



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-42L-PC-NF-40-80-FGS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-12616

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUEDATE] 04/01/21

[TESTDATE] 03/17/21

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] PFL-LED-42L-PC-NF-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	3 H x 3 V
Maximum Candela	141525
Maximum Candela Angle	0H -3V
Horizontal Beam Angle (50%)	26.7
Vertical Beam Angle (50%)	28.5
Horizontal Field Angle (10%)	42.3
Vertical Field Angle (10%)	45.1
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	20779
Beam Efficiency	N.A.
Field Lumens	30788
Field Efficiency	N.A.
Spill Lumens	6926
Luminaire Lumens	37713
Total Efficiency	N.A.
Total Luminaire Watts	304
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	8	85	26
75	30	75	49
65	135	65	654
55	628	55	1459
47.5	899	47.5	1846
42.5	1132	42.5	1780
37.5	1533	37.5	1929
33	2289	33	2799
29	3821	29	4919
25.5	6158	25.5	8280
22.5	10041	22.5	14258
19.5	19393	19.5	26130
17	34810	17	42750
15	53462	15	61548
13	75656	13	85558
11	97006	11	107743
9	114379	9	124887
7	126437	7	135764
5	133635	5	141143
3	137970	3	141525
1	139766	1	140793
0	140241	0	140241
-1	139766	-1	140793
-3	137970	-3	141525
-5	133635	-5	141143
-7	126437	-7	135764
-9	114379	-9	124887
-11	97006	-11	107743
-13	75656	-13	85558
-15	53462	-15	61548
-17	34810	-17	42750
-19.5	19393	-19.5	26130
-22.5	10041	-22.5	14258
-25.5	6158	-25.5	8280
-29	3821	-29	4919
-33	2289	-33	2799
-37.5	1533	-37.5	1929
-42.5	1132	-42.5	1780
-47.5	899	-47.5	1846
-55	628	-55	1459
-65	135	-65	654
-75	30	-75	49
-85	8	-85	26
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 141525

Beam Edge = 70762.5 Cd (50% of Max.)

Field Edge = 14152.5 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	1	4	12	20	23	24	26	27	27
75.0	0	3	8	13	18	21	25	28	31	35
65.0	0	5	10	18	29	44	82	167	258	321
55.0	0	6	14	27	53	209	379	543	683	807
47.5	0	7	17	35	130	455	686	878	1057	1224
42.5	0	7	19	41	225	600	806	1006	1179	1337
37.5	0	7	21	46	323	690	883	1092	1256	1391
33.0	0	7	23	52	401	747	950	1158	1325	1492
29.0	0	7	25	56	464	793	997	1206	1417	1685
25.5	0	8	26	59	511	830	1028	1255	1541	1939
22.5	0	8	27	76	545	854	1056	1297	1660	2211
19.5	0	8	28	92	576	870	1081	1352	1775	2487
17.0	0	8	28	102	594	877	1097	1393	1884	2731
15.0	0	8	29	110	606	887	1110	1415	1962	2886
13.0	0	8	29	115	615	894	1120	1443	2018	3152
11.0	0	8	29	120	622	898	1128	1467	2086	3351
9.0	0	8	29	125	626	900	1132	1493	2158	3485
7.0	0	8	30	129	628	900	1131	1510	2223	3635
5.0	0	8	30	132	631	899	1127	1519	2260	3763
3.0	0	8	30	135	633	903	1134	1526	2276	3811
1.0	0	8	30	135	630	900	1133	1534	2290	3834
0.0	0	8	30	135	628	899	1132	1533	2289	3821
-1.0	0	8	30	135	630	900	1133	1534	2290	3834
-3.0	0	8	30	135	633	903	1134	1526	2276	3811
-5.0	0	8	30	132	631	899	1127	1519	2260	3763
-7.0	0	8	30	129	628	900	1131	1510	2223	3635
-9.0	0	8	29	125	626	900	1132	1493	2158	3485
-11.0	0	8	29	120	622	898	1128	1467	2086	3351
-13.0	0	8	29	115	615	894	1120	1443	2018	3152
-15.0	0	8	29	110	606	887	1110	1415	1962	2886
-17.0	0	8	28	102	594	877	1097	1393	1884	2731
-19.5	0	8	28	92	576	870	1081	1352	1775	2487
-22.5	0	8	27	76	545	854	1056	1297	1660	2211
-25.5	0	8	26	59	511	830	1028	1255	1541	1939
-29.0	0	7	25	56	464	793	997	1206	1417	1685
-33.0	0	7	23	52	401	747	950	1158	1325	1492
-37.5	0	7	21	46	323	690	883	1092	1256	1391
-42.5	0	7	19	41	225	600	806	1006	1179	1337
-47.5	0	7	17	35	130	455	686	878	1057	1224
-55.0	0	6	14	27	53	209	379	543	683	807
-65.0	0	5	10	18	29	44	82	167	258	321
-75.0	0	3	8	13	18	21	25	28	31	35
-85.0	0	1	4	12	20	23	24	26	27	27
-90.0	0	0	0	0	0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-NF-40-80-FGS.IES

CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	-25.5	-22.5	-19.5	-17.0	-15.0	-13.0	-11.0	-9.0	-7.0	-5.0
90.0	0	0	0	0	0	0	0	0	0	0
85.0	28	28	28	29	29	28	28	28	27	27
75.0	39	41	43	45	46	47	47	48	48	49
65.0	366	408	462	501	528	553	576	597	616	634
55.0	927	1024	1118	1190	1246	1299	1343	1381	1414	1445
47.5	1363	1440	1542	1607	1644	1687	1730	1757	1787	1818
42.5	1440	1524	1595	1640	1676	1711	1742	1760	1770	1778
37.5	1501	1585	1693	1778	1828	1884	1925	1950	1955	1947
33.0	1682	1887	2093	2273	2393	2482	2599	2691	2752	2791
29.0	2039	2410	2849	3239	3520	3914	4207	4420	4626	4819
25.5	2473	3136	3968	4746	5519	6251	6798	7399	7801	8109
22.5	2995	4052	5495	6954	8377	9594	10592	11899	12924	13741
19.5	3649	5184	7463	9780	11986	14445 *	16634 *	19546 *	21870 *	23660 *
17.0	4160	6244	9098	12518	15539 *	20121 *	24268 *	29451 *	34153 *	38160 *
15.0	4638	7025	10447	14471 *	20098 *	25908 *	33474 *	39959 *	48157 *	55316 *
13.0	5037	7712	11814	17671 *	24356 *	34341 *	44529 *	56057 *	65718 *	75520 *
11.0	5381	8237	13173	20274 *	30749 *	43120 *	58058 *	72601 *	86247 *	96880 *
9.0	5768	9078	15056 *	24614 *	36179 *	52997 *	70755 *	88908 *	103124 *	115619 *
7.0	6027	9653	16607 *	28557 *	43329 *	61614 *	82242 *	100526 *	116512 *	125763 *
5.0	6208	10038	17663 *	31506 *	49160 *	69341 *	90138 *	109265 *	122221 *	131779 *
3.0	6241	10184	19079 *	34046 *	52780 *	74419 *	95160 *	113108 *	126047 *	133373 *
1.0	6206	10162	19595 *	35151 *	54296 *	76305 *	97170 *	114140 *	126176 *	133895 *
0.0	6158	10041	19393 *	34810 *	53462 *	75656 *	97006 *	114379 *	126437 *	133635 *
-1.0	6206	10162	19595 *	35151 *	54296 *	76305 *	97170 *	114140 *	126176 *	133895 *
-3.0	6241	10184	19079 *	34046 *	52780 *	74419 *	95160 *	113108 *	126047 *	133373 *
-5.0	6208	10038	17663 *	31506 *	49160 *	69341 *	90138 *	109265 *	122221 *	131779 *
-7.0	6027	9653	16607 *	28557 *	43329 *	61614 *	82242 *	100526 *	116512 *	125763 *
-9.0	5768	9078	15056 *	24614 *	36179 *	52997 *	70755 *	88908 *	103124 *	115619 *
-11.0	5381	8237	13173	20274 *	30749 *	43120 *	58058 *	72601 *	86247 *	96880 *
-13.0	5037	7712	11814	17671 *	24356 *	34341 *	44529 *	56057 *	65718 *	75520 *
-15.0	4638	7025	10447	14471 *	20098 *	25908 *	33474 *	39959 *	48157 *	55316 *
-17.0	4160	6244	9098	12518	15539 *	20121 *	24268 *	29451 *	34153 *	38160 *
-19.5	3649	5184	7463	9780	11986	14445 *	16634 *	19546 *	21870 *	23660 *
-22.5	2995	4052	5495	6954	8377	9594	10592	11899	12924	13741
-25.5	2473	3136	3968	4746	5519	6251	6798	7399	7801	8109
-29.0	2039	2410	2849	3239	3520	3914	4207	4420	4626	4819
-33.0	1682	1887	2093	2273	2393	2482	2599	2691	2752	2791
-37.5	1501	1585	1693	1778	1828	1884	1925	1950	1955	1947
-42.5	1440	1524	1595	1640	1676	1711	1742	1760	1770	1778
-47.5	1363	1440	1542	1607	1644	1687	1730	1757	1787	1818
-55.0	927	1024	1118	1190	1246	1299	1343	1381	1414	1445
-65.0	366	408	462	501	528	553	576	597	616	634
-75.0	39	41	43	45	46	47	47	48	48	49
-85.0	28	28	28	29	29	28	28	28	27	27
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	-3.0	-1.0	0.0	1.0	3.0	5.0	7.0	9.0	11.0	13.0
90.0	0	0	0	0	0	0	0	0	0	0
85.0	27	26	26	26	27	27	27	28	28	28
75.0	49	49	49	49	49	49	48	48	47	47
65.0	647	652	654	652	647	634	616	597	576	553

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-NF-40-80-FGS.IES

CANDELA TABULATION - (Cont.)

