



IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-34L-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-34L-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	109286
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	15506
Beam Efficiency	N.A.
Field Lumens	23093
Field Efficiency	N.A.
Spill Lumens	6289
Luminaire Lumens	29382
Total Efficiency	N.A.
Total Luminaire Watts	278
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	8	85	40
75	67	75	493
65	352	65	1099
55	664	55	1645
47.5	848	47.5	1661
42.5	1005	42.5	1700
37.5	1294	37.5	1802
33	1863	33	2477
29	3036	29	4002
25.5	4866	25.5	6648
22.5	7865	22.5	10853
19.5	15531	19.5	18512
17	27550	17	29400
15	40945	15	42913
13	57482	13	59333
11	72936	11	75523
9	85318	9	88836
7	93775	7	97807
5	98595	5	102150
3	102241	3	103599
1	103811	1	104135
0	104251	0	104251
-1	103811	-1	105323
-3	102241	-3	107403
-5	98595	-5	109286
-7	93775	-7	106318
-9	85318	-9	99476
-11	72936	-11	87882
-13	57482	-13	71836
-15	40945	-15	52814
-17	27550	-17	36569
-19.5	15531	-19.5	21585
-22.5	7865	-22.5	10997
-25.5	4866	-25.5	6409
-29	3036	-29	3722
-33	1863	-33	2119
-37.5	1294	-37.5	1457
-42.5	1005	-42.5	1329
-47.5	848	-47.5	1365
-55	664	-55	1076
-65	352	-65	461
-75	67	-75	18
-85	8	-85	14
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 109286

Beam Edge = 54643 Cd (50% of Max.)

