



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-30L-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-30L-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	30854
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	20027
Beam Efficiency	N.A.
Field Lumens	28368
Field Efficiency	N.A.
Spill Lumens	2192
Luminaire Lumens	30560
Total Efficiency	N.A.
Total Luminaire Watts	238
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	13	85	19
75	46	75	44
65	95	65	320
55	750	55	1185
47.5	2275	47.5	3252
42.5	4001	42.5	5141
37.5	6625	37.5	7803
33	10643	33	12469
29	15373	29	17463
25.5	19378	25.5	21118
22.5	22571	22.5	23856
19.5	24945	19.5	25979
17	27005	17	27547
15	28175	15	28295
13	29398	13	29014
11	30078	11	29597
9	30422	9	30081
7	30575	7	30469
5	30617	5	30733
3	30622	3	30854
1	30658	1	30762
0	30681	0	30681
-1	30658	-1	30762
-3	30622	-3	30854
-5	30617	-5	30733
-7	30575	-7	30469
-9	30422	-9	30081
-11	30078	-11	29597
-13	29398	-13	29014
-15	28175	-15	28295
-17	27005	-17	27547
-19.5	24945	-19.5	25979
-22.5	22571	-22.5	23856
-25.5	19378	-25.5	21118
-29	15373	-29	17463
-33	10643	-33	12469
-37.5	6625	-37.5	7803
-42.5	4001	-42.5	5141
-47.5	2275	-47.5	3252
-55	750	-55	1185
-65	95	-65	320
-75	46	-75	44
-85	13	-85	19
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 30854

Beam Edge = 15427 Cd (50% of Max.)

