



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-42L-PC-NF-40-80-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-40-80-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	146102
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	20729
Beam Efficiency	N.A.
Field Lumens	30872
Field Efficiency	N.A.
Spill Lumens	8408
Luminaire Lumens	39280
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	53
75	90	75	659
65	470	65	1469
55	888	55	2199
47.5	1134	47.5	2221
42.5	1344	42.5	2273
37.5	1730	37.5	2409
33	2491	33	3312
29	4058	29	5350
25.5	6506	25.5	8889
22.5	10515	22.5	14509
19.5	20764	19.5	24749
17	36831	17	39304
15	54738	15	57370
13	76845	13	79320
11	97506	11	100964
9	114059	9	118763
7	125365	7	130756
5	131809	5	136562
3	136683	3	138499
1	138783	1	139216
0	139371	0	139371
-1	138783	-1	140805
-3	136683	-3	143584
-5	131809	-5	146102
-7	125365	-7	142134
-9	114059	-9	132986
-11	97506	-11	117487
-13	76845	-13	96036
-15	54738	-15	70606
-17	36831	-17	48888
-19.5	20764	-19.5	28856
-22.5	10515	-22.5	14701
-25.5	6506	-25.5	8569
-29	4058	-29	4976
-33	2491	-33	2833
-37.5	1730	-37.5	1947
-42.5	1344	-42.5	1776
-47.5	1134	-47.5	1825
-55	888	-55	1439
-65	470	-65	616
-75	90	-75	23
-85	10	-85	18
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 146102

Beam Edge = 73051 Cd (50% of Max.)

Field Edge = 14610.2 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	31	37	43	51	56	57
75.0	0	4	14	27	72	161	254	357	437	470
65.0	0	7	19	66	255	476	627	789	940	1026
55.0	0	8	29	163	488	791	1021	1247	1471	1650
47.5	0	9	40	246	668	1059	1354	1564	1757	1906
42.5	0	9	53	300	786	1208	1503	1707	1906	2038
37.5	0	10	63	349	853	1283	1560	1765	1915	2032
33.0	0	10	70	390	895	1285	1530	1737	1873	2045
29.0	0	10	79	422	918	1266	1479	1678	1878	2160
25.5	0	10	85	448	923	1247	1430	1640	1926	2346
22.5	0	10	89	459	919	1219	1404	1614	1976	2544
19.5	0	10	92	471	926	1187	1384	1620	2022	2750
17.0	0	10	93	477	926	1158	1370	1637	2093	2937
15.0	0	10	94	480	925	1158	1361	1645	2169	3062
13.0	0	10	95	482	922	1157	1362	1665	2221	3321
11.0	0	10	95	481	917	1155	1365	1684	2283	3507
9.0	0	10	95	483	911	1152	1364	1705	2354	3620
7.0	0	10	95	483	904	1147	1360	1718	2422	3790
5.0	0	10	95	481	901	1143	1352	1724	2466	3947
3.0	0	10	93	480	899	1143	1354	1728	2488	4019
1.0	0	10	91	473	892	1137	1347	1732	2495	4061
0.0	0	10	90	470	888	1134	1344	1730	2491	4058
-1.0	0	10	89	468	887	1132	1344	1735	2502	4079
-3.0	0	10	88	464	885	1128	1345	1736	2506	4072
-5.0	0	10	87	456	879	1117	1337	1732	2489	4021
-7.0	0	10	84	447	872	1115	1340	1722	2447	3883
-9.0	0	10	82	437	868	1114	1339	1702	2378	3717
-11.0	0	10	79	426	863	1110	1333	1673	2298	3573
-13.0	0	10	77	415	855	1104	1324	1640	2219	3360
-15.0	0	10	74	402	845	1096	1311	1602	2151	3076
-17.0	0	9	70	387	833	1086	1298	1579	2061	2931
-19.5	0	9	66	367	814	1076	1279	1538	1942	2705
-22.5	0	9	60	339	784	1057	1253	1480	1820	2414
-25.5	0	9	54	311	748	1033	1221	1434	1694	2090
-29.0	0	9	46	273	699	990	1187	1382	1566	1822
-33.0	0	8	37	229	632	933	1145	1333	1464	1605
-37.5	0	8	31	182	549	865	1068	1264	1394	1496
-42.5	0	7	25	137	447	775	974	1165	1313	1452
-47.5	0	7	19	93	336	644	850	1076	1206	1349
-55.0	0	6	14	42	177	374	529	680	814	923
-65.0	0	4	9	16	33	86	154	240	319	372
-75.0	0	3	7	8	11	13	15	17	19	22
-85.0	0	1	4	8	18	20	21	22	22	22
-90.0	0	0	0	0	0	0	0	0	0	0

