



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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12459
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 03/05/21
[TESTDATE] 01/22/21
[MANUFAC] LSI INDUSTRIES, INC.
[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
[LUMCAT] PFL-LED-42L-PC-NF-50-80

Note: Candela values converted from Type-C to Type-B

CHARACTERISTICS

NEMA Type	3 H x 3 V
Maximum Candela	138730
Maximum Candela Angle	0H -5V
Horizontal Beam Angle (50%)	25.8
Vertical Beam Angle (50%)	28.7
Horizontal Field Angle (10%)	42.1
Vertical Field Angle (10%)	45.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	20673
Beam Efficiency	N.A.
Field Lumens	30249
Field Efficiency	N.A.
Spill Lumens	11148
Luminaire Lumens	41397
Total Efficiency	N.A.
Total Luminaire Watts	304
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	1	90	1
85	213	85	322
75	669	75	956
65	1143	65	1787
55	1493	55	2492
47.5	1573	47.5	2360
42.5	1681	42.5	2207
37.5	2031	37.5	2315
33	2803	33	3159
29	4353	29	5243
25.5	6626	25.5	8574
22.5	10479	22.5	13793
19.5	20312	19.5	26083
17	35530	17	43113
15	52516	15	61839
13	74286	13	85643
11	94698	11	107318
9	110826	9	124113
7	121399	7	134612
5	126804	5	138730
3	130637	3	136064
1	132652	1	134173
0	133357	0	133357
-1	132652	-1	134173
-3	130637	-3	136064
-5	126804	-5	138730
-7	121399	-7	134612
-9	110826	-9	124113
-11	94698	-11	107318
-13	74286	-13	85643
-15	52516	-15	61839
-17	35530	-17	43113
-19.5	20312	-19.5	26083
-22.5	10479	-22.5	13793
-25.5	6626	-25.5	8574
-29	4353	-29	5243
-33	2803	-33	3159
-37.5	2031	-37.5	2315
-42.5	1681	-42.5	2207
-47.5	1573	-47.5	2360
-55	1493	-55	2492
-65	1143	-65	1787
-75	669	-75	956
-85	213	-85	322
-90	1	-90	1

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CANDELA TABULATION

Maximum Candela = 138730

Beam Edge = 69365 Cd (50% of Max.)

Field Edge = 13873 Cd (10% of Max.)

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	-90.0	-85.0	-75.0	-65.0	-55.0	-47.5	-42.5	-37.5	-33.0	-29.0
90.0	0	0	0	0	1	1	1	1	1	1
85.0	0	25	99	220	326	358	375	388	386	368
75.0	0	74	239	434	653	789	876	952	1001	994
65.0	0	121	329	616	948	1187	1340	1457	1551	1580
55.0	0	154	415	769	1162	1476	1693	1897	2038	2163
47.5	0	169	475	866	1299	1731	1966	2127	2207	2276
42.5	0	179	513	922	1375	1803	2009	2114	2196	2247
37.5	0	187	547	972	1443	1814	1988	2088	2133	2157
33.0	0	193	574	1013	1484	1786	1929	2021	2053	2152
29.0	0	198	595	1049	1509	1751	1856	1940	2050	2283
25.5	0	202	610	1079	1512	1719	1795	1895	2117	2490
22.5	1	205	622	1093	1510	1680	1760	1874	2190	2724
19.5	1	207	631	1107	1517	1640	1732	1889	2262	2953
17.0	1	209	640	1117	1516	1607	1716	1910	2347	3173
15.0	1	210	647	1123	1514	1603	1707	1920	2423	3329
13.0	1	211	653	1127	1511	1598	1704	1947	2479	3592
11.0	1	215	658	1130	1507	1592	1703	1970	2551	3780
9.0	1	214	662	1135	1502	1586	1700	1994	2626	3893
7.0	1	214	665	1139	1496	1580	1694	2012	2695	4061
5.0	1	214	670	1142	1496	1574	1686	2021	2740	4216
3.0	1	213	670	1145	1497	1575	1687	2027	2764	4291
1.0	1	213	669	1144	1494	1574	1683	2033	2795	4348
0.0	1	213	669	1143	1493	1573	1681	2031	2803	4353
-1.0	1	213	669	1144	1494	1574	1683	2033	2795	4348
-3.0	1	213	670	1145	1497	1575	1687	2027	2764	4291
-5.0	1	214	670	1142	1496	1574	1686	2021	2740	4216
-7.0	1	214	665	1139	1496	1580	1694	2012	2695	4061
-9.0	1	214	662	1135	1502	1586	1700	1994	2626	3893
-11.0	1	215	658	1130	1507	1592	1703	1970	2551	3780
-13.0	1	211	653	1127	1511	1598	1704	1947	2479	3592
-15.0	1	210	647	1123	1514	1603	1707	1920	2423	3329
-17.0	1	209	640	1117	1516	1607	1716	1910	2347	3173
-19.5	1	207	631	1107	1517	1640	1732	1889	2262	2953
-22.5	1	205	622	1093	1510	1680	1760	1874	2190	2724
-25.5	0	202	610	1079	1512	1719	1795	1895	2117	2490
-29.0	0	198	595	1049	1509	1751	1856	1940	2050	2283
-33.0	0	193	574	1013	1484	1786	1929	2021	2053	2152
-37.5	0	187	547	972	1443	1814	1988	2088	2133	2157
-42.5	0	179	513	922	1375	1803	2009	2114	2196	2247
-47.5	0	169	475	866	1299	1731	1966	2127	2207	2276
-55.0	0	154	415	769	1162	1476	1693	1897	2038	2163
-65.0	0	121	329	616	948	1187	1340	1457	1551	1580
-75.0	0	74	239	434	653	789	876	952	1001	994
-85.0	0	25	99	220	326	358	375	388	386	368
-90.0	0	0	0	0	1	1	1	1	1	1