Field Edge = 3085.4 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	1	5	8	11	12	13	14	15	16
75.0	0	4	11	17	22	25	27	30	31	34
65.0	0	7	16	27	37	43	55	82	120	153
55.0	0	9	22	40	54	113	203	315	428	533
47.5	0	10	27	50	85	278	466	709	955	1256
42.5	0	10	31	56	132	429	707	1042	1459	1933
37.5	0	11	34	60	207	636	977	1505	2193	2882
33.0	0	11	36	65	291	847	1334	2126	3032	4060 *
29.0	0	12	38	69	364	1072	1712	2788	4053 *	5467 *
25.5	0	12	40	72	447	1286	2109	3451 *	5051 *	6944 *
22.5	0	12	41	77	509	1486	2463	4050 *	6001 *	8369 *
19.5	0	12	42	82	568	1665	2830	4646 *	6966 *	9865 *
17.0	0	13	43	86	623	1815	3086 *	5090 *	7804 *	11129 *
15.0	0	13	44	88	660	1935	3284 *	5406 *	8408 *	11983 *
13.0	0	13	44	89	690	2037	3455 *	5741 *	8950 *	12821 *
11.0	0	13	45	91	714	2120	3599 *	6018 *	9466 *	13565 *
9.0	0	13	45	92	731	2186	3719 *	6239 *	9899 *	14204 *
7.0	0	13	46	93	742	2235	3814 *	6403 *	10238 *	14699 *
5.0	0	13	46	94	752	2267	3882 *	6510 *	10478 *	15045 *
3.0	0	13	46	95	762	2295	3981 *	6581 *	10618 *	15262 *
1.0	0	13	46	95	754	2282	3994 *	6630 *	10661 *	15371 *
0.0	0	13	46	95	750	2275	4001 *	6625 *	10643 *	15373 *
-1.0	0	13	46	95	754	2282	3994 *	6630 *	10661 *	15371 *
-3.0	0	13	46	95	762	2295	3981 *	6581 *	10618 *	15262 *
-5.0	0	13	46	94	752	2267	3882 *	6510 *	10478 *	15045 *
-7.0	0	13	46	93	742	2235	3814 *	6403 *	10238 *	14699 *
-9.0	0	13	45	92	731	2186	3719 *	6239 *	9899 *	14204 *
-11.0	0	13	45	91	714	2120	3599 *	6018 *	9466 *	13565 *
-13.0	0	13	44	89	690	2037	3455 *	5741 *	8950 *	12821 *
-15.0	0	13	44	88	660	1935	3284 *	5406 *	8408 *	11983 *
-17.0	0	13	43	86	623	1815	3086 *	5090 *	7804 *	11129 *
-19.5	0	12	42	82	568	1665	2830	4646 *	6966 *	9865 *
-22.5	0	12	41	77	509	1486	2463	4050 *	6001 *	8369 *
-25.5	0	12	40	72	447	1286	2109	3451 *	5051 *	6944 *
-29.0	0	12	38	69	364	1072	1712	2788	4053 *	5467 *
-33.0	0	11	36	65	291	847	1334	2126	3032	4060 *
-37.5	0	11	34	60	207	636	977	1505	2193	2882
-42.5	0	10	31	56	132	429	707	1042	1459	1933
-47.5	0	10	27	50	85	278	466	709	955	1256
-55.0	0	9	22	40	54	113	203	315	428	533
-65.0	0	7	16	27	37	43	55	82	120	153
-75.0	0	4	11	17	22	25	27	30	31	34
-85.0	0	1	5	8	11	12	13	14	15	16
-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	17	17	18	18	19	19	19	19	19	19
75.0	36	38	40	41	42	42	42	43	43	43
65.0	180	205	233	254	271	284	293	301	307	311
55.0	648	736	833	932	1004	1068	1114	1146	1171	1189
47.5	1546	1825	2121	2363	2556	2741	2914	3030	3124 *	3198 *
42.5	2429	2857	3302 *	3668 *	3972 *	4264 *	4531 *	4728 *	4871 *	4985 *
37.5	3564 *	4232 *	4976 *	5564 *	5987 *	6463 *	6900 *	7280 *	7508 *	7655 *
33.0	5139 *	6168 *	7220 *	8272 *	9073 *	9782 *	10533 *	11221 *	11746 *	12128 *
29.0	7003 *	8579 *	10279 *	11812 *	13015 *	14185 *	15164 *	16034 *	16727 *	17137 *
25.5	9035 *	11113 *	13351 *	15146 *	16552 *	17830 *	18939 *	19781 *	20421 *	20808 *
22.5	11053 *	13519 *	16073 *	18032 *	19454 *	20762 *	21840 *	22576 *	23158 *	23582 *
19.5	13098 *	15837 *	18620 *	20682 *	22136 *	23378 *	24329 *	25036 *	25573 *	25920 *
17.0	14533 *	17622 *	20295 *	22426 *	23958 *	25067 *	26117 *	26662 *	27036 *	27372 *
15.0	15609 *	18690 *	21324 *	23509 *	24906 *	26109 *	27034 *	27627 *	27880 *	28142 *
13.0	16518 *	19625 *	22226 *	24281 *	25750 *	26909 *	27816 *	28356 *	28633 *	28820 *
11.0	17311 *	20505 *	22985 *	25099 *	26374 *	27566 *	28540 *	28992 *	29246 *	29414 *
9.0	18009 *	21155 *	23651 *	25701 *	27057 *	28171 *	29038 *	29541 *	29741 *	29904 *
7.0	18602 *	21706 *	24276 *	26282 *	27551 *	28639 *	29475 *	29861 *	30146 *	30277 *
5.0	19051 *	22132 *	24707 *	26777 *	27848 *	28949 *	29863 *	30146 *	30327 *	30550 *
3.0	19314 *	22437 *	24955 *	27007 *	28033 *	29191 *	29944 *	30302 *	30543 *	30597 *
1.0	19400 *	22597 *	25008 *	27048 *	28174 *	29334 *	30014 *	30376 *	30555 *	30623 *
0.0	19378 *	22571 *	24945 *	27005 *	28175 *	29398 *	30078 *	30422 *	30575 *	30617 *
-1.0	19400 *	22597 *	25008 *	27048 *	28174 *	29334 *	30014 *	30376 *	30555 *	30623 *
-3.0	19314 *	22437 *	24955 *	27007 *	28033 *	29191 *	29944 *	30302 *	30543 *	30597 *
-5.0	19051 *	22132 *	24707 *	26777 *	27848 *	28949 *	29863 *	30146 *	30327 *	30550 *
-7.0	18602 *	21706 *	24276 *	26282 *	27551 *	28639 *	29475 *	29861 *	30146 *	30277 *
-9.0	18009 *	21155 *	23651 *	25701 *	27057 *	28171 *	29038 *	29541 *	29741 *	29904 *
-11.0	17311 *	20505 *	22985 *	25099 *	26374 *	27566 *	28540 *	28992 *	29246 *	29414 *
-13.0	16518 *	19625 *	22226 *	24281 *	25750 *	26909 *	27816 *	28356 *	28633 *	28820 *
-15.0	15609 *	18690 *	21324 *	23509 *	24906 *	26109 *	27034 *	27627 *	27880 *	28142 *
-17.0	14533 *	17622 *	20295 *	22426 *	23958 *	25067 *	26117 *	26662 *	27036 *	27372 *
-19.5	13098 *	15837 *	18620 *	20682 *	22136 *	23378 *	24329 *	25036 *	25573 *	25920 *
-22.5	11053 *	13519 *	16073 *	18032 *	19454 *	20762 *	21840 *	22576 *	23158 *	23582 *
-25.5	9035 *	11113 *	13351 *	15146 *	16552 *	17830 *	18939 *	19781 *	20421 *	20808 *
-29.0	7003 *	8579 *	10279 *	11812 *	13015 *	14185 *	15164 *	16034 *	16727 *	17137 *
-33.0	5139 *	6168 *	7220 *	8272 *	9073 *	9782 *	10533 *	11221 *	11746 *	12128 *
-37.5	3564 *	4232 *	4976 *	5564 *	5987 *	6463 *	6900 *	7280 *	7508 *	7655 *
-42.5	2429	2857	3302 *	3668 *	3972 *	4264 *	4531 *	4728 *	4871 *	4985 *
-47.5	1546	1825	2121	2363	2556	2741	2914	3030	3124 *	3198 *
-55.0	648	736	833	932	1004	1068	1114	1146	1171	1189
-65.0	180	205	233	254	271	284	293	301	307	311
-75.0	36	38	40	41	42	42	42	43	43	43
-85.0	17	17	18	18	19	19	19	19	19	19
-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	19	19	19	19	19	19	19	19	19	19
75.0	43	44	44	44	43	43	43	43	42	42
65.0	317	319	320	319	317	311	307	301	293	284

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CANDELA TABULATION - (Cont.)