55.0	1463	1460	1459	1460	1463	1445	1414	1381	1343	1299
47.5	1848	1847	1846	1847	1848	1818	1787	1757	1730	1687
42.5	1783	1781	1780	1781	1783	1778	1770	1760	1742	1711
37.5	1929	1931	1929	1931	1929	1947	1955	1950	1925	1884
33.0	2800	2805	2799	2805	2800	2791	2752	2691	2599	2482
29.0	4911	4936	4919	4936	4911	4819	4626	4420	4207	3914
25.5	8277	8311	8280	8311	8277	8109	7801	7399	6798	6251
22.5	14326 *	14471 *	14258 *	14471 *	14326 *	13741	12924	11899	10592	9594
19.5	25531 *	26327 *	26130 *	26327 *	25531 *	23660 *	21870 *	19546 *	16634 *	14445 *
17.0	41450 *	43021 *	42750 *	43021 *	41450 *	38160 *	34153 *	29451 *	24268 *	20121 *
15.0	60144 *	62284 *	61548 *	62284 *	60144 *	55316 *	48157 *	39959 *	33474 *	25908 *
13.0	82827 *	85906 *	85558 *	85906 *	82827 *	75520 *	65718 *	56057 *	44529 *	34341 *
11.0	104436 *	107955 *	107743 *	107955 *	104436 *	96880 *	86247 *	72601 *	58058 *	43120 *
9.0	122327 *	124939 *	124887 *	124939 *	122327 *	115619 *	103124 *	88908 *	70755 *	52997 *
7.0	133300 *	135582 *	135764 *	135582 *	133300 *	125763 *	116512 *	100526 *	82242 *	61614 *
5.0	137053 *	140600 *	141143 *	140600 *	137053 *	131779 *	122221 *	109265 *	90138 *	69341 *
3.0	138196 *	141005 *	141525 *	141005 *	138196 *	133373 *	126047 *	113108 *	95160 *	74419 *
1.0	138119 *	140239 *	140793 *	140239 *	138119 *	133895 *	126176 *	114140 *	97170 *	76305 *
0.0	137970 *	139766 *	140241 *	139766 *	137970 *	133635 *	126437 *	114379 *	97006 *	75656 *
-1.0	138119 *	140239 *	140793 *	140239 *	138119 *	133895 *	126176 *	114140 *	97170 *	76305 *
-3.0	138196 *	141005 *	141525 *	141005 *	138196 *	133373 *	126047 *	113108 *	95160 *	74419 *
-5.0	137053 *	140600 *	141143 *	140600 *	137053 *	131779 *	122221 *	109265 *	90138 *	69341 *
-7.0	133300 *	135582 *	135764 *	135582 *	133300 *	125763 *	116512 *	100526 *	82242 *	61614 *
-9.0	122327 *	124939 *	124887 *	124939 *	122327 *	115619 *	103124 *	88908 *	70755 *	52997 *
-11.0	104436 *	107955 *	107743 *	107955 *	104436 *	96880 *	86247 *	72601 *	58058 *	43120 *
-13.0	82827 *	85906 *	85558 *	85906 *	82827 *	75520 *	65718 *	56057 *	44529 *	34341 *
-15.0	60144 *	62284 *	61548 *	62284 *	60144 *	55316 *	48157 *	39959 *	33474 *	25908 *
-17.0	41450 *	43021 *	42750 *	43021 *	41450 *	38160 *	34153 *	29451 *	24268 *	20121 *
-19.5	25531 *	26327 *	26130 *	26327 *	25531 *	23660 *	21870 *	19546 *	16634 *	14445 *
-22.5	14326 *	14471 *	14258 *	14471 *	14326 *	13741	12924	11899	10592	9594
-25.5	8277	8311	8280	8311	8277	8109	7801	7399	6798	6251
-29.0	4911	4936	4919	4936	4911	4819	4626	4420	4207	3914
-33.0	2800	2805	2799	2805	2800	2791	2752	2691	2599	2482
-37.5	1929	1931	1929	1931	1929	1947	1955	1950	1925	1884
-42.5	1783	1781	1780	1781	1783	1778	1770	1760	1742	1711
-47.5	1848	1847	1846	1847	1848	1818	1787	1757	1730	1687
-55.0	1463	1460	1459	1460	1463	1445	1414	1381	1343	1299
-65.0	647	652	654	652	647	634	616	597	576	553
-75.0	49	49	49	49	49	49	48	48	47	47
-85.0	27	26	26	26	27	27	27	28	28	28
-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	29	29	28	28	28	27	27	26	24	23
75.0	46	45	43	41	39	35	31	28	25	21
65.0	528	501	462	408	366	321	258	167	82	44
55.0	1246	1190	1118	1024	927	807	683	543	379	209
47.5	1644	1607	1542	1440	1363	1224	1057	878	686	455
42.5	1676	1640	1595	1524	1440	1337	1179	1006	806	600
37.5	1828	1778	1693	1585	1501	1391	1256	1092	883	690
33.0	2393	2273	2093	1887	1682	1492	1325	1158	950	747
29.0	3520	3239	2849	2410	2039	1685	1417	1206	997	793
25.5	5519	4746	3968	3136	2473	1939	1541	1255	1028	830

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-NF-40-80-FGS.IES

CANDELA TABULATION - (Cont.)