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	56	57	58	59	59	59	59	58	58	57
75.0	504	540	575	599	616	630	642	652	661	673
65.0	1097	1149	1224	1283	1328	1367	1393	1418	1441	1463
55.0	1747	1839	1932	1996	2044	2088	2119	2143	2166	2187
47.5	1993	2067	2112	2146	2171	2186	2195	2202	2210	2217
42.5	2151	2194	2234	2276	2278	2277	2275	2271	2270	2269
37.5	2135	2223	2317	2393	2426	2450	2458	2454	2452	2443
33.0	2245	2477	2710	2876	2981	3049	3145	3224	3284	3320
29.0	2564	2980	3476	3855	4105	4475	4740	4899	5061	5268
25.5	2933	3656	4559	5478	6228	6945	7507	8073	8442	8764
22.5	3354	4471	5988	7545	9016	10219	11349	12530	13149	13591
19.5	3874	5479	7771	10108	12275	14714 *	16878 *	19651 *	21360 *	22544 *
17.0	4352	6507	9440	12674	15549 *	19776 *	23569 *	28420 *	32603 *	35626 *
15.0	4838	7323	10838	14610	19694 *	24905 *	31615 *	37567 *	45329 *	51050 *
13.0	5256	8012	12162	17905 *	23950 *	32412 *	41325 *	51147 *	60678 *	69734 *
11.0	5596	8489	13477	20629 *	30237 *	40978 *	53594 *	66649 *	79735 *	89889 *
9.0	5940	9258	15370 *	24620 *	35268 *	51060 *	66720 *	82373 *	96623 *	108348 *
7.0	6151	9747	16839 *	28150 *	42277 *	59783 *	78894 *	95639 *	111038 *	119783 *
5.0	6334	10152	17863 *	30764 *	47409 *	67072 *	87576 *	105454 *	117622 *	127085 *
3.0	6374	10395	19508 *	34008 *	51302 *	71888 *	91864 *	109935 *	122669 *	129229 *
1.0	6463	10536	20557 *	36312 *	54374 *	75903 *	96411 *	113017 *	124565 *	131509 *
0.0	6506	10515	20764 *	36831 *	54738 *	76845 *	97506 *	114059 *	125365 *	131809 *
-1.0	6493	10479	20409 *	36237 *	54409 *	76996 *	97952 *	114770 *	126383 *	133313 *
-3.0	6452	10362	19591 *	34945 *	53975 *	76418 *	97595 *	115629 *	128080 *	134928 *
-5.0	6435	10268	18374 *	32682 *	51540 *	72797 *	94495 *	113475 *	126020 *	135175 *
-7.0	6276	9969	17648 *	30621 *	46573 *	66029 *	87556 *	105782 *	121167 *	130800 *
-9.0	6064	9542	16271 *	26726 *	38659 *	57244 *	75891 *	94047 *	109601 *	122154 *
-11.0	5684	8773	14102	21735 *	32442 *	45830 *	62018 *	78457 *	94113 *	105720 *
-13.0	5322	8135	12541	18699 *	25558 *	36193 *	48111 *	61897 *	73660 *	83964 *
-15.0	4925	7384	10891	15008 *	20739 *	27064 *	36198 *	44509 *	54455 *	61351 *
-17.0	4461	6601	9420	12813	15787 *	20791 *	25439 *	32113 *	37739 *	41417 *
-19.5	3925	5540	7786	10080	12298	14811 *	17107 *	20592 *	23034 *	24663 *
-22.5	3212	4321	5822	7240	8658	9905	10988	12209	13053	13700
-25.5	2654	3310	4179	4998	5726	6406	6920	7538	7899	8178
-29.0	2184	2540	2976	3367	3644	4007	4284	4498	4708	4894
-33.0	1788	1976	2165	2351	2474	2560	2672	2758	2816	2850
-37.5	1582	1655	1757	1834	1876	1925	1957	1974	1980	1976
-42.5	1536	1596	1648	1687	1716	1743	1766	1775	1776	1775
-47.5	1460	1523	1607	1661	1690	1723	1756	1765	1780	1800
-55.0	1016	1087	1161	1226	1274	1317	1352	1382	1408	1431
-65.0	409	441	487	518	540	559	578	593	606	616
-75.0	23	23	24	24	24	24	25	25	25	25
-85.0	22	22	22	23	23	22	22	21	21	20
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	55	54	53	54	55	57	58	58	59	59
75.0	668	662	659	662	668	673	661	652	642	630
65.0	1472	1470	1469	1470	1472	1463	1441	1418	1393	1367

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CANDELA TABULATION - (Cont.)