55.0	1202	1191	1185	1191	1202	1189	1171	1146	1114	1068
47.5	3263 *	3256 *	3252 *	3256 *	3263 *	3198 *	3124 *	3030	2914	2741
42.5	5101 *	5128 *	5141 *	5128 *	5101 *	4985 *	4871 *	4728 *	4531 *	4264 *
37.5	7731 *	7800 *	7803 *	7800 *	7731 *	7655 *	7508 *	7280 *	6900 *	6463 *
33.0	12382 *	12473 *	12469 *	12473 *	12382 *	12128 *	11746 *	11221 *	10533 *	9782 *
29.0	17396 *	17480 *	17463 *	17480 *	17396 *	17137 *	16727 *	16034 *	15164 *	14185 *
25.5	21043 *	21131 *	21118 *	21131 *	21043 *	20808 *	20421 *	19781 *	18939 *	17830 *
22.5	23824 *	23910 *	23856 *	23910 *	23824 *	23582 *	23158 *	22576 *	21840 *	20762 *
19.5	26032 *	26027 *	25979 *	26027 *	26032 *	25920 *	25573 *	25036 *	24329 *	23378 *
17.0	27545 *	27574 *	27547 *	27574 *	27545 *	27372 *	27036 *	26662 *	26117 *	25067 *
15.0	28288 *	28334 *	28295 *	28334 *	28288 *	28142 *	27880 *	27627 *	27034 *	26109 *
13.0	28956 *	28997 *	29014 *	28997 *	28956 *	28820 *	28633 *	28356 *	27816 *	26909 *
11.0	29525 *	29564 *	29597 *	29564 *	29525 *	29414 *	29246 *	28992 *	28540 *	27566 *
9.0	30005 *	30051 *	30081 *	30051 *	30005 *	29904 *	29741 *	29541 *	29038 *	28171 *
7.0	30385 *	30444 *	30469 *	30444 *	30385 *	30277 *	30146 *	29861 *	29475 *	28639 *
5.0	30596 *	30704 *	30733 *	30704 *	30596 *	30550 *	30327 *	30146 *	29863 *	28949 *
3.0	30729 *	30794 *	30854 *	30794 *	30729 *	30597 *	30543 *	30302 *	29944 *	29191 *
1.0	30650 *	30735 *	30762 *	30735 *	30650 *	30623 *	30555 *	30376 *	30014 *	29334 *
0.0	30622 *	30658 *	30681 *	30658 *	30622 *	30617 *	30575 *	30422 *	30078 *	29398 *
-1.0	30650 *	30735 *	30762 *	30735 *	30650 *	30623 *	30555 *	30376 *	30014 *	29334 *
-3.0	30729 *	30794 *	30854 *	30794 *	30729 *	30597 *	30543 *	30302 *	29944 *	29191 *
-5.0	30596 *	30704 *	30733 *	30704 *	30596 *	30550 *	30327 *	30146 *	29863 *	28949 *
-7.0	30385 *	30444 *	30469 *	30444 *	30385 *	30277 *	30146 *	29861 *	29475 *	28639 *
-9.0	30005 *	30051 *	30081 *	30051 *	30005 *	29904 *	29741 *	29541 *	29038 *	28171 *
-11.0	29525 *	29564 *	29597 *	29564 *	29525 *	29414 *	29246 *	28992 *	28540 *	27566 *
-13.0	28956 *	28997 *	29014 *	28997 *	28956 *	28820 *	28633 *	28356 *	27816 *	26909 *
-15.0	28288 *	28334 *	28295 *	28334 *	28288 *	28142 *	27880 *	27627 *	27034 *	26109 *
-17.0	27545 *	27574 *	27547 *	27574 *	27545 *	27372 *	27036 *	26662 *	26117 *	25067 *
-19.5	26032 *	26027 *	25979 *	26027 *	26032 *	25920 *	25573 *	25036 *	24329 *	23378 *
-22.5	23824 *	23910 *	23856 *	23910 *	23824 *	23582 *	23158 *	22576 *	21840 *	20762 *
-25.5	21043 *	21131 *	21118 *	21131 *	21043 *	20808 *	20421 *	19781 *	18939 *	17830 *
-29.0	17396 *	17480 *	17463 *	17480 *	17396 *	17137 *	16727 *	16034 *	15164 *	14185 *
-33.0	12382 *	12473 *	12469 *	12473 *	12382 *	12128 *	11746 *	11221 *	10533 *	9782 *
-37.5	7731 *	7800 *	7803 *	7800 *	7731 *	7655 *	7508 *	7280 *	6900 *	6463 *
-42.5	5101 *	5128 *	5141 *	5128 *	5101 *	4985 *	4871 *	4728 *	4531 *	4264 *
-47.5	3263 *	3256 *	3252 *	3256 *	3263 *	3198 *	3124 *	3030	2914	2741
-55.0	1202	1191	1185	1191	1202	1189	1171	1146	1114	1068
-65.0	317	319	320	319	317	311	307	301	293	284
-75.0	43	44	44	44	43	43	43	43	42	42
-85.0	19	19	19	19	19	19	19	19	19	19
-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	19	18	18	17	17	16	15	14	13	12
75.0	42	41	40	38	36	34	31	30	27	25
65.0	271	254	233	205	180	153	120	82	55	43
55.0	1004	932	833	736	648	533	428	315	203	113
47.5	2556	2363	2121	1825	1546	1256	955	709	466	278
42.5	3972 *	3668 *	3302 *	2857	2429	1933	1459	1042	707	429
37.5	5987 *	5564 *	4976 *	4232 *	3564 *	2882	2193	1505	977	636
33.0	9073 *	8272 *	7220 *	6168 *	5139 *	4060 *	3032	2126	1334	847
29.0	13015 *	11812 *	10279 *	8579 *	7003 *	5467 *	4053 *	2788	1712	1072
25.5	16552 *	15146 *	13351 *	11113 *	9035 *	6944 *	5051 *	3451 *	2109	1286