Field Edge = 10928.6 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	5	15	23	28	32	39	42	42
75.0	0	3	11	20	54	121	190	267	327	351
65.0	0	5	15	49	191	356	470	591	703	768
55.0	0	6	22	122	365	592	763	933	1100	1234
47.5	0	7	30	184	500	792	1013	1170	1314	1426
42.5	0	7	39	224	588	903	1125	1277	1426	1524
37.5	0	7	47	261	638	960	1167	1320	1433	1520
33.0	0	8	53	292	670	961	1144	1299	1401	1530
29.0	0	8	59	316	687	947	1106	1255	1404	1616
25.5	0	8	64	335	691	933	1069	1226	1441	1755
22.5	0	8	67	344	688	911	1050	1207	1479	1903
19.5	0	8	69	352	693	887	1035	1212	1512	2057
17.0	0	8	70	357	693	866	1024	1225	1566	2197
15.0	0	8	71	359	692	866	1018	1230	1622	2290
13.0	0	8	71	360	689	866	1018	1245	1661	2484
11.0	0	8	71	360	686	864	1021	1259	1708	2623
9.0	0	8	71	361	681	862	1021	1275	1761	2708
7.0	0	8	71	361	675	858	1018	1285	1812	2835
5.0	0	8	71	360	674	855	1012	1290	1845	2952
3.0	0	8	69	359	672	855	1013	1292	1861	3006
1.0	0	8	68	354	667	850	1008	1296	1867	3037
0.0	0	8	67	352	664	848	1005	1294	1863	3036
-1.0	0	8	67	351	663	847	1005	1298	1871	3051
-3.0	0	8	66	348	662	844	1006	1298	1874	3046
-5.0	0	8	65	341	657	836	1000	1296	1861	3007
-7.0	0	8	63	334	653	834	1002	1288	1830	2904
-9.0	0	8	61	327	650	833	1001	1273	1779	2780
-11.0	0	8	59	318	646	830	997	1251	1719	2673
-13.0	0	8	57	310	640	826	990	1227	1660	2513
-15.0	0	8	54	300	632	820	980	1199	1609	2301
-17.0	0	7	52	289	623	812	970	1181	1542	2193
-19.5	0	7	49	274	609	804	957	1150	1453	2023
-22.5	0	7	45	254	586	791	937	1107	1362	1805
-25.5	0	7	40	233	559	773	914	1073	1267	1563
-29.0	0	7	34	204	523	741	887	1034	1171	1363
-33.0	0	6	27	172	473	698	857	997	1095	1201
-37.5	0	6	23	137	410	647	800	945	1042	1119
-42.5	0	6	19	102	334	580	728	872	982	1086
-47.5	0	5	14	70	252	482	636	805	903	1009
-55.0	0	5	11	31	133	280	396	509	608	690
-65.0	0	3	7	12	25	64	115	179	239	278
-75.0	0	2	5	6	8	10	12	13	14	17
-85.0	0	1	3	7	14	15	16	17	17	17
-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	42	43	44	44	44	44	44	44	43	43
75.0	377	404	430	448	460	471	480	488	494	503
65.0	822	860	916	960	994	1022	1042	1061	1078	1095
55.0	1307	1375	1445	1493	1528	1562	1585	1603	1620	1636
47.5	1490	1546	1580	1605	1624	1636	1642	1648	1653	1658
42.5	1609	1641	1671	1702	1704	1703	1702	1699	1698	1697
37.5	1597	1663	1734	1790	1814	1833	1839	1835	1834	1827
33.0	1680	1853	2027	2151	2230	2281	2352	2412	2457	2484
29.0	1918	2229	2600	2884	3071	3347	3546	3664	3786	3941
25.5	2195	2735	3410	4098	4658	5195	5615	6039	6315	6556
22.5	2509	3345	4479	5644	6745	7645	8490	9373	9835	10167
19.5	2898	4098	5813	7561	9182	11006 *	12625 *	14699 *	15978 *	16864 *
17.0	3255	4867	7062	9480	11631 *	14792 *	17630 *	21259 *	24388 *	26649 *
15.0	3619	5478	8107	10928	14731 *	18629 *	23648 *	28100 *	33907 *	38186 *
13.0	3932	5993	9098	13393 *	17915 *	24245 *	30912 *	38258 *	45388 *	52162 *
11.0	4186	6350	10082	15431 *	22617 *	30652 *	40088 *	49854 *	59643 *	67238 *
9.0	4443	6926	11497 *	18416 *	26381 *	38193 *	49907 *	61615 *	72275 *	81046 *
7.0	4601	7291	12596 *	21057 *	31624 *	44718 *	59014 *	71539 *	83058 *	89600 *
5.0	4738	7594	13362 *	23013 *	35463 *	50171 *	65508 *	78881 *	87982 *	95062 *
3.0	4768	7776	14593 *	25439 *	38375 *	53773 *	68715 *	82233 *	91758 *	96665 *
1.0	4835	7881	15377 *	27162 *	40672 *	56777 *	72116 *	84538 *	93176 *	98370 *
0.0	4866	7865	15531 *	27550 *	40945 *	57482 *	72936 *	85318 *	93775 *	98595 *
-1.0	4857	7838	15266 *	27106 *	40698 *	57594 *	73270 *	85849 *	94536 *	99720 *
-3.0	4826	7751	14654 *	26139 *	40374 *	57161 *	73002 *	86492 *	95806 *	100927 *
-5.0	4813	7680	13744 *	24447 *	38553 *	54453 *	70684 *	84880 *	94265 *	101113 *
-7.0	4694	7457	13201 *	22905 *	34837 *	49391 *	65493 *	79126 *	90634 *	97840 *
-9.0	4536	7137	12171 *	19991 *	28917 *	42819 *	56767 *	70348 *	81983 *	91372 *
-11.0	4252	6562	10548	16258 *	24266 *	34281 *	46390 *	58687 *	70397 *	79080 *
-13.0	3981	6085	9381	13987 *	19117 *	27073 *	35988 *	46299 *	55098 *	62806 *
-15.0	3684	5523	8147	11226 *	15513 *	20244 *	27076 *	33293 *	40733 *	45891 *
-17.0	3337	4938	7046	9584	11808 *	15552 *	19029 *	24021 *	28229 *	30980 *
-19.5	2936	4144	5823	7540	9199	11078 *	12796 *	15403 *	17229 *	18448 *
-22.5	2402	3232	4355	5416	6477	7409	8219	9132	9764	10247
-25.5	1985	2476	3126	3739	4283	4792	5176	5639	5908	6117
-29.0	1634	1900	2226	2519	2726	2997	3205	3365	3522	3661
-33.0	1338	1478	1619	1758	1850	1914	1999	2063	2106	2132
-37.5	1183	1238	1315	1372	1404	1440	1464	1476	1481	1478
-42.5	1149	1194	1233	1262	1284	1304	1321	1328	1328	1328
-47.5	1092	1139	1201	1242	1264	1289	1313	1320	1332	1346
-55.0	760	813	868	917	952	985	1011	1033	1053	1070
-65.0	306	330	364	388	404	418	432	443	453	460
-75.0	17	17	18	18	18	19	19	19	19	19
-85.0	17	17	17	18	18	17	17	16	16	15
-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	42	41	40	41	42	43	43	44	44	44
75.0	499	495	493	495	499	503	494	488	480	471
65.0	1102	1100	1099	1100	1102	1095	1078	1061	1042	1022

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CANDELA TABULATION - (Cont.)