55.0	2200	2199	2199	2199	2200	2187	2166	2143	2119	2088
47.5	2222	2221	2221	2221	2222	2217	2210	2202	2195	2186
42.5	2272	2273	2273	2273	2272	2269	2270	2271	2275	2277
37.5	2426	2417	2409	2417	2426	2443	2452	2454	2458	2450
33.0	3325	3322	3312	3322	3325	3320	3284	3224	3145	3049
29.0	5364	5378	5350	5378	5364	5268	5061	4899	4740	4475
25.5	8950	8954	8889	8954	8950	8764	8442	8073	7507	6945
22.5	14022	14386	14509	14386	14022	13591	13149	12530	11349	10219
19.5	24181 *	24862 *	24749 *	24862 *	24181 *	22544 *	21360 *	19651 *	16878 *	14714 *
17.0	38062 *	39200 *	39304 *	39200 *	38062 *	35626 *	32603 *	28420 *	23569 *	19776 *
15.0	54489 *	56169 *	57370 *	56169 *	54489 *	51050 *	45329 *	37567 *	31615 *	24905 *
13.0	75464 *	77334 *	79320 *	77334 *	75464 *	69734 *	60678 *	51147 *	41325 *	32412 *
11.0	96749 *	99450 *	100964 *	99450 *	96749 *	89889 *	79735 *	66649 *	53594 *	40978 *
9.0	115050 *	118141 *	118763 *	118141 *	115050 *	108348 *	96623 *	82373 *	66720 *	51060 *
7.0	127337 *	130515 *	130756 *	130515 *	127337 *	119783 *	111038 *	95639 *	78894 *	59783 *
5.0	132140 *	136305 *	136562 *	136305 *	132140 *	127085 *	117622 *	105454 *	87576 *	67072 *
3.0	134658 *	138036 *	138499 *	138036 *	134658 *	129229 *	122669 *	109935 *	91864 *	71888 *
1.0	136152 *	138684 *	139216 *	138684 *	136152 *	131509 *	124565 *	113017 *	96411 *	75903 *
0.0	136683 *	138783 *	139371 *	138783 *	136683 *	131809 *	125365 *	114059 *	97506 *	76845 *
-1.0	137870 *	140114 *	140805 *	140114 *	137870 *	133313 *	126383 *	114770 *	97952 *	76996 *
-3.0	140055 *	142986 *	143584 *	142986 *	140055 *	134928 *	128080 *	115629 *	97595 *	76418 *
-5.0	140804 *	145432 *	146102 *	145432 *	140804 *	135175 *	126020 *	113475 *	94495 *	72797 *
-7.0	138119 *	141580 *	142134 *	141580 *	138119 *	130800 *	121167 *	105782 *	87556 *	66029 *
-9.0	129108 *	132488 *	132986 *	132488 *	129108 *	122154 *	109601 *	94047 *	75891 *	57244 *
-11.0	113137 *	116976 *	117487 *	116976 *	113137 *	105720 *	94113 *	78457 *	62018 *	45830 *
-13.0	91407 *	95520 *	96036 *	95520 *	91407 *	83964 *	73660 *	61897 *	48111 *	36193 *
-15.0	66577 *	70514 *	70606 *	70514 *	66577 *	61351 *	54455 *	44509 *	36198 *	27064 *
-17.0	45082 *	47538 *	48888 *	47538 *	45082 *	41417 *	37739 *	32113 *	25439 *	20791 *
-19.5	26688 *	27831 *	28856 *	27831 *	26688 *	24663 *	23034 *	20592 *	17107 *	14811 *
-22.5	14115	14673 *	14701 *	14673 *	14115	13700	13053	12209	10988	9905
-25.5	8325	8412	8569	8412	8325	8178	7899	7538	6920	6406
-29.0	4979	4961	4976	4961	4979	4894	4708	4498	4284	4007
-33.0	2851	2829	2833	2829	2851	2850	2816	2758	2672	2560
-37.5	1963	1947	1947	1947	1963	1976	1980	1974	1957	1925
-42.5	1773	1773	1776	1773	1773	1775	1776	1775	1766	1743
-47.5	1822	1822	1825	1822	1822	1800	1780	1765	1756	1723
-55.0	1442	1439	1439	1439	1442	1431	1408	1382	1352	1317
-65.0	620	617	616	617	620	616	606	593	578	559
-75.0	23	23	23	23	23	25	25	25	25	24
-85.0	18	18	18	18	18	20	21	21	22	22
-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	59	59	58	57	56	57	56	51	43	37
75.0	616	599	575	540	504	470	437	357	254	161
65.0	1328	1283	1224	1149	1097	1026	940	789	627	476
55.0	2044	1996	1932	1839	1747	1650	1471	1247	1021	791
47.5	2171	2146	2112	2067	1993	1906	1757	1564	1354	1059
42.5	2278	2276	2234	2194	2151	2038	1906	1707	1503	1208
37.5	2426	2393	2317	2223	2135	2032	1915	1765	1560	1283
33.0	2981	2876	2710	2477	2245	2045	1873	1737	1530	1285
29.0	4105	3855	3476	2980	2564	2160	1878	1678	1479	1266
25.5	6228	5478	4559	3656	2933	2346	1926	1640	1430	1247

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CANDELA TABULATION - (Cont.)

