



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

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

CHARACTERISTICS

NEMA Type	3 H x 3 V
Maximum Candela	142308
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	21206
Beam Efficiency	N.A.
Field Lumens	31029
Field Efficiency	N.A.
Spill Lumens	11435
Luminaire Lumens	42464
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	219	85	330
75	686	75	981
65	1172	65	1833
55	1531	55	2556
47.5	1614	47.5	2421
42.5	1724	42.5	2264
37.5	2083	37.5	2375
33	2875	33	3241
29	4466	29	5378
25.5	6796	25.5	8795
22.5	10749	22.5	14149
19.5	20836	19.5	26756
17	36446	17	44224
15	53870	15	63434
13	76202	13	87852
11	97140	11	110085
9	113684	9	127314
7	124530	7	138083
5	130074	5	142308
3	134006	3	139574
1	136073	1	137634
0	136796	0	136796
-1	136073	-1	137634
-3	134006	-3	139574
-5	130074	-5	142308
-7	124530	-7	138083
-9	113684	-9	127314
-11	97140	-11	110085
-13	76202	-13	87852
-15	53870	-15	63434
-17	36446	-17	44224
-19.5	20836	-19.5	26756
-22.5	10749	-22.5	14149
-25.5	6796	-25.5	8795
-29	4466	-29	5378
-33	2875	-33	3241
-37.5	2083	-37.5	2375
-42.5	1724	-42.5	2264
-47.5	1614	-47.5	2421
-55	1531	-55	2556
-65	1172	-65	1833
-75	686	-75	981
-85	219	-85	330
-90	1	-90	1

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CANDELA TABULATION

Maximum Candela = 142308

Beam Edge = 71154 Cd (50% of Max.)

Field Edge = 14230.8 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	26	101	225	335	367	385	398	396	378
75.0	0	76	245	445	670	810	898	976	1027	1020
65.0	0	124	337	632	972	1217	1375	1494	1591	1621
55.0	0	159	426	789	1192	1514	1736	1946	2091	2220
47.5	0	174	488	888	1332	1775	2017	2181	2264	2335
42.5	0	183	527	946	1411	1850	2060	2169	2252	2305
37.5	0	192	561	996	1480	1861	2039	2142	2188	2212
33.0	0	198	589	1039	1522	1832	1978	2074	2106	2208
29.0	0	204	610	1076	1547	1796	1904	1990	2102	2342
25.5	1	208	626	1107	1551	1764	1841	1944	2172	2554
22.5	1	211	638	1121	1548	1723	1805	1923	2246	2794
19.5	1	213	647	1136	1556	1682	1777	1937	2321	3029
17.0	1	215	656	1146	1555	1648	1760	1959	2407	3255
15.0	1	216	663	1152	1553	1644	1750	1970	2486	3415
13.0	1	217	669	1156	1550	1639	1748	1997	2543	3685
11.0	1	221	674	1159	1546	1634	1747	2021	2617	3877
9.0	1	220	679	1164	1541	1628	1743	2046	2694	3993
7.0	1	220	682	1169	1535	1621	1738	2064	2765	4165
5.0	1	220	687	1172	1535	1615	1730	2073	2810	4325
3.0	1	219	687	1175	1535	1616	1731	2080	2835	4402
1.0	1	219	686	1173	1532	1615	1726	2085	2867	4460
0.0	1	219	686	1172	1531	1614	1724	2083	2875	4466
-1.0	1	219	686	1173	1532	1615	1726	2085	2867	4460
-3.0	1	219	687	1175	1535	1616	1731	2080	2835	4402
-5.0	1	220	687	1172	1535	1615	1730	2073	2810	4325
-7.0	1	220	682	1169	1535	1621	1738	2064	2765	4165
-9.0	1	220	679	1164	1541	1628	1743	2046	2694	3993
-11.0	1	221	674	1159	1546	1634	1747	2021	2617	3877
-13.0	1	217	669	1156	1550	1639	1748	1997	2543	3685
-15.0	1	216	663	1152	1553	1644	1750	1970	2486	3415
-17.0	1	215	656	1146	1555	1648	1760	1959	2407	3255
-19.5	1	213	647	1136	1556	1682	1777	1937	2321	3029
-22.5	1	211	638	1121	1548	1723	1805	1923	2246	2794
-25.5	1	208	626	1107	1551	1764	1841	1944	2172	2554
-29.0	0	204	610	1076	1547	1796	1904	1990	2102	2342
-33.0	0	198	589	1039	1522	1832	1978	2074	2106	2208
-37.5	0	192	561	996	1480	1861	2039	2142	2188	2212
-42.5	0	183	527	946	1411	1850	2060	2169	2252	2305
-47.5	0	174	488	888	1332	1775	2017	2181	2264	2335
-55.0	0	159	426	789	1192	1514	1736	1946	2091	2220
-65.0	0	124	337	632	972	1217	1375	1494	1591	1621
-75.0	0	76	245	445	670	810	898	976	1027	1020
-85.0	0	26	101	225	335	367	385	398	396	378
-90.0	0	0	0	0	1	1	1	1	1	1