55.0	1646	1645	1645	1645	1646	1636	1620	1603	1585	1562
47.5	1662	1661	1661	1661	1662	1658	1653	1648	1642	1636
42.5	1699	1700	1700	1700	1699	1697	1698	1699	1702	1703
37.5	1814	1808	1802	1808	1814	1827	1834	1835	1839	1833
33.0	2487	2485	2477	2485	2487	2484	2457	2412	2352	2281
29.0	4013	4022	4002	4022	4013	3941	3786	3664	3546	3347
25.5	6695	6698	6648	6698	6695	6556	6315	6039	5615	5195
22.5	10488	10761	10853	10761	10488	10167	9835	9373	8490	7645
19.5	18088 *	18597 *	18512 *	18597 *	18088 *	16864 *	15978 *	14699 *	12625 *	11006 *
17.0	28471 *	29323 *	29400 *	29323 *	28471 *	26649 *	24388 *	21259 *	17630 *	14792 *
15.0	40759 *	42015 *	42913 *	42015 *	40759 *	38186 *	33907 *	28100 *	23648 *	18629 *
13.0	56448 *	57847 *	59333 *	57847 *	56448 *	52162 *	45388 *	38258 *	30912 *	24245 *
11.0	72370 *	74390 *	75523 *	74390 *	72370 *	67238 *	59643 *	49854 *	40088 *	30652 *
9.0	86059 *	88371 *	88836 *	88371 *	86059 *	81046 *	72275 *	61615 *	49907 *	38193 *
7.0	95250 *	97627 *	97807 *	97627 *	95250 *	89600 *	83058 *	71539 *	59014 *	44718 *
5.0	98842 *	101958 *	102150 *	101958 *	98842 *	95062 *	87982 *	78881 *	65508 *	50171 *
3.0	100726 *	103253 *	103599 *	103253 *	100726 *	96665 *	91758 *	82233 *	68715 *	53773 *
1.0	101843 *	103737 *	104135 *	103737 *	101843 *	98370 *	93176 *	84538 *	72116 *	56777 *
0.0	102241 *	103811 *	104251 *	103811 *	102241 *	98595 *	93775 *	85318 *	72936 *	57482 *
-1.0	103129 *	104807 *	105323 *	104807 *	103129 *	99720 *	94536 *	85849 *	73270 *	57594 *
-3.0	104763 *	106955 *	107403 *	106955 *	104763 *	100927 *	95806 *	86492 *	73002 *	57161 *
-5.0	105323 *	108786 *	109286 *	108786 *	105323 *	101113 *	94265 *	84880 *	70684 *	54453 *
-7.0	103314 *	105903 *	106318 *	105903 *	103314 *	97840 *	90634 *	79126 *	65493 *	49391 *
-9.0	96574 *	99102 *	99476 *	99102 *	96574 *	91372 *	81983 *	70348 *	56767 *	42819 *
-11.0	84627 *	87500 *	87882 *	87500 *	84627 *	79080 *	70397 *	58687 *	46390 *	34281 *
-13.0	68373 *	71450 *	71836 *	71450 *	68373 *	62806 *	55098 *	46299 *	35988 *	27073 *
-15.0	49800 *	52745 *	52814 *	52745 *	49800 *	45891 *	40733 *	33293 *	27076 *	20244 *
-17.0	33721 *	35559 *	36569 *	35559 *	33721 *	30980 *	28229 *	24021 *	19029 *	15552 *
-19.5	19963 *	20818 *	21585 *	20818 *	19963 *	18448 *	17229 *	15403 *	12796 *	11078 *
-22.5	10558	10976 *	10997 *	10976 *	10558	10247	9764	9132	8219	7409
-25.5	6227	6292	6409	6292	6227	6117	5908	5639	5176	4792
-29.0	3725	3711	3722	3711	3725	3661	3522	3365	3205	2997
-33.0	2132	2116	2119	2116	2132	2132	2106	2063	1999	1914
-37.5	1468	1457	1457	1457	1468	1478	1481	1476	1464	1440
-42.5	1326	1327	1329	1327	1326	1328	1328	1328	1321	1304
-47.5	1363	1363	1365	1363	1363	1346	1332	1320	1313	1289
-55.0	1078	1076	1076	1076	1078	1070	1053	1033	1011	985
-65.0	464	462	461	462	464	460	453	443	432	418
-75.0	18	18	18	18	18	19	19	19	19	19
-85.0	14	14	14	14	14	15	16	16	17	17
-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	44	44	44	43	42	42	42	39	32	28
75.0	460	448	430	404	377	351	327	267	190	121
65.0	994	960	916	860	822	768	703	591	470	356
55.0	1528	1493	1445	1375	1307	1234	1100	933	763	592
47.5	1624	1605	1580	1546	1490	1426	1314	1170	1013	792
42.5	1704	1702	1671	1641	1609	1524	1426	1277	1125	903
37.5	1814	1790	1734	1663	1597	1520	1433	1320	1167	960
33.0	2230	2151	2027	1853	1680	1530	1401	1299	1144	961
29.0	3071	2884	2600	2229	1918	1616	1404	1255	1106	947
25.5	4658	4098	3410	2735	2195	1755	1441	1226	1069	933

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CANDELA TABULATION - (Cont.)

