



IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-NF-50-80-HGS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12615
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 04/01/21
[TESTDATE] 03/17/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] PFL-LED-42L-PC-NF-50-80-HGS
[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	142435
Maximum Candela Angle	0H -5V
Horizontal Beam Angle (50%)	26.0
Vertical Beam Angle (50%)	28.4
Horizontal Field Angle (10%)	41.8
Vertical Field Angle (10%)	45.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	20209
Beam Efficiency	N.A.
Field Lumens	30097
Field Efficiency	N.A.
Spill Lumens	8196
Luminaire Lumens	38293
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	10	85	52
75	88	75	642
65	458	65	1432
55	866	55	2144
47.5	1106	47.5	2165
42.5	1310	42.5	2216
37.5	1687	37.5	2349
33	2429	33	3229
29	3957	29	5216
25.5	6343	25.5	8665
22.5	10251	22.5	14145
19.5	20243	19.5	24128
17	35906	17	38318
15	53364	15	55930
13	74916	13	77329
11	95059	11	98430
9	111196	9	115781
7	122219	7	127473
5	128501	5	133134
3	133253	3	135023
1	135300	1	135722
0	135873	0	135873
-1	135300	-1	137271
-3	133253	-3	139981
-5	128501	-5	142435
-7	122219	-7	138566
-9	111196	-9	129648
-11	95059	-11	114538
-13	74916	-13	93625
-15	53364	-15	68834
-17	35906	-17	47661
-19.5	20243	-19.5	28131
-22.5	10251	-22.5	14332
-25.5	6343	-25.5	8354
-29	3957	-29	4851
-33	2429	-33	2762
-37.5	1687	-37.5	1898
-42.5	1310	-42.5	1731
-47.5	1106	-47.5	1779
-55	866	-55	1403
-65	458	-65	601
-75	88	-75	22
-85	10	-85	18
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 142435

Beam Edge = 71217.5 Cd (50% of Max.)

Field Edge = 14243.5 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	7	19	30	36	42	50	55	55
75.0	0	4	14	26	70	157	247	348	426	458
65.0	0	7	18	64	248	464	612	769	916	1001
55.0	0	8	28	159	476	771	995	1216	1434	1609
47.5	0	9	39	240	651	1032	1319	1524	1713	1859
42.5	0	9	51	292	766	1177	1466	1665	1858	1986
37.5	0	10	61	340	831	1251	1521	1721	1867	1981
33.0	0	10	68	380	872	1252	1492	1693	1826	1994
29.0	0	10	77	411	895	1234	1442	1635	1831	2106
25.5	0	10	83	437	900	1216	1394	1599	1878	2287
22.5	0	10	87	448	896	1188	1369	1574	1927	2480
19.5	0	10	89	459	902	1157	1349	1579	1970	2681
17.0	0	10	91	465	903	1129	1335	1596	2041	2864
15.0	0	10	92	468	901	1129	1327	1604	2114	2985
13.0	0	10	93	469	899	1128	1328	1623	2165	3238
11.0	0	10	93	469	894	1126	1331	1641	2226	3419
9.0	0	10	93	470	888	1123	1330	1662	2295	3529
7.0	0	10	92	470	881	1118	1326	1675	2362	3694
5.0	0	10	93	469	879	1114	1318	1680	2404	3848
3.0	0	10	91	467	876	1115	1320	1684	2425	3917
1.0	0	10	89	461	870	1109	1313	1689	2433	3959
0.0	0	10	88	458	866	1106	1310	1687	2429	3957
-1.0	0	10	87	456	865	1104	1310	1692	2439	3977
-3.0	0	10	86	453	863	1100	1311	1692	2443	3970
-5.0	0	10	85	444	857	1089	1303	1689	2426	3920
-7.0	0	10	82	436	850	1087	1306	1679	2385	3785
-9.0	0	10	80	426	847	1086	1305	1660	2319	3624
-11.0	0	10	78	415	841	1082	1300	1630	2240	3484
-13.0	0	10	75	404	834	1077	1291	1599	2163	3276
-15.0	0	10	72	392	824	1069	1278	1562	2097	2999
-17.0	0	9	69	377	812	1059	1265	1539	2009	2858
-19.5	0	9	64	357	794	1049	1247	1499	1893	2637
-22.5	0	9	59	330	765	1031	1221	1443	1774	2353
-25.5	0	9	52	303	729	1007	1190	1398	1651	2037
-29.0	0	9	45	266	682	965	1157	1347	1527	1776
-33.0	0	8	36	223	617	909	1116	1299	1427	1565
-37.5	0	8	30	178	535	843	1042	1232	1359	1458
-42.5	0	7	24	133	436	755	950	1136	1280	1416
-47.5	0	7	19	91	328	628	829	1050	1176	1315
-55.0	0	6	14	41	173	364	516	663	793	900
-65.0	0	4	9	16	32	83	150	234	311	362
-75.0	0	3	7	8	11	13	15	17	18	22
-85.0	0	1	4	8	18	19	20	21	21	21
-90.0	0	0	0	0	0	0	0	0	0	0