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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	1	1	1	1	1	1	1	1	1	1
85.0	360	353	347	341	336	336	341	338	335	332
75.0	1009	1005	1002	997	991	990	989	987	982	981
65.0	1645	1658	1697	1728	1752	1773	1789	1804	1817	1828
55.0	2284	2349	2405	2430	2449	2468	2487	2505	2522	2539
47.5	2374	2389	2403	2404	2400	2396	2394	2399	2405	2413
42.5	2326	2323	2316	2306	2299	2292	2283	2277	2273	2269
37.5	2242	2276	2332	2372	2384	2403	2409	2403	2403	2394
33.0	2357	2528	2694	2833	2931	2993	3072	3132	3185	3222
29.0	2679	3026	3439	3788	4030	4375	4615	4765	4929	5132
25.5	3083	3734	4545	5364	6076	6758	7286	7819	8176	8463
22.5	3556	4612	6016	7461	8826	9933	10923	12136	12850	13344
19.5	4186	5734	7859	10066	12156	14577 *	16787 *	19866 *	21918 *	23323 *
17.0	4731	6815	9568	12730	15575 *	20234 *	24570 *	30124 *	34891 *	38048 *
15.0	5223	7638	11026	14772 *	20121 *	25948 *	33903 *	40880 *	49661 *	56098 *
13.0	5656	8379	12490	18326 *	24769 *	34444 *	45005 *	56871 *	67226 *	77028 *
11.0	5986	8952	14014	21377 *	31675 *	43843 *	58886 *	73615 *	87400 *	98270 *
9.0	6327	9736	16185 *	26023 *	37339 *	54240 *	72027 *	90270 *	104439 *	116415 *
7.0	6540	10206	17538 *	29638 *	44405 *	62607 *	83512 *	101907 *	118362 *	126900 *
5.0	6730	10536	18311 *	31851 *	49639 *	70051 *	91139 *	110075 *	122787 *	132179 *
3.0	6768	10660	19805 *	34542 *	52911 *	74713 *	95920 *	113741 *	125589 *	131619 *
1.0	6797	10751	20672 *	36146 *	54228 *	76219 *	97515 *	114412 *	125286 *	130943 *
0.0	6796	10749	20836 *	36446 *	53870 *	76202 *	97140 *	113684 *	124530 *	130074 *
-1.0	6797	10751	20672 *	36146 *	54228 *	76219 *	97515 *	114412 *	125286 *	130943 *
-3.0	6768	10660	19805 *	34542 *	52911 *	74713 *	95920 *	113741 *	125589 *	131619 *
-5.0	6730	10536	18311 *	31851 *	49639 *	70051 *	91139 *	110075 *	122787 *	132179 *
-7.0	6540	10206	17538 *	29638 *	44405 *	62607 *	83512 *	101907 *	118362 *	126900 *
-9.0	6327	9736	16185 *	26023 *	37339 *	54240 *	72027 *	90270 *	104439 *	116415 *
-11.0	5986	8952	14014	21377 *	31675 *	43843 *	58886 *	73615 *	87400 *	98270 *
-13.0	5656	8379	12490	18326 *	24769 *	34444 *	45005 *	56871 *	67226 *	77028 *
-15.0	5223	7638	11026	14772 *	20121 *	25948 *	33903 *	40880 *	49661 *	56098 *
-17.0	4731	6815	9568	12730	15575 *	20234 *	24570 *	30124 *	34891 *	38048 *
-19.5	4186	5734	7859	10066	12156	14577 *	16787 *	19866 *	21918 *	23323 *
-22.5	3556	4612	6016	7461	8826	9933	10923	12136	12850	13344
-25.5	3083	3734	4545	5364	6076	6758	7286	7819	8176	8463
-29.0	2679	3026	3439	3788	4030	4375	4615	4765	4929	5132
-33.0	2357	2528	2694	2833	2931	2993	3072	3132	3185	3222
-37.5	2242	2276	2332	2372	2384	2403	2409	2403	2403	2394
-42.5	2326	2323	2316	2306	2299	2292	2283	2277	2273	2269
-47.5	2374	2389	2403	2404	2400	2396	2394	2399	2405	2413
-55.0	2284	2349	2405	2430	2449	2468	2487	2505	2522	2539
-65.0	1645	1658	1697	1728	1752	1773	1789	1804	1817	1828
-75.0	1009	1005	1002	997	991	990	989	987	982	981
-85.0	360	353	347	341	336	336	341	338	335	332
-90.0	1	1	1	1	1	1	1	1	1	1

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	1	1	1	1	1	1	1	1	1	1
85.0	331	330	330	330	331	332	335	338	341	336
75.0	980	981	981	981	980	981	982	987	989	990
65.0	1835	1834	1833	1834	1835	1828	1817	1804	1789	1773

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CANDELA TABULATION - (Cont.)