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

22.5	19454 *	18032 *	16073 *	13519 *	11053 *	8369 *	6001 *	4050 *	2463	1486
19.5	22136 *	20682 *	18620 *	15837 *	13098 *	9865 *	6966 *	4646 *	2830	1665
17.0	23958 *	22426 *	20295 *	17622 *	14533 *	11129 *	7804 *	5090 *	3086 *	1815
15.0	24906 *	23509 *	21324 *	18690 *	15609 *	11983 *	8408 *	5406 *	3284 *	1935
13.0	25750 *	24281 *	22226 *	19625 *	16518 *	12821 *	8950 *	5741 *	3455 *	2037
11.0	26374 *	25099 *	22985 *	20505 *	17311 *	13565 *	9466 *	6018 *	3599 *	2120
9.0	27057 *	25701 *	23651 *	21155 *	18009 *	14204 *	9899 *	6239 *	3719 *	2186
7.0	27551 *	26282 *	24276 *	21706 *	18602 *	14699 *	10238 *	6403 *	3814 *	2235
5.0	27848 *	26777 *	24707 *	22132 *	19051 *	15045 *	10478 *	6510 *	3882 *	2267
3.0	28033 *	27007 *	24955 *	22437 *	19314 *	15262 *	10618 *	6581 *	3981 *	2295
1.0	28174 *	27048 *	25008 *	22597 *	19400 *	15371 *	10661 *	6630 *	3994 *	2282
0.0	28175 *	27005 *	24945 *	22571 *	19378 *	15373 *	10643 *	6625 *	4001 *	2275
-1.0	28174 *	27048 *	25008 *	22597 *	19400 *	15371 *	10661 *	6630 *	3994 *	2282
-3.0	28033 *	27007 *	24955 *	22437 *	19314 *	15262 *	10618 *	6581 *	3981 *	2295
-5.0	27848 *	26777 *	24707 *	22132 *	19051 *	15045 *	10478 *	6510 *	3882 *	2267
-7.0	27551 *	26282 *	24276 *	21706 *	18602 *	14699 *	10238 *	6403 *	3814 *	2235
-9.0	27057 *	25701 *	23651 *	21155 *	18009 *	14204 *	9899 *	6239 *	3719 *	2186
-11.0	26374 *	25099 *	22985 *	20505 *	17311 *	13565 *	9466 *	6018 *	3599 *	2120
-13.0	25750 *	24281 *	22226 *	19625 *	16518 *	12821 *	8950 *	5741 *	3455 *	2037
-15.0	24906 *	23509 *	21324 *	18690 *	15609 *	11983 *	8408 *	5406 *	3284 *	1935
-17.0	23958 *	22426 *	20295 *	17622 *	14533 *	11129 *	7804 *	5090 *	3086 *	1815
-19.5	22136 *	20682 *	18620 *	15837 *	13098 *	9865 *	6966 *	4646 *	2830	1665
-22.5	19454 *	18032 *	16073 *	13519 *	11053 *	8369 *	6001 *	4050 *	2463	1486
-25.5	16552 *	15146 *	13351 *	11113 *	9035 *	6944 *	5051 *	3451 *	2109	1286
-29.0	13015 *	11812 *	10279 *	8579 *	7003 *	5467 *	4053 *	2788	1712	1072
-33.0	9073 *	8272 *	7220 *	6168 *	5139 *	4060 *	3032	2126	1334	847
-37.5	5987 *	5564 *	4976 *	4232 *	3564 *	2882	2193	1505	977	636
-42.5	3972 *	3668 *	3302 *	2857	2429	1933	1459	1042	707	429
-47.5	2556	2363	2121	1825	1546	1256	955	709	466	278
-55.0	1004	932	833	736	648	533	428	315	203	113
-65.0	271	254	233	205	180	153	120	82	55	43
-75.0	42	41	40	38	36	34	31	30	27	25
-85.0	19	18	18	17	17	16	15	14	13	12
-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	11	8	5	1	0
75.0	22	17	11	4	0
65.0	37	27	16	7	0
55.0	54	40	22	9	0
47.5	85	50	27	10	0
42.5	132	56	31	10	0
37.5	207	60	34	11	0
33.0	291	65	36	11	0
29.0	364	69	38	12	0
25.5	447	72	40	12	0
22.5	509	77	41	12	0
19.5	568	82	42	12	0
17.0	623	86	43	13	0
15.0	660	88	44	13	0
13.0	690	89	44	13	0
11.0	714	91	45	13	0
9.0	731	92	45	13	0

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	742	93	46	13	0
5.0	752	94	46	13	0
3.0	762	95	46	13	0
1.0	754	95	46	13	0
0.0	750	95	46	13	0
-1.0	754	95	46	13	0
-3.0	762	95	46	13	0
-5.0	752	94	46	13	0
-7.0	742	93	46	13	0
-9.0	731	92	45	13	0
-11.0	714	91	45	13	0
-13.0	690	89	44	13	0
-15.0	660	88	44	13	0
-17.0	623	86	43	13	0
-19.5	568	82	42	12	0
-22.5	509	77	41	12	0
-25.5	447	72	40	12	0
-29.0	364	69	38	12	0
-33.0	291	65	36	11	0
-37.5	207	60	34	11	0
-42.5	132	56	31	10	0
-47.5	85	50	27	10	0
-55.0	54	40	22	9	0
-65.0	37	27	16	7	0
-75.0	22	17	11	4	0
-85.0	11	8	5	1	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-WF-50-80-FGS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 15280.1