22.5	6745	5644	4479	3345	2509	1903	1479	1207	1050	911
19.5	9182	7561	5813	4098	2898	2057	1512	1212	1035	887
17.0	11631 *	9480	7062	4867	3255	2197	1566	1225	1024	866
15.0	14731 *	10928	8107	5478	3619	2290	1622	1230	1018	866
13.0	17915 *	13393 *	9098	5993	3932	2484	1661	1245	1018	866
11.0	22617 *	15431 *	10082	6350	4186	2623	1708	1259	1021	864
9.0	26381 *	18416 *	11497 *	6926	4443	2708	1761	1275	1021	862
7.0	31624 *	21057 *	12596 *	7291	4601	2835	1812	1285	1018	858
5.0	35463 *	23013 *	13362 *	7594	4738	2952	1845	1290	1012	855
3.0	38375 *	25439 *	14593 *	7776	4768	3006	1861	1292	1013	855
1.0	40672 *	27162 *	15377 *	7881	4835	3037	1867	1296	1008	850
0.0	40945 *	27550 *	15531 *	7865	4866	3036	1863	1294	1005	848
-1.0	40698 *	27106 *	15266 *	7838	4857	3051	1871	1298	1005	847
-3.0	40374 *	26139 *	14654 *	7751	4826	3046	1874	1298	1006	844
-5.0	38553 *	24447 *	13744 *	7680	4813	3007	1861	1296	1000	836
-7.0	34837 *	22905 *	13201 *	7457	4694	2904	1830	1288	1002	834
-9.0	28917 *	19991 *	12171 *	7137	4536	2780	1779	1273	1001	833
-11.0	24266 *	16258 *	10548	6562	4252	2673	1719	1251	997	830
-13.0	19117 *	13987 *	9381	6085	3981	2513	1660	1227	990	826
-15.0	15513 *	11226 *	8147	5523	3684	2301	1609	1199	980	820
-17.0	11808 *	9584	7046	4938	3337	2193	1542	1181	970	812
-19.5	9199	7540	5823	4144	2936	2023	1453	1150	957	804
-22.5	6477	5416	4355	3232	2402	1805	1362	1107	937	791
-25.5	4283	3739	3126	2476	1985	1563	1267	1073	914	773
-29.0	2726	2519	2226	1900	1634	1363	1171	1034	887	741
-33.0	1850	1758	1619	1478	1338	1201	1095	997	857	698
-37.5	1404	1372	1315	1238	1183	1119	1042	945	800	647
-42.5	1284	1262	1233	1194	1149	1086	982	872	728	580
-47.5	1264	1242	1201	1139	1092	1009	903	805	636	482
-55.0	952	917	868	813	760	690	608	509	396	280
-65.0	404	388	364	330	306	278	239	179	115	64
-75.0	18	18	18	17	17	17	14	13	12	10
-85.0	18	18	17	17	17	17	17	17	16	15
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. 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	23	15	5	1	0
75.0	54	20	11	3	0
65.0	191	49	15	5	0
55.0	365	122	22	6	0
47.5	500	184	30	7	0
42.5	588	224	39	7	0
37.5	638	261	47	7	0
33.0	670	292	53	8	0
29.0	687	316	59	8	0
25.5	691	335	64	8	0
22.5	688	344	67	8	0
19.5	693	352	69	8	0
17.0	693	357	70	8	0
15.0	692	359	71	8	0
13.0	689	360	71	8	0
11.0	686	360	71	8	0
9.0	681	361	71	8	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-34L-PC-NF-50-80-HGS.IES

CANDELA TABULATION - (Cont.)

7.0	675	361	71	8	0
5.0	674	360	71	8	0
3.0	672	359	69	8	0
1.0	667	354	68	8	0
0.0	664	352	67	8	0
-1.0	663	351	67	8	0
-3.0	662	348	66	8	0
-5.0	657	341	65	8	0
-7.0	653	334	63	8	0
-9.0	650	327	61	8	0
-11.0	646	318	59	8	0
-13.0	640	310	57	8	0
-15.0	632	300	54	8	0
-17.0	623	289	52	7	0
-19.5	609	274	49	7	0
-22.5	586	254	45	7	0
-25.5	559	233	40	7	0
-29.0	523	204	34	7	0
-33.0	473	172	27	6	0
-37.5	410	137	23	6	0
-42.5	334	102	19	6	0
-47.5	252	70	14	5	0
-55.0	133	31	11	5	0
-65.0	25	12	7	3	0
-75.0	8	6	5	2	0
-85.0	14	7	3	1	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-34L-PC-NF-50-80-HGS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 14690.95