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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	55	55	56	57	57	57	57	57	56	56
75.0	492	527	560	583	600	613	625	636	644	656
65.0	1070	1120	1193	1251	1295	1333	1358	1382	1405	1426
55.0	1704	1793	1883	1946	1992	2035	2065	2089	2112	2132
47.5	1943	2016	2059	2093	2116	2132	2140	2147	2154	2161
42.5	2097	2139	2178	2219	2221	2220	2217	2214	2213	2212
37.5	2082	2167	2259	2333	2365	2389	2397	2392	2391	2381
33.0	2189	2415	2642	2804	2907	2973	3066	3143	3202	3237
29.0	2500	2905	3389	3759	4002	4362	4621	4776	4935	5136
25.5	2859	3563	4444	5340	6071	6770	7318	7871	8230	8544
22.5	3270	4359	5837	7355	8789	9963	11065	12216	12819	13250
19.5	3777	5341	7576	9855	11967	14344 *	16455 *	19157 *	20824 *	21978 *
17.0	4243	6343	9204	12356	15159 *	19279 *	22977 *	27707 *	31785 *	34732 *
15.0	4717	7139	10567	14243	19199 *	24280 *	30822 *	36623 *	44191 *	49768 *
13.0	5124	7811	11857	17455 *	23349 *	31599 *	40288 *	49863 *	59155 *	67983 *
11.0	5455	8275	13139	20111 *	29478 *	39950 *	52248 *	64976 *	77733 *	87633 *
9.0	5791	9026	14984 *	24002 *	34383 *	49778 *	65045 *	80306 *	94197 *	105629 *
7.0	5997	9502	16417 *	27443 *	41215 *	58282 *	76913 *	93238 *	108252 *	116777 *
5.0	6175	9897	17415 *	29992 *	46219 *	65388 *	85378 *	102807 *	114670 *	123895 *
3.0	6214	10134	19019 *	33155 *	50014 *	70083 *	89558 *	107175 *	119591 *	125986 *
1.0	6301	10271	20041 *	35400 *	53008 *	73998 *	93991 *	110180 *	121438 *	128208 *
0.0	6343	10251	20243 *	35906 *	53364 *	74916 *	95059 *	111196 *	122219 *	128501 *
-1.0	6330	10216	19897 *	35328 *	53043 *	75063 *	95494 *	111889 *	123211 *	129967 *
-3.0	6290	10102	19099 *	34067 *	52620 *	74500 *	95146 *	112727 *	124865 *	131541 *
-5.0	6274	10010	17912 *	31862 *	50246 *	70969 *	92123 *	110626 *	122857 *	131782 *
-7.0	6118	9719	17205 *	29852 *	45404 *	64372 *	85359 *	103127 *	118126 *	127516 *
-9.0	5912	9302	15863 *	26055 *	37689 *	55807 *	73986 *	91686 *	106850 *	119088 *
-11.0	5541	8552	13748	21189 *	31628 *	44680 *	60462 *	76488 *	91750 *	103067 *
-13.0	5188	7930	12227	18230 *	24916 *	35284 *	46903 *	60343 *	71811 *	81857 *
-15.0	4801	7199	10617	14631 *	20219 *	26384 *	35289 *	43391 *	53089 *	59811 *
-17.0	4349	6436	9183	12491	15390 *	20269 *	24800 *	31307 *	36792 *	40377 *
-19.5	3826	5401	7590	9827	11989	14438 *	16677 *	20075 *	22456 *	24044 *
-22.5	3131	4212	5676	7059	8441	9656	10712	11903	12726	13356
-25.5	2587	3227	4074	4873	5582	6245	6747	7349	7700	7973
-29.0	2130	2476	2901	3283	3552	3906	4177	4385	4590	4771
-33.0	1743	1927	2111	2292	2412	2496	2605	2689	2746	2778
-37.5	1542	1614	1713	1788	1829	1877	1908	1924	1930	1927
-42.5	1497	1556	1607	1644	1673	1700	1721	1730	1731	1730
-47.5	1423	1485	1566	1620	1648	1679	1711	1720	1736	1754
-55.0	990	1060	1132	1195	1241	1284	1318	1347	1373	1395
-65.0	399	430	475	505	526	545	563	578	590	600
-75.0	22	22	23	23	23	23	24	24	24	24
-85.0	21	21	21	22	22	21	21	20	20	19
-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	54	53	52	53	54	56	56	57	57	57
75.0	651	645	642	645	651	656	644	636	625	613
65.0	1435	1433	1432	1433	1435	1426	1405	1382	1358	1333

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CANDELA TABULATION - (Cont.)