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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	1	1	1	1	1	1	1	1	1	1
85.0	351	343	338	332	328	327	332	330	327	324
75.0	984	979	976	972	966	965	964	962	957	956
65.0	1603	1617	1655	1685	1708	1728	1744	1759	1771	1782
55.0	2226	2290	2345	2368	2387	2406	2424	2441	2459	2476
47.5	2315	2329	2343	2344	2339	2336	2334	2338	2345	2352
42.5	2267	2265	2257	2248	2241	2234	2225	2219	2216	2212
37.5	2185	2219	2274	2313	2324	2343	2348	2343	2343	2334
33.0	2298	2465	2626	2762	2857	2918	2994	3053	3105	3141
29.0	2612	2950	3352	3693	3929	4265	4498	4645	4805	5004
25.5	3005	3640	4431	5229	5923	6588	7103	7622	7970	8251
22.5	3467	4496	5864	7273	8604	9683	10648	11831	12527	13009
19.5	4081	5590	7662	9813	11851	14211 *	16365 *	19367 *	21367 *	22737 *
17.0	4612	6643	9327	12410	15183 *	19725 *	23952 *	29367 *	34013 *	37091 *
15.0	5091	7446	10749	14400 *	19614 *	25295 *	33050 *	39853 *	48412 *	54688 *
13.0	5514	8168	12175	17865 *	24146 *	33578 *	43874 *	55441 *	65536 *	75092 *
11.0	5836	8727	13661	20840 *	30879 *	42741 *	57405 *	71764 *	85203 *	95799 *
9.0	6168	9491	15778 *	25369 *	36400 *	52877 *	70217 *	88000 *	101814 *	113489 *
7.0	6376	9949	17097 *	28892 *	43288 *	61033 *	81412 *	99345 *	115386 *	123710 *
5.0	6561	10271	17851 *	31050 *	48391 *	68290 *	88848 *	107307 *	119700 *	128856 *
3.0	6598	10392	19307 *	33674 *	51581 *	72835 *	93508 *	110882 *	122431 *	128310 *
1.0	6626	10481	20153 *	35238 *	52866 *	74303 *	95063 *	111535 *	122136 *	127651 *
0.0	6626	10479	20312 *	35530 *	52516 *	74286 *	94698 *	110826 *	121399 *	126804 *
-1.0	6626	10481	20153 *	35238 *	52866 *	74303 *	95063 *	111535 *	122136 *	127651 *
-3.0	6598	10392	19307 *	33674 *	51581 *	72835 *	93508 *	110882 *	122431 *	128310 *
-5.0	6561	10271	17851 *	31050 *	48391 *	68290 *	88848 *	107307 *	119700 *	128856 *
-7.0	6376	9949	17097 *	28892 *	43288 *	61033 *	81412 *	99345 *	115386 *	123710 *
-9.0	6168	9491	15778 *	25369 *	36400 *	52877 *	70217 *	88000 *	101814 *	113489 *
-11.0	5836	8727	13661	20840 *	30879 *	42741 *	57405 *	71764 *	85203 *	95799 *
-13.0	5514	8168	12175	17865 *	24146 *	33578 *	43874 *	55441 *	65536 *	75092 *
-15.0	5091	7446	10749	14400 *	19614 *	25295 *	33050 *	39853 *	48412 *	54688 *
-17.0	4612	6643	9327	12410	15183 *	19725 *	23952 *	29367 *	34013 *	37091 *
-19.5	4081	5590	7662	9813	11851	14211 *	16365 *	19367 *	21367 *	22737 *
-22.5	3467	4496	5864	7273	8604	9683	10648	11831	12527	13009
-25.5	3005	3640	4431	5229	5923	6588	7103	7622	7970	8251
-29.0	2612	2950	3352	3693	3929	4265	4498	4645	4805	5004
-33.0	2298	2465	2626	2762	2857	2918	2994	3053	3105	3141
-37.5	2185	2219	2274	2313	2324	2343	2348	2343	2343	2334
-42.5	2267	2265	2257	2248	2241	2234	2225	2219	2216	2212
-47.5	2315	2329	2343	2344	2339	2336	2334	2338	2345	2352
-55.0	2226	2290	2345	2368	2387	2406	2424	2441	2459	2476
-65.0	1603	1617	1655	1685	1708	1728	1744	1759	1771	1782
-75.0	984	979	976	972	966	965	964	962	957	956
-85.0	351	343	338	332	328	327	332	330	327	324
-90.0	1	1	1	1	1	1	1	1	1	1

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	1	1	1	1	1	1	1	1	1	1
85.0	323	322	322	322	323	324	327	330	332	327
75.0	955	956	956	956	955	956	957	962	964	965
65.0	1789	1788	1787	1788	1789	1782	1771	1759	1744	1728

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CANDELA TABULATION - (Cont.)

