



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-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-24L-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	79502
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	11280
Beam Efficiency	N.A.
Field Lumens	16799
Field Efficiency	N.A.
Spill Lumens	4575
Luminaire Lumens	21374
Total Efficiency	N.A.
Total Luminaire Watts	200
Ballast Factor	1.00



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-50-80-HGS.IES**

**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	6	85	29
75	49	75	359
65	256	65	799
55	484	55	1196
47.5	617	47.5	1209
42.5	731	42.5	1237
37.5	941	37.5	1311
33	1355	33	1802
29	2208	29	2912
25.5	3540	25.5	4837
22.5	5722	22.5	7895
19.5	11299	19.5	13466
17	20042	17	21387
15	29786	15	31217
13	41816	13	43163
11	53059	11	54940
9	62066	9	64625
7	68218	7	71151
5	71724	5	74311
3	74377	3	75365
1	75519	1	75754
0	75838	0	75838
-1	75519	-1	76618
-3	74377	-3	78132
-5	71724	-5	79502
-7	68218	-7	77343
-9	62066	-9	72365
-11	53059	-11	63931
-13	41816	-13	52258
-15	29786	-15	38421
-17	20042	-17	26603
-19.5	11299	-19.5	15702
-22.5	5722	-22.5	8000
-25.5	3540	-25.5	4663
-29	2208	-29	2708
-33	1355	-33	1542
-37.5	941	-37.5	1060
-42.5	731	-42.5	966
-47.5	617	-47.5	993
-55	484	-55	783
-65	256	-65	335
-75	49	-75	13
-85	6	-85	10
-90	0	-90	0

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-50-80-HGS.IES**

**CANDELA TABULATION**

Maximum Candela = 79502

Beam Edge = 39751 Cd (50% of Max.)

Field Edge = 7950.2 Cd (10% of Max.)

\* Indicates Values Inside Field Edge

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b><u>-90.0</u></b>	<b><u>-85.0</u></b>	<b><u>-75.0</u></b>	<b><u>-65.0</u></b>	<b><u>-55.0</u></b>	<b><u>-47.5</u></b>	<b><u>-42.5</u></b>	<b><u>-37.5</u></b>	<b><u>-33.0</u></b>	<b><u>-29.0</u></b>
<b>90.0</b>	0	0	0	0	0	0	0	0	0	0
<b>85.0</b>	0	1	4	11	17	20	23	27	30	30
<b>75.0</b>	0	2	8	15	39	87	138	194	238	255
<b>65.0</b>	0	3	11	36	138	259	342	430	511	558
<b>55.0</b>	0	4	16	89	266	431	555	679	800	897
<b>47.5</b>	0	5	22	134	363	577	737	851	956	1037
<b>42.5</b>	0	5	29	163	428	657	818	929	1038	1108
<b>37.5</b>	0	6	34	190	464	698	849	960	1042	1106
<b>33.0</b>	0	6	38	212	487	698	832	945	1019	1113
<b>29.0</b>	0	6	43	230	500	688	805	913	1021	1176
<b>25.5</b>	0	6	46	244	503	678	778	892	1049	1277
<b>22.5</b>	0	6	48	250	501	663	764	879	1076	1384
<b>19.5</b>	0	6	49	257	504	645	753	882	1100	1497
<b>17.0</b>	0	6	50	260	504	630	745	892	1139	1599
<b>15.0</b>	0	6	51	262	503	630	741	896	1180	1667
<b>13.0</b>	0	6	51	263	502	629	741	907	1209	1807
<b>11.0</b>	0	6	51	263	499	628	743	917	1243	1908
<b>9.0</b>	0	6	51	263	495	627	743	928	1281	1969
<b>7.0</b>	0	6	51	263	491	624	741	936	1318	2062
<b>5.0</b>	0	6	51	262	490	621	736	939	1342	2148
<b>3.0</b>	0	6	50	261	489	622	737	941	1354	2187
<b>1.0</b>	0	6	49	258	486	619	733	943	1358	2210
<b>0.0</b>	0	6	49	256	484	617	731	941	1355	2208
<b>-1.0</b>	0	6	49	255	483	616	731	944	1361	2220
<b>-3.0</b>	0	6	48	253	482	614	732	944	1364	2216
<b>-5.0</b>	0	6	47	248	478	608	727	942	1354	2188
<b>-7.0</b>	0	6	46	244	475	607	729	937	1331	2113
<b>-9.0</b>	0	6	44	238	472	606	729	926	1294	2023
<b>-11.0</b>	0	6	43	232	469	604	726	910	1250	1944
<b>-13.0</b>	0	6	41	226	465	601	720	892	1207	1828
<b>-15.0</b>	0	6	40	219	460	597	714	872	1170	1674
<b>-17.0</b>	0	6	38	211	453	592	706	859	1122	1595
<b>-19.5</b>	0	5	35	200	443	586	696	837	1057	1472
<b>-22.5</b>	0	5	32	185	426	576	681	806	991	1314
<b>-25.5</b>	0	5	29	170	406	563	664	781	922	1137
<b>-29.0</b>	0	5	25	149	380	539	645	752	852	992
<b>-33.0</b>	0	5	20	125	344	508	623	725	797	873
<b>-37.5</b>	0	5	17	99	298	471	581	688	759	815
<b>-42.5</b>	0	4	14	74	243	421	530	634	715	791
<b>-47.5</b>	0	4	10	50	184	350	462	586	657	734
<b>-55.0</b>	0	3	8	23	96	204	288	370	442	502
<b>-65.0</b>	0	3	5	9	18	47	84	131	174	202
<b>-75.0</b>	0	2	3	5	6	7	8	9	10	12
<b>-85.0</b>	0	1	2	5	10	11	12	12	13	12
<b>-90.0</b>	0	0	0	0	0	0	0	0	0	0

