



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-34L-PC-WF-40-80-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-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	35067
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	22761
Beam Efficiency	N.A.
Field Lumens	32241
Field Efficiency	N.A.
Spill Lumens	2491
Luminaire Lumens	34733
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	22
75	52	75	50
65	107	65	364
55	852	55	1346
47.5	2586	47.5	3696
42.5	4547	42.5	5842
37.5	7530	37.5	8868
33	12097	33	14172
29	17472	29	19847
25.5	22025	25.5	24001
22.5	25653	22.5	27113
19.5	28351	19.5	29527
17	30692	17	31308
15	32022	15	32159
13	33412	13	32976
11	34186	11	33638
9	34577	9	34188
7	34750	7	34629
5	34797	5	34929
3	34803	3	35067
1	34844	1	34963
0	34871	0	34871
-1	34844	-1	34963
-3	34803	-3	35067
-5	34797	-5	34929
-7	34750	-7	34629
-9	34577	-9	34188
-11	34186	-11	33638
-13	33412	-13	32976
-15	32022	-15	32159
-17	30692	-17	31308
-19.5	28351	-19.5	29527
-22.5	25653	-22.5	27113
-25.5	22025	-25.5	24001
-29	17472	-29	19847
-33	12097	-33	14172
-37.5	7530	-37.5	8868
-42.5	4547	-42.5	5842
-47.5	2586	-47.5	3696
-55	852	-55	1346
-65	107	-65	364
-75	52	-75	50
-85	14	-85	22
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 35067

Beam Edge = 17533.5 Cd (50% of Max.)