55.0	2487	2490	2492	2490	2487	2476	2459	2441	2424	2406
47.5	2358	2359	2360	2359	2358	2352	2345	2338	2334	2336
42.5	2206	2207	2207	2207	2206	2212	2216	2219	2225	2234
37.5	2318	2318	2315	2318	2318	2334	2343	2343	2348	2343
33.0	3147	3160	3159	3160	3147	3141	3105	3053	2994	2918
29.0	5093	5200	5243	5200	5093	5004	4805	4645	4498	4265
25.5	8394	8519	8574	8519	8394	8251	7970	7622	7103	6588
22.5	13426	13729	13793	13729	13426	13009	12527	11831	10648	9683
19.5	24449 *	25634 *	26083 *	25634 *	24449 *	22737 *	21367 *	19367 *	16365 *	14211 *
17.0	40378 *	42569 *	43113 *	42569 *	40378 *	37091 *	34013 *	29367 *	23952 *	19725 *
15.0	59029 *	61422 *	61839 *	61422 *	59029 *	54688 *	48412 *	39853 *	33050 *	25295 *
13.0	82112 *	85550 *	85643 *	85550 *	82112 *	75092 *	65536 *	55441 *	43874 *	33578 *
11.0	103492 *	107383 *	107318 *	107383 *	103492 *	95799 *	85203 *	71764 *	57405 *	42741 *
9.0	120521 *	124013 *	124113 *	124013 *	120521 *	113489 *	101814 *	88000 *	70217 *	52877 *
7.0	131000 *	134277 *	134612 *	134277 *	131000 *	123710 *	115386 *	99345 *	81412 *	61033 *
5.0	133840 *	138074 *	138730 *	138074 *	133840 *	128856 *	119700 *	107307 *	88848 *	68290 *
3.0	132969 *	135493 *	136064 *	135493 *	132969 *	128310 *	122431 *	110882 *	93508 *	72835 *
1.0	131263 *	133436 *	134173 *	133436 *	131263 *	127651 *	122136 *	111535 *	95063 *	74303 *
0.0	130637 *	132652 *	133357 *	132652 *	130637 *	126804 *	121399 *	110826 *	94698 *	74286 *
-1.0	131263 *	133436 *	134173 *	133436 *	131263 *	127651 *	122136 *	111535 *	95063 *	74303 *
-3.0	132969 *	135493 *	136064 *	135493 *	132969 *	128310 *	122431 *	110882 *	93508 *	72835 *
-5.0	133840 *	138074 *	138730 *	138074 *	133840 *	128856 *	119700 *	107307 *	88848 *	68290 *
-7.0	131000 *	134277 *	134612 *	134277 *	131000 *	123710 *	115386 *	99345 *	81412 *	61033 *
-9.0	120521 *	124013 *	124113 *	124013 *	120521 *	113489 *	101814 *	88000 *	70217 *	52877 *
-11.0	103492 *	107383 *	107318 *	107383 *	103492 *	95799 *	85203 *	71764 *	57405 *	42741 *
-13.0	82112 *	85550 *	85643 *	85550 *	82112 *	75092 *	65536 *	55441 *	43874 *	33578 *
-15.0	59029 *	61422 *	61839 *	61422 *	59029 *	54688 *	48412 *	39853 *	33050 *	25295 *
-17.0	40378 *	42569 *	43113 *	42569 *	40378 *	37091 *	34013 *	29367 *	23952 *	19725 *
-19.5	24449 *	25634 *	26083 *	25634 *	24449 *	22737 *	21367 *	19367 *	16365 *	14211 *
-22.5	13426	13729	13793	13729	13426	13009	12527	11831	10648	9683
-25.5	8394	8519	8574	8519	8394	8251	7970	7622	7103	6588
-29.0	5093	5200	5243	5200	5093	5004	4805	4645	4498	4265
-33.0	3147	3160	3159	3160	3147	3141	3105	3053	2994	2918
-37.5	2318	2318	2315	2318	2318	2334	2343	2343	2348	2343
-42.5	2206	2207	2207	2207	2206	2212	2216	2219	2225	2234
-47.5	2358	2359	2360	2359	2358	2352	2345	2338	2334	2336
-55.0	2487	2490	2492	2490	2487	2476	2459	2441	2424	2406
-65.0	1789	1788	1787	1788	1789	1782	1771	1759	1744	1728
-75.0	955	956	956	956	955	956	957	962	964	965
-85.0	323	322	322	322	323	324	327	330	332	327
-90.0	1	1	1	1	1	1	1	1	1	1

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	1	1	1	1	1	1	1	1	1	1
85.0	328	332	338	343	351	368	386	388	375	358
75.0	966	972	976	979	984	994	1001	952	876	789
65.0	1708	1685	1655	1617	1603	1580	1551	1457	1340	1187
55.0	2387	2368	2345	2290	2226	2163	2038	1897	1693	1476
47.5	2339	2344	2343	2329	2315	2276	2207	2127	1966	1731
42.5	2241	2248	2257	2265	2267	2247	2196	2114	2009	1803
37.5	2324	2313	2274	2219	2185	2157	2133	2088	1988	1814
33.0	2857	2762	2626	2465	2298	2152	2053	2021	1929	1786
29.0	3929	3693	3352	2950	2612	2283	2050	1940	1856	1751
25.5	5923	5229	4431	3640	3005	2490	2117	1895	1795	1719

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CANDELA TABULATION - (Cont.)