Total Field Lumens (one side of beam only) = 14183.9

* 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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
75	0.10	0.19	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.21
65	0.55	1.10	1.08	1.07	1.05	1.02	0.98	0.94	0.89	1.03
55	2.30	4.61	4.59	4.51	4.41	4.28	4.11	3.88	3.60	4.07
47.5	5.07	10.17	10.09	9.86	9.58	9.23	8.76	8.17	7.53	8.47
42.5	6.39 *	12.75 *	12.57 *	12.25 *	11.88 *	11.40 *	10.76 *	10.00 *	9.19 *	10.35
37.5	9.85 *	19.60 *	19.35 *	18.95 *	18.39 *	17.58 *	16.50 *	15.28 *	14.05 *	15.83 *
33	13.89 *	27.66 *	27.28 *	26.61 *	25.62 *	24.25 *	22.58 *	20.82 *	19.04 *	21.18 *
29	18.24 *	36.37 *	35.88 *	34.98 *	33.62 *	31.77 *	29.59 *	27.22 *	24.70 *	27.18 *
25.5	20.57 *	41.05 *	40.62 *	39.81 *	38.51 *	36.70 *	34.47 *	31.85 *	28.96 *	32.01 *
22.5	20.56 *	41.05 *	40.68 *	39.97 *	38.88 *	37.41 *	35.47 *	33.07 *	30.39 *	33.95 *
19.5	22.79 *	45.57 *	45.29 *	44.64 *	43.59 *	42.20 *	40.36 *	38.01 *	35.27 *	39.81 *
17	20.39 *	40.78 *	40.59 *	40.10 *	39.33 *	38.30 *	36.83 *	34.93 *	32.65 *	37.07 *
15	17.02 *	34.02 *	33.83 *	33.45 *	32.94 *	32.23 *	31.08 *	29.57 *	27.76 *	31.66 *
13	17.46 *	34.88 *	34.70 *	34.38 *	33.93 *	33.25 *	32.14 *	30.64 *	28.83 *	33.03 *
11	17.85 *	35.63 *	35.47 *	35.17 *	34.76 *	34.11 *	33.02 *	31.51 *	29.72 *	34.20 *
9	18.17 *	36.27 *	36.11 *	35.84 *	35.45 *	34.83 *	33.76 *	32.27 *	30.52 *	35.23 *
7	18.44 *	36.80 *	36.64 *	36.37 *	35.98 *	35.37 *	34.36 *	32.93 *	31.21 *	36.13 *
5	18.63 *	37.18 *	37.01 *	36.75 *	36.34 *	35.80 *	34.84 *	33.39 *	31.76 *	36.90 *
3	18.75 *	37.39 *	37.21 *	36.96 *	36.59 *	36.07 *	35.14 *	33.70 *	32.11 *	37.41 *
1	18.76 *	37.42 *	37.25 *	37.05 *	36.73 *	36.19 *	35.30 *	33.91 *	32.28 *	37.61 *
0	9.35 *	18.67 *	18.61 *	18.53 *	18.39 *	18.13 *	17.70 *	17.01 *	16.16 *	18.80 *
-1	9.35 *	18.67 *	18.61 *	18.53 *	18.39 *	18.13 *	17.70 *	17.01 *	16.16 *	18.80 *
	18.76 *	37.42 *	37.25 *	37.05 *	36.73 *	36.19 *	35.30 *	33.91 *	32.28 *	37.61 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	18.75 *	37.39 *	37.21 *	36.96 *	36.59 *	36.07 *	35.14 *	33.70 *	32.11 *	37.41 *
-5	18.63 *	37.18 *	37.01 *	36.75 *	36.34 *	35.80 *	34.84 *	33.39 *	31.76 *	36.90 *
-7	18.44 *	36.80 *	36.64 *	36.37 *	35.98 *	35.37 *	34.36 *	32.93 *	31.21 *	36.13 *
-9	18.17 *	36.27 *	36.11 *	35.84 *	35.45 *	34.83 *	33.76 *	32.27 *	30.52 *	35.23 *
-11	17.85 *	35.63 *	35.47 *	35.17 *	34.76 *	34.11 *	33.02 *	31.51 *	29.72 *	34.20 *
-13	17.46 *	34.88 *	34.70 *	34.38 *	33.93 *	33.25 *	32.14 *	30.64 *	28.83 *	33.03 *
-15	17.02 *	34.02 *	33.83 *	33.45 *	32.94 *	32.23 *	31.08 *	29.57 *	27.76 *	31.66 *
-17	20.39 *	40.78 *	40.59 *	40.10 *	39.33 *	38.30 *	36.83 *	34.93 *	32.65 *	37.07 *
-19.5	22.79 *	45.57 *	45.29 *	44.64 *	43.59 *	42.20 *	40.36 *	38.01 *	35.27 *	39.81 *
-22.5	20.56 *	41.05 *	40.68 *	39.97 *	38.88 *	37.41 *	35.47 *	33.07 *	30.39 *	33.95 *
-25.5	20.57 *	41.05 *	40.62 *	39.81 *	38.51 *	36.70 *	34.47 *	31.85 *	28.96 *	32.01 *
-29	18.24 *	36.37 *	35.88 *	34.98 *	33.62 *	31.77 *	29.59 *	27.22 *	24.70 *	27.18 *
-33	13.89 *	27.66 *	27.28 *	26.61 *	25.62 *	24.25 *	22.58 *	20.82 *	19.04 *	21.18 *
-37.5	9.85 *	19.60 *	19.35 *	18.95 *	18.39 *	17.58 *	16.50 *	15.28 *	14.05 *	15.83 *
-42.5	6.39 *	12.75 *	12.57 *	12.25 *	11.88 *	11.40 *	10.76 *	10.00 *	9.19 *	10.35
-47.5	5.07	10.17	10.09	9.86	9.58	9.23	8.76	8.17	7.53	8.47
-55	2.30	4.61	4.59	4.51	4.41	4.28	4.11	3.88	3.60	4.07
-65	0.55	1.10	1.08	1.07	1.05	1.02	0.98	0.94	0.89	1.03
-75	0.10	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.21
-85	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
-90										
Total	590.30	1178.36	1170.15	1154.96	1132.4	1100.66	1055.97	998.60	933.62	1064.35