55.0	2551	2554	2556	2554	2551	2539	2522	2505	2487	2468
47.5	2419	2420	2421	2420	2419	2413	2405	2399	2394	2396
42.5	2263	2264	2264	2264	2263	2269	2273	2277	2283	2292
37.5	2378	2378	2375	2378	2378	2394	2403	2403	2409	2403
33.0	3228	3242	3241	3242	3228	3222	3185	3132	3072	2993
29.0	5224	5334	5378	5334	5224	5132	4929	4765	4615	4375
25.5	8610	8738	8795	8738	8610	8463	8176	7819	7286	6758
22.5	13773	14083	14149	14083	13773	13344	12850	12136	10923	9933
19.5	25080 *	26295 *	26756 *	26295 *	25080 *	23323 *	21918 *	19866 *	16787 *	14577 *
17.0	41419 *	43667 *	44224 *	43667 *	41419 *	38048 *	34891 *	30124 *	24570 *	20234 *
15.0	60551 *	63006 *	63434 *	63006 *	60551 *	56098 *	49661 *	40880 *	33903 *	25948 *
13.0	84229 *	87756 *	87852 *	87756 *	84229 *	77028 *	67226 *	56871 *	45005 *	34444 *
11.0	106160 *	110152 *	110085 *	110152 *	106160 *	98270 *	87400 *	73615 *	58886 *	43843 *
9.0	123629 *	127212 *	127314 *	127212 *	123629 *	116415 *	104439 *	90270 *	72027 *	54240 *
7.0	134378 *	137740 *	138083 *	137740 *	134378 *	126900 *	118362 *	101907 *	83512 *	62607 *
5.0	137292 *	141634 *	142308 *	141634 *	137292 *	132179 *	122787 *	110075 *	91139 *	70051 *
3.0	136398 *	138987 *	139574 *	138987 *	136398 *	131619 *	125589 *	113741 *	95920 *	74713 *
1.0	134648 *	136877 *	137634 *	136877 *	134648 *	130943 *	125286 *	114412 *	97515 *	76219 *
0.0	134006 *	136073 *	136796 *	136073 *	134006 *	130074 *	124530 *	113684 *	97140 *	76202 *
-1.0	134648 *	136877 *	137634 *	136877 *	134648 *	130943 *	125286 *	114412 *	97515 *	76219 *
-3.0	136398 *	138987 *	139574 *	138987 *	136398 *	131619 *	125589 *	113741 *	95920 *	74713 *
-5.0	137292 *	141634 *	142308 *	141634 *	137292 *	132179 *	122787 *	110075 *	91139 *	70051 *
-7.0	134378 *	137740 *	138083 *	137740 *	134378 *	126900 *	118362 *	101907 *	83512 *	62607 *
-9.0	123629 *	127212 *	127314 *	127212 *	123629 *	116415 *	104439 *	90270 *	72027 *	54240 *
-11.0	106160 *	110152 *	110085 *	110152 *	106160 *	98270 *	87400 *	73615 *	58886 *	43843 *
-13.0	84229 *	87756 *	87852 *	87756 *	84229 *	77028 *	67226 *	56871 *	45005 *	34444 *
-15.0	60551 *	63006 *	63434 *	63006 *	60551 *	56098 *	49661 *	40880 *	33903 *	25948 *
-17.0	41419 *	43667 *	44224 *	43667 *	41419 *	38048 *	34891 *	30124 *	24570 *	20234 *
-19.5	25080 *	26295 *	26756 *	26295 *	25080 *	23323 *	21918 *	19866 *	16787 *	14577 *
-22.5	13773	14083	14149	14083	13773	13344	12850	12136	10923	9933
-25.5	8610	8738	8795	8738	8610	8463	8176	7819	7286	6758
-29.0	5224	5334	5378	5334	5224	5132	4929	4765	4615	4375
-33.0	3228	3242	3241	3242	3228	3222	3185	3132	3072	2993
-37.5	2378	2378	2375	2378	2378	2394	2403	2403	2409	2403
-42.5	2263	2264	2264	2264	2263	2269	2273	2277	2283	2292
-47.5	2419	2420	2421	2420	2419	2413	2405	2399	2394	2396
-55.0	2551	2554	2556	2554	2551	2539	2522	2505	2487	2468
-65.0	1835	1834	1833	1834	1835	1828	1817	1804	1789	1773
-75.0	980	981	981	981	980	981	982	987	989	990
-85.0	331	330	330	330	331	332	335	338	341	336
-90.0	1	1	1	1	1	1	1	1	1	1

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	1	1	1	1	1	1	1	1	1	1
85.0	336	341	347	353	360	378	396	398	385	367
75.0	991	997	1002	1005	1009	1020	1027	976	898	810
65.0	1752	1728	1697	1658	1645	1621	1591	1494	1375	1217
55.0	2449	2430	2405	2349	2284	2220	2091	1946	1736	1514
47.5	2400	2404	2403	2389	2374	2335	2264	2181	2017	1775
42.5	2299	2306	2316	2323	2326	2305	2252	2169	2060	1850
37.5	2384	2372	2332	2276	2242	2212	2188	2142	2039	1861
33.0	2931	2833	2694	2528	2357	2208	2106	2074	1978	1832
29.0	4030	3788	3439	3026	2679	2342	2102	1990	1904	1796
25.5	6076	5364	4545	3734	3083	2554	2172	1944	1841	1764

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CANDELA TABULATION - (Cont.)

