	844	104	51	14	0
1.0	835	104	51	14	0
0.0	831	104	51	14	0
-1.0	835	104	51	14	0
-3.0	844	104	51	14	0
-5.0	833	103	51	14	0
-7.0	822	102	50	14	0
-9.0	810	101	50	14	0
-11.0	791	100	50	14	0
-13.0	765	98	49	14	0
-15.0	731	97	49	14	0
-17.0	690	95	48	14	0
-19.5	629	91	47	13	0
-22.5	563	86	46	13	0
-25.5	495	80	44	13	0
-29.0	403	76	43	13	0
-33.0	322	72	40	12	0
-37.5	230	67	37	12	0
-42.5	147	61	34	11	0
-47.5	94	55	30	11	0
-55.0	60	44	25	10	0
-65.0	41	30	18	8	0
-75.0	24	18	12	5	0
-85.0	12	9	5	2	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-34L-PC-WF-50-80-FGS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 16930.64

Total Field Lumens (one side of beam only) = 15716.14

* 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	0.03
75	0.11	0.21	0.21	0.21	0.21	0.21	0.20	0.20	0.20	0.23
65	0.61	1.22	1.20	1.18	1.16	1.13	1.09	1.04	0.99	1.14
55	2.54	5.11	5.09	5.00	4.89	4.74	4.55	4.30	3.99	4.51
47.5	5.62	11.27	11.18	10.93	10.62	10.23	9.70	9.05	8.34	9.39
42.5	7.08 *	14.12 *	13.93 *	13.58 *	13.16 *	12.63 *	11.93 *	11.08 *	10.19 *	11.47
37.5	10.91 *	21.72 *	21.44 *	21.00 *	20.38 *	19.48 *	18.29 *	16.93 *	15.56 *	17.54 *
33	15.39 *	30.65 *	30.22 *	29.48 *	28.39 *	26.87 *	25.02 *	23.07 *	21.09 *	23.47 *
29	20.21 *	40.29 *	39.76 *	38.76 *	37.25 *	35.20 *	32.79 *	30.16 *	27.36 *	30.12 *
25.5	22.80 *	45.48 *	45.01 *	44.11 *	42.68 *	40.67 *	38.20 *	35.29 *	32.09 *	35.47 *
22.5	22.79 *	45.49 *	45.08 *	44.29 *	43.08 *	41.45 *	39.31 *	36.64 *	33.67 *	37.62 *
19.5	25.26 *	50.49 *	50.18 *	49.46 *	48.30 *	46.76 *	44.72 *	42.11 *	39.08 *	44.12 *
17	22.60 *	45.19 *	44.98 *	44.43 *	43.58 *	42.44 *	40.81 *	38.70 *	36.17 *	41.08 *
15	18.86 *	37.69 *	37.49 *	37.07 *	36.50 *	35.71 *	34.44 *	32.76 *	30.76 *	35.08 *
13	19.35 *	38.65 *	38.45 *	38.09 *	37.60 *	36.84 *	35.61 *	33.95 *	31.94 *	36.60 *
11	19.77 *	39.48 *	39.30 *	38.97 *	38.51 *	37.79 *	36.59 *	34.91 *	32.93 *	37.90 *
9	20.13 *	40.19 *	40.01 *	39.71 *	39.28 *	38.59 *	37.41 *	35.75 *	33.82 *	39.04 *
7	20.43 *	40.77 *	40.59 *	40.30 *	39.87 *	39.19 *	38.07 *	36.49 *	34.58 *	40.03 *
5	20.65 *	41.19 *	41.01 *	40.72 *	40.27 *	39.67 *	38.60 *	37.00 *	35.19 *	40.88 *