22.5	8604	7273	5864	4496	3467	2724	2190	1874	1760	1680
19.5	11851	9813	7662	5590	4081	2953	2262	1889	1732	1640
17.0	15183 *	12410	9327	6643	4612	3173	2347	1910	1716	1607
15.0	19614 *	14400 *	10749	7446	5091	3329	2423	1920	1707	1603
13.0	24146 *	17865 *	12175	8168	5514	3592	2479	1947	1704	1598
11.0	30879 *	20840 *	13661	8727	5836	3780	2551	1970	1703	1592
9.0	36400 *	25369 *	15778 *	9491	6168	3893	2626	1994	1700	1586
7.0	43288 *	28892 *	17097 *	9949	6376	4061	2695	2012	1694	1580
5.0	48391 *	31050 *	17851 *	10271	6561	4216	2740	2021	1686	1574
3.0	51581 *	33674 *	19307 *	10392	6598	4291	2764	2027	1687	1575
1.0	52866 *	35238 *	20153 *	10481	6626	4348	2795	2033	1683	1574
0.0	52516 *	35530 *	20312 *	10479	6626	4353	2803	2031	1681	1573
-1.0	52866 *	35238 *	20153 *	10481	6626	4348	2795	2033	1683	1574
-3.0	51581 *	33674 *	19307 *	10392	6598	4291	2764	2027	1687	1575
-5.0	48391 *	31050 *	17851 *	10271	6561	4216	2740	2021	1686	1574
-7.0	43288 *	28892 *	17097 *	9949	6376	4061	2695	2012	1694	1580
-9.0	36400 *	25369 *	15778 *	9491	6168	3893	2626	1994	1700	1586
-11.0	30879 *	20840 *	13661	8727	5836	3780	2551	1970	1703	1592
-13.0	24146 *	17865 *	12175	8168	5514	3592	2479	1947	1704	1598
-15.0	19614 *	14400 *	10749	7446	5091	3329	2423	1920	1707	1603
-17.0	15183 *	12410	9327	6643	4612	3173	2347	1910	1716	1607
-19.5	11851	9813	7662	5590	4081	2953	2262	1889	1732	1640
-22.5	8604	7273	5864	4496	3467	2724	2190	1874	1760	1680
-25.5	5923	5229	4431	3640	3005	2490	2117	1895	1795	1719
-29.0	3929	3693	3352	2950	2612	2283	2050	1940	1856	1751
-33.0	2857	2762	2626	2465	2298	2152	2053	2021	1929	1786
-37.5	2324	2313	2274	2219	2185	2157	2133	2088	1988	1814
-42.5	2241	2248	2257	2265	2267	2247	2196	2114	2009	1803
-47.5	2339	2344	2343	2329	2315	2276	2207	2127	1966	1731
-55.0	2387	2368	2345	2290	2226	2163	2038	1897	1693	1476
-65.0	1708	1685	1655	1617	1603	1580	1551	1457	1340	1187
-75.0	966	972	976	979	984	994	1001	952	876	789
-85.0	328	332	338	343	351	368	386	388	375	358
-90.0	1	1	1	1	1	1	1	1	1	1

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	1	0	0	0	0
85.0	326	220	99	25	0
75.0	653	434	239	74	0
65.0	948	616	329	121	0
55.0	1162	769	415	154	0
47.5	1299	866	475	169	0
42.5	1375	922	513	179	0
37.5	1443	972	547	187	0
33.0	1484	1013	574	193	0
29.0	1509	1049	595	198	0
25.5	1512	1079	610	202	0
22.5	1510	1093	622	205	1
19.5	1517	1107	631	207	1
17.0	1516	1117	640	209	1
15.0	1514	1123	647	210	1
13.0	1511	1127	653	211	1
11.0	1507	1130	658	215	1
9.0	1502	1135	662	214	1

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

CANDELA TABULATION - (Cont.)

7.0	1496	1139	665	214	1
5.0	1496	1142	670	214	1
3.0	1497	1145	670	213	1
1.0	1494	1144	669	213	1
0.0	1493	1143	669	213	1
-1.0	1494	1144	669	213	1
-3.0	1497	1145	670	213	1
-5.0	1496	1142	670	214	1
-7.0	1496	1139	665	214	1
-9.0	1502	1135	662	214	1
-11.0	1507	1130	658	215	1
-13.0	1511	1127	653	211	1
-15.0	1514	1123	647	210	1
-17.0	1516	1117	640	209	1
-19.5	1517	1107	631	207	1
-22.5	1510	1093	622	205	1
-25.5	1512	1079	610	202	0
-29.0	1509	1049	595	198	0
-33.0	1484	1013	574	193	0
-37.5	1443	972	547	187	0
-42.5	1375	922	513	179	0
-47.5	1299	866	475	169	0
-55.0	1162	769	415	154	0
-65.0	948	616	329	121	0
-75.0	653	434	239	74	0
-85.0	326	220	99	25	0
-90.0	1	0	0	0	0