22.5	8826	7461	6016	4612	3556	2794	2246	1923	1805	1723
19.5	12156	10066	7859	5734	4186	3029	2321	1937	1777	1682
17.0	15575 *	12730	9568	6815	4731	3255	2407	1959	1760	1648
15.0	20121 *	14772 *	11026	7638	5223	3415	2486	1970	1750	1644
13.0	24769 *	18326 *	12490	8379	5656	3685	2543	1997	1748	1639
11.0	31675 *	21377 *	14014	8952	5986	3877	2617	2021	1747	1634
9.0	37339 *	26023 *	16185 *	9736	6327	3993	2694	2046	1743	1628
7.0	44405 *	29638 *	17538 *	10206	6540	4165	2765	2064	1738	1621
5.0	49639 *	31851 *	18311 *	10536	6730	4325	2810	2073	1730	1615
3.0	52911 *	34542 *	19805 *	10660	6768	4402	2835	2080	1731	1616
1.0	54228 *	36146 *	20672 *	10751	6797	4460	2867	2085	1726	1615
0.0	53870 *	36446 *	20836 *	10749	6796	4466	2875	2083	1724	1614
-1.0	54228 *	36146 *	20672 *	10751	6797	4460	2867	2085	1726	1615
-3.0	52911 *	34542 *	19805 *	10660	6768	4402	2835	2080	1731	1616
-5.0	49639 *	31851 *	18311 *	10536	6730	4325	2810	2073	1730	1615
-7.0	44405 *	29638 *	17538 *	10206	6540	4165	2765	2064	1738	1621
-9.0	37339 *	26023 *	16185 *	9736	6327	3993	2694	2046	1743	1628
-11.0	31675 *	21377 *	14014	8952	5986	3877	2617	2021	1747	1634
-13.0	24769 *	18326 *	12490	8379	5656	3685	2543	1997	1748	1639
-15.0	20121 *	14772 *	11026	7638	5223	3415	2486	1970	1750	1644
-17.0	15575 *	12730	9568	6815	4731	3255	2407	1959	1760	1648
-19.5	12156	10066	7859	5734	4186	3029	2321	1937	1777	1682
-22.5	8826	7461	6016	4612	3556	2794	2246	1923	1805	1723
-25.5	6076	5364	4545	3734	3083	2554	2172	1944	1841	1764
-29.0	4030	3788	3439	3026	2679	2342	2102	1990	1904	1796
-33.0	2931	2833	2694	2528	2357	2208	2106	2074	1978	1832
-37.5	2384	2372	2332	2276	2242	2212	2188	2142	2039	1861
-42.5	2299	2306	2316	2323	2326	2305	2252	2169	2060	1850
-47.5	2400	2404	2403	2389	2374	2335	2264	2181	2017	1775
-55.0	2449	2430	2405	2349	2284	2220	2091	1946	1736	1514
-65.0	1752	1728	1697	1658	1645	1621	1591	1494	1375	1217
-75.0	991	997	1002	1005	1009	1020	1027	976	898	810
-85.0	336	341	347	353	360	378	396	398	385	367
-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	335	225	101	26	0
75.0	670	445	245	76	0
65.0	972	632	337	124	0
55.0	1192	789	426	159	0
47.5	1332	888	488	174	0
42.5	1411	946	527	183	0
37.5	1480	996	561	192	0
33.0	1522	1039	589	198	0
29.0	1547	1076	610	204	0
25.5	1551	1107	626	208	1
22.5	1548	1121	638	211	1
19.5	1556	1136	647	213	1
17.0	1555	1146	656	215	1
15.0	1553	1152	663	216	1
13.0	1550	1156	669	217	1
11.0	1546	1159	674	221	1
9.0	1541	1164	679	220	1

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

CANDELA TABULATION - (Cont.)

7.0	1535	1169	682	220	1
5.0	1535	1172	687	220	1
3.0	1535	1175	687	219	1
1.0	1532	1173	686	219	1
0.0	1531	1172	686	219	1
-1.0	1532	1173	686	219	1
-3.0	1535	1175	687	219	1
-5.0	1535	1172	687	220	1
-7.0	1535	1169	682	220	1
-9.0	1541	1164	679	220	1
-11.0	1546	1159	674	221	1
-13.0	1550	1156	669	217	1
-15.0	1553	1152	663	216	1
-17.0	1555	1146	656	215	1
-19.5	1556	1136	647	213	1
-22.5	1548	1121	638	211	1
-25.5	1551	1107	626	208	1
-29.0	1547	1076	610	204	0
-33.0	1522	1039	589	198	0
-37.5	1480	996	561	192	0
-42.5	1411	946	527	183	0
-47.5	1332	888	488	174	0
-55.0	1192	789	426	159	0
-65.0	972	632	337	124	0
-75.0	670	445	245	76	0
-85.0	335	225	101	26	0
-90.0	1	0	0	0	0