3	20.77 *	41.43 *	41.23 *	40.96 *	40.55 *	39.97 *	38.94 *	37.34 *	35.58 *	41.45 *
1	20.78 *	41.46 *	41.28 *	41.06 *	40.70 *	40.10 *	39.11 *	37.57 *	35.77 *	41.68 *
0	10.36 *	20.69 *	20.62 *	20.54 *	20.38 *	20.09 *	19.61 *	18.84 *	17.91 *	20.83 *
-1	10.36 *	20.69 *	20.62 *	20.54 *	20.38 *	20.09 *	19.61 *	18.84 *	17.91 *	20.83 *
	20.78 *	41.46 *	41.28 *	41.06 *	40.70 *	40.10 *	39.11 *	37.57 *	35.77 *	41.68 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	20.77 *	41.43 *	41.23 *	40.96 *	40.55 *	39.97 *	38.94 *	37.34 *	35.58 *	41.45 *
-5	20.65 *	41.19 *	41.01 *	40.72 *	40.27 *	39.67 *	38.60 *	37.00 *	35.19 *	40.88 *
-7	20.43 *	40.77 *	40.59 *	40.30 *	39.87 *	39.19 *	38.07 *	36.49 *	34.58 *	40.03 *
-9	20.13 *	40.19 *	40.01 *	39.71 *	39.28 *	38.59 *	37.41 *	35.75 *	33.82 *	39.04 *
-11	19.77 *	39.48 *	39.30 *	38.97 *	38.51 *	37.79 *	36.59 *	34.91 *	32.93 *	37.90 *
-13	19.35 *	38.65 *	38.45 *	38.09 *	37.60 *	36.84 *	35.61 *	33.95 *	31.94 *	36.60 *
-15	18.86 *	37.69 *	37.49 *	37.07 *	36.50 *	35.71 *	34.44 *	32.76 *	30.76 *	35.08 *
-17	22.60 *	45.19 *	44.98 *	44.43 *	43.58 *	42.44 *	40.81 *	38.70 *	36.17 *	41.08 *
-19.5	25.26 *	50.49 *	50.18 *	49.46 *	48.30 *	46.76 *	44.72 *	42.11 *	39.08 *	44.12 *
-22.5	22.79 *	45.49 *	45.08 *	44.29 *	43.08 *	41.45 *	39.31 *	36.64 *	33.67 *	37.62 *
-25.5	22.80 *	45.48 *	45.01 *	44.11 *	42.68 *	40.67 *	38.20 *	35.29 *	32.09 *	35.47 *
-29	20.21 *	40.29 *	39.76 *	38.76 *	37.25 *	35.20 *	32.79 *	30.16 *	27.36 *	30.12 *
-33	15.39 *	30.65 *	30.22 *	29.48 *	28.39 *	26.87 *	25.02 *	23.07 *	21.09 *	23.47 *
-37.5	10.91 *	21.72 *	21.44 *	21.00 *	20.38 *	19.48 *	18.29 *	16.93 *	15.56 *	17.54 *
-42.5	7.08 *	14.12 *	13.93 *	13.58 *	13.16 *	12.63 *	11.93 *	11.08 *	10.19 *	11.47
-47.5	5.62	11.27	11.18	10.93	10.62	10.23	9.70	9.05	8.34	9.39
-55	2.54	5.11	5.09	5.00	4.89	4.74	4.55	4.30	3.99	4.51
-65	0.61	1.22	1.20	1.18	1.16	1.13	1.09	1.04	0.99	1.14
-75	0.11	0.21	0.21	0.21	0.21	0.20	0.20	0.20	0.19	0.23
-85	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
-90	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Total	654.06	1305.66	1296.58	1279.73	1254.74	1219.57	1170.03	1106.45	1034.46	1179.32