Field Edge = 3506.7 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	2	5	9	12	13	14	15	16	18
75.0	0	5	12	19	25	29	32	34	36	39
65.0	0	8	18	31	42	49	62	94	137	174
55.0	0	10	26	45	62	128	230	359	486	605
47.5	0	11	31	56	97	316	530	805	1085	1428
42.5	0	11	35	63	151	488	803	1183	1658	2197
37.5	0	12	38	69	236	722	1109	1710	2492	3274
33.0	0	12	41	74	331	962	1516	2416	3446	4615 *
29.0	0	13	44	78	414	1219	1946	3168	4606 *	6212 *
25.5	0	13	45	82	508	1462	2396	3923 *	5741 *	7892 *
22.5	0	13	47	88	578	1689	2799	4603 *	6821 *	9513 *
19.5	0	13	48	93	646	1892	3217	5280 *	7918 *	11213 *
17.0	0	14	49	97	708	2063	3508 *	5785 *	8870 *	12649 *
15.0	0	14	50	99	750	2199	3733 *	6144 *	9556 *	13620 *
13.0	0	14	50	101	784	2315	3927 *	6525 *	10172 *	14572 *
11.0	0	14	51	102	811	2410	4090 *	6839 *	10759 *	15418 *
9.0	0	14	51	104	831	2485	4227 *	7091 *	11251 *	16144 *
7.0	0	14	51	105	843	2541	4334 *	7278 *	11636 *	16707 *
5.0	0	14	52	106	854	2577	4412 *	7399 *	11909 *	17099 *
3.0	0	14	52	107	866	2609	4523 *	7479 *	12069 *	17346 *
1.0	0	14	52	107	857	2594	4539 *	7535 *	12117 *	17470 *
0.0	0	14	52	107	852	2586	4547 *	7530 *	12097 *	17472 *
-1.0	0	14	52	107	857	2594	4539 *	7535 *	12117 *	17470 *
-3.0	0	14	52	107	866	2609	4523 *	7479 *	12069 *	17346 *
-5.0	0	14	52	106	854	2577	4412 *	7399 *	11909 *	17099 *
-7.0	0	14	51	105	843	2541	4334 *	7278 *	11636 *	16707 *
-9.0	0	14	51	104	831	2485	4227 *	7091 *	11251 *	16144 *
-11.0	0	14	51	102	811	2410	4090 *	6839 *	10759 *	15418 *
-13.0	0	14	50	101	784	2315	3927 *	6525 *	10172 *	14572 *
-15.0	0	14	50	99	750	2199	3733 *	6144 *	9556 *	13620 *
-17.0	0	14	49	97	708	2063	3508 *	5785 *	8870 *	12649 *
-19.5	0	13	48	93	646	1892	3217	5280 *	7918 *	11213 *
-22.5	0	13	47	88	578	1689	2799	4603 *	6821 *	9513 *
-25.5	0	13	45	82	508	1462	2396	3923 *	5741 *	7892 *
-29.0	0	13	44	78	414	1219	1946	3168	4606 *	6212 *
-33.0	0	12	41	74	331	962	1516	2416	3446	4615 *
-37.5	0	12	38	69	236	722	1109	1710	2492	3274
-42.5	0	11	35	63	151	488	803	1183	1658	2197
-47.5	0	11	31	56	97	316	530	805	1085	1428
-55.0	0	10	26	45	62	128	230	359	486	605
-65.0	0	8	18	31	42	49	62	94	137	174
-75.0	0	5	12	19	25	29	32	34	36	39
-85.0	0	2	5	9	12	13	14	15	16	18
-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	19	19	20	20	21	21	21	22	22	22
75.0	41	43	45	46	47	47	48	48	49	49
65.0	205	233	264	289	307	323	333	342	349	354
55.0	736	836	947	1059	1141	1214	1266	1303	1331	1351
47.5	1757	2075	2412	2687	2905	3115	3312	3444	3551 *	3634 *
42.5	2761	3246	3752 *	4169 *	4514 *	4846 *	5150 *	5374 *	5536 *	5666 *
37.5	4050 *	4809 *	5655 *	6324 *	6803 *	7345 *	7842 *	8275 *	8533 *	8701 *
33.0	5840 *	7010 *	8205 *	9401 *	10312 *	11118 *	11972 *	12754 *	13351 *	13784 *
29.0	7959 *	9750 *	11683 *	13425 *	14793 *	16122 *	17235 *	18224 *	19012 *	19478 *
25.5	10269 *	12631 *	15174 *	17213 *	18812 *	20266 *	21526 *	22483 *	23209 *	23649 *
22.5	12562 *	15365 *	18267 *	20495 *	22111 *	23597 *	24822 *	25658 *	26319 *	26801 *
19.5	14886 *	17999 *	21162 *	23506 *	25159 *	26571 *	27651 *	28454 *	29065 *	29459 *
17.0	16517 *	20029 *	23066 *	25487 *	27230 *	28490 *	29684 *	30303 *	30727 *	31110 *
15.0	17741 *	21243 *	24236 *	26719 *	28307 *	29674 *	30726 *	31399 *	31686 *	31984 *
13.0	18774 *	22304 *	25261 *	27597 *	29266 *	30584 *	31614 *	32229 *	32543 *	32755 *
11.0	19676 *	23305 *	26125 *	28526 *	29975 *	31330 *	32437 *	32951 *	33240 *	33431 *
9.0	20468 *	24043 *	26881 *	29210 *	30752 *	32017 *	33003 *	33575 *	33802 *	33987 *
7.0	21142 *	24670 *	27590 *	29871 *	31313 *	32549 *	33500 *	33939 *	34262 *	34412 *
5.0	21653 *	25154 *	28081 *	30433 *	31650 *	32901 *	33940 *	34263 *	34468 *	34723 *
3.0	21951 *	25502 *	28363 *	30695 *	31860 *	33176 *	34032 *	34439 *	34714 *	34775 *
1.0	22049 *	25683 *	28422 *	30741 *	32021 *	33339 *	34113 *	34525 *	34726 *	34804 *
0.0	22025 *	25653 *	28351 *	30692 *	32022 *	33412 *	34186 *	34577 *	34750 *	34797 *
-1.0	22049 *	25683 *	28422 *	30741 *	32021 *	33339 *	34113 *	34525 *	34726 *	34804 *
-3.0	21951 *	25502 *	28363 *	30695 *	31860 *	33176 *	34032 *	34439 *	34714 *	34775 *
-5.0	21653 *	25154 *	28081 *	30433 *	31650 *	32901 *	33940 *	34263 *	34468 *	34723 *
-7.0	21142 *	24670 *	27590 *	29871 *	31313 *	32549 *	33500 *	33939 *	34262 *	34412 *
-9.0	20468 *	24043 *	26881 *	29210 *	30752 *	32017 *	33003 *	33575 *	33802 *	33987 *
-11.0	19676 *	23305 *	26125 *	28526 *	29975 *	31330 *	32437 *	32951 *	33240 *	33431 *
-13.0	18774 *	22304 *	25261 *	27597 *	29266 *	30584 *	31614 *	32229 *	32543 *	32755 *
-15.0	17741 *	21243 *	24236 *	26719 *	28307 *	29674 *	30726 *	31399 *	31686 *	31984 *
-17.0	16517 *	20029 *	23066 *	25487 *	27230 *	28490 *	29684 *	30303 *	30727 *	31110 *
-19.5	14886 *	17999 *	21162 *	23506 *	25159 *	26571 *	27651 *	28454 *	29065 *	29459 *
-22.5	12562 *	15365 *	18267 *	20495 *	22111 *	23597 *	24822 *	25658 *	26319 *	26801 *
-25.5	10269 *	12631 *	15174 *	17213 *	18812 *	20266 *	21526 *	22483 *	23209 *	23649 *
-29.0	7959 *	9750 *	11683 *	13425 *	14793 *	16122 *	17235 *	18224 *	19012 *	19478 *
-33.0	5840 *	7010 *	8205 *	9401 *	10312 *	11118 *	11972 *	12754 *	13351 *	13784 *
-37.5	4050 *	4809 *	5655 *	6324 *	6803 *	7345 *	7842 *	8275 *	8533 *	8701 *
-42.5	2761	3246	3752 *	4169 *	4514 *	4846 *	5150 *	5374 *	5536 *	5666 *
-47.5	1757	2075	2412	2687	2905	3115	3312	3444	3551 *	3634 *
-55.0	736	836	947	1059	1141	1214	1266	1303	1331	1351
-65.0	205	233	264	289	307	323	333	342	349	354
-75.0	41	43	45	46	47	47	48	48	49	49
-85.0	19	19	20	20	21	21	21	22	22	22
-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	22	22	22	22	22	22	22	22	21	21
75.0	49	50	50	50	49	49	49	48	48	47
65.0	361	363	364	363	361	354	349	342	333	323

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CANDELA TABULATION - (Cont.)