22.5	9016	7545	5988	4471	3354	2544	1976	1614	1404	1219
19.5	12275	10108	7771	5479	3874	2750	2022	1620	1384	1187
17.0	15549 *	12674	9440	6507	4352	2937	2093	1637	1370	1158
15.0	19694 *	14610	10838	7323	4838	3062	2169	1645	1361	1158
13.0	23950 *	17905 *	12162	8012	5256	3321	2221	1665	1362	1157
11.0	30237 *	20629 *	13477	8489	5596	3507	2283	1684	1365	1155
9.0	35268 *	24620 *	15370 *	9258	5940	3620	2354	1705	1364	1152
7.0	42277 *	28150 *	16839 *	9747	6151	3790	2422	1718	1360	1147
5.0	47409 *	30764 *	17863 *	10152	6334	3947	2466	1724	1352	1143
3.0	51302 *	34008 *	19508 *	10395	6374	4019	2488	1728	1354	1143
1.0	54374 *	36312 *	20557 *	10536	6463	4061	2495	1732	1347	1137
0.0	54738 *	36831 *	20764 *	10515	6506	4058	2491	1730	1344	1134
-1.0	54409 *	36237 *	20409 *	10479	6493	4079	2502	1735	1344	1132
-3.0	53975 *	34945 *	19591 *	10362	6452	4072	2506	1736	1345	1128
-5.0	51540 *	32682 *	18374 *	10268	6435	4021	2489	1732	1337	1117
-7.0	46573 *	30621 *	17648 *	9969	6276	3883	2447	1722	1340	1115
-9.0	38659 *	26726 *	16271 *	9542	6064	3717	2378	1702	1339	1114
-11.0	32442 *	21735 *	14102	8773	5684	3573	2298	1673	1333	1110
-13.0	25558 *	18699 *	12541	8135	5322	3360	2219	1640	1324	1104
-15.0	20739 *	15008 *	10891	7384	4925	3076	2151	1602	1311	1096
-17.0	15787 *	12813	9420	6601	4461	2931	2061	1579	1298	1086
-19.5	12298	10080	7786	5540	3925	2705	1942	1538	1279	1076
-22.5	8658	7240	5822	4321	3212	2414	1820	1480	1253	1057
-25.5	5726	4998	4179	3310	2654	2090	1694	1434	1221	1033
-29.0	3644	3367	2976	2540	2184	1822	1566	1382	1187	990
-33.0	2474	2351	2165	1976	1788	1605	1464	1333	1145	933
-37.5	1876	1834	1757	1655	1582	1496	1394	1264	1068	865
-42.5	1716	1687	1648	1596	1536	1452	1313	1165	974	775
-47.5	1690	1661	1607	1523	1460	1349	1206	1076	850	644
-55.0	1274	1226	1161	1087	1016	923	814	680	529	374
-65.0	540	518	487	441	409	372	319	240	154	86
-75.0	24	24	24	23	23	22	19	17	15	13
-85.0	23	23	22	22	22	22	22	22	21	20
-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	31	19	7	1	0
75.0	72	27	14	4	0
65.0	255	66	19	7	0
55.0	488	163	29	8	0
47.5	668	246	40	9	0
42.5	786	300	53	9	0
37.5	853	349	63	10	0
33.0	895	390	70	10	0
29.0	918	422	79	10	0
25.5	923	448	85	10	0
22.5	919	459	89	10	0
19.5	926	471	92	10	0
17.0	926	477	93	10	0
15.0	925	480	94	10	0
13.0	922	482	95	10	0
11.0	917	481	95	10	0
9.0	911	483	95	10	0

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

CANDELA TABULATION - (Cont.)

7.0	904	483	95	10	0
5.0	901	481	95	10	0
3.0	899	480	93	10	0
1.0	892	473	91	10	0
0.0	888	470	90	10	0
-1.0	887	468	89	10	0
-3.0	885	464	88	10	0
-5.0	879	456	87	10	0
-7.0	872	447	84	10	0
-9.0	868	437	82	10	0
-11.0	863	426	79	10	0
-13.0	855	415	77	10	0
-15.0	845	402	74	10	0
-17.0	833	387	70	9	0
-19.5	814	367	66	9	0
-22.5	784	339	60	9	0
-25.5	748	311	54	9	0
-29.0	699	273	46	9	0
-33.0	632	229	37	8	0
-37.5	549	182	31	8	0
-42.5	447	137	25	7	0
-47.5	336	93	19	7	0
-55.0	177	42	14	6	0
-65.0	33	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-40-80-HGS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 19639.76