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.02
85	0.26	0.25	0.27	0.28	0.28	0.27	0.23	0.28	0.24	0.11
75	1.22	1.06	1.06	0.98	0.82	0.63	0.45	0.50	0.43	0.20
65	4.74	4.09	3.97	3.57	2.94	2.12	1.23	0.98	0.67	0.30
55	9.78	8.25	7.84	6.88	5.60	4.10	2.37	1.57	0.72	0.30

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5										
	11.94	10.01	9.40	8.10	6.45	4.72	2.80	1.83	0.68	0.23
42.5	18.15 *	15.12 *	14.19	12.24	9.61	6.83	4.10	2.78	0.96	0.26
37.5	24.03 *	19.88 *	18.48 *	15.84	12.35	8.64	5.09	3.53	1.18	0.25
33	30.48 *	24.87 *	22.75 *	19.22 *	14.88	10.29	5.92	4.07	1.33	0.24
29	35.83 *	28.92 *	26.14 *	21.78 *	16.65 *	11.37	6.45	4.39	1.40	0.22
25.5	38.32 *	31.02 *	27.88 *	22.88 *	17.26 *	11.70	6.57	4.43	1.40	0.20
22.5	45.40 *	37.12 *	33.38 *	27.08 *	20.15 *	13.56 *	7.56	5.02	1.56	0.21
19.5	42.75 *	35.31 *	31.91 *	25.87 *	18.99 *	12.65 *	7.01	4.62	1.43	0.18
17	36.83 *	30.73 *	27.96 *	22.75 *	16.56 *	10.90 *	6.04	3.98	1.23	0.15
15	38.69 *	32.58 *	29.89 *	24.39 *	17.67 *	11.56 *	6.39	4.21	1.29	0.15
13	40.33 *	34.20 *	31.62 *	25.92 *	18.71 *	12.16 *	6.69	4.40	1.33	0.15
11	41.73 *	35.60 *	33.12 *	27.27 *	19.61 *	12.65 *	6.93	4.55	1.37	0.16
9	42.91 *	36.75 *	34.40 *	28.37 *	20.32 *	13.04 *	7.13	4.67	1.40	0.16
7	43.87 *	37.69 *	35.39 *	29.19 *	20.85 *	13.32 *	7.28	4.75	1.41	0.16
5	44.53 *	38.35 *	36.05 *	29.74 *	21.20 *	13.54 *	7.41 *	4.81	1.43	0.16
3	44.90 *	38.73 *	36.41 *	30.03 *	21.38 *	13.69 *	7.49 *	4.82	1.44	0.16
1	22.48 *	19.41 *	18.25 *	15.06 *	10.71 *	6.87 *	3.74 *	2.40	0.71	0.08
0	22.48 *	19.41 *	18.25 *	15.06 *	10.71 *	6.87 *	3.74 *	2.40	0.71	0.08
-1	44.90 *	38.73 *	36.41 *	30.03 *	21.38 *	13.69 *	7.49 *	4.82	1.44	0.16
-3	44.53 *	38.35 *	36.05 *	29.74 *	21.20 *	13.54 *	7.41 *	4.81	1.43	0.16
-5	43.87 *	37.69 *	35.39 *	29.19 *	20.85 *	13.32 *	7.28	4.75	1.41	0.16
-7	42.91 *	36.75 *	34.40 *	28.37 *	20.32 *	13.04 *	7.13	4.67	1.40	0.16
-9	41.73 *	35.60 *	33.12 *	27.27 *	19.61 *	12.65 *	6.93	4.55	1.37	0.16
-11	40.33 *	34.20 *	31.62 *	25.92 *	18.71 *	12.16 *	6.69	4.40	1.33	0.15
-13	38.69 *	32.58 *	29.89 *	24.39 *	17.67 *	11.56 *	6.39	4.21	1.29	0.15
-15	36.83 *	30.73 *	27.96 *	22.75 *	16.56 *	10.90 *	6.04	3.98	1.23	0.15
-17	42.75 *	35.31 *	31.91 *	25.87 *	18.99 *	12.65 *	7.01	4.62	1.43	0.18
-19.5	45.40 *	37.12 *	33.38 *	27.08 *	20.15 *	13.56 *	7.56	5.02	1.56	0.21

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LUMENS TABULATION - (Cont.)

-22.5	38.32 *	31.02 *	27.88 *	22.88 *	17.26 *	11.70	6.57	4.43	1.40	0.20
-25.5	35.83 *	28.92 *	26.14 *	21.78 *	16.65 *	11.37	6.45	4.39	1.40	0.22
-29	30.48 *	24.87 *	22.75 *	19.22 *	14.88	10.29	5.92	4.07	1.33	0.24
-33	24.03 *	19.88 *	18.48 *	15.84	12.35	8.64	5.09	3.53	1.18	0.25
-37.5	18.15 *	15.12 *	14.19	12.24	9.61	6.83	4.10	2.78	0.96	0.26
-42.5	11.94	10.01	9.40	8.10	6.45	4.72	2.80	1.83	0.68	0.23
-47.5	9.78	8.25	7.84	6.88	5.60	4.10	2.37	1.57	0.72	0.30
-55	4.74	4.09	3.97	3.57	2.94	2.12	1.23	0.98	0.67	0.30
-65	1.22	1.06	1.06	0.98	0.82	0.63	0.45	0.50	0.43	0.20
-75	0.26	0.25	0.27	0.28	0.28	0.27	0.23	0.28	0.24	0.11
-85	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.02
-90	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.02
Total	1238.43	1039.97	960.82	794.95	586.07	389.28	217.82	145.29	47.29	8.15

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.00	0.00	0.69	
85				
	0.03	0.00	4.45	
75				
	0.06	0.00	18.19	
65				
	0.08	0.00	69.42	
55				
	0.08	0.00	143.81	
47.5				
	0.06	0.00	175.40	
42.5				
	0.06	0.00	267.56	
37.5				
	0.06	0.00	362.98	
33				
	0.06	0.00	466.02	
29				
	0.05	0.00	535.00	
25.5				
	0.05	0.00	551.11	
22.5				
	0.05	0.00	631.55	
19.5				
	0.04	0.00	580.74	
17				
	0.03	0.00	493.52	

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-34L-PC-WF-50-80-FGS.IES

LUMENS TABULATION - (Cont.)