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	0.03	0.04	0.04	0.02
85	0.24	0.23	0.24	0.25	0.25	0.24	0.21	0.25	0.22	0.11
75	1.10	0.96	0.95	0.88	0.74	0.57	0.40	0.45	0.39	0.18
65	4.28	3.69	3.59	3.22	2.64	1.91	1.11	0.88	0.60	0.27
55	8.82	7.44	7.08	6.21	5.05	3.70	2.14	1.42	0.65	0.27

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5										
	10.78	9.03	8.49	7.31	5.83	4.26	2.53	1.65	0.61	0.21
42.5	16.39 *	13.65 *	12.80	11.05	8.67	6.17	3.70	2.51	0.87	0.24
37.5	21.69 *	17.94 *	16.68 *	14.29	11.15	7.80	4.60	3.18	1.07	0.23
33	27.51 *	22.45 *	20.54 *	17.35 *	13.43	9.28	5.35	3.68	1.20	0.22
29	32.34 *	26.10 *	23.59 *	19.66 *	15.02 *	10.27	5.82	3.96	1.27	0.20
25.5	34.58 *	28.00 *	25.16 *	20.65 *	15.57 *	10.56	5.93	4.00	1.26	0.18
22.5	40.98 *	33.50 *	30.13 *	24.44 *	18.18 *	12.24 *	6.82	4.53	1.41	0.19
19.5	38.59 *	31.87 *	28.80 *	23.34 *	17.14 *	11.41 *	6.32	4.17	1.29	0.16
17	33.24 *	27.74 *	25.23 *	20.53 *	14.95 *	9.84 *	5.45	3.60	1.11	0.14
15	34.92 *	29.40 *	26.98 *	22.01 *	15.95 *	10.43 *	5.77	3.80	1.16	0.14
13	36.40 *	30.87 *	28.53 *	23.39 *	16.89 *	10.97 *	6.04	3.97	1.20	0.14
11	37.66 *	32.13 *	29.89 *	24.61 *	17.69 *	11.42 *	6.26	4.11	1.24	0.14
9	38.72 *	33.17 *	31.04 *	25.60 *	18.34 *	11.77 *	6.44	4.21	1.26	0.14
7	39.59 *	34.01 *	31.94 *	26.35 *	18.82 *	12.02 *	6.57	4.28	1.28	0.15
5	40.19 *	34.61 *	32.54 *	26.84 *	19.13 *	12.22 *	6.69 *	4.34	1.30	0.15
3	40.52 *	34.95 *	32.86 *	27.10 *	19.30 *	12.36 *	6.76 *	4.35	1.30	0.15
1	20.29 *	17.52 *	16.47 *	13.59 *	9.67 *	6.20 *	3.38 *	2.17	0.64	0.07
0	20.29 *	17.52 *	16.47 *	13.59 *	9.67 *	6.20 *	3.38 *	2.17	0.64	0.07
-1	40.52 *	34.95 *	32.86 *	27.10 *	19.30 *	12.36 *	6.76 *	4.35	1.30	0.15
-3	40.19 *	34.61 *	32.54 *	26.84 *	19.13 *	12.22 *	6.69 *	4.34	1.30	0.15
-5	39.59 *	34.01 *	31.94 *	26.35 *	18.82 *	12.02 *	6.57	4.28	1.28	0.15
-7	38.72 *	33.17 *	31.04 *	25.60 *	18.34 *	11.77 *	6.44	4.21	1.26	0.14
-9	37.66 *	32.13 *	29.89 *	24.61 *	17.69 *	11.42 *	6.26	4.11	1.24	0.14
-11	36.40 *	30.87 *	28.53 *	23.39 *	16.89 *	10.97 *	6.04	3.97	1.20	0.14
-13	34.92 *	29.40 *	26.98 *	22.01 *	15.95 *	10.43 *	5.77	3.80	1.16	0.14
-15	33.24 *	27.74 *	25.23 *	20.53 *	14.95 *	9.84 *	5.45	3.60	1.11	0.14
-17	38.59 *	31.87 *	28.80 *	23.34 *	17.14 *	11.41 *	6.32	4.17	1.29	0.16
-19.5	40.98 *	33.50 *	30.13 *	24.44 *	18.18 *	12.24 *	6.82	4.53	1.41	0.19