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

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 20698.38

Total Field Lumens (one side of beam only) = 15124.43

* 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	0.25	0.49	0.49	0.49	0.50	0.50	0.49	0.49	0.48	0.61
75	1.95	3.89	3.89	3.88	3.89	3.88	3.86	3.82	3.80	4.73
65	4.18	8.35	8.33	8.28	8.22	8.14	8.05	7.93	7.80	9.56
55	6.52	13.02	12.97	12.86	12.71	12.55	12.37	12.16	11.93	14.56
47.5	5.54	11.07	11.02	10.94	10.84	10.73	10.61	10.49	10.36	12.75
42.5	3.48	6.95	6.93	6.91	6.88	6.84	6.80	6.76	6.71	8.31
37.5	3.44	6.89	6.89	6.90	6.88	6.85	6.82	6.75	6.68	8.22
33	3.75	7.50	7.48	7.45	7.36	7.25	7.11	6.94	6.76	8.12
29	5.11	10.11	9.96	9.73	9.42	9.11	8.74	8.26	7.75	8.99
25.5	7.34	14.49	14.22	13.80	13.22	12.53	11.71	10.71	9.62	10.57
22.5	10.19	20.12	19.64	18.97	18.08	16.74	15.21	13.65	11.87	12.36
19.5	18.10 *	35.27 *	33.56 *	31.64 *	29.45 *	26.19 *	22.75	19.66	16.49	16.60
17	26.16 *	50.62 *	47.35 *	43.63 *	39.26 *	33.39 *	27.65 *	22.52 *	18.03	17.72
15	31.82 *	61.92 *	58.09 *	52.77 *	45.74 *	37.86 *	30.40 *	23.59 *	18.04 *	16.95
13	44.85 *	87.71 *	82.32 *	73.83 *	63.12 *	51.66 *	40.46 *	30.33 *	22.26 *	19.96
11	58.77 *	115.23 *	108.32 *	97.43 *	83.84 *	68.54 *	52.91 *	38.82 *	27.44 *	23.34 *
9	70.49 *	138.63 *	131.66 *	120.05 *	104.60 *	86.21 *	66.51 *	48.14 *	33.23 *	27.35 *
7	78.74 *	155.19 *	148.50 *	137.65 *	122.03 *	101.68 *	79.12 *	57.22 *	39.22 *	31.51 *
5	83.11 *	163.53 *	157.22 *	147.73 *	133.24 *	113.06 *	89.26 *	65.32 *	44.39 *	34.31 *
3	83.52 *	164.50 *	159.22 *	151.25 *	138.85 *	120.15 *	96.38 *	71.26 *	48.22 *	36.84 *
1	82.12 *	162.30 *	158.07 *	151.63 *	140.86 *	123.29 *	100.02 *	74.36 *	50.76 *	39.19 *
0	40.64 *	80.36 *	78.45 *	75.43 *	70.27 *	61.81 *	50.40 *	37.53 *	25.79 *	20.11 *
-1	40.64 *	80.36 *	78.45 *	75.43 *	70.27 *	61.81 *	50.40 *	37.53 *	25.79 *	20.11 *
	82.12 *	162.30 *	158.07 *	151.63 *	140.86 *	123.29 *	100.02 *	74.36 *	50.76 *	39.19 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	83.52 *	164.50 *	159.22 *	151.25 *	138.85 *	120.15 *	96.38 *	71.26 *	48.22 *	36.84 *
-5	83.11 *	163.53 *	157.22 *	147.73 *	133.24 *	113.06 *	89.26 *	65.32 *	44.39 *	34.31 *
-7	78.74 *	155.19 *	148.50 *	137.65 *	122.03 *	101.68 *	79.12 *	57.22 *	39.22 *	31.51 *
-9	70.49 *	138.63 *	131.66 *	120.05 *	104.60 *	86.21 *	66.51 *	48.14 *	33.23 *	27.35 *
-11	58.77 *	115.23 *	108.32 *	97.43 *	83.84 *	68.54 *	52.91 *	38.82 *	27.44 *	23.34 *
-13	44.85 *	87.71 *	82.32 *	73.83 *	63.12 *	51.66 *	40.46 *	30.33 *	22.26 *	19.96
-15	31.82 *	61.92 *	58.09 *	52.77 *	45.74 *	37.86 *	30.40 *	23.59 *	18.04 *	16.95
-17	26.16 *	50.62 *	47.35 *	43.63 *	39.26 *	33.39 *	27.65 *	22.52 *	18.03	17.72
-19.5	18.10 *	35.27 *	33.56 *	31.64 *	29.45 *	26.19 *	22.75	19.66	16.49	16.60
-22.5	10.19	20.12	19.64	18.97	18.08	16.74	15.21	13.65	11.87	12.36
-25.5	7.34	14.49	14.22	13.80	13.22	12.53	11.71	10.71	9.62	10.57
-29	5.11	10.11	9.96	9.73	9.42	9.11	8.74	8.26	7.75	8.99
-33	3.75	7.50	7.48	7.45	7.36	7.25	7.11	6.94	6.76	8.12
-37.5	3.44	6.89	6.89	6.90	6.88	6.85	6.82	6.75	6.68	8.22
-42.5	3.48	6.95	6.93	6.91	6.88	6.84	6.80	6.76	6.71	8.31
-47.5	5.54	11.07	11.02	10.94	10.84	10.73	10.61	10.49	10.36	12.75
-55	6.52	13.02	12.97	12.86	12.71	12.55	12.37	12.16	11.93	14.56
-65	4.18	8.35	8.33	8.28	8.22	8.14	8.05	7.93	7.80	9.56
-75	1.95	3.89	3.89	3.88	3.89	3.88	3.86	3.82	3.80	4.73
-85	0.25	0.49	0.49	0.49	0.50	0.50	0.49	0.49	0.48	0.61
-90										
Total	1340.09	2636.29	2529.14	2366.52	2138.46	1837.95	1495.26	1153.46	855.31	765.32