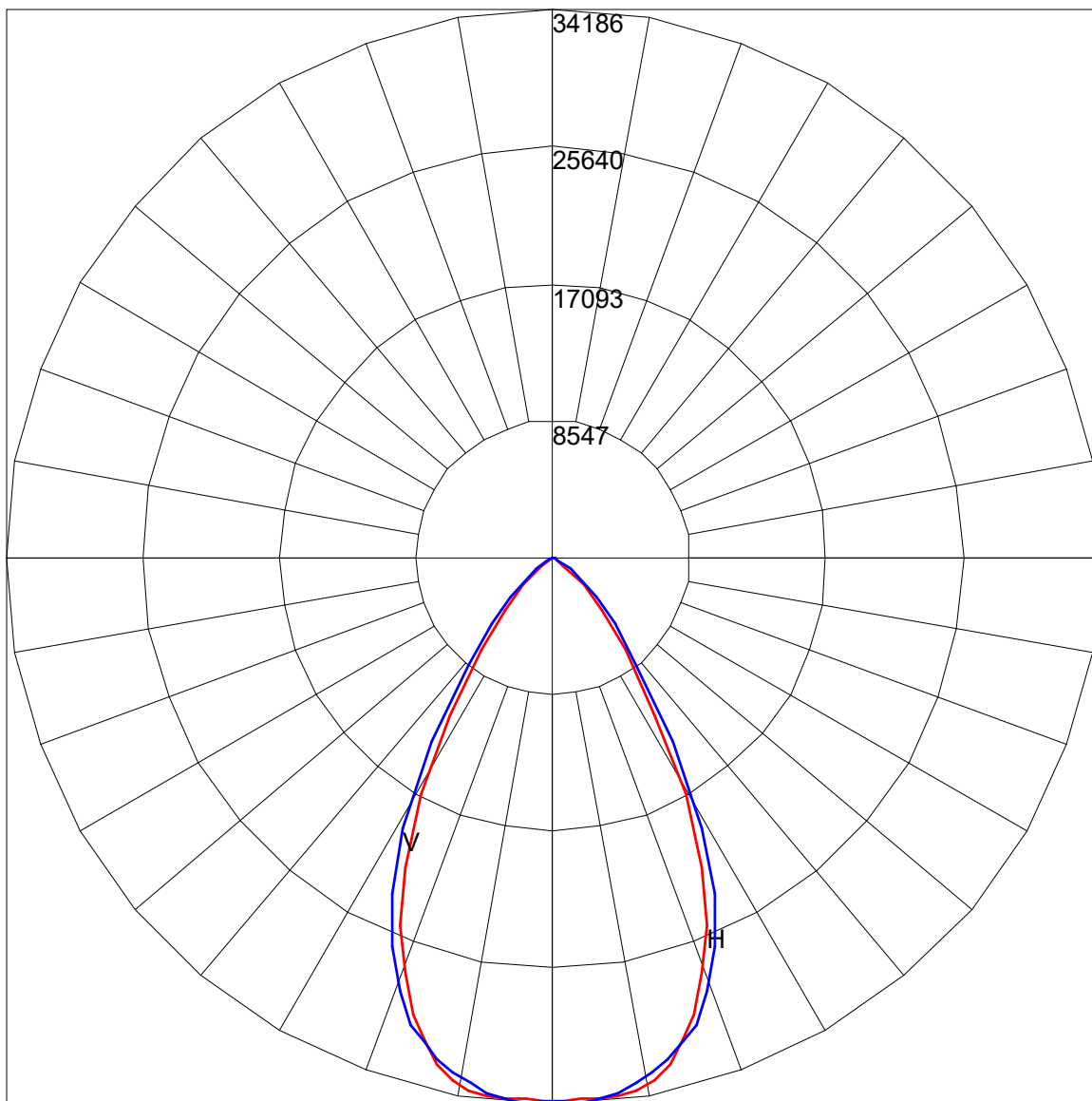
15	0.03	0.00	513.92
13	0.03	0.00	531.71
11	0.03	0.00	546.96
9	0.03	0.00	559.50
7	0.03	0.00	569.11
5	0.03	0.00	575.47
3	0.03	0.00	578.59
1	0.02	0.00	289.61
0	0.02	0.00	289.61
-1	0.03	0.00	578.59
-3	0.03	0.00	575.47
-5	0.03	0.00	569.11
-7	0.03	0.00	559.50
-9	0.03	0.00	546.96
-11	0.03	0.00	531.71
-13	0.03	0.00	513.92
-15	0.03	0.00	493.52
-17	0.04	0.00	580.74
-19.5	0.05	0.00	631.55
-22.5	0.05	0.00	551.11
-25.5	0.05	0.00	535.00
-29	0.06	0.00	466.02
-33	0.06	0.00	362.98
-37.5	0.06	0.00	267.56
-42.5	0.06	0.00	175.40
-47.5	0.08	0.00	143.81
-55	0.08	0.00	69.42
-65	0.06	0.00	18.19

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-34L-PC-WF-50-80-FGS.IES

LUMENS TABULATION - (Cont.)