Total Field Lumens (one side of beam only) = 11546.32

* 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	0.03	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.06	0.08
75	0.81	1.64	1.65	1.64	1.61	1.58	1.55	1.51	1.46	1.75
65	2.43	4.86	4.86	4.80	4.71	4.61	4.49	4.35	4.19	4.98
55	4.18	8.36	8.32	8.22	8.09	7.94	7.76	7.55	7.28	8.70
47.5	3.78	7.55	7.52	7.46	7.38	7.29	7.18	7.04	6.86	8.30
42.5	2.56	5.12	5.10	5.08	5.05	5.02	4.98	4.93	4.86	5.93
37.5	2.67	5.34	5.35	5.34	5.33	5.31	5.27	5.21	5.13	6.23
33	2.94	5.89	5.89	5.86	5.79	5.70	5.57	5.43	5.26	6.27
29	3.96	7.92	7.85	7.68	7.43	7.18	6.87	6.46	6.05	6.99
25.5	5.70	11.42	11.28	10.92	10.45	9.90	9.23	8.42	7.54	8.22
22.5	7.99	15.82	15.45	14.94	14.28	13.28	12.04	10.75	9.29	9.56
19.5	13.42 *	26.45 *	25.35 *	24.01 *	22.57 *	20.33 *	17.77	15.33	12.79	12.74
17	18.24 *	35.95 *	34.21 *	31.76 *	28.78 *	24.83 *	20.88 *	17.22 *	13.85	13.52
15	21.88 *	42.79 *	40.74 *	37.30 *	32.47 *	27.19 *	22.26 *	17.67 *	13.69 *	12.86
13	30.78 *	59.99 *	56.99 *	51.39 *	43.93 *	36.27 *	29.03 *	22.32 *	16.68 *	15.02
11	40.68 *	79.47 *	75.42 *	67.99 *	58.26 *	47.73 *	37.51 *	28.20 *	20.31 *	17.36 *
9	49.82 *	97.78 *	93.20 *	84.88 *	73.41 *	60.43 *	47.33 *	34.83 *	24.26 *	20.04 *
7	56.75 *	111.81 *	106.95 *	98.75 *	87.02 *	72.62 *	57.16 *	41.65 *	28.54 *	22.98 *
5	60.85 *	119.84 *	115.09 *	107.75 *	96.96 *	82.48 *	65.37 *	47.87 *	32.55 *	25.32 *
3	62.59 *	123.22 *	118.90 *	112.53 *	102.81 *	88.59 *	70.96 *	52.54 *	35.81 *	27.63 *
1	63.16 *	124.68 *	120.82 *	115.11 *	106.09 *	92.27 *	74.90 *	56.04 *	38.55 *	29.86 *
0	31.67 *	62.65 *	60.93 *	58.15 *	53.81 *	47.23 *	38.63 *	28.95 *	19.96 *	15.48 *
-1	31.85 *	63.01 *	61.33 *	58.56 *	54.22 *	47.60 *	38.92 *	29.07 *	19.95 *	15.45 *
	64.65 *	127.75 *	124.14 *	118.44 *	109.40 *	95.58 *	77.77 *	57.88 *	39.33 *	30.07 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-34L-PC-NF-50-80-HGS.IES

LUMENS TABULATION - (Cont.)

-3	65.86 *	129.63 *	125.23 *	118.78 *	109.02 *	94.51 *	76.07 *	56.32 *	37.92 *	28.56 *
-5	65.53 *	128.87 *	123.85 *	116.28 *	105.24 *	90.05 *	71.51 *	52.38 *	35.35 *	26.87 *
-7	62.57 *	123.26 *	118.23 *	109.61 *	97.15 *	81.51 *	63.90 *	46.10 *	31.23 *	24.69 *
-9	56.95 *	111.97 *	106.85 *	97.80 *	84.89 *	69.65 *	53.71 *	38.51 *	26.19 *	21.32 *
-11	48.53 *	94.96 *	89.60 *	81.00 *	69.52 *	56.20 *	42.82 *	30.96 *	21.56 *	18.14 *
-13	37.90 *	73.78 *	68.94 *	61.96 *	52.91 *	42.79 *	32.89 *	24.22 *	17.52 *	15.45
-15	27.06 *	52.31 *	48.74 *	44.18 *	38.09 *	31.02 *	24.40 *	18.65 *	14.09 *	13.02
-17	21.80 *	41.88 *	39.16 *	35.93 *	32.00 *	26.72 *	21.77 *	17.60 *	13.96	13.56
-19.5	14.71 *	28.45 *	26.99 *	25.30 *	23.31 *	20.50 *	17.65	15.15	12.58	12.55
-22.5	7.92	15.55	15.11	14.56	13.77	12.67	11.44	10.18	8.75	9.02
-25.5	5.37	10.63	10.49	10.18	9.73	9.13	8.43	7.65	6.80	7.35
-29	3.55	7.11	7.08	6.92	6.67	6.38	6.03	5.61	5.18	5.87
-33	2.45	4.91	4.93	4.91	4.84	4.73	4.57	4.39	4.21	4.93
-37.5	2.12	4.25	4.25	4.25	4.23	4.19	4.12	4.01	3.90	4.68
-42.5	2.05	4.09	4.07	4.04	4.00	3.96	3.89	3.80	3.70	4.46
-47.5	2.79	5.57	5.53	5.45	5.36	5.26	5.14	4.98	4.80	5.73
-55	2.34	4.69	4.67	4.60	4.50	4.38	4.24	4.08	3.90	4.59
-65	0.73	1.46	1.46	1.44	1.41	1.37	1.32	1.27	1.21	1.42
-75	0.05	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.13
-85	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03
-90										
Total	1013.67	1992.87	1912.72	1785.96	1606.73	1376.17	1117.52	857.24	627.22	547.73

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.09	0.09	0.10	0.11	0.11	0.10	0.08	0.09	0.07	0.03
85	1.96	1.81	1.92	1.99	1.89	1.54	1.00	0.81	0.43	0.13
75	5.57	5.14	5.49	5.61	5.28	4.43	3.06	2.58	1.19	0.25
65	9.80	9.11	9.79	9.93	9.31	8.04	5.87	5.37	2.76	0.54
55	9.51	8.95	9.70	9.93	9.48	8.48	6.38	6.03	3.34	0.70

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-34L-PC-NF-50-80-HGS.IES

LUMENS TABULATION - (Cont.)