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.73	0.73	0.85	0.99	1.09	1.12	0.99	1.23	1.04	0.41
85	5.62	5.54	6.39	7.18	7.63	7.56	6.45	7.60	6.21	2.58
75	11.15	10.82	12.23	13.38	13.88	13.49	11.28	12.78	10.08	4.21
65	16.86	16.14	17.94	19.14	19.43	18.62	15.33	17.05	13.29	5.54
55	14.89	14.34	15.96	17.00	17.35	16.80	13.86	15.19	11.68	4.93

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5										
	9.80	9.57	10.79	11.65	12.09	11.98	10.11	11.09	8.48	3.61
42.5	9.61	9.32	10.49	11.40	11.93	11.95	10.25	11.49	8.96	3.84
37.5	9.20	8.61	9.37	9.98	10.44	10.53	9.10	10.49	8.41	3.64
33	9.72	8.62	8.86	8.92	9.02	9.03	7.88	9.33	7.69	3.36
29	10.73	8.92	8.62	8.17	7.84	7.64	6.71	8.12	6.85	3.03
25.5	11.79	9.15	8.31	7.46	6.78	6.41	5.62	6.88	5.93	2.66
22.5	15.11	11.04	9.40	7.93	6.90	6.35	5.50	6.80	5.96	2.69
19.5	15.58	10.92	8.78	7.01	5.88	5.28	4.51	5.61	5.00	2.27
17	14.57	9.93	7.68	5.89	4.81	4.23	3.57	4.46	4.01	1.83
15	16.44	10.94	8.30	6.17	4.91	4.24	3.56	4.45	4.01	1.85
13	18.23	11.79	8.87	6.48	5.01	4.27	3.55	4.44	4.01	1.86
11	20.33	12.61	9.32	6.71	5.12	4.30	3.54	4.42	4.01	1.87
9	22.31	13.35	9.71	6.93	5.22	4.32	3.53	4.40	4.01	1.87
7	23.53	13.84	10.05	7.16	5.30	4.32	3.52	4.39	4.01	1.88
5	24.66 *	14.12	10.27	7.32	5.35	4.33	3.51	4.39	4.02	1.89
3	25.73 *	14.23	10.36	7.41	5.38	4.33	3.51	4.39	4.02	1.89
1	13.10 *	7.14	5.20	3.73	2.70	2.17	1.75	2.19	2.01	0.94
0	13.10 *	7.14	5.20	3.73	2.70	2.17	1.75	2.19	2.01	0.94
-1	25.73 *	14.23	10.36	7.41	5.38	4.33	3.51	4.39	4.02	1.89
-3	24.66 *	14.12	10.27	7.32	5.35	4.33	3.51	4.39	4.02	1.89
-5	23.53	13.84	10.05	7.16	5.30	4.32	3.52	4.39	4.01	1.88
-7	22.31	13.35	9.71	6.93	5.22	4.32	3.53	4.40	4.01	1.87
-9	20.33	12.61	9.32	6.71	5.12	4.30	3.54	4.42	4.01	1.87
-11	18.23	11.79	8.87	6.48	5.01	4.27	3.55	4.44	4.01	1.86
-13	16.44	10.94	8.30	6.17	4.91	4.24	3.56	4.45	4.01	1.85
-15	14.57	9.93	7.68	5.89	4.81	4.23	3.57	4.46	4.01	1.83
-17	15.58	10.92	8.78	7.01	5.88	5.28	4.51	5.61	5.00	2.27
-19.5	15.11	11.04	9.40	7.93	6.90	6.35	5.50	6.80	5.96	2.69

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	11.79	9.15	8.31	7.46	6.78	6.41	5.62	6.88	5.93	2.66
-25.5	10.73	8.92	8.62	8.17	7.84	7.64	6.71	8.12	6.85	3.03
-29	9.72	8.62	8.86	8.92	9.02	9.03	7.88	9.33	7.69	3.36
-33	9.20	8.61	9.37	9.98	10.44	10.53	9.10	10.49	8.41	3.64
-37.5	9.61	9.32	10.49	11.40	11.93	11.95	10.25	11.49	8.96	3.84
-42.5	9.80	9.57	10.79	11.65	12.09	11.98	10.11	11.09	8.48	3.61
-47.5	14.89	14.34	15.96	17.00	17.35	16.80	13.86	15.19	11.68	4.93
-55	16.86	16.14	17.94	19.14	19.43	18.62	15.33	17.05	13.29	5.54
-65	11.15	10.82	12.23	13.38	13.88	13.49	11.28	12.78	10.08	4.21
-75	5.62	5.54	6.39	7.18	7.63	7.56	6.45	7.60	6.21	2.58
-85	0.73	0.73	0.85	0.99	1.09	1.12	0.99	1.23	1.04	0.41
-90										
Total	639.38	463.33	415.49	375.98	348.10	326.53	275.27	322.36	267.37	117.31