55.0	2145	2144	2144	2144	2145	2132	2112	2089	2065	2035
47.5	2166	2165	2165	2165	2166	2161	2154	2147	2140	2132
42.5	2215	2216	2216	2216	2215	2212	2213	2214	2217	2220
37.5	2365	2356	2349	2356	2365	2381	2391	2392	2397	2389
33.0	3241	3239	3229	3239	3241	3237	3202	3143	3066	2973
29.0	5230	5243	5216	5243	5230	5136	4935	4776	4621	4362
25.5	8725	8729	8665	8729	8725	8544	8230	7871	7318	6770
22.5	13670	14025	14145	14025	13670	13250	12819	12216	11065	9963
19.5	23574 *	24238 *	24128 *	24238 *	23574 *	21978 *	20824 *	19157 *	16455 *	14344 *
17.0	37107 *	38217 *	38318 *	38217 *	37107 *	34732 *	31785 *	27707 *	22977 *	19279 *
15.0	53121 *	54759 *	55930 *	54759 *	53121 *	49768 *	44191 *	36623 *	30822 *	24280 *
13.0	73569 *	75392 *	77329 *	75392 *	73569 *	67983 *	59155 *	49863 *	40288 *	31599 *
11.0	94320 *	96953 *	98430 *	96954 *	94320 *	87633 *	77733 *	64976 *	52248 *	39950 *
9.0	112162 *	115175 *	115781 *	115175 *	112162 *	105629 *	94197 *	80306 *	65045 *	49778 *
7.0	124141 *	127239 *	127473 *	127239 *	124141 *	116777 *	108252 *	93238 *	76913 *	58282 *
5.0	128823 *	132883 *	133134 *	132883 *	128823 *	123895 *	114670 *	102807 *	85378 *	65388 *
3.0	131278 *	134571 *	135023 *	134571 *	131278 *	125986 *	119591 *	107175 *	89558 *	70083 *
1.0	132735 *	135203 *	135722 *	135203 *	132735 *	128208 *	121438 *	110180 *	93991 *	73998 *
0.0	133253 *	135300 *	135873 *	135300 *	133253 *	128501 *	122219 *	111196 *	95059 *	74916 *
-1.0	134410 *	136597 *	137271 *	136597 *	134410 *	129967 *	123211 *	111889 *	95494 *	75063 *
-3.0	136540 *	139396 *	139981 *	139396 *	136540 *	131541 *	124865 *	112727 *	95146 *	74500 *
-5.0	137270 *	141782 *	142435 *	141782 *	137270 *	131782 *	122857 *	110626 *	92123 *	70969 *
-7.0	134652 *	138026 *	138566 *	138026 *	134652 *	127516 *	118126 *	103127 *	85359 *	64372 *
-9.0	125868 *	129162 *	129648 *	129162 *	125868 *	119088 *	106850 *	91686 *	73986 *	55807 *
-11.0	110297 *	114040 *	114538 *	114040 *	110297 *	103067 *	91750 *	76488 *	60462 *	44680 *
-13.0	89112 *	93123 *	93625 *	93123 *	89112 *	81857 *	71811 *	60343 *	46903 *	35284 *
-15.0	64906 *	68744 *	68834 *	68744 *	64906 *	59811 *	53089 *	43391 *	35289 *	26384 *
-17.0	43950 *	46345 *	47661 *	46345 *	43950 *	40377 *	36792 *	31307 *	24800 *	20269 *
-19.5	26018 *	27133 *	28131 *	27133 *	26018 *	24044 *	22456 *	20075 *	16677 *	14438 *
-22.5	13760	14304 *	14332 *	14304 *	13760	13356	12726	11903	10712	9656
-25.5	8116	8200	8354	8200	8116	7973	7700	7349	6747	6245
-29.0	4854	4836	4851	4836	4854	4771	4590	4385	4177	3906
-33.0	2779	2758	2762	2758	2779	2778	2746	2689	2605	2496
-37.5	1915	1898	1898	1898	1915	1927	1930	1924	1908	1877
-42.5	1728	1729	1731	1729	1728	1730	1731	1730	1721	1700
-47.5	1776	1776	1779	1776	1776	1754	1736	1720	1711	1679
-55.0	1406	1403	1403	1403	1406	1395	1373	1347	1318	1284
-65.0	604	602	601	602	604	600	590	578	563	545
-75.0	22	22	22	22	22	24	24	24	24	23
-85.0	18	18	18	18	18	19	20	20	21	21
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles **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	57	57	56	55	55	55	55	50	42	36
75.0	600	583	560	527	492	458	426	348	247	157
65.0	1295	1251	1193	1120	1070	1001	916	769	612	464
55.0	1992	1946	1883	1793	1704	1609	1434	1216	995	771
47.5	2116	2093	2059	2016	1943	1859	1713	1524	1319	1032
42.5	2221	2219	2178	2139	2097	1986	1858	1665	1466	1177
37.5	2365	2333	2259	2167	2082	1981	1867	1721	1521	1251
33.0	2907	2804	2642	2415	2189	1994	1826	1693	1492	1252
29.0	4002	3759	3389	2905	2500	2106	1831	1635	1442	1234
25.5	6071	5340	4444	3563	2859	2287	1878	1599	1394	1216

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CANDELA TABULATION - (Cont.)