55.0	1366	1353	1346	1353	1366	1351	1331	1303	1266	1214
47.5	3709 *	3700 *	3696 *	3700 *	3709 *	3634 *	3551 *	3444	3312	3115
42.5	5798 *	5827 *	5842 *	5827 *	5798 *	5666 *	5536 *	5374 *	5150 *	4846 *
37.5	8787 *	8865 *	8868 *	8865 *	8787 *	8701 *	8533 *	8275 *	7842 *	7345 *
33.0	14072 *	14177 *	14172 *	14177 *	14072 *	13784 *	13351 *	12754 *	11972 *	11118 *
29.0	19772 *	19866 *	19847 *	19866 *	19772 *	19478 *	19012 *	18224 *	17235 *	16122 *
25.5	23916 *	24017 *	24001 *	24017 *	23916 *	23649 *	23209 *	22483 *	21526 *	20266 *
22.5	27077 *	27175 *	27113 *	27175 *	27077 *	26801 *	26319 *	25658 *	24822 *	23597 *
19.5	29587 *	29582 *	29527 *	29582 *	29587 *	29459 *	29065 *	28454 *	27651 *	26571 *
17.0	31307 *	31339 *	31308 *	31339 *	31307 *	31110 *	30727 *	30303 *	29684 *	28490 *
15.0	32151 *	32203 *	32159 *	32203 *	32151 *	31984 *	31686 *	31399 *	30726 *	29674 *
13.0	32910 *	32957 *	32976 *	32957 *	32910 *	32755 *	32543 *	32229 *	31614 *	30584 *
11.0	33557 *	33601 *	33638 *	33601 *	33557 *	33431 *	33240 *	32951 *	32437 *	31330 *
9.0	34102 *	34154 *	34188 *	34154 *	34102 *	33987 *	33802 *	33575 *	33003 *	32017 *
7.0	34533 *	34601 *	34629 *	34601 *	34533 *	34412 *	34262 *	33939 *	33500 *	32549 *
5.0	34774 *	34897 *	34929 *	34897 *	34774 *	34723 *	34468 *	34263 *	33940 *	32901 *
3.0	34925 *	34999 *	35067 *	34999 *	34925 *	34775 *	34714 *	34439 *	34032 *	33176 *
1.0	34836 *	34932 *	34963 *	34932 *	34836 *	34804 *	34726 *	34525 *	34113 *	33339 *
0.0	34803 *	34844 *	34871 *	34844 *	34803 *	34797 *	34750 *	34577 *	34186 *	33412 *
-1.0	34836 *	34932 *	34963 *	34932 *	34836 *	34804 *	34726 *	34525 *	34113 *	33339 *
-3.0	34925 *	34999 *	35067 *	34999 *	34925 *	34775 *	34714 *	34439 *	34032 *	33176 *
-5.0	34774 *	34897 *	34929 *	34897 *	34774 *	34723 *	34468 *	34263 *	33940 *	32901 *
-7.0	34533 *	34601 *	34629 *	34601 *	34533 *	34412 *	34262 *	33939 *	33500 *	32549 *
-9.0	34102 *	34154 *	34188 *	34154 *	34102 *	33987 *	33802 *	33575 *	33003 *	32017 *
-11.0	33557 *	33601 *	33638 *	33601 *	33557 *	33431 *	33240 *	32951 *	32437 *	31330 *
-13.0	32910 *	32957 *	32976 *	32957 *	32910 *	32755 *	32543 *	32229 *	31614 *	30584 *
-15.0	32151 *	32203 *	32159 *	32203 *	32151 *	31984 *	31686 *	31399 *	30726 *	29674 *
-17.0	31307 *	31339 *	31308 *	31339 *	31307 *	31110 *	30727 *	30303 *	29684 *	28490 *
-19.5	29587 *	29582 *	29527 *	29582 *	29587 *	29459 *	29065 *	28454 *	27651 *	26571 *
-22.5	27077 *	27175 *	27113 *	27175 *	27077 *	26801 *	26319 *	25658 *	24822 *	23597 *
-25.5	23916 *	24017 *	24001 *	24017 *	23916 *	23649 *	23209 *	22483 *	21526 *	20266 *
-29.0	19772 *	19866 *	19847 *	19866 *	19772 *	19478 *	19012 *	18224 *	17235 *	16122 *
-33.0	14072 *	14177 *	14172 *	14177 *	14072 *	13784 *	13351 *	12754 *	11972 *	11118 *
-37.5	8787 *	8865 *	8868 *	8865 *	8787 *	8701 *	8533 *	8275 *	7842 *	7345 *
-42.5	5798 *	5827 *	5842 *	5827 *	5798 *	5666 *	5536 *	5374 *	5150 *	4846 *
-47.5	3709 *	3700 *	3696 *	3700 *	3709 *	3634 *	3551 *	3444	3312	3115
-55.0	1366	1353	1346	1353	1366	1351	1331	1303	1266	1214
-65.0	361	363	364	363	361	354	349	342	333	323
-75.0	49	50	50	50	49	49	49	48	48	47
-85.0	22	22	22	22	22	22	22	22	21	21
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	21	20	20	19	19	18	16	15	14	13
75.0	47	46	45	43	41	39	36	34	32	29
65.0	307	289	264	233	205	174	137	94	62	49
55.0	1141	1059	947	836	736	605	486	359	230	128
47.5	2905	2687	2412	2075	1757	1428	1085	805	530	316
42.5	4514 *	4169 *	3752 *	3246	2761	2197	1658	1183	803	488
37.5	6803 *	6324 *	5655 *	4809 *	4050 *	3274	2492	1710	1109	722
33.0	10312 *	9401 *	8205 *	7010 *	5840 *	4615 *	3446	2416	1516	962
29.0	14793 *	13425 *	11683 *	9750 *	7959 *	6212 *	4606 *	3168	1946	1219
25.5	18812 *	17213 *	15174 *	12631 *	10269 *	7892 *	5741 *	3923 *	2396	1462