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

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 21232.18

Total Field Lumens (one side of beam only) = 15514.47

* 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	0.50	0.51	0.51	0.51	0.51	0.51	0.51	0.50	0.62
75	2.00	3.99	3.99	3.98	3.98	3.98	3.96	3.92	3.90	4.86
65	4.29	8.57	8.54	8.49	8.43	8.35	8.25	8.14	8.01	9.81
55	6.68	13.35	13.30	13.19	13.04	12.88	12.69	12.48	12.24	14.93
47.5	5.68	11.35	11.31	11.22	11.12	11.01	10.89	10.77	10.63	13.07
42.5	3.57	7.13	7.11	7.09	7.05	7.01	6.98	6.94	6.89	8.52
37.5	3.53	7.06	7.07	7.07	7.06	7.03	6.99	6.93	6.85	8.43
33	3.85	7.69	7.67	7.64	7.55	7.44	7.29	7.12	6.93	8.32
29	5.24	10.37	10.21	9.98	9.66	9.35	8.97	8.47	7.95	9.22
25.5	7.53	14.87	14.59	14.15	13.56	12.85	12.01	10.99	9.87	10.84
22.5	10.46	20.64	20.14	19.46	18.54	17.17	15.60	14.01	12.18	12.68
19.5	18.57 *	36.18 *	34.42 *	32.46 *	30.21 *	26.87 *	23.34	20.17	16.91	17.03
17	26.83 *	51.93 *	48.57 *	44.75 *	40.27 *	34.25 *	28.37 *	23.11 *	18.49	18.18
15	32.64 *	63.51 *	59.59 *	54.13 *	46.92 *	38.84 *	31.18 *	24.20 *	18.50 *	17.39
13	46.00 *	89.97 *	84.44 *	75.74 *	64.74 *	52.99 *	41.50 *	31.12 *	22.84 *	20.47
11	60.29 *	118.20 *	111.12 *	99.94 *	86.00 *	70.31 *	54.28 *	39.82 *	28.15 *	23.94 *
9	72.31 *	142.21 *	135.06 *	123.15 *	107.30 *	88.43 *	68.23 *	49.39 *	34.09 *	28.06 *
7	80.77 *	159.20 *	152.33 *	141.20 *	125.17 *	104.31 *	81.16 *	58.69 *	40.23 *	32.32 *
5	85.25 *	167.75 *	161.27 *	151.54 *	136.68 *	115.98 *	91.56 *	67.00 *	45.54 *	35.20 *
3	85.67 *	168.74 *	163.32 *	155.15 *	142.43 *	123.25 *	98.87 *	73.09 *	49.47 *	37.79 *
1	84.23 *	166.49 *	162.14 *	155.54 *	144.49 *	126.47 *	102.60 *	76.27 *	52.07 *	40.20 *
0	41.68 *	82.44 *	80.47 *	77.37 *	72.08 *	63.41 *	51.70 *	38.50 *	26.45 *	20.63 *
-1	41.68 *	82.44 *	80.47 *	77.37 *	72.08 *	63.41 *	51.70 *	38.50 *	26.45 *	20.63 *
	84.23 *	166.49 *	162.14 *	155.54 *	144.49 *	126.47 *	102.60 *	76.27 *	52.07 *	40.20 *

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

LUMENS TABULATION - (Cont.)

-3	85.67 *	168.74 *	163.32 *	155.15 *	142.43 *	123.25 *	98.87 *	73.09 *	49.47 *	37.79 *
-5	85.25 *	167.75 *	161.27 *	151.54 *	136.68 *	115.98 *	91.56 *	67.00 *	45.54 *	35.20 *
-7	80.77 *	159.20 *	152.33 *	141.20 *	125.17 *	104.31 *	81.16 *	58.69 *	40.23 *	32.32 *
-9	72.31 *	142.21 *	135.06 *	123.15 *	107.30 *	88.43 *	68.23 *	49.39 *	34.09 *	28.06 *
-11	60.29 *	118.20 *	111.12 *	99.94 *	86.00 *	70.31 *	54.28 *	39.82 *	28.15 *	23.94 *
-13	46.00 *	89.97 *	84.44 *	75.74 *	64.74 *	52.99 *	41.50 *	31.12 *	22.84 *	20.47
-15	32.64 *	63.51 *	59.59 *	54.13 *	46.92 *	38.84 *	31.18 *	24.20 *	18.50 *	17.39
-17	26.83 *	51.93 *	48.57 *	44.75 *	40.27 *	34.25 *	28.37 *	23.11 *	18.49	18.18
-19.5	18.57 *	36.18 *	34.42 *	32.46 *	30.21 *	26.87 *	23.34	20.17	16.91	17.03
-22.5	10.46	20.64	20.14	19.46	18.54	17.17	15.60	14.01	12.18	12.68
-25.5	7.53	14.87	14.59	14.15	13.56	12.85	12.01	10.99	9.87	10.84
-29	5.24	10.37	10.21	9.98	9.66	9.35	8.97	8.47	7.95	9.22
-33	3.85	7.69	7.67	7.64	7.55	7.44	7.29	7.12	6.93	8.32
-37.5	3.53	7.06	7.07	7.07	7.06	7.03	6.99	6.93	6.85	8.43
-42.5	3.57	7.13	7.11	7.09	7.05	7.01	6.98	6.94	6.89	8.52
-47.5	5.68	11.35	11.31	11.22	11.12	11.01	10.89	10.77	10.63	13.07
-55	6.68	13.35	13.30	13.19	13.04	12.88	12.69	12.48	12.24	14.93
-65	4.29	8.57	8.54	8.49	8.43	8.35	8.25	8.14	8.01	9.81
-75	2.00	3.99	3.99	3.98	3.98	3.98	3.96	3.92	3.90	4.86
-85	0.25	0.50	0.51	0.51	0.51	0.51	0.51	0.50	0.50	0.62
-90										
Total	1374.65	2704.28	2594.35	2427.53	2193.61	1885.37	1533.84	1183.21	877.38	785.06