22.5	8377	6954	5495	4052	2995	2211	1660	1297	1056	854
19.5	11986	9780	7463	5184	3649	2487	1775	1352	1081	870
17.0	15539 *	12518	9098	6244	4160	2731	1884	1393	1097	877
15.0	20098 *	14471 *	10447	7025	4638	2886	1962	1415	1110	887
13.0	24356 *	17671 *	11814	7712	5037	3152	2018	1443	1120	894
11.0	30749 *	20274 *	13173	8237	5381	3351	2086	1467	1128	898
9.0	36179 *	24614 *	15056 *	9078	5768	3485	2158	1493	1132	900
7.0	43329 *	28557 *	16607 *	9653	6027	3635	2223	1510	1131	900
5.0	49160 *	31506 *	17663 *	10038	6208	3763	2260	1519	1127	899
3.0	52780 *	34046 *	19079 *	10184	6241	3811	2276	1526	1134	903
1.0	54296 *	35151 *	19595 *	10162	6206	3834	2290	1534	1133	900
0.0	53462 *	34810 *	19393 *	10041	6158	3821	2289	1533	1132	899
-1.0	54296 *	35151 *	19595 *	10162	6206	3834	2290	1534	1133	900
-3.0	52780 *	34046 *	19079 *	10184	6241	3811	2276	1526	1134	903
-5.0	49160 *	31506 *	17663 *	10038	6208	3763	2260	1519	1127	899
-7.0	43329 *	28557 *	16607 *	9653	6027	3635	2223	1510	1131	900
-9.0	36179 *	24614 *	15056 *	9078	5768	3485	2158	1493	1132	900
-11.0	30749 *	20274 *	13173	8237	5381	3351	2086	1467	1128	898
-13.0	24356 *	17671 *	11814	7712	5037	3152	2018	1443	1120	894
-15.0	20098 *	14471 *	10447	7025	4638	2886	1962	1415	1110	887
-17.0	15539 *	12518	9098	6244	4160	2731	1884	1393	1097	877
-19.5	11986	9780	7463	5184	3649	2487	1775	1352	1081	870
-22.5	8377	6954	5495	4052	2995	2211	1660	1297	1056	854
-25.5	5519	4746	3968	3136	2473	1939	1541	1255	1028	830
-29.0	3520	3239	2849	2410	2039	1685	1417	1206	997	793
-33.0	2393	2273	2093	1887	1682	1492	1325	1158	950	747
-37.5	1828	1778	1693	1585	1501	1391	1256	1092	883	690
-42.5	1676	1640	1595	1524	1440	1337	1179	1006	806	600
-47.5	1644	1607	1542	1440	1363	1224	1057	878	686	455
-55.0	1246	1190	1118	1024	927	807	683	543	379	209
-65.0	528	501	462	408	366	321	258	167	82	44
-75.0	46	45	43	41	39	35	31	28	25	21
-85.0	29	29	28	28	28	27	27	26	24	23
-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	20	12	4	1	0
75.0	18	13	8	3	0
65.0	29	18	10	5	0
55.0	53	27	14	6	0
47.5	130	35	17	7	0
42.5	225	41	19	7	0
37.5	323	46	21	7	0
33.0	401	52	23	7	0
29.0	464	56	25	7	0
25.5	511	59	26	8	0
22.5	545	76	27	8	0
19.5	576	92	28	8	0
17.0	594	102	28	8	0
15.0	606	110	29	8	0
13.0	615	115	29	8	0
11.0	622	120	29	8	0
9.0	626	125	29	8	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-NF-40-80-FGS.IES

CANDELA TABULATION - (Cont.)

7.0	628	129	30	8	0
5.0	631	132	30	8	0
3.0	633	135	30	8	0
1.0	630	135	30	8	0
0.0	628	135	30	8	0
-1.0	630	135	30	8	0
-3.0	633	135	30	8	0
-5.0	631	132	30	8	0
-7.0	628	129	30	8	0
-9.0	626	125	29	8	0
-11.0	622	120	29	8	0
-13.0	615	115	29	8	0
-15.0	606	110	29	8	0
-17.0	594	102	28	8	0
-19.5	576	92	28	8	0
-22.5	545	76	27	8	0
-25.5	511	59	26	8	0
-29.0	464	56	25	7	0
-33.0	401	52	23	7	0
-37.5	323	46	21	7	0
-42.5	225	41	19	7	0
-47.5	130	35	17	7	0
-55.0	53	27	14	6	0
-65.0	29	18	10	5	0
-75.0	18	13	8	3	0
-85.0	20	12	4	1	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-NF-40-80-FGS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 18856.7