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.08	0.00		14.04
85				
	0.58	0.02		100.94
75				
	1.01	0.03		193.17
65				
	1.35	0.05		282.38
55				
	1.20	0.04		247.59
47.5				
	0.88	0.03		166.65
42.5				
	0.94	0.03		166.55
37.5				
	0.89	0.03		160.40
33				
	0.82	0.03		170.46
29				
	0.74	0.02		195.59
25.5				
	0.65	0.02		228.47
22.5				
	0.66	0.02		328.08
19.5				
	0.56	0.02		397.73
17				
	0.45	0.01		438.64

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

LUMENS TABULATION - (Cont.)

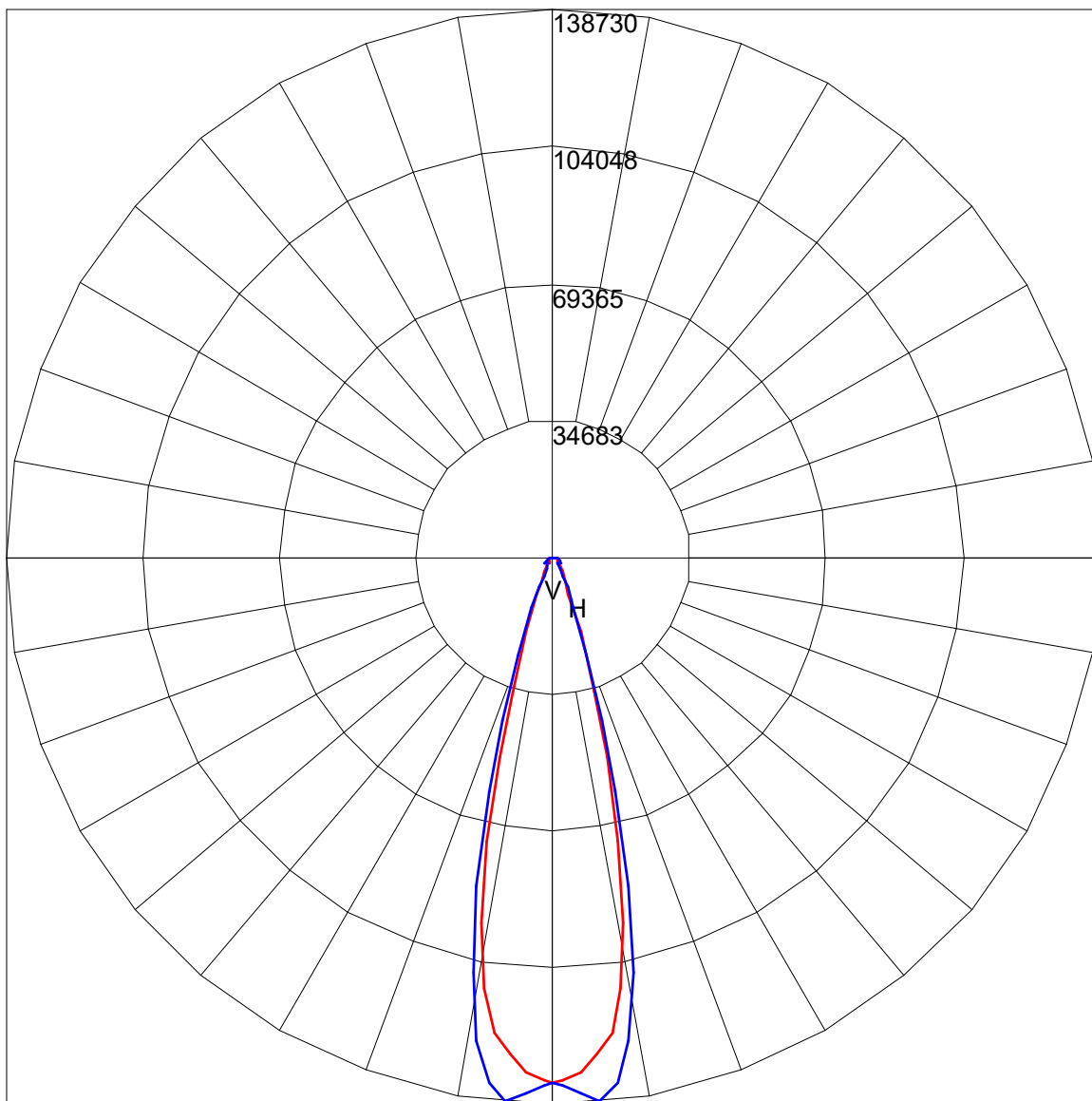
15	0.45	0.01	581.84
13	0.46	0.01	743.62
11	0.46	0.01	899.59
9	0.46	0.01	1027.00
7	0.47	0.01	1109.66
5	0.47	0.01	1150.5
3	0.47	0.01	1164.32
1	0.23	0.01	581.97
0	0.23	0.01	581.97
-1	0.47	0.01	1164.32
-3	0.47	0.01	1150.5
-5	0.47	0.01	1109.66
-7	0.46	0.01	1027.00
-9	0.46	0.01	899.59
-11	0.46	0.01	743.62
-13	0.45	0.01	581.84
-15	0.45	0.01	438.64
-17	0.56	0.02	397.73
-19.5	0.66	0.02	328.08
-22.5	0.65	0.02	228.47
-25.5	0.74	0.02	195.59
-29	0.82	0.03	170.46
-33	0.89	0.03	160.40
-37.5	0.94	0.03	166.55
-42.5	0.88	0.03	166.65
-47.5	1.20	0.04	247.59
-55	1.35	0.05	282.38
-65	1.01	0.03	193.17