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

22.5	22111 *	20495 *	18267 *	15365 *	12562 *	9513 *	6821 *	4603 *	2799	1689
19.5	25159 *	23506 *	21162 *	17999 *	14886 *	11213 *	7918 *	5280 *	3217	1892
17.0	27230 *	25487 *	23066 *	20029 *	16517 *	12649 *	8870 *	5785 *	3508 *	2063
15.0	28307 *	26719 *	24236 *	21243 *	17741 *	13620 *	9556 *	6144 *	3733 *	2199
13.0	29266 *	27597 *	25261 *	22304 *	18774 *	14572 *	10172 *	6525 *	3927 *	2315
11.0	29975 *	28526 *	26125 *	23305 *	19676 *	15418 *	10759 *	6839 *	4090 *	2410
9.0	30752 *	29210 *	26881 *	24043 *	20468 *	16144 *	11251 *	7091 *	4227 *	2485
7.0	31313 *	29871 *	27590 *	24670 *	21142 *	16707 *	11636 *	7278 *	4334 *	2541
5.0	31650 *	30433 *	28081 *	25154 *	21653 *	17099 *	11909 *	7399 *	4412 *	2577
3.0	31860 *	30695 *	28363 *	25502 *	21951 *	17346 *	12069 *	7479 *	4523 *	2609
1.0	32021 *	30741 *	28422 *	25683 *	22049 *	17470 *	12117 *	7535 *	4539 *	2594
0.0	32022 *	30692 *	28351 *	25653 *	22025 *	17472 *	12097 *	7530 *	4547 *	2586
-1.0	32021 *	30741 *	28422 *	25683 *	22049 *	17470 *	12117 *	7535 *	4539 *	2594
-3.0	31860 *	30695 *	28363 *	25502 *	21951 *	17346 *	12069 *	7479 *	4523 *	2609
-5.0	31650 *	30433 *	28081 *	25154 *	21653 *	17099 *	11909 *	7399 *	4412 *	2577
-7.0	31313 *	29871 *	27590 *	24670 *	21142 *	16707 *	11636 *	7278 *	4334 *	2541
-9.0	30752 *	29210 *	26881 *	24043 *	20468 *	16144 *	11251 *	7091 *	4227 *	2485
-11.0	29975 *	28526 *	26125 *	23305 *	19676 *	15418 *	10759 *	6839 *	4090 *	2410
-13.0	29266 *	27597 *	25261 *	22304 *	18774 *	14572 *	10172 *	6525 *	3927 *	2315
-15.0	28307 *	26719 *	24236 *	21243 *	17741 *	13620 *	9556 *	6144 *	3733 *	2199
-17.0	27230 *	25487 *	23066 *	20029 *	16517 *	12649 *	8870 *	5785 *	3508 *	2063
-19.5	25159 *	23506 *	21162 *	17999 *	14886 *	11213 *	7918 *	5280 *	3217	1892
-22.5	22111 *	20495 *	18267 *	15365 *	12562 *	9513 *	6821 *	4603 *	2799	1689
-25.5	18812 *	17213 *	15174 *	12631 *	10269 *	7892 *	5741 *	3923 *	2396	1462
-29.0	14793 *	13425 *	11683 *	9750 *	7959 *	6212 *	4606 *	3168	1946	1219
-33.0	10312 *	9401 *	8205 *	7010 *	5840 *	4615 *	3446	2416	1516	962
-37.5	6803 *	6324 *	5655 *	4809 *	4050 *	3274	2492	1710	1109	722
-42.5	4514 *	4169 *	3752 *	3246	2761	2197	1658	1183	803	488
-47.5	2905	2687	2412	2075	1757	1428	1085	805	530	316
-55.0	1141	1059	947	836	736	605	486	359	230	128
-65.0	307	289	264	233	205	174	137	94	62	49
-75.0	47	46	45	43	41	39	36	34	32	29
-85.0	21	20	20	19	19	18	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	25	19	12	5	0
65.0	42	31	18	8	0
55.0	62	45	26	10	0
47.5	97	56	31	11	0
42.5	151	63	35	11	0
37.5	236	69	38	12	0
33.0	331	74	41	12	0
29.0	414	78	44	13	0
25.5	508	82	45	13	0
22.5	578	88	47	13	0
19.5	646	93	48	13	0
17.0	708	97	49	14	0
15.0	750	99	50	14	0
13.0	784	101	50	14	0
11.0	811	102	51	14	0
9.0	831	104	51	14	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-34L-PC-WF-40-80-FGS.IES

CANDELA TABULATION - (Cont.)

7.0	843	105	51	14	0
5.0	854	106	52	14	0
3.0	866	107	52	14	0
1.0	857	107	52	14	0
0.0	852	107	52	14	0
-1.0	857	107	52	14	0
-3.0	866	107	52	14	0
-5.0	854	106	52	14	0
-7.0	843	105	51	14	0
-9.0	831	104	51	14	0
-11.0	811	102	51	14	0
-13.0	784	101	50	14	0
-15.0	750	99	50	14	0
-17.0	708	97	49	14	0
-19.5	646	93	48	13	0
-22.5	578	88	47	13	0
-25.5	508	82	45	13	0
-29.0	414	78	44	13	0
-33.0	331	74	41	12	0
-37.5	236	69	38	12	0
-42.5	151	63	35	11	0
-47.5	97	56	31	11	0
-55.0	62	45	26	10	0
-65.0	42	31	18	8	0
-75.0	25	19	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-40-80-FGS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 17366.44