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	34.58 *	28.00 *	25.16 *	20.65 *	15.57 *	10.56	5.93	4.00	1.26	0.18
-25.5	32.34 *	26.10 *	23.59 *	19.66 *	15.02 *	10.27	5.82	3.96	1.27	0.20
-29	27.51 *	22.45 *	20.54 *	17.35 *	13.43	9.28	5.35	3.68	1.20	0.22
-33	21.69 *	17.94 *	16.68 *	14.29	11.15	7.80	4.60	3.18	1.07	0.23
-37.5	16.39 *	13.65 *	12.80	11.05	8.67	6.17	3.70	2.51	0.87	0.24
-42.5	10.78	9.03	8.49	7.31	5.83	4.26	2.53	1.65	0.61	0.21
-47.5	8.82	7.44	7.08	6.21	5.05	3.70	2.14	1.42	0.65	0.27
-55	4.28	3.69	3.59	3.22	2.64	1.91	1.11	0.88	0.60	0.27
-65	1.10	0.96	0.95	0.88	0.74	0.57	0.40	0.45	0.39	0.18
-75	0.24	0.23	0.24	0.25	0.25	0.24	0.21	0.25	0.22	0.11
-85	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.04	0.02
-90	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.04	0.02
Total	1117.7	938.58	867.15	717.44	528.91	351.33	196.59	131.13	42.73	7.38

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.00	0.00		0.64
85				
	0.03	0.00		4.05
75				
	0.05	0.00		16.40
65				
	0.07	0.00		62.64
55				
	0.07	0.00		129.79
47.5				
	0.05	0.00		158.31
42.5				
	0.06	0.00		241.49
37.5				
	0.05	0.00		327.60
33				
	0.05	0.00		420.59
29				
	0.05	0.00		482.84
25.5				
	0.04	0.00		497.38
22.5				
	0.04	0.00		569.98
19.5				
	0.04	0.00		524.12
17				
	0.03	0.00		445.40

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

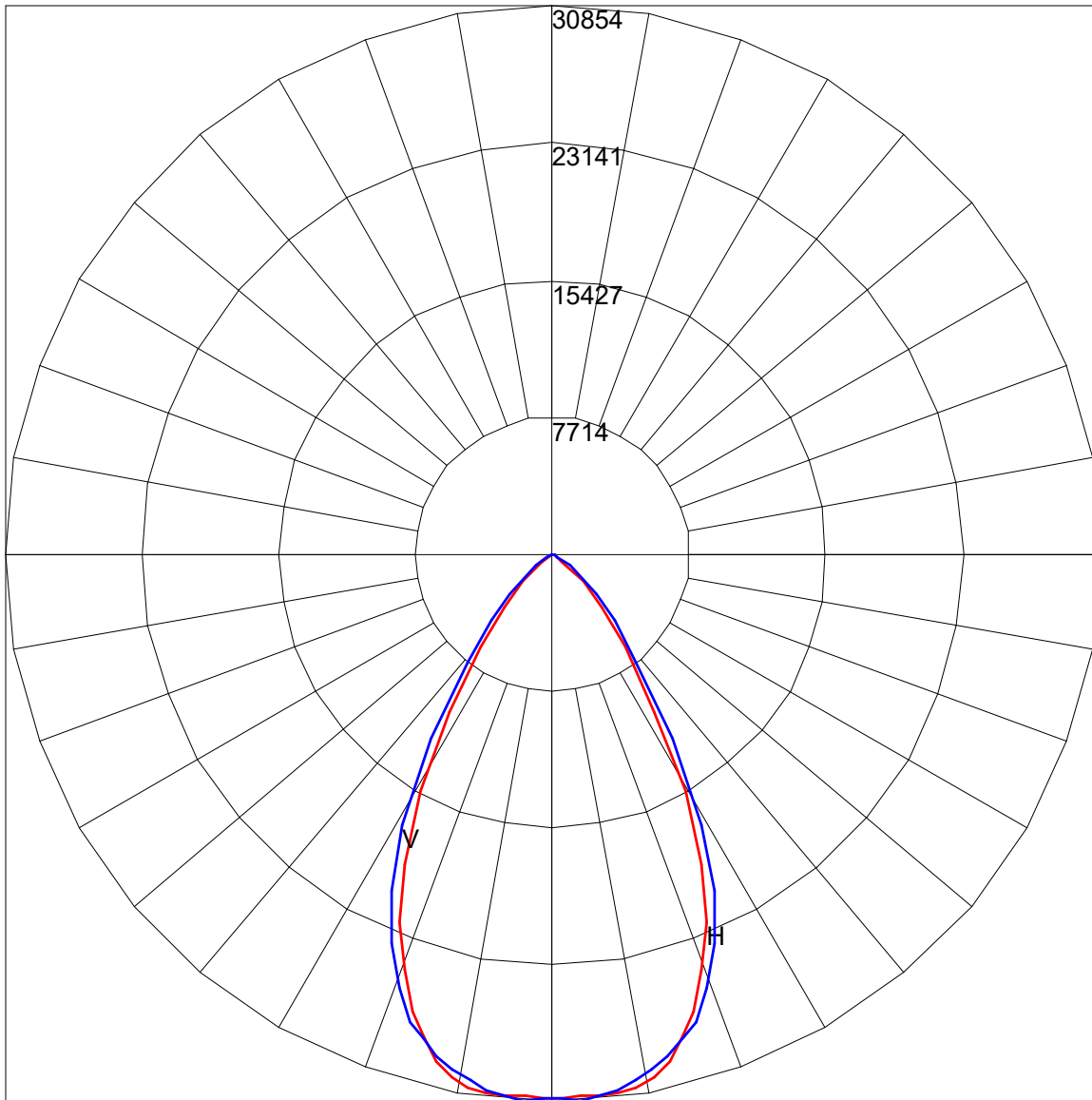
15	0.03	0.00	463.82
13	0.03	0.00	479.86
11	0.03	0.00	493.63
9	0.03	0.00	504.96
7	0.03	0.00	513.63
5	0.03	0.00	519.37
3	0.03	0.00	522.18
1	0.02	0.00	261.37
0	0.02	0.00	261.37
-1	0.03	0.00	522.18
-3	0.03	0.00	519.37
-5	0.03	0.00	513.63
-7	0.03	0.00	504.96
-9	0.03	0.00	493.63
-11	0.03	0.00	479.86
-13	0.03	0.00	463.82
-15	0.03	0.00	445.40
-17	0.04	0.00	524.12
-19.5	0.04	0.00	569.98
-22.5	0.04	0.00	497.38
-25.5	0.05	0.00	482.84
-29	0.05	0.00	420.59
-33	0.05	0.00	327.60
-37.5	0.06	0.00	241.49
-42.5	0.05	0.00	158.31
-47.5	0.07	0.00	129.79
-55	0.07	0.00	62.64
-65	0.05	0.00	16.40