Total Field Lumens (one side of beam only) = 15436.01

* 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	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.11
75	1.09	2.19	2.21	2.19	2.16	2.12	2.07	2.02	1.95	2.33
65	3.24	6.50	6.50	6.42	6.29	6.16	6.01	5.82	5.60	6.66
55	5.59	11.17	11.12	10.99	10.81	10.61	10.38	10.09	9.74	11.63
47.5	5.05	10.09	10.06	9.97	9.86	9.74	9.60	9.41	9.18	11.10
42.5	3.42	6.84	6.82	6.79	6.75	6.71	6.65	6.58	6.49	7.93
37.5	3.57	7.14	7.15	7.14	7.12	7.09	7.05	6.97	6.86	8.33
33	3.93	7.87	7.87	7.84	7.75	7.61	7.44	7.25	7.03	8.38
29	5.29	10.59	10.50	10.26	9.93	9.60	9.18	8.64	8.09	9.34
25.5	7.61	15.26	15.07	14.60	13.98	13.24	12.34	11.25	10.08	10.99
22.5	10.68	21.15	20.66	19.97	19.09	17.76	16.10	14.37	12.41	12.78
19.5	17.93 *	35.37 *	33.88 *	32.10 *	30.17 *	27.18 *	23.76	20.49	17.10	17.04
17	24.39 *	48.06 *	45.74 *	42.46 *	38.47 *	33.19 *	27.91 *	23.02 *	18.52	18.08
15	29.25 *	57.21 *	54.46 *	49.87 *	43.41 *	36.35 *	29.75 *	23.62 *	18.31 *	17.20
13	41.15 *	80.20 *	76.19 *	68.70 *	58.74 *	48.49 *	38.81 *	29.84 *	22.30 *	20.07
11	54.38 *	106.24 *	100.83 *	90.89 *	77.89 *	63.81 *	50.15 *	37.71 *	27.15 *	23.20 *
9	66.60 *	130.71 *	124.59 *	113.48 *	98.15 *	80.79 *	63.27 *	46.56 *	32.43 *	26.79 *
7	75.87 *	149.48 *	142.97 *	132.02 *	116.33 *	97.08 *	76.41 *	55.68 *	38.16 *	30.73 *
5	81.35 *	160.21 *	153.86 *	144.05 *	129.63 *	110.26 *	87.39 *	64.00 *	43.51 *	33.85 *
3	83.67 *	164.73 *	158.95 *	150.44 *	137.45 *	118.44 *	94.87 *	70.24 *	47.87 *	36.93 *
1	84.44 *	166.68 *	161.52 *	153.88 *	141.83 *	123.36 *	100.13 *	74.91 *	51.53 *	39.91 *
0	42.34 *	83.76 *	81.46 *	77.74 *	71.94 *	63.14 *	51.64 *	38.70 *	26.68 *	20.69 *
-1	42.57 *	84.24 *	81.99 *	78.29 *	72.48 *	63.64 *	52.04 *	38.86 *	26.68 *	20.65 *
	86.43 *	170.79 *	165.96 *	158.34 *	146.25 *	127.77 *	103.97 *	77.38 *	52.58 *	40.20 *

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

LUMENS TABULATION - (Cont.)

-3	88.05 *	173.30 *	167.42 *	158.80 *	145.75 *	126.35 *	101.69 *	75.29 *	50.70 *	38.18 *
-5	87.61 *	172.28 *	165.57 *	155.45 *	140.70 *	120.38 *	95.60 *	70.03 *	47.26 *	35.91 *
-7	83.64 *	164.78 *	158.06 *	146.54 *	129.88 *	108.97 *	85.43 *	61.62 *	41.75 *	33.00 *
-9	76.14 *	149.68 *	142.85 *	130.74 *	113.48 *	93.12 *	71.80 *	51.48 *	35.01 *	28.51 *
-11	64.88 *	126.95 *	119.79 *	108.29 *	92.94 *	75.14 *	57.25 *	41.38 *	28.82 *	24.25 *
-13	50.67 *	98.64 *	92.16 *	82.83 *	70.74 *	57.21 *	43.97 *	32.38 *	23.43 *	20.66
-15	36.18 *	69.93 *	65.16 *	59.06 *	50.92 *	41.47 *	32.62 *	24.94 *	18.84 *	17.40
-17	29.15 *	55.99 *	52.36 *	48.04 *	42.79 *	35.72 *	29.10 *	23.53 *	18.66	18.12
-19.5	19.66 *	38.04 *	36.08 *	33.83 *	31.17 *	27.40 *	23.60	20.25	16.81	16.77
-22.5	10.59	20.79	20.20	19.46	18.41	16.94	15.29	13.61	11.69	12.06
-25.5	7.17	14.21	14.03	13.61	13.01	12.20	11.27	10.23	9.09	9.82
-29	4.75	9.51	9.46	9.25	8.92	8.53	8.06	7.50	6.93	7.85
-33	3.27	6.57	6.59	6.56	6.47	6.32	6.11	5.88	5.62	6.60
-37.5	2.83	5.67	5.69	5.69	5.66	5.60	5.51	5.36	5.21	6.26
-42.5	2.74	5.47	5.45	5.40	5.35	5.30	5.21	5.08	4.94	5.97
-47.5	3.73	7.45	7.40	7.29	7.17	7.04	6.87	6.65	6.42	7.67
-55	3.13	6.27	6.24	6.15	6.02	5.86	5.67	5.45	5.21	6.13
-65	0.97	1.95	1.95	1.93	1.88	1.83	1.77	1.70	1.62	1.90
-75	0.06	0.12	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.17
-85	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04
-90										
Total	1355.15	2664.2	2557.06	2387.61	2148.00	1839.77	1493.99	1146.03	838.52	732.24

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.12	0.12	0.13	0.15	0.15	0.14	0.11	0.12	0.10	0.03
85	2.62	2.41	2.58	2.66	2.52	2.06	1.33	1.08	0.57	0.17
75	7.44	6.87	7.34	7.50	7.06	5.91	4.09	3.44	1.60	0.33
65	13.10	12.17	13.08	13.28	12.44	10.74	7.85	7.18	3.70	0.72
55	12.72	11.97	12.96	13.28	12.67	11.34	8.53	8.05	4.46	0.93

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

LUMENS TABULATION - (Cont.)