47.5										
	6.86	6.56	7.17	7.43	7.26	6.68	5.16	4.97	2.84	0.62
42.5	7.15	6.79	7.40	7.71	7.63	7.13	5.59	5.52	3.25	0.74
37.5	6.98	6.38	6.75	6.91	6.87	6.47	5.13	5.19	3.18	0.76
33	7.43	6.41	6.39	6.21	6.00	5.60	4.48	4.67	2.99	0.75
29	8.19	6.63	6.21	5.68	5.22	4.75	3.82	4.07	2.70	0.70
25.5	8.94	6.75	5.94	5.15	4.49	3.98	3.20	3.45	2.35	0.63
22.5	11.35	8.04	6.66	5.44	4.54	3.94	3.14	3.41	2.37	0.65
19.5	11.64	7.89	6.16	4.79	3.86	3.28	2.57	2.80	1.99	0.55
17	10.88	7.19	5.38	4.01	3.16	2.62	2.03	2.23	1.60	0.45
15	12.23	7.94	5.84	4.21	3.22	2.63	2.03	2.22	1.60	0.45
13	13.45	8.54	6.27	4.43	3.29	2.65	2.03	2.22	1.59	0.45
11	14.87	9.14	6.61	4.59	3.36	2.67	2.03	2.21	1.59	0.45
9	16.34	9.71	6.91	4.76	3.43	2.68	2.02	2.20	1.58	0.45
7	17.42	10.11	7.17	4.93	3.49	2.69	2.01	2.19	1.57	0.45
5	18.48	10.38	7.33	5.05	3.52	2.69	2.01	2.18	1.57	0.45
3	19.46 *	10.54	7.41	5.10	3.53	2.69	2.01	2.17	1.56	0.44
1	9.95 *	5.31	3.74	2.56	1.77	1.34	1.00	1.08	0.77	0.22
0	9.92 *	5.31	3.75	2.56	1.77	1.34	1.00	1.08	0.77	0.22
-1	19.41 *	10.55	7.48	5.14	3.55	2.69	1.99	2.15	1.54	0.43
-3	18.69 *	10.46	7.44	5.11	3.54	2.68	1.98	2.14	1.53	0.43
-5	17.95	10.29	7.31	5.01	3.51	2.67	1.98	2.13	1.51	0.42
-7	17.05	9.94	7.07	4.85	3.45	2.66	1.98	2.12	1.49	0.41
-9	15.53	9.39	6.75	4.67	3.37	2.64	1.97	2.11	1.48	0.40
-11	13.89	8.71	6.36	4.47	3.28	2.60	1.96	2.10	1.46	0.39
-13	12.43	8.04	5.91	4.22	3.19	2.56	1.95	2.08	1.43	0.38
-15	10.94	7.30	5.46	3.99	3.10	2.53	1.93	2.06	1.40	0.36
-17	11.70	8.01	6.21	4.71	3.73	3.10	2.38	2.54	1.71	0.43
-19.5	11.23	7.96	6.51	5.20	4.26	3.63	2.82	2.99	1.97	0.49

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-34L-PC-NF-50-80-HGS.IES

LUMENS TABULATION - (Cont.)

-22.5	8.44	6.32	5.51	4.70	4.04	3.53	2.76	2.90	1.86	0.45
-25.5	7.26	5.84	5.43	4.90	4.45	3.99	3.12	3.25	2.02	0.47
-29	6.16	5.30	5.25	5.04	4.81	4.40	3.43	3.48	2.09	0.45
-33	5.42	4.92	5.16	5.24	5.14	4.72	3.64	3.58	2.04	0.42
-37.5	5.31	4.97	5.37	5.52	5.37	4.88	3.71	3.52	1.87	0.37
-42.5	5.08	4.77	5.14	5.19	4.98	4.43	3.26	2.94	1.44	0.27
-47.5	6.43	5.95	6.31	6.28	5.93	5.13	3.62	3.07	1.39	0.25
-55	5.07	4.61	4.82	4.74	4.29	3.50	2.30	1.79	0.76	0.16
-65	1.55	1.40	1.46	1.43	1.25	0.93	0.54	0.38	0.19	0.08
-75	0.15	0.14	0.16	0.17	0.17	0.17	0.14	0.17	0.13	0.05
-85	0.04	0.04	0.04	0.04	0.05	0.05	0.04	0.05	0.04	0.01
-90	0.04	0.04	0.04	0.04	0.05	0.05	0.04	0.05	0.04	0.01
Total	438.22	299.63	251.23	209.73	177.90	151.92	115.13	116.34	73.03	18.17

Vert. Angles	Horizontal Angles		
	<u>75</u>	<u>85</u>	<u>90</u>
90			
	0.00	0.00	1.51
85			
	0.03	0.00	28.70
75			
	0.04	0.00	82.93
65			
	0.06	0.00	147.00
55			
	0.06	0.00	142.92
47.5			
	0.05	0.00	104.22
42.5			
	0.07	0.00	110.17
37.5			
	0.07	0.00	109.27
33			
	0.07	0.00	119.38
29			
	0.06	0.00	141.11
25.5			
	0.06	0.00	168.35
22.5			
	0.06	0.00	240.37
19.5			
	0.05	0.00	284.83
17			
	0.04	0.00	308.44

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-34L-PC-NF-50-80-HGS.IES

LUMENS TABULATION - (Cont.)