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.75	0.75	0.88	1.01	1.11	1.14	1.01	1.26	1.07	0.42
85	5.77	5.69	6.56	7.36	7.83	7.75	6.62	7.80	6.37	2.64
75	11.44	11.10	12.55	13.73	14.24	13.83	11.57	13.11	10.34	4.32
65	17.29	16.56	18.41	19.64	19.93	19.10	15.72	17.49	13.63	5.68
55	15.27	14.71	16.37	17.45	17.80	17.23	14.22	15.58	11.98	5.06

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5	10.06	9.82	11.06	11.95	12.40	12.29	10.37	11.37	8.70	3.71
42.5	9.86	9.57	10.76	11.69	12.24	12.26	10.51	11.79	9.19	3.94
37.5	9.43	8.83	9.62	10.24	10.71	10.80	9.34	10.76	8.62	3.73
33	9.97	8.84	9.08	9.15	9.26	9.27	8.09	9.57	7.89	3.45
29	11.01	9.15	8.84	8.38	8.04	7.84	6.88	8.32	7.03	3.11
25.5	12.10	9.38	8.52	7.65	6.95	6.57	5.76	7.06	6.08	2.73
22.5	15.50	11.32	9.64	8.14	7.07	6.51	5.64	6.98	6.12	2.76
19.5	15.98	11.20	9.00	7.19	6.03	5.42	4.62	5.75	5.13	2.33
17	14.95	10.19	7.88	6.04	4.94	4.34	3.66	4.57	4.11	1.88
15	16.86	11.23	8.52	6.33	5.03	4.35	3.65	4.56	4.12	1.89
13	18.70	12.09	9.10	6.64	5.14	4.38	3.64	4.55	4.12	1.90
11	20.85	12.94	9.56	6.88	5.25	4.41	3.63	4.54	4.11	1.91
9	22.89	13.69	9.96	7.11	5.35	4.43	3.62	4.52	4.11	1.92
7	24.14	14.20	10.31	7.34	5.43	4.44	3.61	4.51	4.12	1.93
5	25.30 *	14.48	10.53	7.50	5.48	4.44	3.60	4.50	4.12	1.94
3	26.40 *	14.60	10.63	7.60	5.52	4.45	3.60	4.50	4.12	1.94
1	13.44 *	7.32	5.34	3.83	2.77	2.22	1.80	2.25	2.06	0.97
0	13.44 *	7.32	5.34	3.83	2.77	2.22	1.80	2.25	2.06	0.97
-1	26.40 *	14.60	10.63	7.60	5.52	4.45	3.60	4.50	4.12	1.94
-3	25.30 *	14.48	10.53	7.50	5.48	4.44	3.60	4.50	4.12	1.94
-5	24.14	14.20	10.31	7.34	5.43	4.44	3.61	4.51	4.12	1.93
-7	22.89	13.69	9.96	7.11	5.35	4.43	3.62	4.52	4.11	1.92
-9	20.85	12.94	9.56	6.88	5.25	4.41	3.63	4.54	4.11	1.91
-11	18.70	12.09	9.10	6.64	5.14	4.38	3.64	4.55	4.12	1.90
-13	16.86	11.23	8.52	6.33	5.03	4.35	3.65	4.56	4.12	1.89
-15	14.95	10.19	7.88	6.04	4.94	4.34	3.66	4.57	4.11	1.88
-17	15.98	11.20	9.00	7.19	6.03	5.42	4.62	5.75	5.13	2.33
-19.5	15.50	11.32	9.64	8.14	7.07	6.51	5.64	6.98	6.12	2.76

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

LUMENS TABULATION - (Cont.)

-22.5	12.10	9.38	8.52	7.65	6.95	6.57	5.76	7.06	6.08	2.73
-25.5	11.01	9.15	8.84	8.38	8.04	7.84	6.88	8.32	7.03	3.11
-29	9.97	8.84	9.08	9.15	9.26	9.27	8.09	9.57	7.89	3.45
-33	9.43	8.83	9.62	10.24	10.71	10.80	9.34	10.76	8.62	3.73
-37.5	9.86	9.57	10.76	11.69	12.24	12.26	10.51	11.79	9.19	3.94
-42.5	10.06	9.82	11.06	11.95	12.40	12.29	10.37	11.37	8.70	3.71
-47.5	15.27	14.71	16.37	17.45	17.80	17.23	14.22	15.58	11.98	5.06
-55	17.29	16.56	18.41	19.64	19.93	19.10	15.72	17.49	13.63	5.68
-65	11.44	11.10	12.55	13.73	14.24	13.83	11.57	13.11	10.34	4.32
-75	5.77	5.69	6.56	7.36	7.83	7.75	6.62	7.80	6.37	2.64
-85	0.75	0.75	0.88	1.01	1.11	1.14	1.01	1.26	1.07	0.42
-90										
Total	655.88	475.29	426.23	385.70	357.07	334.93	282.35	330.66	274.24	120.32