47.5										
	9.18	8.77	9.58	9.93	9.70	8.93	6.90	6.65	3.80	0.83
42.5	9.56	9.08	9.90	10.30	10.20	9.53	7.47	7.38	4.35	1.00
37.5	9.33	8.53	9.02	9.24	9.18	8.65	6.85	6.94	4.26	1.02
33	9.93	8.57	8.54	8.31	8.02	7.49	5.99	6.24	3.99	1.00
29	10.95	8.86	8.29	7.59	6.97	6.36	5.11	5.44	3.61	0.94
25.5	11.95	9.02	7.94	6.89	6.01	5.33	4.28	4.62	3.14	0.84
22.5	15.17	10.75	8.90	7.28	6.07	5.27	4.19	4.56	3.17	0.87
19.5	15.57	10.54	8.24	6.40	5.16	4.38	3.43	3.75	2.66	0.74
17	14.55	9.61	7.20	5.36	4.22	3.51	2.72	2.98	2.14	0.60
15	16.35	10.61	7.81	5.62	4.31	3.52	2.71	2.97	2.14	0.60
13	17.97	11.42	8.38	5.92	4.39	3.54	2.71	2.97	2.13	0.60
11	19.87	12.22	8.84	6.14	4.49	3.57	2.71	2.95	2.12	0.60
9	21.84	12.98	9.24	6.36	4.59	3.58	2.70	2.94	2.12	0.60
7	23.29	13.52	9.58	6.59	4.66	3.59	2.69	2.93	2.11	0.60
5	24.70	13.88	9.80	6.75	4.70	3.59	2.69	2.92	2.10	0.60
3	26.02 *	14.09	9.91	6.82	4.72	3.59	2.68	2.91	2.09	0.59
1	13.30 *	7.10	5.00	3.42	2.36	1.79	1.34	1.45	1.04	0.29
0	13.26 *	7.09	5.01	3.43	2.37	1.79	1.33	1.44	1.03	0.29
-1	25.95 *	14.10	10.00	6.87	4.74	3.59	2.66	2.88	2.06	0.58
-3	24.99 *	13.99	9.94	6.83	4.74	3.59	2.65	2.86	2.04	0.57
-5	24.00	13.75	9.77	6.70	4.69	3.58	2.64	2.85	2.02	0.56
-7	22.79	13.29	9.45	6.49	4.62	3.56	2.64	2.84	2.00	0.55
-9	20.77	12.55	9.02	6.25	4.51	3.53	2.64	2.83	1.97	0.53
-11	18.58	11.65	8.50	5.98	4.38	3.48	2.62	2.81	1.95	0.52
-13	16.61	10.75	7.91	5.64	4.26	3.43	2.60	2.79	1.91	0.50
-15	14.63	9.75	7.29	5.34	4.14	3.38	2.58	2.76	1.88	0.49
-17	15.65	10.71	8.31	6.29	4.98	4.15	3.19	3.40	2.28	0.58
-19.5	15.02	10.64	8.71	6.96	5.69	4.86	3.77	4.00	2.63	0.65

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

LUMENS TABULATION - (Cont.)

-22.5	11.28	8.45	7.37	6.28	5.40	4.71	3.69	3.88	2.49	0.60
-25.5	9.71	7.81	7.26	6.55	5.95	5.33	4.17	4.34	2.70	0.62
-29	8.24	7.09	7.01	6.74	6.43	5.89	4.58	4.65	2.79	0.61
-33	7.25	6.57	6.90	7.00	6.87	6.31	4.86	4.79	2.72	0.56
-37.5	7.10	6.65	7.19	7.38	7.18	6.52	4.96	4.71	2.50	0.49
-42.5	6.80	6.38	6.87	6.94	6.66	5.93	4.36	3.93	1.93	0.36
-47.5	8.60	7.96	8.44	8.40	7.92	6.86	4.84	4.10	1.85	0.33
-55	6.77	6.16	6.44	6.34	5.74	4.67	3.08	2.39	1.02	0.21
-65	2.08	1.87	1.96	1.91	1.66	1.24	0.72	0.51	0.26	0.10
-75	0.19	0.19	0.21	0.22	0.22	0.22	0.19	0.22	0.17	0.07
-85	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.07	0.05	0.02
-90										
Total	585.84	400.55	335.85	280.39	237.82	203.08	153.90	155.50	97.61	24.27

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.01	0.00		2.01
85				
	0.03	0.00		38.36
75				
	0.06	0.00		110.82
65				
	0.08	0.00		196.48
55				
	0.09	0.00		191.07
47.5				
	0.07	0.00		139.34
42.5				
	0.09	0.00		147.29
37.5				
	0.09	0.00		146.08
33				
	0.09	0.00		159.59
29				
	0.09	0.00		188.64
25.5				
	0.08	0.00		225.05
22.5				
	0.08	0.00		321.33
19.5				
	0.07	0.00		380.78
17				
	0.05	0.00		412.34

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

LUMENS TABULATION - (Cont.)