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-50-80-HGS.IES**

**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	30	30	31	31	31	31	32	31	31	31
75.0	274	293	312	326	335	343	349	355	360	367
65.0	597	625	665	698	722	743	758	771	784	796
55.0	951	1000	1051	1086	1112	1136	1153	1166	1178	1190
47.5	1084	1125	1149	1168	1181	1190	1194	1199	1203	1206
42.5	1170	1194	1216	1239	1240	1239	1237	1236	1235	1235
37.5	1162	1210	1261	1302	1320	1333	1338	1336	1335	1329
33.0	1222	1347	1475	1565	1623	1660	1712	1755	1788	1807
29.0	1395	1621	1892	2098	2234	2435	2579	2665	2754	2866
25.5	1596	1989	2480	2981	3389	3779	4085	4393	4594	4769
22.5	1825	2433	3258	4106	4906	5561	6176	6818	7155	7396
19.5	2108	2982	4229	5501	6679	8006 *	9184 *	10693 *	11623 *	12267 *
17.0	2368	3541	5137	6896	8461 *	10761 *	12825 *	15465 *	17741 *	19386 *
15.0	2632	3985	5898	7950	10716 *	13553 *	17204 *	20443 *	24666 *	27779 *
13.0	2859	4359	6618	9743 *	13033 *	17638 *	22488 *	27833 *	33019 *	37946 *
11.0	3045	4618	7334	11225 *	16453 *	22298 *	29163 *	36267 *	43388 *	48913 *
9.0	3232	5038	8363 *	13396 *	19191 *	27784 *	36305 *	44823 *	52577 *	58958 *
7.0	3347	5304	9163 *	15318 *	23005 *	32531 *	42930 *	52042 *	60422 *	65180 *
5.0	3446	5524	9720 *	16741 *	25798 *	36497 *	47655 *	57383 *	64004 *	69154 *
3.0	3468	5657	10615 *	18506 *	27916 *	39118 *	49988 *	59822 *	66751 *	70320 *
1.0	3517	5733	11186 *	19759 *	29588 *	41303 *	52462 *	61498 *	67782 *	71560 *
0.0	3540	5722	11299 *	20042 *	29786 *	41816 *	53059 *	62066 *	68218 *	71724 *
-1.0	3533	5702	11105 *	19719 *	29606 *	41898 *	53302 *	62453 *	68772 *	72543 *
-3.0	3510	5638	10660 *	19015 *	29371 *	41583 *	53106 *	62920 *	69696 *	73422 *
-5.0	3501	5587	9998 *	17784 *	28046 *	39613 *	51420 *	61748 *	68574 *	73556 *
-7.0	3415	5424	9603 *	16662 *	25343 *	35930 *	47645 *	57562 *	65933 *	71175 *
-9.0	3300	5192	8854 *	14543 *	21036 *	31149 *	41296 *	51177 *	59640 *	66470 *
-11.0	3093	4774	7673	11827 *	17653 *	24938 *	33747 *	42693 *	51212 *	57528 *
-13.0	2896	4426	6824	10175 *	13907 *	19694 *	26180 *	33681 *	40082 *	45689 *
-15.0	2680	4018	5926	8167 *	11285 *	14727 *	19697 *	24220 *	29632 *	33384 *
-17.0	2428	3592	5125	6972	8590 *	11313 *	13843 *	17475 *	20536 *	22537 *
-19.5	2136	3015	4236	5485	6692	8059 *	9308 *	11205 *	12534 *	13420 *
-22.5	1748	2351	3168	3940	4712	5390	5979	6643	7102	7455
-25.5	1444	1802	2274	2719	3116	3486	3766	4102	4298	4450
-29.0	1189	1382	1619	1832	1982	2180	2332	2448	2562	2663
-33.0	973	1075	1178	1279	1346	1393	1454	1500	1532	1551
-37.5	861	901	956	998	1021	1048	1065	1074	1077	1075
-42.5	836	869	897	917	933	948	961	966	966	966
-47.5	795	829	874	904	920	938	955	960	969	979
-55.0	553	591	631	667	693	716	735	751	766	779
-65.0	222	240	264	281	293	303	313	322	329	335
-75.0	13	13	13	14	14	14	14	14	14	14
-85.0	12	12	13	13	13	13	12	12	11	11
-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	30	29	29	29	30	31	31	31	32	31
75.0	364	361	359	361	364	367	360	355	349	343
65.0	801	800	799	800	801	796	784	771	758	743