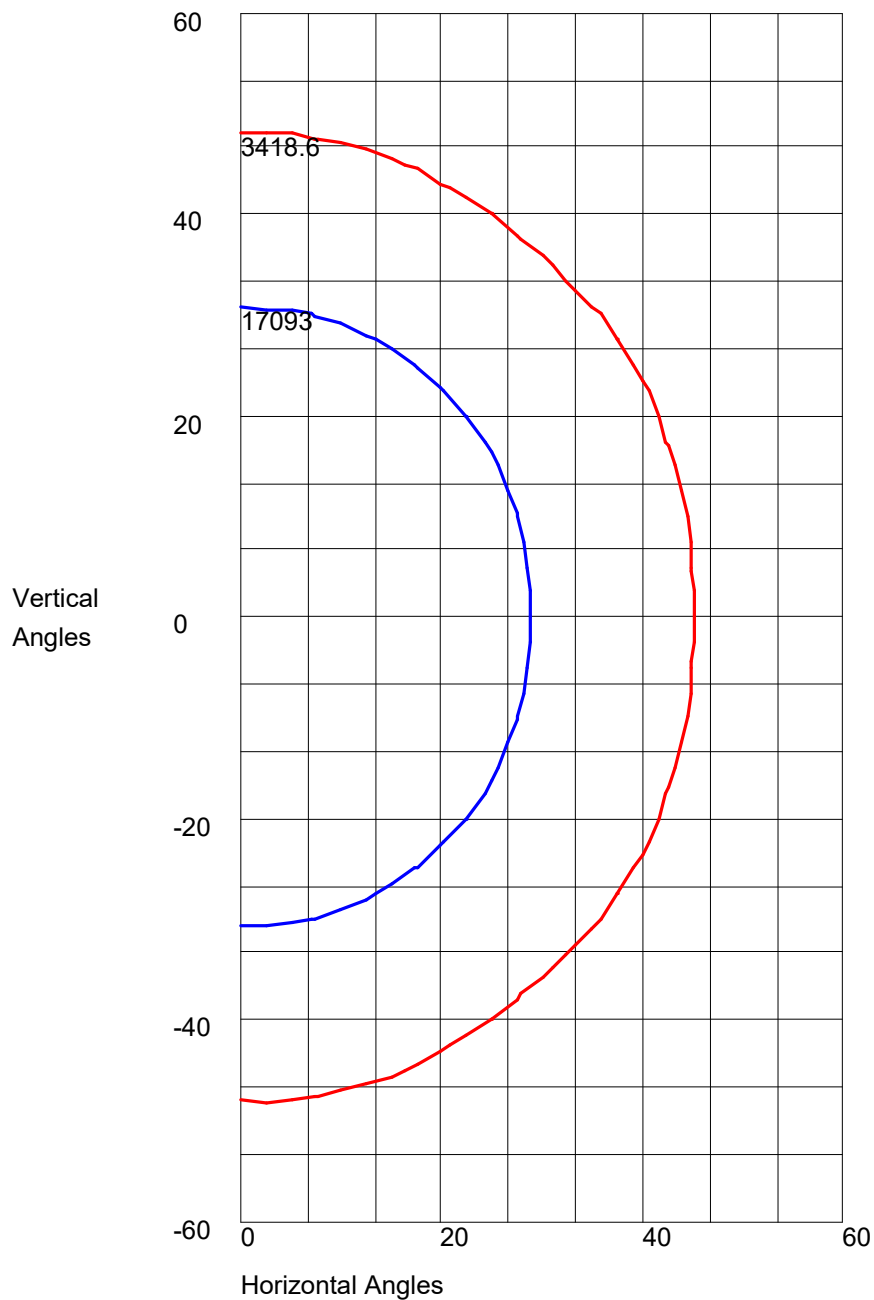
-75	0.03	0.00	4.45
-85	0.00	0.00	0.69
-90			
Total	1.92	0.06	16930.63

AXIAL CANDELA DISPLAY



Maximum Candela = 34186 Located At Horizontal Angle = 0, Vertical Angle = -3
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 34186 Located At Horizontal Angle = 0, Vertical Angle = -3
50% Maximum Candela = 17093
10% Maximum Candela = 3418.6