Vert. Angles	Horizontal Angles		
	<u>75</u>	<u>85</u>	<u>90</u>
90			
	0.08	0.00	14.40
85			
	0.59	0.02	103.56
75			
	1.03	0.03	198.15
65			
	1.38	0.05	289.66
55			
	1.24	0.04	253.98
47.5			
	0.91	0.03	170.95
42.5			
	0.97	0.03	170.84
37.5			
	0.92	0.03	164.53
33			
	0.85	0.03	174.85
29			
	0.76	0.02	200.63
25.5			
	0.67	0.02	234.36
22.5			
	0.68	0.02	336.54
19.5			
	0.57	0.02	407.99
17			
	0.46	0.01	449.95

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

LUMENS TABULATION - (Cont.)

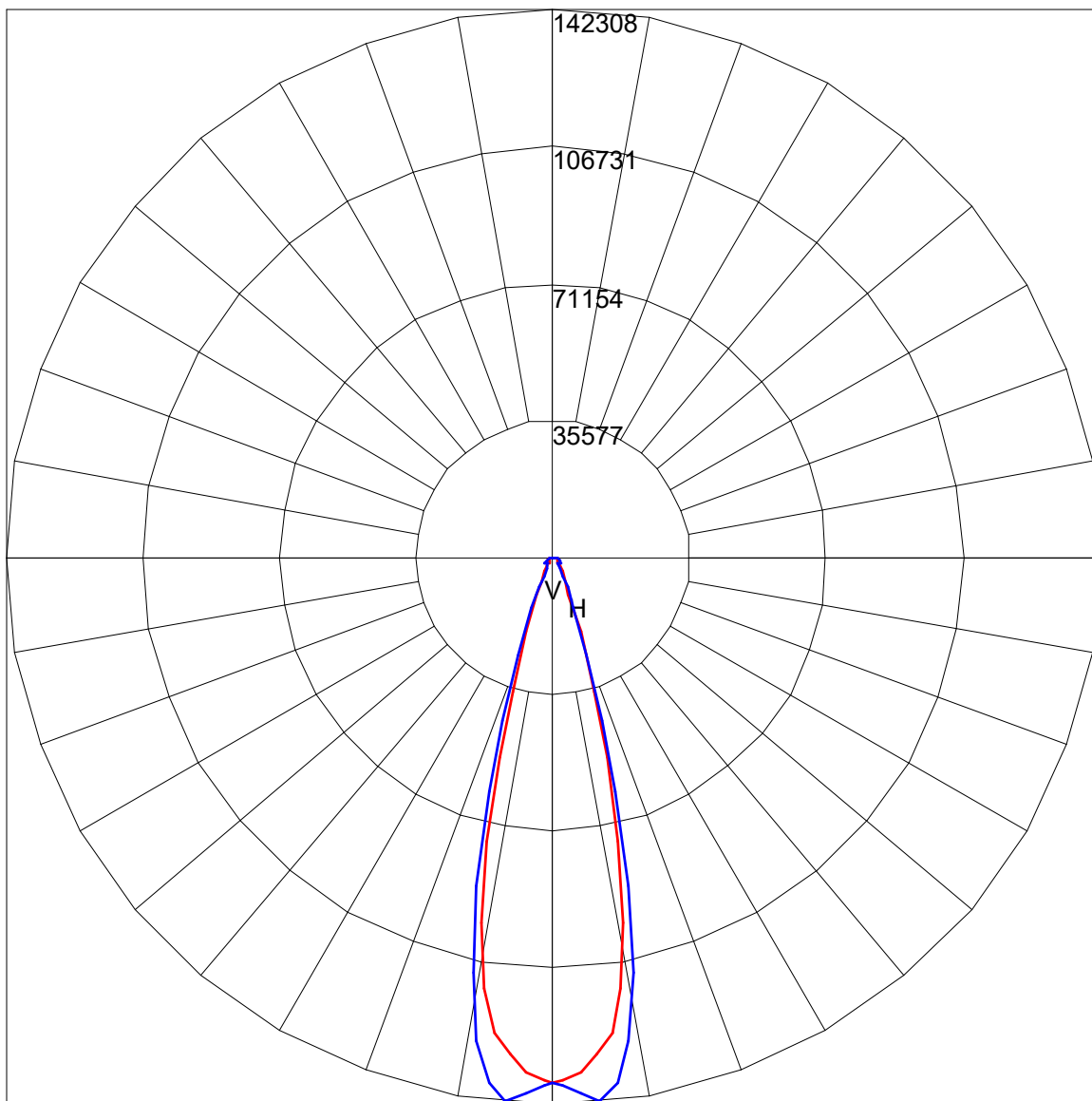
15	0.47	0.01	596.84
13	0.47	0.01	762.80
11	0.47	0.01	922.79
9	0.48	0.01	1053.49
7	0.48	0.01	1138.28
5	0.48	0.01	1180.18
3	0.48	0.01	1194.34
1	0.24	0.01	596.97
0	0.24	0.01	596.97
-1	0.48	0.01	1194.34
-3	0.48	0.01	1180.18
-5	0.48	0.01	1138.28
-7	0.48	0.01	1053.49
-9	0.47	0.01	922.79
-11	0.47	0.01	762.80
-13	0.47	0.01	596.84
-15	0.46	0.01	449.95
-17	0.57	0.02	407.99
-19.5	0.68	0.02	336.54
-22.5	0.67	0.02	234.36
-25.5	0.76	0.02	200.63
-29	0.85	0.03	174.85
-33	0.92	0.03	164.53
-37.5	0.97	0.03	170.84
-42.5	0.91	0.03	170.95
-47.5	1.24	0.04	253.98
-55	1.38	0.05	289.66
-65	1.03	0.03	198.15