Total Field Lumens (one side of beam only) = 15393.88

* 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	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05
75	0.11	0.23	0.23	0.23	0.23	0.23	0.23	0.22	0.22	0.26
65	1.07	2.13	2.10	2.04	1.97	1.90	1.82	1.73	1.64	1.90
55	3.22	6.43	6.36	6.22	6.04	5.85	5.62	5.36	5.07	5.91
47.5	3.78	7.55	7.49	7.34	7.17	6.99	6.77	6.51	6.24	7.40
42.5	2.76	5.52	5.49	5.42	5.33	5.24	5.12	4.96	4.81	5.77
37.5	2.83	5.65	5.65	5.64	5.61	5.53	5.41	5.25	5.07	6.06
33	3.24	6.48	6.47	6.44	6.34	6.19	5.96	5.71	5.45	6.38
29	4.71	9.41	9.31	9.08	8.74	8.35	7.87	7.28	6.69	7.56
25.5	7.05	14.08	13.89	13.44	12.80	11.98	11.04	9.93	8.72	9.37
22.5	10.35	20.72	20.26	19.35	18.11	16.51	14.85	13.19	11.24	11.48
19.5	18.55 *	36.83 *	35.21 *	32.81 *	29.97 *	26.40 *	22.91	19.68	16.29	16.10
17	26.32 *	51.88 *	48.92 *	44.62 *	39.60 *	33.71 *	28.11 *	22.94 *	18.24	17.56
15	31.92 *	62.98 *	59.27 *	53.25 *	45.76 *	38.14 *	30.92 *	24.14 *	18.34 *	16.83
13	44.97 *	88.63 *	83.20 *	74.13 *	63.31 *	52.20 *	41.19 *	30.95 *	22.43 *	19.67
11	58.97 *	116.02 *	109.29 *	98.26 *	84.65 *	69.37 *	53.64 *	39.18 *	27.25 *	22.76 *
9	70.90 *	139.93 *	133.47 *	121.74 *	105.84 *	87.09 *	67.02 *	48.19 *	32.74 *	26.44 *
7	79.38 *	157.12 *	151.02 *	139.66 *	123.39 *	102.72 *	79.73 *	57.37 *	38.85 *	30.68 *
5	84.24 *	166.37 *	160.41 *	150.34 *	135.29 *	114.64 *	90.38 *	66.04 *	44.67 *	34.11 *
3	85.94 *	169.52 *	164.21 *	155.53 *	141.96 *	122.29 *	98.04 *	72.62 *	49.04 *	36.99 *
1	85.83 *	169.73 *	165.17 *	157.37 *	144.63 *	125.86 *	102.21 *	76.19 *	51.61 *	39.01 *
0	42.72 *	84.64 *	82.59 *	78.78 *	72.56 *	63.40 *	51.57 *	38.38 *	26.02 *	19.70 *
-1	42.72 *	84.64 *	82.59 *	78.78 *	72.56 *	63.40 *	51.57 *	38.38 *	26.02 *	19.70 *
	85.83 *	169.73 *	165.17 *	157.37 *	144.63 *	125.86 *	102.21 *	76.19 *	51.61 *	39.01 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-NF-40-80-FGS.IES

LUMENS TABULATION - (Cont.)

-3	85.94 *	169.52 *	164.21 *	155.53 *	141.96 *	122.29 *	98.04 *	72.62 *	49.04 *	36.99 *
-5	84.24 *	166.37 *	160.41 *	150.34 *	135.29 *	114.64 *	90.38 *	66.04 *	44.67 *	34.11 *
-7	79.38 *	157.12 *	151.02 *	139.66 *	123.39 *	102.72 *	79.73 *	57.37 *	38.85 *	30.68 *
-9	70.90 *	139.93 *	133.47 *	121.74 *	105.84 *	87.09 *	67.02 *	48.19 *	32.74 *	26.44 *
-11	58.97 *	116.02 *	109.29 *	98.26 *	84.65 *	69.37 *	53.64 *	39.18 *	27.25 *	22.76 *
-13	44.97 *	88.63 *	83.20 *	74.13 *	63.31 *	52.20 *	41.19 *	30.95 *	22.43 *	19.67
-15	31.92 *	62.98 *	59.27 *	53.25 *	45.76 *	38.14 *	30.92 *	24.14 *	18.34 *	16.83
-17	26.32 *	51.88 *	48.92 *	44.62 *	39.60 *	33.71 *	28.11 *	22.94 *	18.24	17.56
-19.5	18.55 *	36.83 *	35.21 *	32.81 *	29.97 *	26.40 *	22.91	19.68	16.29	16.10
-22.5	10.35	20.72	20.26	19.35	18.11	16.51	14.85	13.19	11.24	11.48
-25.5	7.05	14.08	13.89	13.44	12.80	11.98	11.04	9.93	8.72	9.37
-29	4.71	9.41	9.31	9.08	8.74	8.35	7.87	7.28	6.69	7.56
-33	3.24	6.48	6.47	6.44	6.34	6.19	5.96	5.71	5.45	6.38
-37.5	2.83	5.65	5.65	5.64	5.61	5.53	5.41	5.25	5.07	6.06
-42.5	2.76	5.52	5.49	5.42	5.33	5.24	5.12	4.96	4.81	5.77
-47.5	3.78	7.55	7.49	7.34	7.17	6.99	6.77	6.51	6.24	7.40
-55	3.22	6.43	6.36	6.22	6.04	5.85	5.62	5.36	5.07	5.91
-65	1.07	2.13	2.10	2.04	1.97	1.90	1.82	1.73	1.64	1.90
-75	0.11	0.23	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.26
-85	0.02	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05
-90										
Total	1337.73	2643.81	2540.12	2363.47	2118.71	1809.25	1460.87	1111.72	801.33	683.95