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-50-80-HGS.IES**

**CANDELA TABULATION - (Cont.)**

55.0	1197	1196	1196	1196	1197	1190	1178	1166	1153	1136
47.5	1209	1209	1209	1209	1209	1206	1203	1199	1194	1190
42.5	1236	1237	1237	1237	1236	1235	1235	1236	1237	1239
37.5	1320	1315	1311	1315	1320	1329	1335	1336	1338	1333
33.0	1809	1808	1802	1808	1809	1807	1788	1755	1712	1660
29.0	2919	2927	2912	2927	2919	2866	2754	2665	2579	2435
25.5	4870	4872	4837	4872	4870	4769	4594	4393	4085	3779
22.5	7630	7828	7895	7828	7630	7396	7155	6818	6176	5561
19.5	13158 *	13529 *	13466 *	13529 *	13158 *	12267 *	11623 *	10693 *	9184 *	8006 *
17.0	20712 *	21331 *	21387 *	21331 *	20712 *	19386 *	17741 *	15465 *	12825 *	10761 *
15.0	29651 *	30564 *	31217 *	30564 *	29651 *	27779 *	24666 *	20443 *	17204 *	13553 *
13.0	41064 *	42081 *	43163 *	42081 *	41064 *	37946 *	33019 *	27833 *	22488 *	17638 *
11.0	52646 *	54116 *	54940 *	54116 *	52646 *	48913 *	43388 *	36267 *	29163 *	22298 *
9.0	62605 *	64287 *	64625 *	64287 *	62605 *	58958 *	52577 *	44823 *	36305 *	27784 *
7.0	69290 *	71020 *	71151 *	71020 *	69290 *	65180 *	60422 *	52042 *	42930 *	32531 *
5.0	71904 *	74171 *	74311 *	74171 *	71904 *	69154 *	64004 *	57383 *	47655 *	36497 *
3.0	73275 *	75113 *	75365 *	75113 *	73275 *	70320 *	66751 *	59822 *	49988 *	39118 *
1.0	74087 *	75465 *	75754 *	75465 *	74087 *	71560 *	67782 *	61498 *	52462 *	41303 *
0.0	74377 *	75519 *	75838 *	75519 *	74377 *	71724 *	68218 *	62066 *	53059 *	41816 *
-1.0	75023 *	76243 *	76618 *	76243 *	75023 *	72543 *	68772 *	62453 *	53302 *	41898 *
-3.0	76212 *	77806 *	78132 *	77806 *	76212 *	73422 *	69696 *	62920 *	53106 *	41583 *
-5.0	76619 *	79138 *	79502 *	79138 *	76619 *	73556 *	68574 *	61748 *	51420 *	39613 *
-7.0	75158 *	77041 *	77343 *	77041 *	75158 *	71175 *	65933 *	57562 *	47645 *	35930 *
-9.0	70255 *	72093 *	72365 *	72093 *	70255 *	66470 *	59640 *	51177 *	41296 *	31149 *
-11.0	61563 *	63653 *	63931 *	63653 *	61563 *	57528 *	51212 *	42693 *	33747 *	24938 *
-13.0	49739 *	51978 *	52258 *	51978 *	49739 *	45689 *	40082 *	33681 *	26180 *	19694 *
-15.0	36228 *	38370 *	38421 *	38370 *	36228 *	33384 *	29632 *	24220 *	19697 *	14727 *
-17.0	24531 *	25868 *	26603 *	25868 *	24531 *	22537 *	20536 *	17475 *	13843 *	11313 *
-19.5	14522 *	15144 *	15702 *	15144 *	14522 *	13420 *	12534 *	11205 *	9308 *	8059 *
-22.5	7680	7984 *	8000 *	7984 *	7680	7455	7102	6643	5979	5390
-25.5	4530	4577	4663	4577	4530	4450	4298	4102	3766	3486
-29.0	2710	2699	2708	2699	2710	2663	2562	2448	2332	2180
-33.0	1551	1540	1542	1540	1551	1551	1532	1500	1454	1393
-37.5	1068	1060	1060	1060	1068	1075	1077	1074	1065	1048
-42.5	965	965	966	965	965	966	966	966	961	948
-47.5	991	991	993	991	991	979	969	960	955	938
-55.0	785	783	783	783	785	779	766	751	735	716
-65.0	338	336	335	336	338	335	329	322	313	303
-75.0	13	13	13	13	13	14	14	14	14	14
-85.0	10	10	10	10	10	11	11	12	12	13
-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	31	31	31	30	30	30	30	27	23	20
75.0	335	326	312	293	274	255	238	194	138	87
65.0	722	698	665	625	597	558	511	430	342	259
55.0	1112	1086	1051	1000	951	897	800	679	555	431
47.5	1181	1168	1149	1125	1084	1037	956	851	737	577
42.5	1240	1239	1216	1194	1170	1108	1038	929	818	657
37.5	1320	1302	1261	1210	1162	1106	1042	960	849	698
33.0	1623	1565	1475	1347	1222	1113	1019	945	832	698
29.0	2234	2098	1892	1621	1395	1176	1021	913	805	688
25.5	3389	2981	2480	1989	1596	1277	1049	892	778	678