22.5	8789	7355	5837	4359	3270	2480	1927	1574	1369	1188
19.5	11967	9855	7576	5341	3777	2681	1970	1579	1349	1157
17.0	15159 *	12356	9204	6343	4243	2864	2041	1596	1335	1129
15.0	19199 *	14243	10567	7139	4717	2985	2114	1604	1327	1129
13.0	23349 *	17455 *	11857	7811	5124	3238	2165	1623	1328	1128
11.0	29478 *	20111 *	13139	8275	5455	3419	2226	1641	1331	1126
9.0	34383 *	24002 *	14984 *	9026	5791	3529	2295	1662	1330	1123
7.0	41215 *	27443 *	16417 *	9502	5997	3694	2362	1675	1326	1118
5.0	46219 *	29992 *	17415 *	9897	6175	3848	2404	1680	1318	1114
3.0	50014 *	33155 *	19019 *	10134	6214	3917	2425	1684	1320	1115
1.0	53008 *	35400 *	20041 *	10271	6301	3959	2433	1689	1313	1109
0.0	53364 *	35906 *	20243 *	10251	6343	3957	2429	1687	1310	1106
-1.0	53043 *	35328 *	19897 *	10216	6330	3977	2439	1692	1310	1104
-3.0	52620 *	34067 *	19099 *	10102	6290	3970	2443	1692	1311	1100
-5.0	50246 *	31862 *	17912 *	10010	6274	3920	2426	1689	1303	1089
-7.0	45404 *	29852 *	17205 *	9719	6118	3785	2385	1679	1306	1087
-9.0	37689 *	26055 *	15863 *	9302	5912	3624	2319	1660	1305	1086
-11.0	31628 *	21189 *	13748	8552	5541	3484	2240	1630	1300	1082
-13.0	24916 *	18230 *	12227	7930	5188	3276	2163	1599	1291	1077
-15.0	20219 *	14631 *	10617	7199	4801	2999	2097	1562	1278	1069
-17.0	15390 *	12491	9183	6436	4349	2858	2009	1539	1265	1059
-19.5	11989	9827	7590	5401	3826	2637	1893	1499	1247	1049
-22.5	8441	7059	5676	4212	3131	2353	1774	1443	1221	1031
-25.5	5582	4873	4074	3227	2587	2037	1651	1398	1190	1007
-29.0	3552	3283	2901	2476	2130	1776	1527	1347	1157	965
-33.0	2412	2292	2111	1927	1743	1565	1427	1299	1116	909
-37.5	1829	1788	1713	1614	1542	1458	1359	1232	1042	843
-42.5	1673	1644	1607	1556	1497	1416	1280	1136	950	755
-47.5	1648	1620	1566	1485	1423	1315	1176	1050	829	628
-55.0	1241	1195	1132	1060	990	900	793	663	516	364
-65.0	526	505	475	430	399	362	311	234	150	83
-75.0	23	23	23	22	22	22	18	17	15	13
-85.0	22	22	21	21	21	21	21	21	20	19
-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	30	19	7	1	0
75.0	70	26	14	4	0
65.0	248	64	18	7	0
55.0	476	159	28	8	0
47.5	651	240	39	9	0
42.5	766	292	51	9	0
37.5	831	340	61	10	0
33.0	872	380	68	10	0
29.0	895	411	77	10	0
25.5	900	437	83	10	0
22.5	896	448	87	10	0
19.5	902	459	89	10	0
17.0	903	465	91	10	0
15.0	901	468	92	10	0
13.0	899	469	93	10	0
11.0	894	469	93	10	0
9.0	888	470	93	10	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-NF-50-80-HGS.IES

CANDELA TABULATION - (Cont.)

7.0	881	470	92	10	0
5.0	879	469	93	10	0
3.0	876	467	91	10	0
1.0	870	461	89	10	0
0.0	866	458	88	10	0
-1.0	865	456	87	10	0
-3.0	863	453	86	10	0
-5.0	857	444	85	10	0
-7.0	850	436	82	10	0
-9.0	847	426	80	10	0
-11.0	841	415	78	10	0
-13.0	834	404	75	10	0
-15.0	824	392	72	10	0
-17.0	812	377	69	9	0
-19.5	794	357	64	9	0
-22.5	765	330	59	9	0
-25.5	729	303	52	9	0
-29.0	682	266	45	9	0
-33.0	617	223	36	8	0
-37.5	535	178	30	8	0
-42.5	436	133	24	7	0
-47.5	328	91	19	7	0
-55.0	173	41	14	6	0
-65.0	32	16	9	4	0
-75.0	11	8	7	3	0
-85.0	18	8	4	1	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-NF-50-80-HGS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 19146.66