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.06	0.06	0.07	0.07	0.07	0.07	0.06	0.08	0.06	0.02
85	0.30	0.28	0.31	0.31	0.31	0.30	0.25	0.29	0.24	0.10
75	2.03	1.78	1.80	1.68	1.35	0.88	0.46	0.40	0.30	0.13
65	6.42	5.69	5.74	5.40	4.62	3.41	1.92	1.20	0.48	0.18
55	8.20	7.44	7.68	7.38	6.63	5.44	3.49	2.27	0.70	0.18

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-NF-40-80-FGS.IES

LUMENS TABULATION - (Cont.)

47.5										
	6.51	6.02	6.35	6.26	5.76	4.92	3.43	2.52	0.82	0.15
42.5	6.82	6.31	6.72	6.74	6.34	5.52	4.01	3.28	1.21	0.17
37.5	6.97	6.25	6.47	6.42	6.08	5.36	3.96	3.47	1.41	0.17
33	7.88	6.69	6.54	6.18	5.71	5.03	3.75	3.44	1.48	0.16
29	9.23	7.35	6.75	6.01	5.31	4.58	3.44	3.25	1.45	0.15
25.5	10.65	7.92	6.84	5.76	4.83	4.06	3.04	2.94	1.36	0.15
22.5	14.20	9.94	8.06	6.37	5.11	4.19	3.12	3.05	1.47	0.17
19.5	14.92	10.04	7.72	5.79	4.48	3.59	2.64	2.61	1.30	0.16
17	14.00	9.21	6.83	4.94	3.72	2.92	2.14	2.12	1.07	0.14
15	15.78	10.19	7.45	5.23	3.83	2.97	2.16	2.14	1.10	0.15
13	17.46	11.00	8.02	5.54	3.92	3.01	2.17	2.16	1.12	0.15
11	19.43	11.88	8.52	5.78	4.03	3.04	2.18	2.18	1.14	0.16
9	21.49	12.74	8.96	6.00	4.13	3.07	2.19	2.18	1.15	0.16
7	23.02	13.33	9.30	6.20	4.20	3.08	2.18	2.18	1.16	0.17
5	24.30 *	13.64	9.49	6.32	4.24	3.09	2.19	2.19	1.16	0.17
3	25.17 *	13.69	9.52	6.38	4.27	3.11	2.19	2.19	1.17	0.17
1	12.62 *	6.80	4.74	3.19	2.14	1.55	1.09	1.09	0.58	0.09
0	12.62 *	6.80	4.74	3.19	2.14	1.55	1.09	1.09	0.58	0.09
-1	25.17 *	13.69	9.52	6.38	4.27	3.11	2.19	2.19	1.17	0.17
-3	24.30 *	13.64	9.49	6.32	4.24	3.09	2.19	2.19	1.16	0.17
-5	23.02	13.33	9.30	6.20	4.20	3.08	2.18	2.18	1.16	0.17
-7	21.49	12.74	8.96	6.00	4.13	3.07	2.19	2.18	1.15	0.16
-9	19.43	11.88	8.52	5.78	4.03	3.04	2.18	2.18	1.14	0.16
-11	17.46	11.00	8.02	5.54	3.92	3.01	2.17	2.16	1.12	0.15
-13	15.78	10.19	7.45	5.23	3.83	2.97	2.16	2.14	1.10	0.15
-15	14.00	9.21	6.83	4.94	3.72	2.92	2.14	2.12	1.07	0.14
-17	14.92	10.04	7.72	5.79	4.48	3.59	2.64	2.61	1.30	0.16
-19.5	14.20	9.94	8.06	6.37	5.11	4.19	3.12	3.05	1.47	0.17

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-NF-40-80-FGS.IES

LUMENS TABULATION - (Cont.)

-22.5	10.65	7.92	6.84	5.76	4.83	4.06	3.04	2.94	1.36	0.15
-25.5	9.23	7.35	6.75	6.01	5.31	4.58	3.44	3.25	1.45	0.15
-29	7.88	6.69	6.54	6.18	5.71	5.03	3.75	3.44	1.48	0.16
-33	6.97	6.25	6.47	6.42	6.08	5.36	3.96	3.47	1.41	0.17
-37.5	6.82	6.31	6.72	6.74	6.34	5.52	4.01	3.28	1.21	0.17
-42.5	6.51	6.02	6.35	6.26	5.76	4.92	3.43	2.52	0.82	0.15
-47.5	8.20	7.44	7.68	7.38	6.63	5.44	3.49	2.27	0.70	0.18
-55	6.42	5.69	5.74	5.40	4.62	3.41	1.92	1.20	0.48	0.18
-65	2.03	1.78	1.80	1.68	1.35	0.88	0.46	0.40	0.30	0.13
-75	0.30	0.28	0.31	0.31	0.31	0.30	0.25	0.29	0.24	0.10
-85	0.06	0.06	0.07	0.07	0.07	0.07	0.06	0.08	0.06	0.02
-90										
Total	534.91	356.49	287.71	227.96	182.21	146.40	104.16	94.46	43.83	6.47