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-50-80-HGS.IES**

**CANDELA TABULATION - (Cont.)**

22.5	4906	4106	3258	2433	1825	1384	1076	879	764	663
19.5	6679	5501	4229	2982	2108	1497	1100	882	753	645
17.0	8461 *	6896	5137	3541	2368	1599	1139	892	745	630
15.0	10716 *	7950	5898	3985	2632	1667	1180	896	741	630
13.0	13033 *	9743 *	6618	4359	2859	1807	1209	907	741	629
11.0	16453 *	11225 *	7334	4618	3045	1908	1243	917	743	628
9.0	19191 *	13396 *	8363 *	5038	3232	1969	1281	928	743	627
7.0	23005 *	15318 *	9163 *	5304	3347	2062	1318	936	741	624
5.0	25798 *	16741 *	9720 *	5524	3446	2148	1342	939	736	621
3.0	27916 *	18506 *	10615 *	5657	3468	2187	1354	941	737	622
1.0	29588 *	19759 *	11186 *	5733	3517	2210	1358	943	733	619
0.0	29786 *	20042 *	11299 *	5722	3540	2208	1355	941	731	617
-1.0	29606 *	19719 *	11105 *	5702	3533	2220	1361	944	731	616
-3.0	29371 *	19015 *	10660 *	5638	3510	2216	1364	944	732	614
-5.0	28046 *	17784 *	9998 *	5587	3501	2188	1354	942	727	608
-7.0	25343 *	16662 *	9603 *	5424	3415	2113	1331	937	729	607
-9.0	21036 *	14543 *	8854 *	5192	3300	2023	1294	926	729	606
-11.0	17653 *	11827 *	7673	4774	3093	1944	1250	910	726	604
-13.0	13907 *	10175 *	6824	4426	2896	1828	1207	892	720	601
-15.0	11285 *	8167 *	5926	4018	2680	1674	1170	872	714	597
-17.0	8590 *	6972	5125	3592	2428	1595	1122	859	706	592
-19.5	6692	5485	4236	3015	2136	1472	1057	837	696	586
-22.5	4712	3940	3168	2351	1748	1314	991	806	681	576
-25.5	3116	2719	2274	1802	1444	1137	922	781	664	563
-29.0	1982	1832	1619	1382	1189	992	852	752	645	539
-33.0	1346	1279	1178	1075	973	873	797	725	623	508
-37.5	1021	998	956	901	861	815	759	688	581	471
-42.5	933	917	897	869	836	791	715	634	530	421
-47.5	920	904	874	829	795	734	657	586	462	350
-55.0	693	667	631	591	553	502	442	370	288	204
-65.0	293	281	264	240	222	202	174	131	84	47
-75.0	14	14	13	13	13	12	10	9	8	7
-85.0	13	13	13	12	12	12	13	12	12	11
-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	17	11	4	1	0
75.0	39	15	8	2	0
65.0	138	36	11	3	0
55.0	266	89	16	4	0
47.5	363	134	22	5	0
42.5	428	163	29	5	0
37.5	464	190	34	6	0
33.0	487	212	38	6	0
29.0	500	230	43	6	0
25.5	503	244	46	6	0
22.5	501	250	48	6	0
19.5	504	257	49	6	0
17.0	504	260	50	6	0
15.0	503	262	51	6	0
13.0	502	263	51	6	0
11.0	499	263	51	6	0
9.0	495	263	51	6	0

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-50-80-HGS.IES**

**CANDELA TABULATION - (Cont.)**

<b>7.0</b>	491	263	51	6	0
<b>5.0</b>	490	262	51	6	0
<b>3.0</b>	489	261	50	6	0
<b>1.0</b>	486	258	49	6	0
<b>0.0</b>	484	256	49	6	0
<b>-1.0</b>	483	255	49	6	0
<b>-3.0</b>	482	253	48	6	0
<b>-5.0</b>	478	248	47	6	0
<b>-7.0</b>	475	244	46	6	0
<b>-9.0</b>	472	238	44	6	0
<b>-11.0</b>	469	232	43	6	0
<b>-13.0</b>	465	226	41	6	0
<b>-15.0</b>	460	219	40	6	0
<b>-17.0</b>	453	211	38	6	0
<b>-19.5</b>	443	200	35	5	0
<b>-22.5</b>	426	185	32	5	0
<b>-25.5</b>	406	170	29	5	0
<b>-29.0</b>	380	149	25	5	0
<b>-33.0</b>	344	125	20	5	0
<b>-37.5</b>	298	99	17	5	0
<b>-42.5</b>	243	74	14	4	0
<b>-47.5</b>	184	50	10	4	0
<b>-55.0</b>	96	23	8	3	0
<b>-65.0</b>	18	9	5	3	0
<b>-75.0</b>	6	5	3	2	0
<b>-85.0</b>	10	5	2	1	0
<b>-90.0</b>	0	0	0	0	0