Total Field Lumens (one side of beam only) = 15048.55

* 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	0.04	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.10
75	1.06	2.14	2.15	2.14	2.10	2.06	2.01	1.96	1.90	2.27
65	3.16	6.34	6.33	6.26	6.13	6.00	5.85	5.68	5.46	6.49
55	5.45	10.89	10.84	10.72	10.54	10.34	10.12	9.83	9.49	11.34
47.5	4.92	9.84	9.80	9.72	9.62	9.50	9.35	9.17	8.95	10.82
42.5	3.34	6.67	6.65	6.62	6.58	6.54	6.49	6.42	6.33	7.73
37.5	3.48	6.97	6.97	6.97	6.95	6.91	6.87	6.79	6.69	8.13
33	3.83	7.67	7.67	7.64	7.55	7.42	7.26	7.07	6.86	8.17
29	5.16	10.32	10.24	10.00	9.69	9.36	8.95	8.42	7.89	9.11
25.5	7.42	14.88	14.70	14.23	13.63	12.91	12.03	10.97	9.82	10.71
22.5	10.41	20.62	20.14	19.47	18.61	17.31	15.69	14.01	12.10	12.46
19.5	17.48 *	34.48 *	33.03 *	31.29 *	29.42 *	26.50 *	23.16	19.98	16.67	16.61
17	23.78 *	46.86 *	44.59 *	41.40 *	37.51 *	32.36 *	27.21 *	22.44 *	18.06	17.62
15	28.51 *	55.77 *	53.09 *	48.61 *	42.32 *	35.44 *	29.01 *	23.03 *	17.85 *	16.77
13	40.12 *	78.19 *	74.28 *	66.98 *	57.26 *	47.27 *	37.84 *	29.09 *	21.74 *	19.57
11	53.02 *	103.57 *	98.30 *	88.61 *	75.93 *	62.21 *	48.89 *	36.76 *	26.47 *	22.62 *
9	64.93 *	127.43 *	121.47 *	110.63 *	95.68 *	78.77 *	61.68 *	45.39 *	31.62 *	26.12 *
7	73.97 *	145.73 *	139.38 *	128.70 *	113.41 *	94.64 *	74.49 *	54.28 *	37.20 *	29.96 *
5	79.31 *	156.19 *	150.00 *	140.44 *	126.38 *	107.49 *	85.20 *	62.39 *	42.42 *	33.00 *
3	81.57 *	160.60 *	154.96 *	146.66 *	134.00 *	115.47 *	92.48 *	68.48 *	46.67 *	36.01 *
1	82.32 *	162.49 *	157.46 *	150.02 *	138.27 *	120.26 *	97.62 *	73.03 *	50.24 *	38.91 *
0	41.28 *	81.66 *	79.41 *	75.79 *	70.14 *	61.56 *	50.35 *	37.73 *	26.01 *	20.17 *
-1	41.51 *	82.13 *	79.94 *	76.32 *	70.66 *	62.04 *	50.73 *	37.89 *	26.01 *	20.14 *
	84.26 *	166.50 *	161.79 *	154.37 *	142.58 *	124.57 *	101.36 *	75.43 *	51.26 *	39.19 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-NF-50-80-HGS.IES

LUMENS TABULATION - (Cont.)

-3	85.84 *	168.95 *	163.21 *	154.81 *	142.09 *	123.18 *	99.14 *	73.40 *	49.42 *	37.22 *
-5	85.41 *	167.96 *	161.42 *	151.55 *	137.17 *	117.36 *	93.20 *	68.27 *	46.08 *	35.01 *
-7	81.54 *	160.64 *	154.09 *	142.86 *	126.62 *	106.24 *	83.28 *	60.08 *	40.70 *	32.17 *
-9	74.23 *	145.93 *	139.27 *	127.46 *	110.63 *	90.78 *	70.00 *	50.19 *	34.13 *	27.79 *
-11	63.25 *	123.77 *	116.78 *	105.57 *	90.61 *	73.25 *	55.81 *	40.35 *	28.10 *	23.65 *
-13	49.40 *	96.16 *	89.85 *	80.75 *	68.96 *	55.77 *	42.86 *	31.57 *	22.84 *	20.14
-15	35.27 *	68.17 *	63.52 *	57.58 *	49.64 *	40.43 *	31.80 *	24.31 *	18.37 *	16.97
-17	28.42 *	54.58 *	51.04 *	46.83 *	41.71 *	34.82 *	28.37 *	22.94 *	18.19	17.67
-19.5	19.17 *	37.08 *	35.18 *	32.98 *	30.39 *	26.71 *	23.01	19.74	16.39	16.35
-22.5	10.32	20.27	19.69	18.97	17.95	16.52	14.91	13.27	11.40	11.76
-25.5	6.99	13.85	13.67	13.27	12.68	11.89	10.99	9.97	8.86	9.57
-29	4.63	9.27	9.23	9.02	8.69	8.31	7.86	7.31	6.76	7.66
-33	3.19	6.40	6.43	6.39	6.30	6.16	5.96	5.73	5.48	6.43
-37.5	2.76	5.53	5.55	5.54	5.52	5.46	5.37	5.23	5.08	6.10
-42.5	2.67	5.33	5.31	5.26	5.22	5.16	5.07	4.95	4.82	5.82
-47.5	3.63	7.26	7.21	7.11	6.99	6.86	6.69	6.49	6.26	7.48
-55	3.05	6.11	6.08	6.00	5.86	5.71	5.53	5.31	5.08	5.98
-65	0.95	1.90	1.90	1.88	1.83	1.78	1.72	1.65	1.58	1.85
-75	0.06	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.16
-85	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04
-90										
Total	1321.13	2597.33	2492.87	2327.67	2094.08	1793.57	1456.47	1117.24	817.46	713.85