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.00	0.00		1.03
85				
	0.02	0.00		4.90
75				
	0.03	0.00		29.16
65				
	0.05	0.00		91.19
55				
	0.04	0.00		116.70
47.5				
	0.03	0.00		93.20
42.5				
	0.04	0.00		99.84
37.5				
	0.03	0.00		105.25
33				
	0.03	0.00		125.89
29				
	0.03	0.00		159.84
25.5				
	0.03	0.00		203.63
22.5				
	0.03	0.00		310.46
19.5				
	0.02	0.00		385.15
17				
	0.02	0.00		428.67

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-NF-40-80-FGS.IES

LUMENS TABULATION - (Cont.)

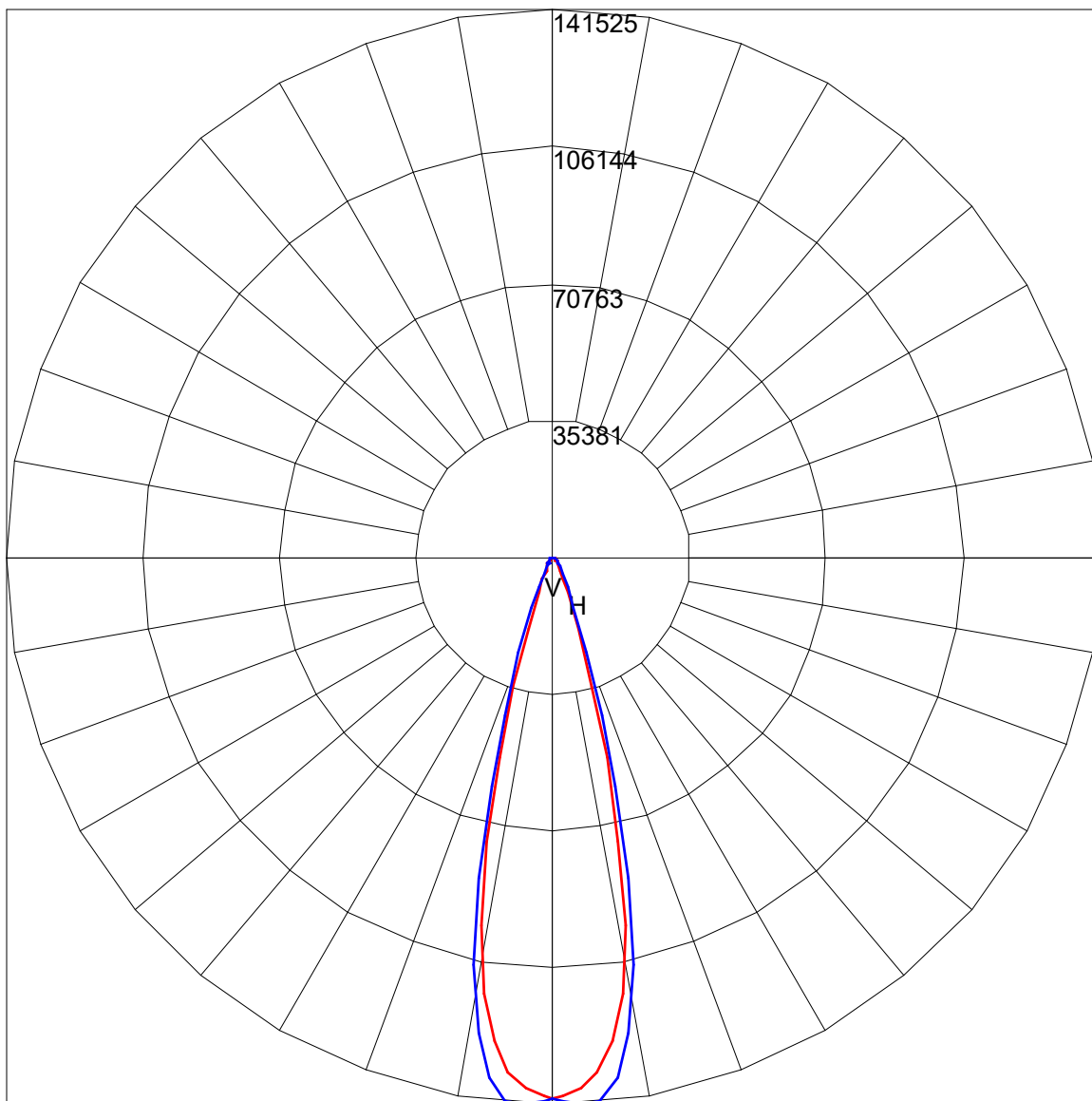
15			
	0.02	0.00	571.70
13			
	0.02	0.00	733.96
11			
	0.02	0.00	891.72
9			
	0.02	0.00	1022.02
7			
	0.02	0.00	1111.33
5			
	0.02	0.00	1162.95
3			
	0.02	0.00	1185.49
1			
	0.01	0.00	594.28
0			
	0.01	0.00	594.28
-1			
	0.02	0.00	1185.49
-3			
	0.02	0.00	1162.95
-5			
	0.02	0.00	1111.33
-7			
	0.02	0.00	1022.02
-9			
	0.02	0.00	891.72
-11			
	0.02	0.00	733.96
-13			
	0.02	0.00	571.70
-15			
	0.02	0.00	428.67
-17			
	0.02	0.00	385.15
-19.5			
	0.03	0.00	310.46
-22.5			
	0.03	0.00	203.63
-25.5			
	0.03	0.00	159.84
-29			
	0.03	0.00	125.89
-33			
	0.03	0.00	105.25
-37.5			
	0.04	0.00	99.84
-42.5			
	0.03	0.00	93.20
-47.5			
	0.04	0.00	116.70
-55			
	0.05	0.00	91.19
-65			
	0.03	0.00	29.16