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-50-80-HGS.IES**

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 10686.99

Total Field Lumens (one side of beam only) = 8399.54

\* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>1</u>	<u>3</u>	<u>5</u>	<u>7</u>	<u>9</u>	<u>11</u>	<u>13</u>	<u>15</u>	<u>17</u>
90										
85	0.02	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06
75	0.59	1.19	1.20	1.20	1.17	1.15	1.12	1.09	1.06	1.27
65	1.77	3.54	3.54	3.49	3.42	3.35	3.27	3.17	3.05	3.62
55	3.04	6.08	6.05	5.98	5.88	5.77	5.65	5.49	5.30	6.33
47.5	2.75	5.49	5.47	5.43	5.37	5.30	5.22	5.12	4.99	6.04
42.5	1.86	3.72	3.71	3.70	3.67	3.65	3.62	3.58	3.53	4.31
37.5	1.94	3.89	3.89	3.89	3.88	3.86	3.83	3.79	3.73	4.54
33	2.14	4.28	4.28	4.27	4.22	4.14	4.05	3.95	3.83	4.56
29	2.88	5.76	5.71	5.58	5.41	5.23	5.00	4.70	4.40	5.08
25.5	4.14	8.30	8.20	7.94	7.60	7.20	6.71	6.12	5.48	5.98
22.5	5.81	11.51	11.24	10.87	10.39	9.66	8.76	7.82	6.76	6.96
19.5	9.76 *	19.24 *	18.44 *	17.47 *	16.42 *	14.79 *	12.93	11.15	9.31	9.27
17	13.27 *	26.15 *	24.89 *	23.11 *	20.93 *	18.06 *	15.19 *	12.53 *	10.08	9.84
15	15.92 *	31.13 *	29.63 *	27.13 *	23.62 *	19.78 *	16.19 *	12.85 *	9.96 *	9.36
13	22.39 *	43.64 *	41.46 *	37.38 *	31.96 *	26.39 *	21.12 *	16.24 *	12.13 *	10.92
11	29.59 *	57.81 *	54.87 *	49.46 *	42.38 *	34.72 *	27.29 *	20.52 *	14.77 *	12.63 *
9	36.24 *	71.13 *	67.80 *	61.75 *	53.41 *	43.96 *	34.43 *	25.34 *	17.65 *	14.58 *
7	41.29 *	81.34 *	77.80 *	71.84 *	63.30 *	52.83 *	41.58 *	30.30 *	20.76 *	16.72 *
5	44.27 *	87.18 *	83.72 *	78.39 *	70.54 *	60.00 *	47.56 *	34.83 *	23.68 *	18.42 *
3	45.53 *	89.64 *	86.49 *	81.86 *	74.79 *	64.45 *	51.62 *	38.22 *	26.05 *	20.10 *
1	45.95 *	90.70 *	87.89 *	83.73 *	77.17 *	67.13 *	54.49 *	40.76 *	28.04 *	21.72 *
0	23.04 *	45.58 *	44.33 *	42.30 *	39.15 *	34.36 *	28.10 *	21.06 *	14.52 *	11.26 *
-1	23.17 *	45.84 *	44.62 *	42.60 *	39.44 *	34.63 *	28.32 *	21.15 *	14.52 *	11.24 *
	47.03 *	92.93 *	90.31 *	86.16 *	79.58 *	69.53 *	56.58 *	42.10 *	28.61 *	21.88 *



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-50-80-HGS.IES**

**LUMENS TABULATION - (Cont.)**

<b>-3</b>	47.91 *	94.30 *	91.10 *	86.41 *	79.31 *	68.75 *	55.34 *	40.97 *	27.59 *	20.78 *
<b>-5</b>	47.67 *	93.75 *	90.10 *	84.59 *	76.56 *	65.51 *	52.02 *	38.11 *	25.72 *	19.54 *
<b>-7</b>	45.51 *	89.66 *	86.01 *	79.74 *	70.68 *	59.30 *	46.49 *	33.53 *	22.72 *	17.96 *
<b>-9</b>	41.43 *	81.45 *	77.73 *	71.14 *	61.75 *	50.67 *	39.07 *	28.01 *	19.05 *	15.51 *
<b>-11</b>	35.31 *	69.08 *	65.18 *	58.92 *	50.57 *	40.89 *	31.15 *	22.52 *	15.68 *	13.20 *
<b>-13</b>	27.57 *	53.67 *	50.15 *	45.07 *	38.49 *	31.13 *	23.92 *	17.62 *	12.75 *	11.24
<b>-15</b>	19.69 *	38.05 *	35.45 *	32.14 *	27.71 *	22.57 *	17.75 *	13.57 *	10.25 *	9.47
<b>-17</b>	15.86 *	30.47 *	28.49 *	26.14 *	23.28 *	19.43 *	15.84 *	12.80 *	10.15	9.86
<b>-19.5</b>	10.70 *	20.70 *	19.63 *	18.41 *	16.96 *	14.91 *	12.84	11.02	9.15	9.13
<b>-22.5</b>	5.76	11.31	10.99	10.59	10.02	9.22	8.32	7.41	6.36	6.56
<b>-25.5</b>	3.90	7.73	7.63	7.41	7.08	6.64	6.13	5.57	4.94	5.34
<b>-29</b>	2.59	5.18	5.15	5.03	4.85	4.64	4.39	4.08	3.77	4.27
<b>-33</b>	1.78	3.57	3.59	3.57	3.52	3.44	3.33	3.20	3.06	3.59
<b>-37.5</b>	1.54	3.09	3.09	3.09	3.08	3.05	3.00	2.92	2.83	3.41
<b>-42.5</b>	1.49	2.98	2.96	2.94	2.91	2.88	2.83	2.76	2.69	3.25
<b>-47.5</b>	2.03	4.05	4.03	3.97	3.90	3.83	3.74	3.62	3.50	4.17
<b>-55</b>	1.70	3.41	3.40	3.35	3.27	3.18	3.08	2.96	2.83	3.33
<b>-65</b>	0.53	1.07	1.06	1.05	1.02	0.99	0.96	0.92	0.88	1.03
<b>-75</b>	0.04	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.10
<b>-85</b>	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
<b>-90</b>										
<b>Total</b>	737.41	1449.74	1391.44	1299.22	1168.84	1001.11	812.95	623.60	456.27	398.43

**Vert. Horizontal Angles**

<b>Angles</b>	<b>19.5</b>	<b>22.5</b>	<b>25.5</b>	<b>29</b>	<b>33</b>	<b>37.5</b>	<b>42.5</b>	<b>47.5</b>	<b>55</b>	<b>65</b>
<b>90</b>	0.07	0.06	0.07	0.08	0.08	0.07	0.06	0.07	0.05	0.02
<b>85</b>	1.42	1.31	1.40	1.44	1.37	1.11	0.72	0.58	0.31	0.10
<b>75</b>	4.04	3.73	3.99	4.08	3.84	3.22	2.22	1.87	0.87	0.18
<b>65</b>	7.13	6.62	7.11	7.22	6.77	5.85	4.27	3.91	2.01	0.40
<b>55</b>	6.92	6.51	7.05	7.22	6.90	6.17	4.64	4.39	2.43	0.51