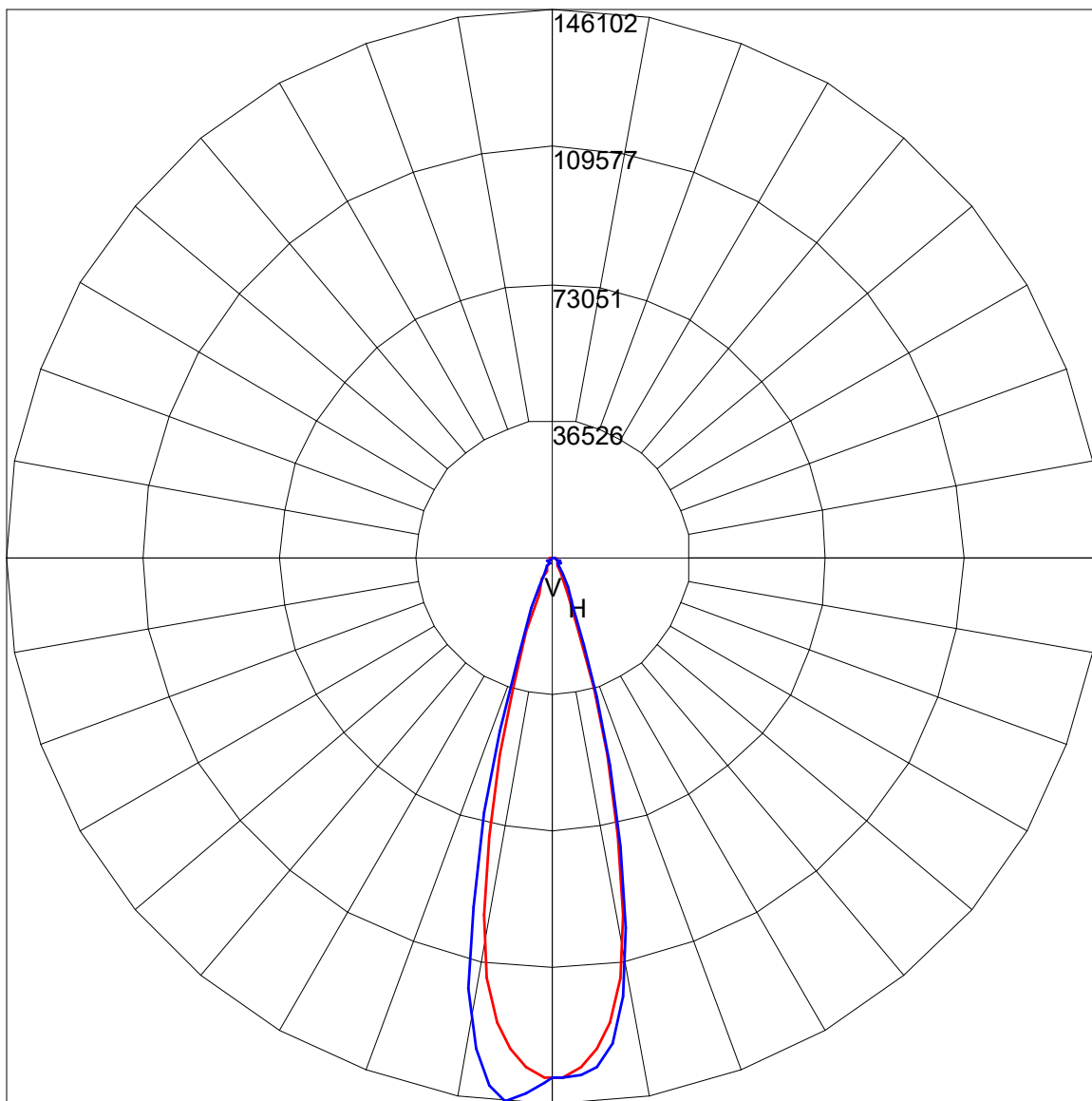
15	0.06	0.00	541.19
13	0.06	0.00	692.33
11	0.06	0.00	846.97
9	0.06	0.00	981.74
7	0.06	0.00	1077.73
5	0.05	0.00	1135.38
3	0.05	0.00	1171.67
1	0.03	0.00	595.22
0	0.03	0.00	598.52
-1	0.05	0.00	1203.16
-3	0.05	0.00	1197.77
-5	0.05	0.00	1161.41
-7	0.05	0.00	1081.94
-9	0.05	0.00	957.44
-11	0.05	0.00	800.22
-13	0.05	0.00	629.13
-15	0.04	0.00	468.79
-17	0.05	0.00	413.04
-19.5	0.06	0.00	326.59
-22.5	0.05	0.00	213.25
-25.5	0.05	0.00	169.14
-29	0.05	0.00	134.84
-33	0.05	0.00	113.87
-37.5	0.05	0.00	108.20
-42.5	0.04	0.00	101.10
-47.5	0.05	0.00	127.03
-55	0.04	0.00	99.01
-65	0.03	0.00	29.85