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.12	0.11	0.13	0.14	0.15	0.13	0.10	0.12	0.09	0.03
85	2.55	2.36	2.51	2.59	2.46	2.00	1.30	1.05	0.55	0.17
75	7.25	6.70	7.16	7.31	6.88	5.76	3.98	3.35	1.55	0.32
65	12.77	11.87	12.76	12.95	12.13	10.47	7.65	7.00	3.60	0.70
55	12.40	11.67	12.64	12.95	12.35	11.05	8.31	7.85	4.35	0.91

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5										
	8.95	8.55	9.34	9.68	9.46	8.71	6.72	6.48	3.71	0.81
42.5										
	9.32	8.85	9.65	10.04	9.95	9.29	7.29	7.19	4.24	0.97
37.5										
	9.10	8.31	8.79	9.01	8.95	8.43	6.68	6.76	4.15	0.99
33										
	9.68	8.36	8.33	8.10	7.82	7.30	5.84	6.08	3.89	0.97
29										
	10.67	8.64	8.09	7.40	6.80	6.19	4.98	5.31	3.52	0.92
25.5										
	11.65	8.80	7.74	6.71	5.86	5.19	4.17	4.50	3.06	0.82
22.5										
	14.79	10.48	8.68	7.09	5.92	5.14	4.09	4.44	3.09	0.85
19.5										
	15.18	10.28	8.03	6.24	5.03	4.27	3.34	3.65	2.59	0.72
17										
	14.18	9.37	7.02	5.22	4.12	3.42	2.65	2.90	2.08	0.58
15										
	15.94	10.35	7.61	5.48	4.20	3.43	2.64	2.90	2.08	0.58
13										
	17.52	11.13	8.17	5.77	4.28	3.45	2.64	2.89	2.08	0.58
11										
	19.37	11.91	8.62	5.99	4.38	3.48	2.64	2.88	2.07	0.59
9										
	21.30	12.65	9.01	6.20	4.47	3.50	2.64	2.87	2.06	0.59
7										
	22.70	13.18	9.34	6.43	4.54	3.50	2.62	2.85	2.05	0.58
5										
	24.08	13.53	9.55	6.58	4.58	3.50	2.62	2.85	2.05	0.58
3										
	25.36 *	13.74	9.66	6.65	4.61	3.50	2.61	2.84	2.03	0.58
1										
	12.97 *	6.92	4.87	3.34	2.30	1.75	1.30	1.41	1.01	0.29
0										
	12.93 *	6.92	4.88	3.34	2.31	1.75	1.30	1.41	1.01	0.28
-1										
	25.30 *	13.75	9.75	6.70	4.63	3.50	2.60	2.81	2.01	0.56
-3										
	24.36 *	13.64	9.69	6.66	4.62	3.50	2.59	2.79	1.99	0.56
-5										
	23.39	13.41	9.52	6.53	4.58	3.49	2.58	2.77	1.97	0.54
-7										
	22.22	12.96	9.21	6.32	4.50	3.47	2.58	2.77	1.95	0.53
-9										
	20.25	12.23	8.80	6.09	4.39	3.44	2.57	2.76	1.92	0.52
-11										
	18.11	11.36	8.29	5.83	4.27	3.39	2.56	2.74	1.90	0.51
-13										
	16.20	10.48	7.71	5.50	4.15	3.34	2.54	2.72	1.87	0.49
-15										
	14.26	9.51	7.11	5.20	4.03	3.29	2.51	2.69	1.83	0.47
-17										
	15.25	10.44	8.10	6.13	4.85	4.05	3.11	3.32	2.22	0.56
-19.5										
	14.64	10.37	8.49	6.78	5.55	4.73	3.67	3.90	2.56	0.63

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-NF-50-80-HGS.IES

LUMENS TABULATION - (Cont.)

-22.5	11.00	8.24	7.18	6.12	5.26	4.59	3.59	3.79	2.43	0.58
-25.5	9.46	7.61	7.07	6.39	5.80	5.20	4.07	4.23	2.64	0.61
-29	8.03	6.91	6.84	6.57	6.27	5.74	4.46	4.53	2.72	0.59
-33	7.07	6.41	6.73	6.82	6.69	6.15	4.74	4.67	2.66	0.55
-37.5	6.92	6.48	7.00	7.20	7.00	6.36	4.83	4.59	2.44	0.47
-42.5	6.63	6.22	6.69	6.77	6.49	5.78	4.26	3.84	1.88	0.35
-47.5	8.39	7.76	8.22	8.19	7.73	6.69	4.72	4.00	1.81	0.32
-55	6.60	6.01	6.28	6.18	5.60	4.56	3.00	2.33	1.00	0.21
-65	2.03	1.82	1.91	1.86	1.62	1.21	0.70	0.50	0.25	0.10
-75	0.19	0.18	0.20	0.21	0.22	0.21	0.18	0.22	0.17	0.07
-85	0.04	0.04	0.05	0.05	0.06	0.06	0.05	0.07	0.05	0.02
-90										
Total	571.13	390.50	327.43	273.34	231.85	197.98	150.03	151.58	95.15	23.66