Total Field Lumens (one side of beam only) = 16120.71

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>1</u>	<u>3</u>	<u>5</u>	<u>7</u>	<u>9</u>	<u>11</u>	<u>13</u>	<u>15</u>	<u>17</u>
90										
85	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04
75	0.11	0.22	0.22	0.22	0.21	0.21	0.20	0.20	0.20	0.24
65	0.63	1.25	1.24	1.21	1.19	1.16	1.12	1.07	1.01	1.16
55	2.61	5.24	5.21	5.13	5.01	4.87	4.67	4.41	4.09	4.63
47.5	5.77	11.56	11.46	11.21	10.89	10.49	9.95	9.28	8.56	9.63
42.5	7.26 *	14.49 *	14.29 *	13.93 *	13.50 *	12.96 *	12.23 *	11.36 *	10.45 *	11.77
37.5	11.19 *	22.28 *	21.99 *	21.54 *	20.90 *	19.98 *	18.76 *	17.37 *	15.97 *	17.99 *
33	15.79 *	31.44 *	31.00 *	30.24 *	29.12 *	27.57 *	25.66 *	23.66 *	21.64 *	24.07 *
29	20.73 *	41.33 *	40.78 *	39.76 *	38.21 *	36.11 *	33.64 *	30.94 *	28.07 *	30.89 *
25.5	23.38 *	46.65 *	46.16 *	45.25 *	43.77 *	41.72 *	39.18 *	36.20 *	32.92 *	36.38 *
22.5	23.37 *	46.66 *	46.24 *	45.43 *	44.19 *	42.52 *	40.32 *	37.59 *	34.53 *	38.59 *
19.5	25.91 *	51.79 *	51.47 *	50.73 *	49.54 *	47.96 *	45.87 *	43.20 *	40.09 *	45.25 *
17	23.18 *	46.35 *	46.13 *	45.58 *	44.70 *	43.53 *	41.86 *	39.70 *	37.11 *	42.13 *
15	19.34 *	38.66 *	38.45 *	38.02 *	37.44 *	36.63 *	35.33 *	33.60 *	31.55 *	35.98 *
13	19.84 *	39.64 *	39.44 *	39.07 *	38.57 *	37.79 *	36.53 *	34.83 *	32.76 *	37.54 *
11	20.28 *	40.49 *	40.31 *	39.98 *	39.50 *	38.77 *	37.53 *	35.81 *	33.78 *	38.87 *
9	20.65 *	41.22 *	41.04 *	40.73 *	40.29 *	39.59 *	38.37 *	36.67 *	34.69 *	40.04 *
7	20.95 *	41.82 *	41.64 *	41.34 *	40.90 *	40.20 *	39.05 *	37.43 *	35.47 *	41.06 *
5	21.18 *	42.25 *	42.07 *	41.76 *	41.30 *	40.69 *	39.59 *	37.95 *	36.09 *	41.94 *
3	21.31 *	42.50 *	42.30 *	42.01 *	41.59 *	41.00 *	39.94 *	38.30 *	36.49 *	42.51 *
1	21.32 *	42.52 *	42.34 *	42.11 *	41.75 *	41.13 *	40.12 *	38.54 *	36.69 *	42.75 *
0	10.63 *	21.22 *	21.15 *	21.07 *	20.90 *	20.61 *	20.12 *	19.33 *	18.37 *	21.37 *
-1	10.63 *	21.22 *	21.15 *	21.07 *	20.90 *	20.61 *	20.12 *	19.33 *	18.37 *	21.37 *
	21.32 *	42.52 *	42.34 *	42.11 *	41.75 *	41.13 *	40.12 *	38.54 *	36.69 *	42.75 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-34L-PC-WF-40-80-FGS.IES

LUMENS TABULATION - (Cont.)

-3	21.31 *	42.50 *	42.30 *	42.01 *	41.59 *	41.00 *	39.94 *	38.30 *	36.49 *	42.51 *
-5	21.18 *	42.25 *	42.07 *	41.76 *	41.30 *	40.69 *	39.59 *	37.95 *	36.09 *	41.94 *
-7	20.95 *	41.82 *	41.64 *	41.34 *	40.90 *	40.20 *	39.05 *	37.43 *	35.47 *	41.06 *
-9	20.65 *	41.22 *	41.04 *	40.73 *	40.29 *	39.59 *	38.37 *	36.67 *	34.69 *	40.04 *
-11	20.28 *	40.49 *	40.31 *	39.98 *	39.50 *	38.77 *	37.53 *	35.81 *	33.78 *	38.87 *
-13	19.84 *	39.64 *	39.44 *	39.07 *	38.57 *	37.79 *	36.53 *	34.83 *	32.76 *	37.54 *
-15	19.34 *	38.66 *	38.45 *	38.02 *	37.44 *	36.63 *	35.33 *	33.60 *	31.55 *	35.98 *
-17	23.18 *	46.35 *	46.13 *	45.58 *	44.70 *	43.53 *	41.86 *	39.70 *	37.11 *	42.13 *
-19.5	25.91 *	51.79 *	51.47 *	50.73 *	49.54 *	47.96 *	45.87 *	43.20 *	40.09 *	45.25 *
-22.5	23.37 *	46.66 *	46.24 *	45.43 *	44.19 *	42.52 *	40.32 *	37.59 *	34.53 *	38.59 *
-25.5	23.38 *	46.65 *	46.16 *	45.25 *	43.77 *	41.72 *	39.18 *	36.20 *	32.92 *	36.38 *
-29	20.73 *	41.33 *	40.78 *	39.76 *	38.21 *	36.11 *	33.64 *	30.94 *	28.07 *	30.89 *
-33	15.79 *	31.44 *	31.00 *	30.24 *	29.12 *	27.57 *	25.66 *	23.66 *	21.64 *	24.07 *
-37.5	11.19 *	22.28 *	21.99 *	21.54 *	20.90 *	19.98 *	18.76 *	17.37 *	15.97 *	17.99 *
-42.5	7.26 *	14.49 *	14.29 *	13.93 *	13.50 *	12.96 *	12.23 *	11.36 *	10.45 *	11.77
-47.5	5.77	11.56	11.46	11.21	10.89	10.49	9.95	9.28	8.56	9.63
-55	2.61	5.24	5.21	5.13	5.01	4.87	4.67	4.41	4.09	4.63
-65	0.63	1.25	1.24	1.21	1.19	1.16	1.12	1.07	1.01	1.16
-75	0.11	0.22	0.22	0.22	0.21	0.21	0.20	0.20	0.20	0.24
-85	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04
-90										
Total	670.90	1339.27	1329.95	1312.67	1287.05	1250.97	1200.16	1134.94	1061.09	1209.67