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

LUMENS TABULATION - (Cont.)

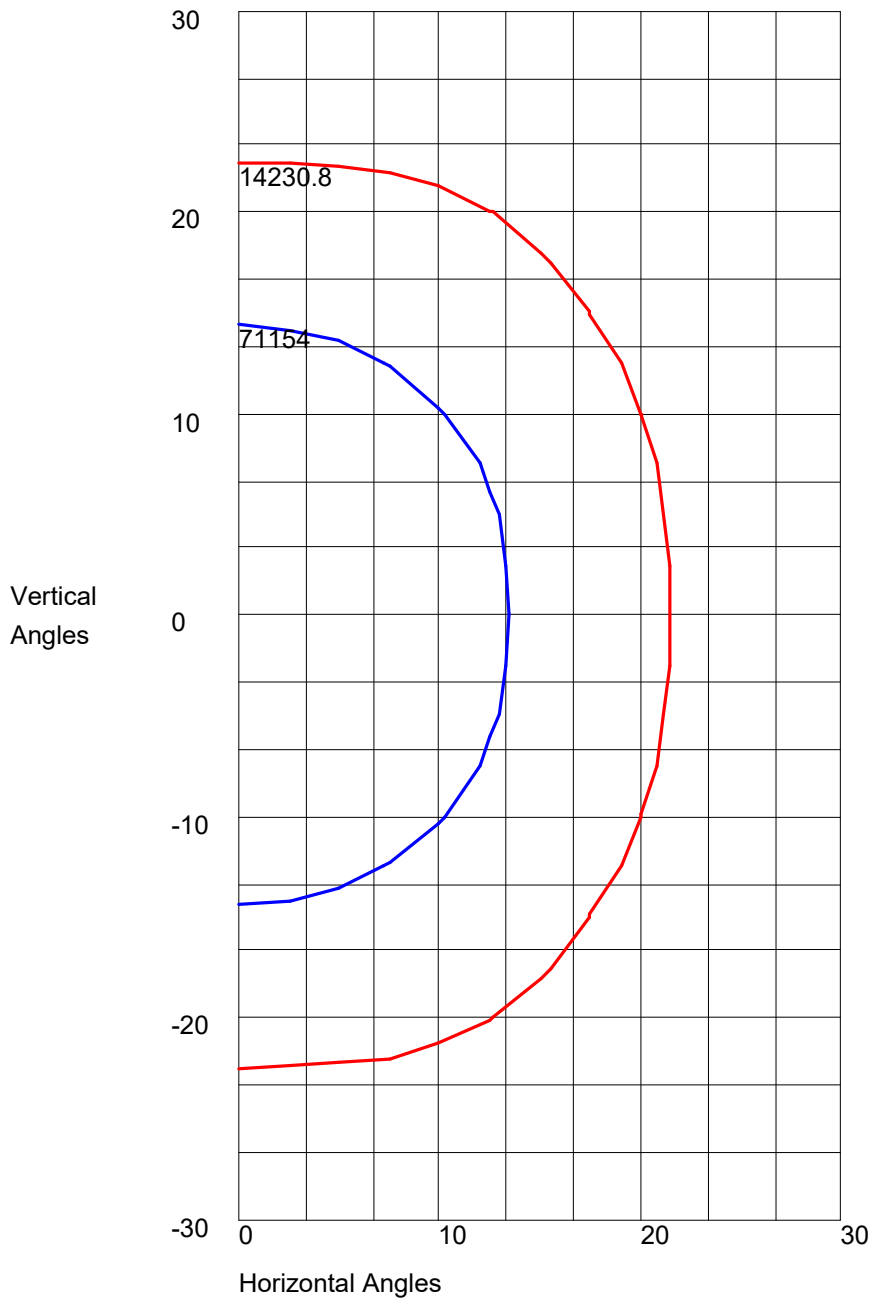
-75	0.59	0.02	103.56
-85	0.08	0.00	14.40
-90			
Total	29.32	0.93	21232.2

AXIAL CANDELA DISPLAY



Maximum Candela = 142308 Located At Horizontal Angle = 0, Vertical Angle = -5
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 142308 Located At Horizontal Angle = 0, Vertical Angle = -5
50% Maximum Candela = 71154
10% Maximum Candela = 14230.8