Vert. Angles	Horizontal Angles		
	<u>75</u>	<u>85</u>	<u>90</u>
90			
	0.01	0.00	1.96
85			
	0.03	0.00	37.38
75			
	0.06	0.00	108.02
65			
	0.08	0.00	191.55
55			
	0.08	0.00	186.27
47.5			
	0.07	0.00	135.83
42.5			
	0.09	0.00	143.59
37.5			
	0.09	0.00	142.41
33			
	0.09	0.00	155.59
29			
	0.08	0.00	183.90
25.5			
	0.08	0.00	219.40
22.5			
	0.08	0.00	313.27
19.5			
	0.07	0.00	371.22
17			
	0.05	0.00	401.99

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-NF-50-80-HGS.IES

LUMENS TABULATION - (Cont.)

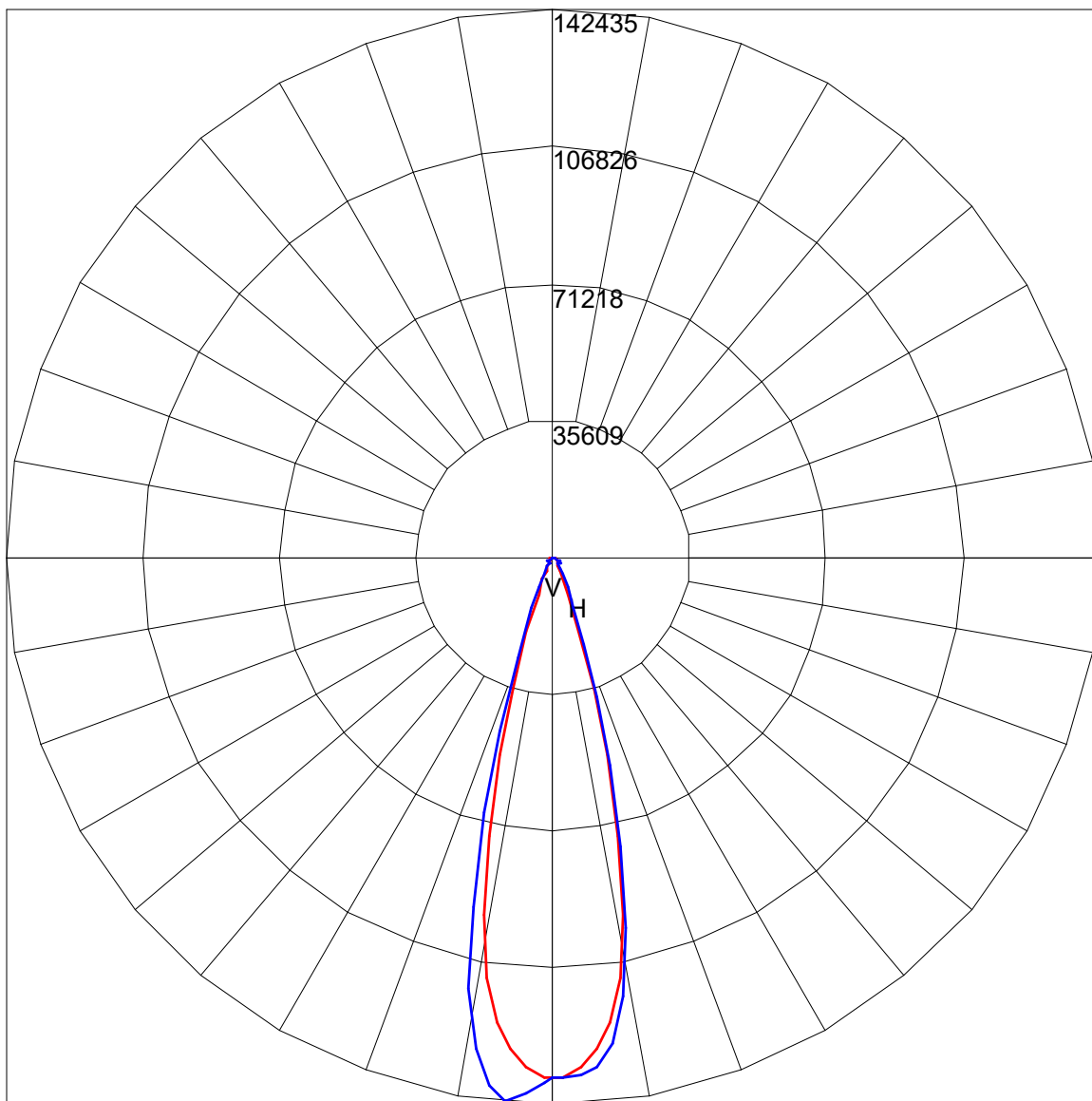
15	0.05	0.00	527.61
13	0.05	0.00	674.95
11	0.05	0.00	825.71
9	0.05	0.00	957.10
7	0.05	0.00	1050.68
5	0.05	0.00	1106.88
3	0.05	0.00	1142.26
1	0.03	0.00	580.28
0	0.03	0.00	583.50
-1	0.05	0.00	1172.96
-3	0.05	0.00	1167.7
-5	0.05	0.00	1132.26
-7	0.05	0.00	1054.78
-9	0.05	0.00	933.41
-11	0.05	0.00	780.13
-13	0.04	0.00	613.34
-15	0.04	0.00	457.03
-17	0.05	0.00	402.66
-19.5	0.06	0.00	318.39
-22.5	0.05	0.00	207.89
-25.5	0.05	0.00	164.89
-29	0.05	0.00	131.45
-33	0.05	0.00	111.01
-37.5	0.05	0.00	105.48
-42.5	0.04	0.00	98.56
-47.5	0.05	0.00	123.85
-55	0.04	0.00	96.51
-65	0.03	0.00	29.09