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	0.27	0.25	0.28	0.28	0.28	0.28	0.24	0.28	0.25	0.12
75	1.25	1.09	1.09	1.01	0.84	0.65	0.46	0.52	0.44	0.21
65	4.86	4.19	4.08	3.66	3.01	2.17	1.26	1.00	0.68	0.31
55	10.03	8.46	8.04	7.06	5.74	4.21	2.43	1.62	0.74	0.31

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5										
	12.25	10.27	9.65	8.31	6.62	4.84	2.88	1.88	0.70	0.24
42.5	18.62 *	15.51 *	14.55	12.56	9.85	7.01	4.20	2.85	0.99	0.27
37.5	24.64 *	20.39 *	18.96 *	16.24	12.67	8.86	5.22	3.62	1.22	0.26
33	31.26 *	25.51 *	23.34 *	19.71 *	15.26	10.55	6.08	4.18	1.36	0.25
29	36.75 *	29.66 *	26.81 *	22.34 *	17.08 *	11.67	6.62	4.51	1.44	0.23
25.5	39.31 *	31.82 *	28.60 *	23.47 *	17.70 *	12.00	6.74	4.54	1.43	0.20
22.5	46.57 *	38.07 *	34.24 *	27.77 *	20.67 *	13.91 *	7.75	5.15	1.60	0.22
19.5	43.86 *	36.22 *	32.73 *	26.53 *	19.48 *	12.97 *	7.19	4.74	1.47	0.19
17	37.78 *	31.52 *	28.68 *	23.34 *	16.99 *	11.18 *	6.19	4.09	1.26	0.15
15	39.69 *	33.42 *	30.66 *	25.02 *	18.13 *	11.86 *	6.55	4.32	1.32	0.16
13	41.37 *	35.08 *	32.43 *	26.59 *	19.19 *	12.47 *	6.86	4.52	1.37	0.16
11	42.80 *	36.52 *	33.98 *	27.97 *	20.11 *	12.97 *	7.11	4.67	1.41	0.16
9	44.01 *	37.70 *	35.28 *	29.10 *	20.85 *	13.37 *	7.31	4.79	1.43	0.16
7	45.00 *	38.66 *	36.30 *	29.94 *	21.39 *	13.66 *	7.46	4.87	1.45	0.16
5	45.68 *	39.34 *	36.98 *	30.50 *	21.74 *	13.89 *	7.60 *	4.93	1.47	0.16
3	46.05 *	39.73 *	37.35 *	30.81 *	21.94 *	14.04 *	7.68 *	4.95	1.47	0.17
1	23.06 *	19.91 *	18.72 *	15.44 *	10.99 *	7.04 *	3.84 *	2.46	0.73	0.08
0	23.06 *	19.91 *	18.72 *	15.44 *	10.99 *	7.04 *	3.84 *	2.46	0.73	0.08
-1	46.05 *	39.73 *	37.35 *	30.81 *	21.94 *	14.04 *	7.68 *	4.95	1.47	0.17
-3	45.68 *	39.34 *	36.98 *	30.50 *	21.74 *	13.89 *	7.60 *	4.93	1.47	0.16
-5	45.00 *	38.66 *	36.30 *	29.94 *	21.39 *	13.66 *	7.46	4.87	1.45	0.16
-7	44.01 *	37.70 *	35.28 *	29.10 *	20.85 *	13.37 *	7.31	4.79	1.43	0.16
-9	42.80 *	36.52 *	33.98 *	27.97 *	20.11 *	12.97 *	7.11	4.67	1.41	0.16
-11	41.37 *	35.08 *	32.43 *	26.59 *	19.19 *	12.47 *	6.86	4.52	1.37	0.16
-13	39.69 *	33.42 *	30.66 *	25.02 *	18.13 *	11.86 *	6.55	4.32	1.32	0.16
-15	37.78 *	31.52 *	28.68 *	23.34 *	16.99 *	11.18 *	6.19	4.09	1.26	0.15
-17	43.86 *	36.22 *	32.73 *	26.53 *	19.48 *	12.97 *	7.19	4.74	1.47	0.19
-19.5	46.57 *	38.07 *	34.24 *	27.77 *	20.67 *	13.91 *	7.75	5.15	1.60	0.22

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-34L-PC-WF-40-80-FGS.IES

LUMENS TABULATION - (Cont.)