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

LUMENS TABULATION - (Cont.)

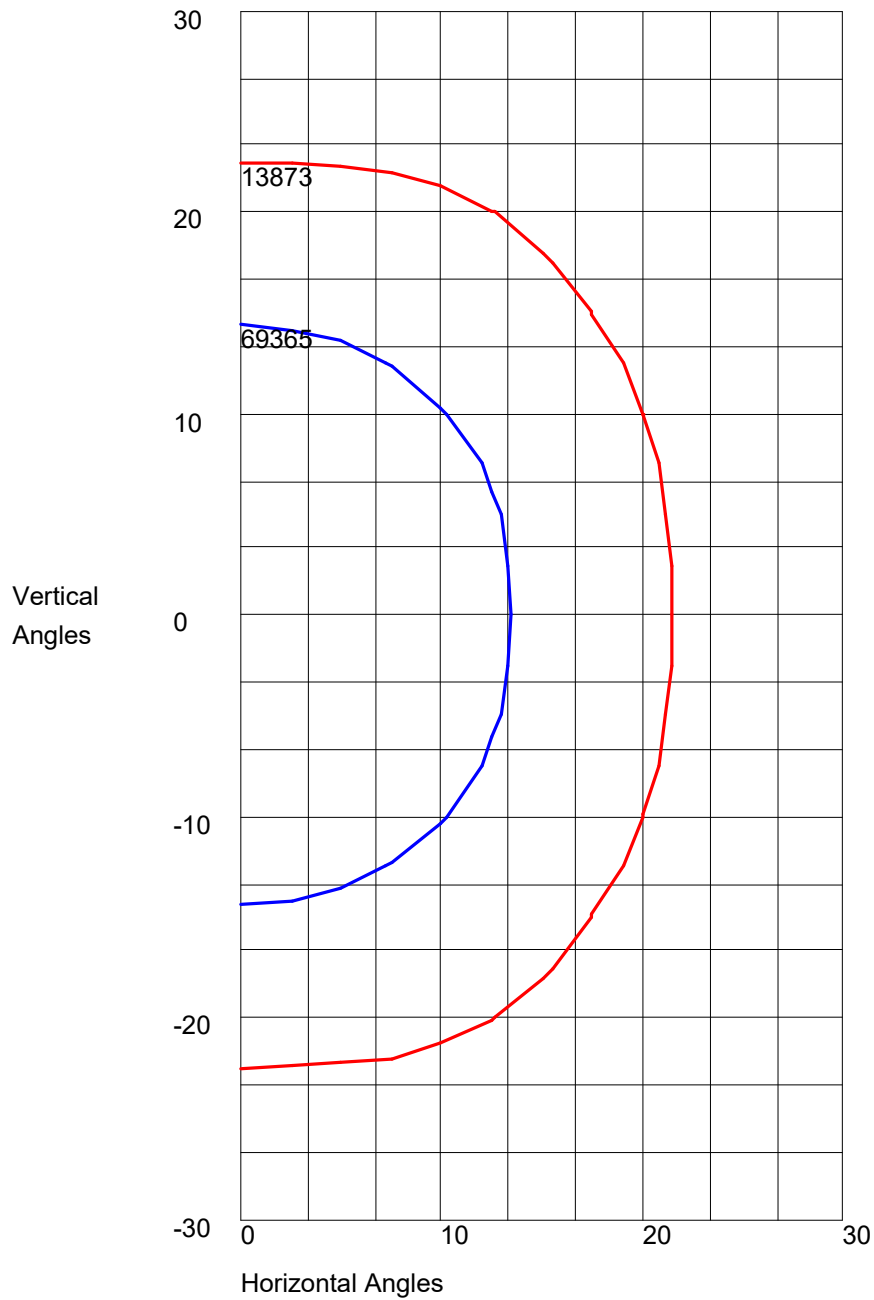
-75	0.58	0.02	100.94
-85	0.08	0.00	14.04
-90			
Total	28.57	0.91	20698.39

AXIAL CANDELA DISPLAY



Maximum Candela = 138730 Located At Horizontal Angle = 0, Vertical Angle = -5
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 138730 Located At Horizontal Angle = 0, Vertical Angle = -5
50% Maximum Candela = 69365
10% Maximum Candela = 13873