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-WF-50-80-FGS.IES

LUMENS TABULATION - (Cont.)

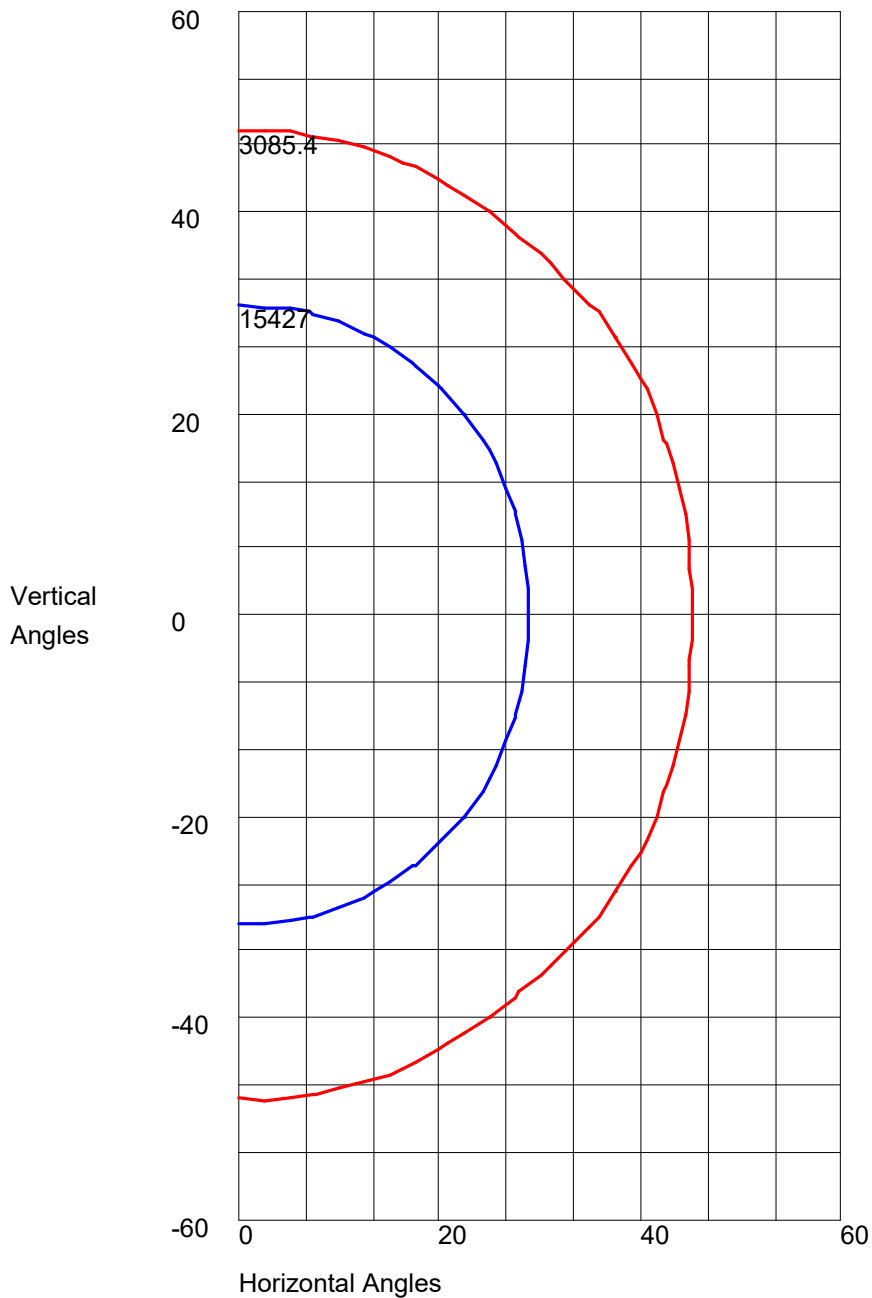
-75	0.03	0.00	4.05
-85	0.00	0.00	0.64
-90			
Total	1.73	0.05	15280.11

AXIAL CANDELA DISPLAY



Maximum Candela = 30854 Located At Horizontal Angle = 0, Vertical Angle = -3
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 30854 Located At Horizontal Angle = 0, Vertical Angle = -3
50% Maximum Candela = 15427
10% Maximum Candela = 3085.4