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-NF-50-80-HGS.IES

LUMENS TABULATION - (Cont.)

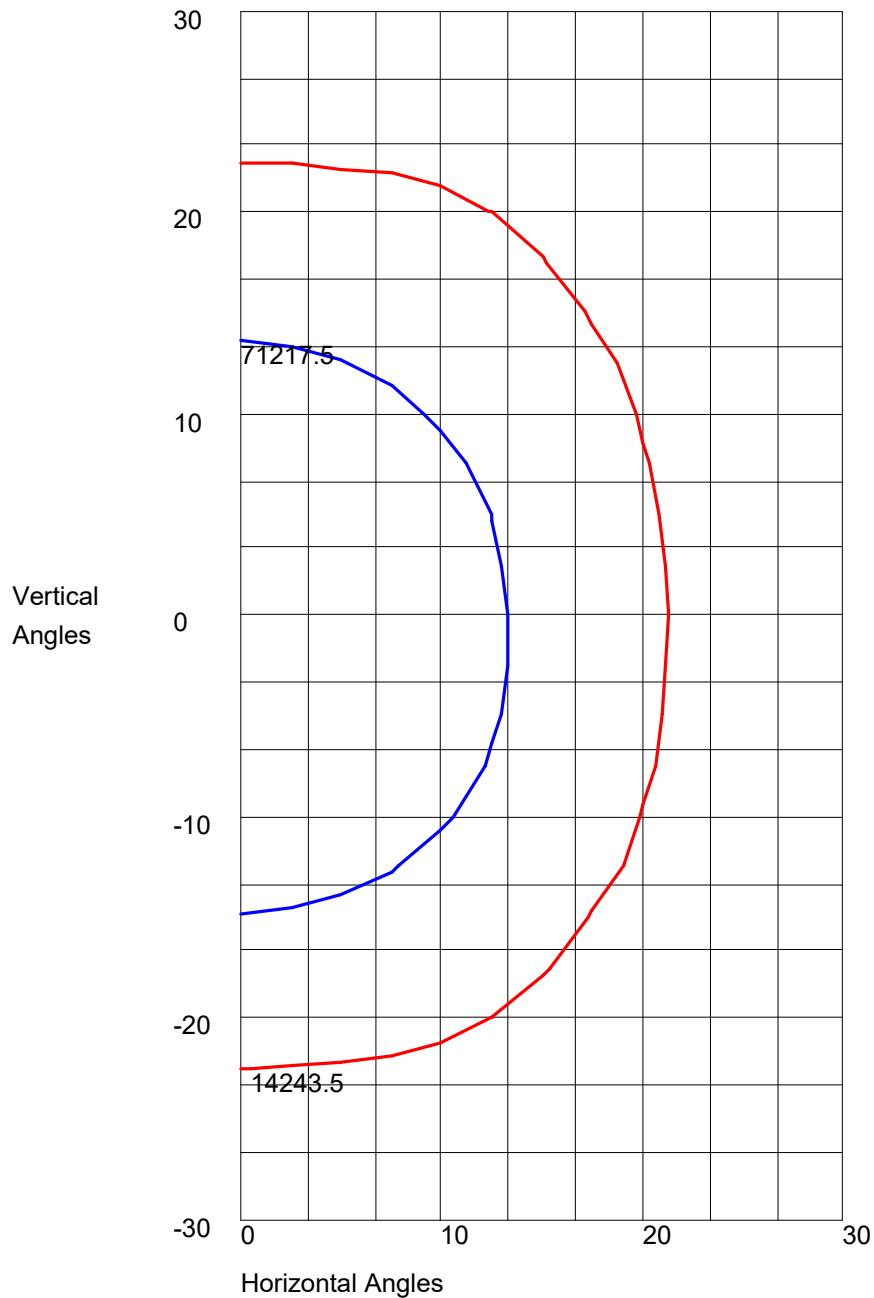
-75	0.02	0.00	3.13
-85	0.00	0.00	0.79
-90			
Total	2.29	0.04	19146.65

AXIAL CANDELA DISPLAY



Maximum Candela = 142435 Located At Horizontal Angle = 0, Vertical Angle = -5
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 142435 Located At Horizontal Angle = 0, Vertical Angle = -5
50% Maximum Candela = 71217.5
10% Maximum Candela = 14243.5