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

LUMENS TABULATION - (Cont.)

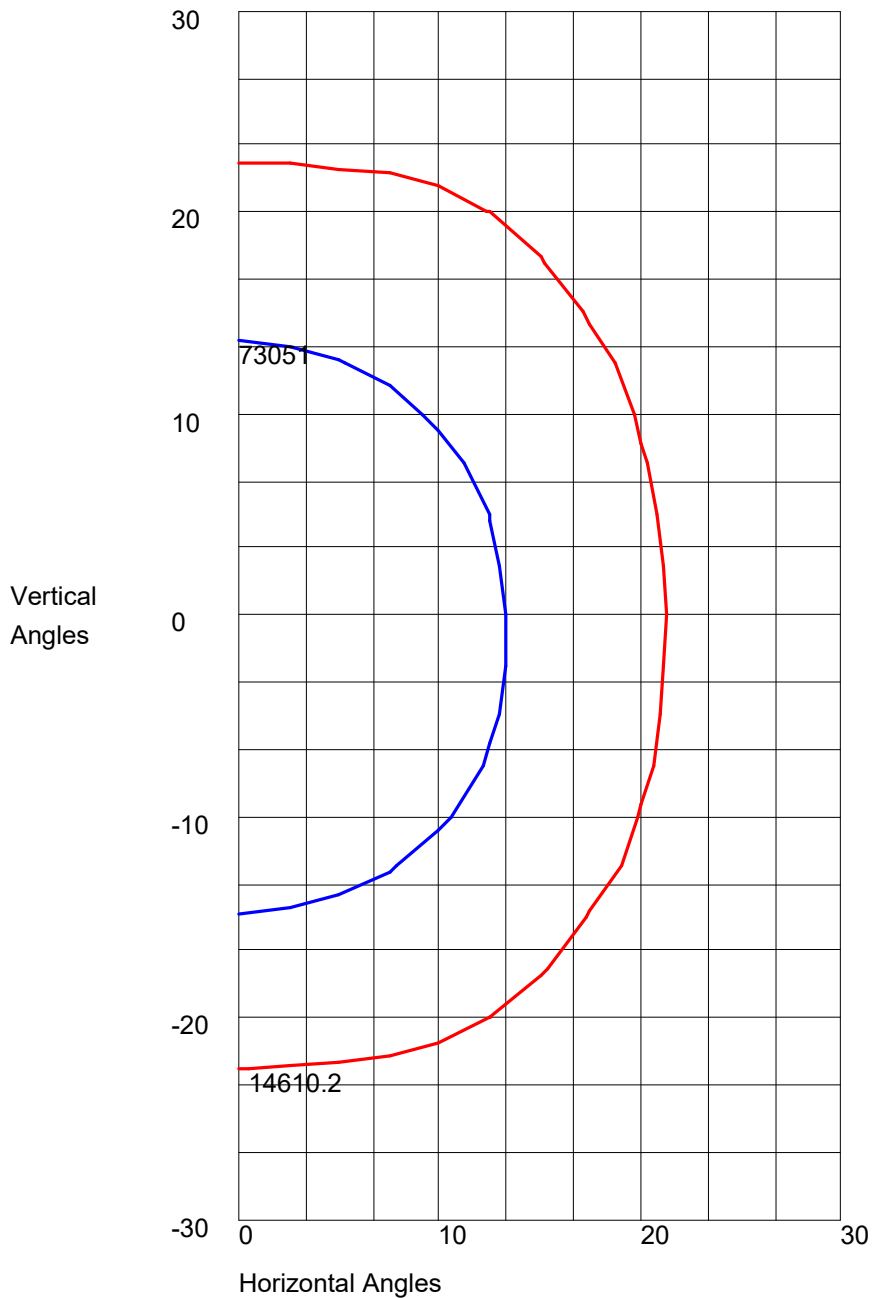
-75	0.02	0.00	3.24
-85	0.00	0.00	0.82
-90			
Total	2.34	0.04	19639.77

AXIAL CANDELA DISPLAY



Maximum Candela = 146102 Located At Horizontal Angle = 0, Vertical Angle = -5
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 146102 Located At Horizontal Angle = 0, Vertical Angle = -5
50% Maximum Candela = 73051
10% Maximum Candela = 14610.2