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-50-80-HGS.IES**

**LUMENS TABULATION - (Cont.)**

<b>47.5</b>										
	4.99	4.77	5.21	5.40	5.28	4.86	3.75	3.62	2.07	0.45
<b>42.5</b>	5.20	4.94	5.39	5.60	5.55	5.18	4.07	4.01	2.37	0.54
<b>37.5</b>	5.08	4.64	4.91	5.03	4.99	4.71	3.73	3.77	2.32	0.55
<b>33</b>	5.40	4.66	4.65	4.52	4.36	4.08	3.25	3.39	2.17	0.54
<b>29</b>	5.96	4.82	4.51	4.13	3.79	3.46	2.78	2.96	1.97	0.51
<b>25.5</b>	6.50	4.91	4.32	3.75	3.27	2.90	2.33	2.51	1.71	0.46
<b>22.5</b>	8.25	5.85	4.84	3.96	3.30	2.87	2.28	2.48	1.72	0.47
<b>19.5</b>	8.47	5.74	4.48	3.48	2.81	2.39	1.87	2.04	1.45	0.40
<b>17</b>	7.92	5.23	3.92	2.92	2.30	1.91	1.48	1.62	1.16	0.32
<b>15</b>	8.90	5.77	4.25	3.06	2.35	1.92	1.48	1.62	1.16	0.33
<b>13</b>	9.78	6.21	4.56	3.22	2.39	1.93	1.48	1.61	1.16	0.33
<b>11</b>	10.81	6.65	4.81	3.34	2.44	1.94	1.48	1.61	1.16	0.33
<b>9</b>	11.89	7.06	5.03	3.46	2.50	1.95	1.47	1.60	1.15	0.33
<b>7</b>	12.67	7.35	5.21	3.59	2.54	1.95	1.47	1.59	1.15	0.33
<b>5</b>	13.44	7.55	5.33	3.67	2.56	1.96	1.46	1.59	1.14	0.32
<b>3</b>	14.16 *	7.67	5.39	3.71	2.57	1.96	1.46	1.58	1.14	0.32
<b>1</b>	7.24 *	3.86	2.72	1.86	1.29	0.98	0.73	0.79	0.56	0.16
<b>0</b>	7.21 *	3.86	2.72	1.86	1.29	0.98	0.73	0.79	0.56	0.16
<b>-1</b>	14.12 *	7.67	5.44	3.74	2.58	1.95	1.45	1.57	1.12	0.31
<b>-3</b>	13.60 *	7.61	5.41	3.72	2.58	1.95	1.44	1.56	1.11	0.31
<b>-5</b>	13.06	7.48	5.32	3.65	2.55	1.94	1.44	1.55	1.10	0.30
<b>-7</b>	12.40	7.23	5.14	3.53	2.51	1.94	1.44	1.54	1.09	0.30
<b>-9</b>	11.30	6.83	4.91	3.40	2.45	1.92	1.43	1.54	1.07	0.29
<b>-11</b>	10.11	6.34	4.63	3.25	2.38	1.89	1.43	1.53	1.06	0.28
<b>-13</b>	9.04	5.85	4.30	3.07	2.32	1.87	1.42	1.52	1.04	0.27
<b>-15</b>	7.96	5.31	3.97	2.90	2.25	1.84	1.40	1.50	1.02	0.26
<b>-17</b>	8.51	5.83	4.52	3.42	2.71	2.26	1.74	1.85	1.24	0.31
<b>-19.5</b>	8.17	5.79	4.74	3.79	3.10	2.64	2.05	2.18	1.43	0.35

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-50-80-HGS.IES**

**LUMENS TABULATION - (Cont.)**

<b>-22.5</b>	6.14	4.60	4.01	3.42	2.94	2.56	2.01	2.11	1.35	0.32
<b>-25.5</b>	5.28	4.25	3.95	3.57	3.24	2.90	2.27	2.36	1.47	0.34
<b>-29</b>	4.48	3.86	3.82	3.67	3.50	3.20	2.49	2.53	1.52	0.33
<b>-33</b>	3.94	3.58	3.75	3.81	3.74	3.43	2.64	2.61	1.48	0.31
<b>-37.5</b>	3.86	3.62	3.91	4.02	3.91	3.55	2.70	2.56	1.36	0.27
<b>-42.5</b>	3.70	3.47	3.74	3.78	3.63	3.23	2.37	2.14	1.05	0.19
<b>-47.5</b>	4.68	4.33	4.59	4.57	4.31	3.73	2.63	2.23	1.01	0.18
<b>-55</b>	3.68	3.35	3.50	3.45	3.13	2.55	1.68	1.30	0.56	0.12
<b>-65</b>	1.13	1.02	1.06	1.04	0.91	0.68	0.39	0.28	0.14	0.06
<b>-75</b>	0.11	0.10	0.12	0.12	0.12	0.12	0.10	0.12	0.10	0.04
<b>-85</b>	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.01
<b>-90</b>	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.01
<b>Total</b>	318.76	217.95	182.74	152.57	129.43	110.52	83.74	84.61	53.14	13.23