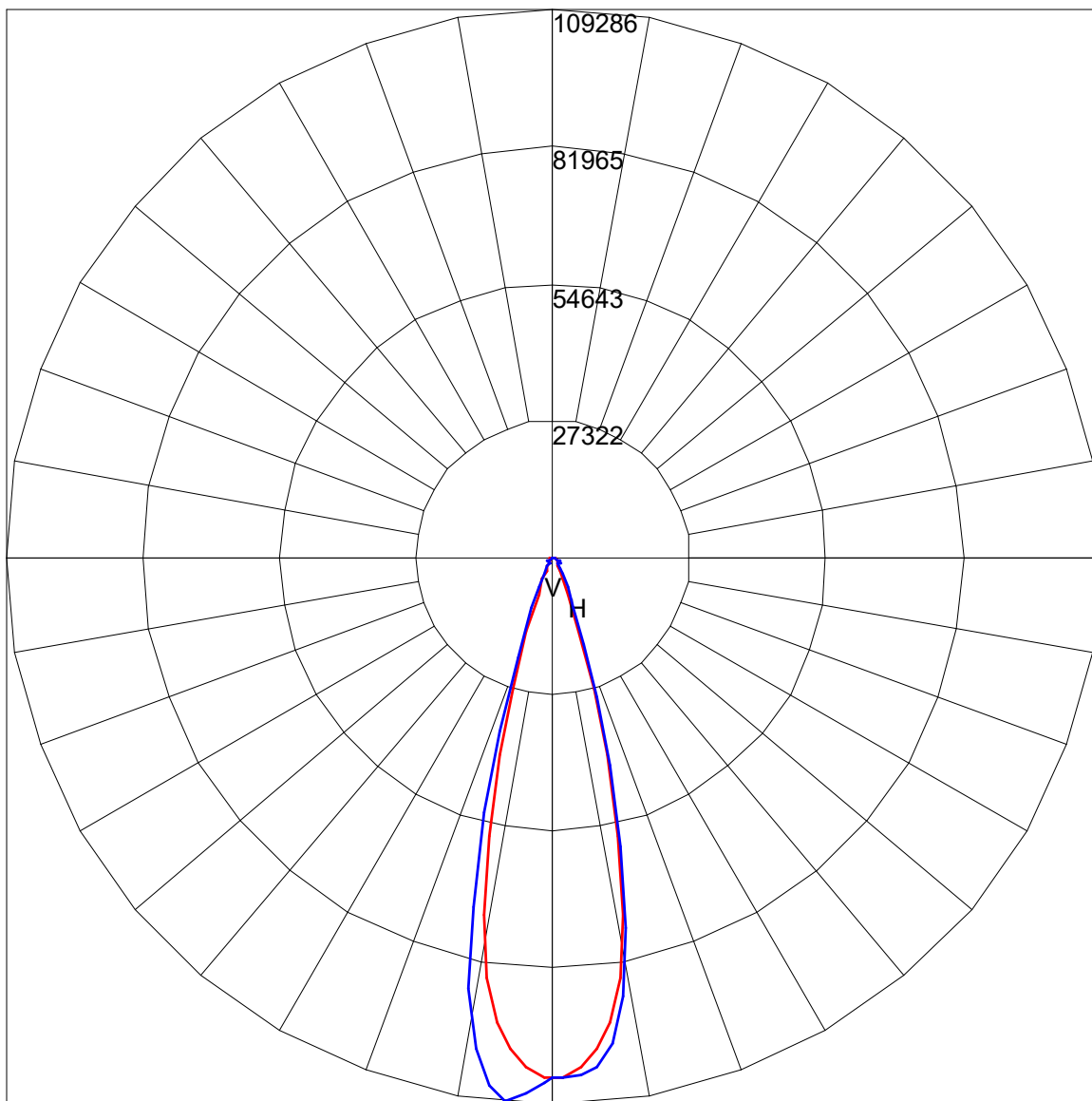
15	0.04	0.00	404.82
13	0.04	0.00	517.87
11	0.04	0.00	633.54
9	0.04	0.00	734.36
7	0.04	0.00	806.16
5	0.04	0.00	849.28
3	0.04	0.00	876.42
1	0.02	0.00	445.23
0	0.02	0.00	447.70
-1	0.04	0.00	899.98
-3	0.04	0.00	895.94
-5	0.04	0.00	868.75
-7	0.04	0.00	809.30
-9	0.04	0.00	716.17
-11	0.03	0.00	598.57
-13	0.03	0.00	470.59
-15	0.03	0.00	350.66
-17	0.04	0.00	308.95
-19.5	0.04	0.00	244.29
-22.5	0.04	0.00	159.51
-25.5	0.04	0.00	126.52
-29	0.04	0.00	100.86
-33	0.04	0.00	85.17
-37.5	0.04	0.00	80.93
-42.5	0.03	0.00	75.63
-47.5	0.03	0.00	95.02
-55	0.03	0.00	74.05
-65	0.02	0.00	22.34