-22.5	39.31 *	31.82 *	28.60 *	23.47 *	17.70 *	12.00	6.74	4.54	1.43	0.20
-25.5	36.75 *	29.66 *	26.81 *	22.34 *	17.08 *	11.67	6.62	4.51	1.44	0.23
-29	31.26 *	25.51 *	23.34 *	19.71 *	15.26	10.55	6.08	4.18	1.36	0.25
-33	24.64 *	20.39 *	18.96 *	16.24	12.67	8.86	5.22	3.62	1.22	0.26
-37.5	18.62 *	15.51 *	14.55	12.56	9.85	7.01	4.20	2.85	0.99	0.27
-42.5	12.25	10.27	9.65	8.31	6.62	4.84	2.88	1.88	0.70	0.24
-47.5	10.03	8.46	8.04	7.06	5.74	4.21	2.43	1.62	0.74	0.31
-55	4.86	4.19	4.08	3.66	3.01	2.17	1.26	1.00	0.68	0.31
-65	1.25	1.09	1.09	1.01	0.84	0.65	0.46	0.52	0.44	0.21
-75	0.27	0.25	0.28	0.28	0.28	0.28	0.24	0.28	0.25	0.12
-85	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.02
-90										
Total	1270.3	1066.73	985.55	815.41	601.13	399.27	223.42	149.06	48.55	8.35

Vert. Angles	Horizontal Angles		
	<u>75</u>	<u>85</u>	<u>90</u>
90			
	0.00	0.00	0.71
85			
	0.03	0.00	4.58
75			
	0.06	0.00	18.65
65			
	0.08	0.00	71.20
55			
	0.08	0.00	147.51
47.5			
	0.06	0.00	179.92
42.5			
	0.06	0.00	274.44
37.5			
	0.06	0.00	372.32
33			
	0.06	0.00	478.02
29			
	0.05	0.00	548.77
25.5			
	0.05	0.00	565.30
22.5			
	0.05	0.00	647.81
19.5			
	0.04	0.00	595.69
17			
	0.03	0.00	506.22

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-34L-PC-WF-40-80-FGS.IES

LUMENS TABULATION - (Cont.)

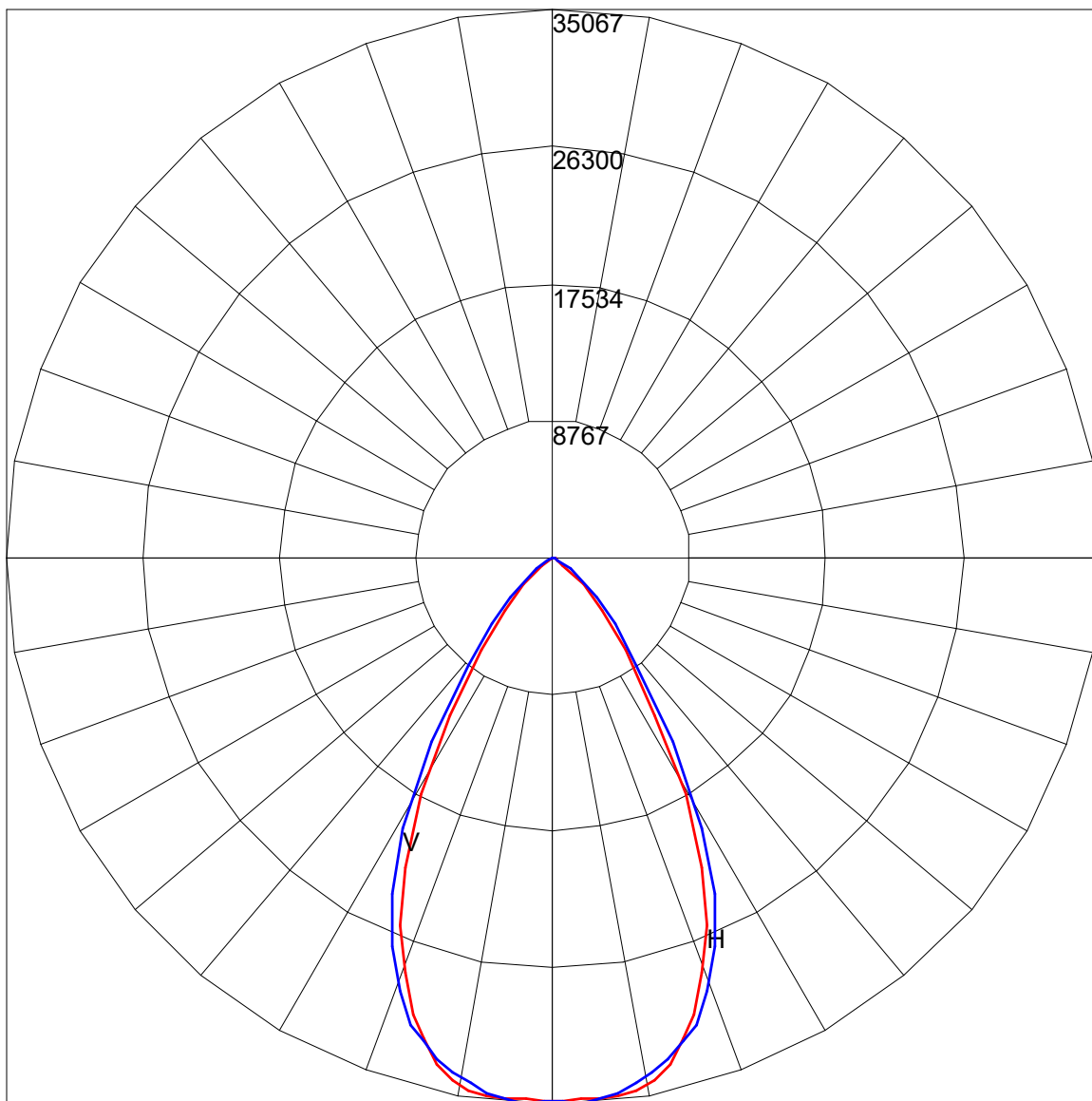
15			
	0.03	0.00	527.15
13			
	0.03	0.00	545.39
11			
	0.03	0.00	561.03
9			
	0.03	0.00	573.90
7			
	0.03	0.00	583.76
5			
	0.03	0.00	590.29
3			
	0.03	0.00	593.48
1			
	0.02	0.00	297.06
0			
	0.02	0.00	297.06
-1			
	0.03	0.00	593.48
-3			
	0.03	0.00	590.29
-5			
	0.03	0.00	583.76
-7			
	0.03	0.00	573.90
-9			
	0.03	0.00	561.03
-11			
	0.03	0.00	545.39
-13			
	0.03	0.00	527.15
-15			
	0.03	0.00	506.22
-17			
	0.04	0.00	595.69
-19.5			
	0.05	0.00	647.81
-22.5			
	0.05	0.00	565.30
-25.5			
	0.05	0.00	548.77
-29			
	0.06	0.00	478.02
-33			
	0.06	0.00	372.32
-37.5			
	0.06	0.00	274.44
-42.5			
	0.06	0.00	179.92
-47.5			
	0.08	0.00	147.51
-55			
	0.08	0.00	71.20
-65			
	0.06	0.00	18.65