<b>Vert. Angles</b>	<b>Horizontal Angles</b>		
	<b><u>75</u></b>	<b><u>85</u></b>	<b><u>90</u></b>
<b>90</b>			
	0.00	0.00	1.08
<b>85</b>			
	0.02	0.00	20.83
<b>75</b>			
	0.03	0.00	60.28
<b>65</b>			
	0.04	0.00	106.90
<b>55</b>			
	0.05	0.00	103.97
<b>47.5</b>			
	0.04	0.00	75.82
<b>42.5</b>			
	0.05	0.00	80.15
<b>37.5</b>			
	0.05	0.00	79.49
<b>33</b>			
	0.05	0.00	86.84
<b>29</b>			
	0.05	0.00	102.65
<b>25.5</b>			
	0.04	0.00	122.47
<b>22.5</b>			
	0.04	0.00	174.86
<b>19.5</b>			
	0.04	0.00	207.20
<b>17</b>			
	0.03	0.00	224.38

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-50-80-HGS.IES**

**LUMENS TABULATION - (Cont.)**

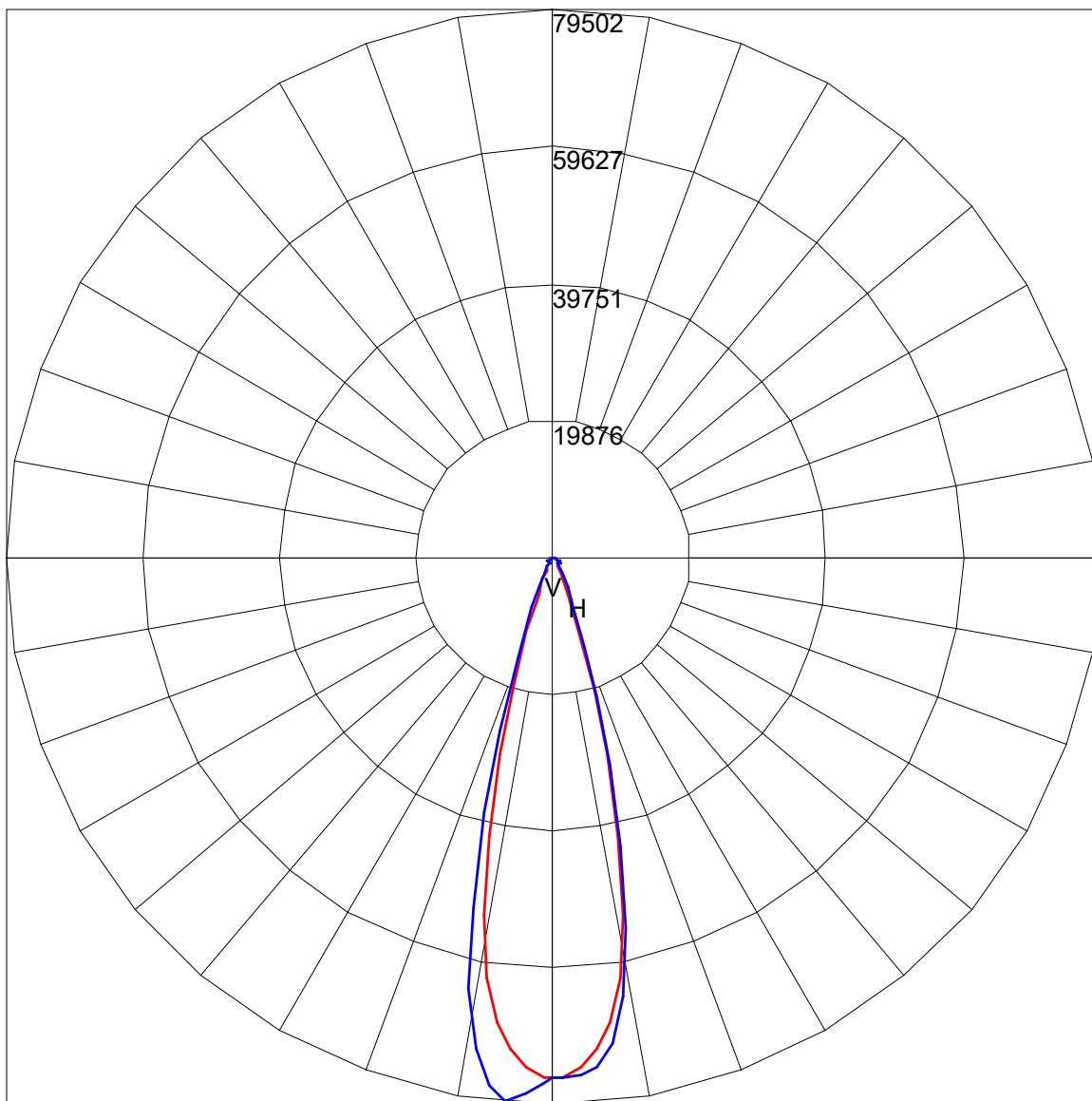
<b>15</b>	0.03	0.00	294.50
<b>13</b>	0.03	0.00	376.74
<b>11</b>	0.03	0.00	460.88
<b>9</b>	0.03	0.00	534.21
<b>7</b>	0.03	0.00	586.45
<b>5</b>	0.03	0.00	617.82
<b>3</b>	0.03	0.00	637.57
<b>1</b>	0.01	0.00	323.89
<b>0</b>	0.01	0.00	325.69
<b>-1</b>	0.03	0.00	654.70
<b>-3</b>	0.03	0.00	651.77
<b>-5</b>	0.03	0.00	631.99
<b>-7</b>	0.03	0.00	588.74
<b>-9</b>	0.03	0.00	520.99
<b>-11</b>	0.03	0.00	435.43
<b>-13</b>	0.02	0.00	342.34
<b>-15</b>	0.02	0.00	255.10
<b>-17</b>	0.03	0.00	224.76
<b>-19.5</b>	0.03	0.00	177.71
<b>-22.5</b>	0.03	0.00	116.04
<b>-25.5</b>	0.03	0.00	92.04
<b>-29</b>	0.03	0.00	73.37
<b>-33</b>	0.03	0.00	61.96
<b>-37.5</b>	0.03	0.00	58.88
<b>-42.5</b>	0.02	0.00	55.01
<b>-47.5</b>	0.02	0.00	69.12
<b>-55</b>	0.03	0.00	53.85
<b>-65</b>	0.02	0.00	16.25