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-34L-PC-NF-50-80-HGS.IES

LUMENS TABULATION - (Cont.)

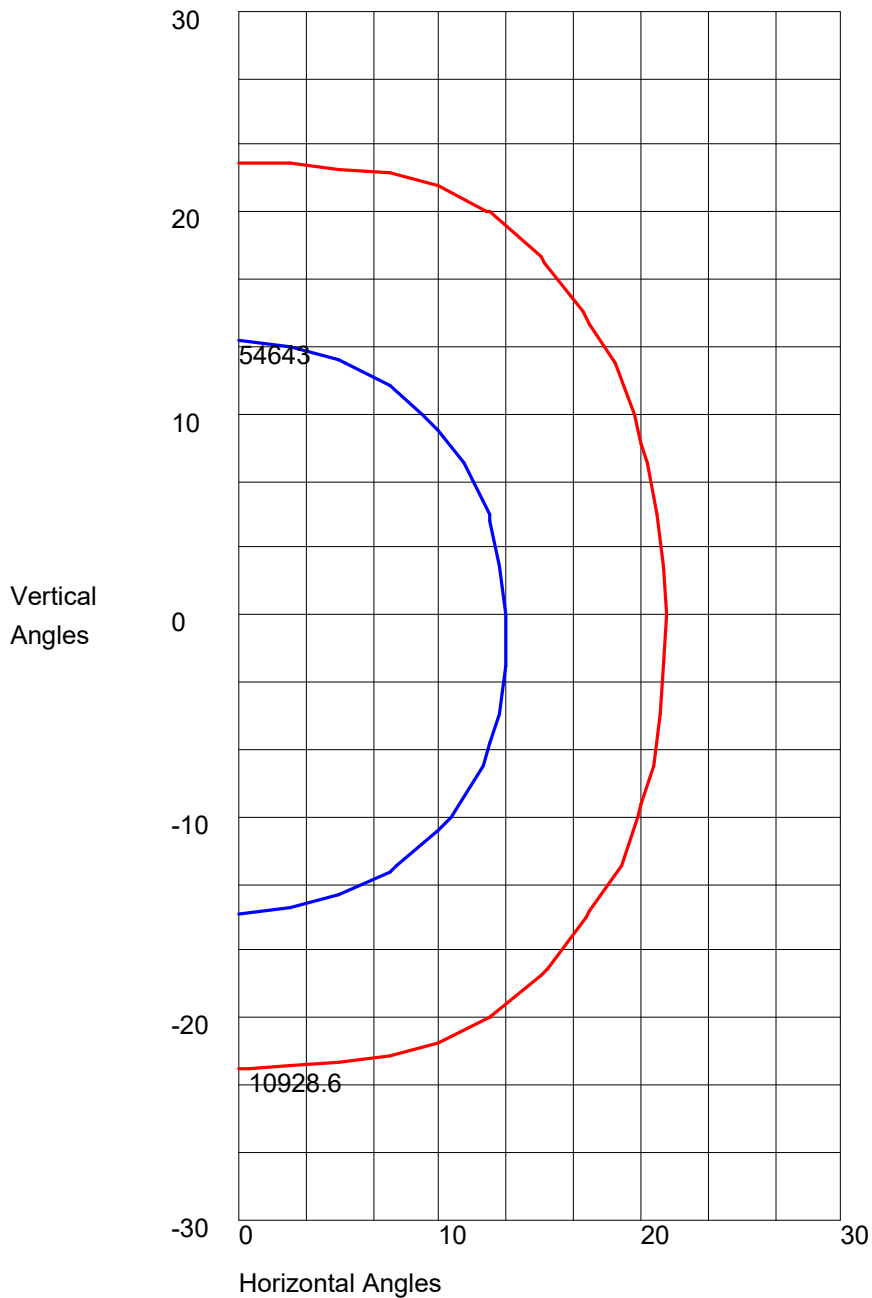
-75	0.01	0.00	2.48
-85	0.00	0.00	0.64
-90			
Total	1.76	0.03	14690.94

AXIAL CANDELA DISPLAY



Maximum Candela = 109286 Located At Horizontal Angle = 0, Vertical Angle = -5
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 109286 Located At Horizontal Angle = 0, Vertical Angle = -5
50% Maximum Candela = 54643
10% Maximum Candela = 10928.6