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-34L-PC-WF-40-80-FGS.IES

LUMENS TABULATION - (Cont.)

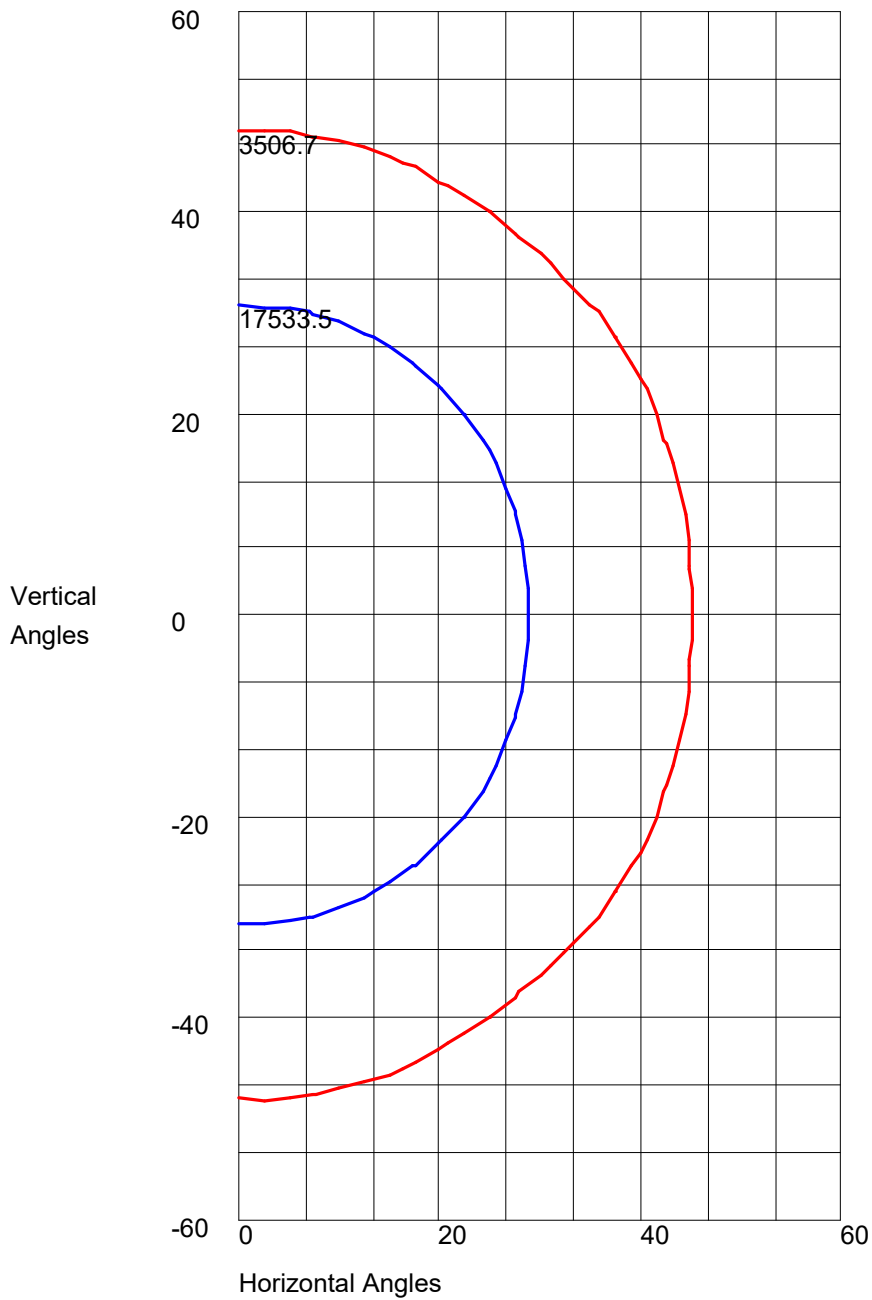
-75	0.03	0.00	4.58
-85	0.00	0.00	0.71
-90			
Total	1.95	0.06	17366.44

AXIAL CANDELA DISPLAY



Maximum Candela = 35067 Located At Horizontal Angle = 0, Vertical Angle = -3
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 35067 Located At Horizontal Angle = 0, Vertical Angle = -3
50% Maximum Candela = 17533.5
10% Maximum Candela = 3506.7