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-50-80-HGS.IES**

**LUMENS TABULATION - (Cont.)**

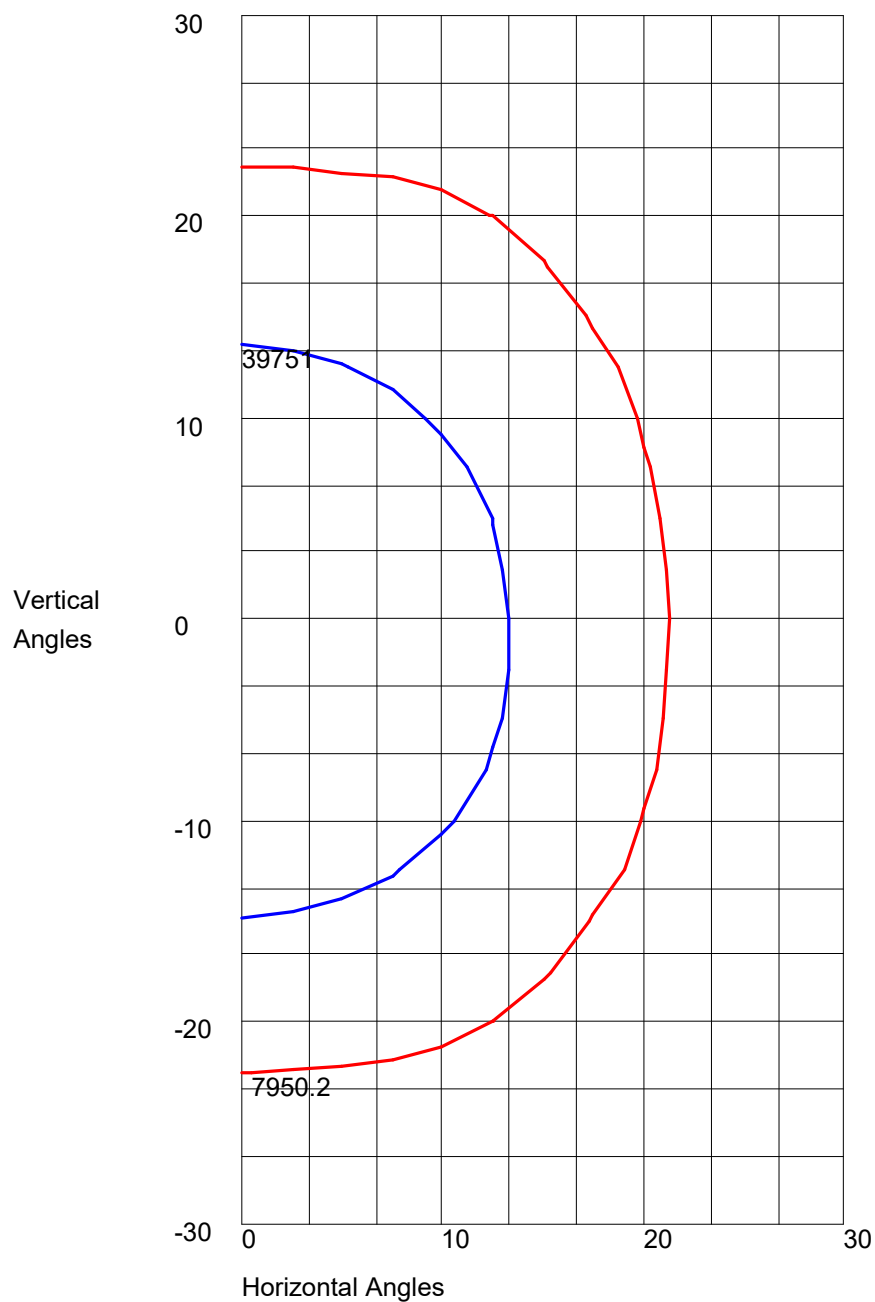
<b>-75</b>	0.01	0.00	1.81
<b>-85</b>	0.00	0.00	0.46
<b>-90</b>			
<b>Total</b>	1.28	0.02	10686.99

AXIAL CANDELA DISPLAY



Maximum Candela = 79502 Located At Horizontal Angle = 0, Vertical Angle = -5  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 79502 Located At Horizontal Angle = 0, Vertical Angle = -5  
50% Maximum Candela = 39751  
10% Maximum Candela = 7950.2