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-NF-40-80-FGS.IES

LUMENS TABULATION - (Cont.)

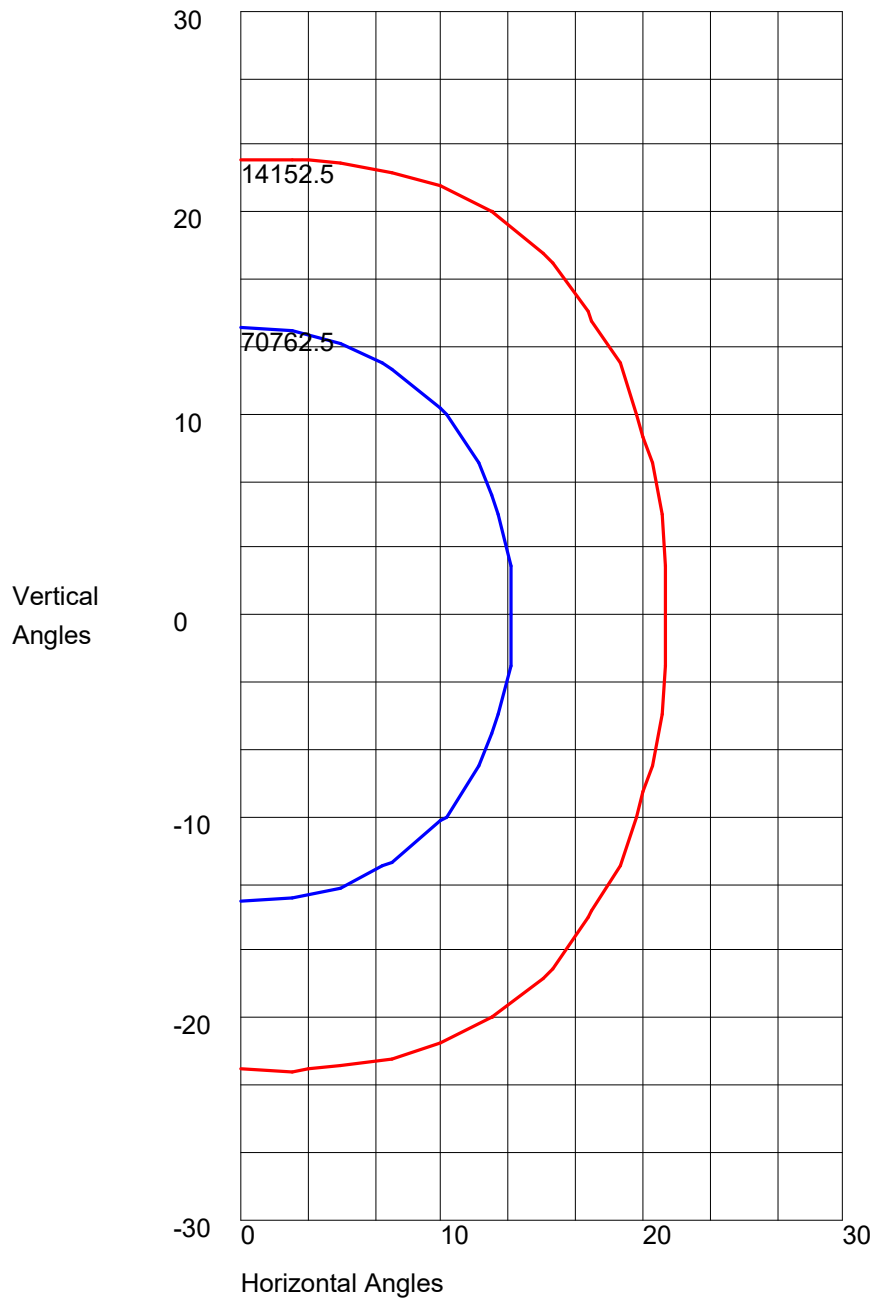
-75	0.02	0.00	4.90
-85	0.00	0.00	1.03
-90			
Total	1.12	0.03	18856.74

AXIAL CANDELA DISPLAY



Maximum Candela = 141525 Located At Horizontal Angle = 0, Vertical Angle = -3
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 141525 Located At Horizontal Angle = 0, Vertical Angle = -3
50% Maximum Candela = 70762.5
10% Maximum Candela = 14152.5