



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-34L-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-34L-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	112100
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	15905
Beam Efficiency	N.A.
Field Lumens	23687
Field Efficiency	N.A.
Spill Lumens	6451
Luminaire Lumens	30138
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	41
75	69	75	506
65	361	65	1127
55	681	55	1687
47.5	870	47.5	1704
42.5	1031	42.5	1744
37.5	1327	37.5	1848
33	1911	33	2541
29	3114	29	4105
25.5	4992	25.5	6820
22.5	8068	22.5	11132
19.5	15931	19.5	18989
17	28259	17	30157
15	41999	15	44018
13	58961	13	60860
11	74814	11	77467
9	87514	9	91123
7	96189	7	100325
5	101133	5	104780
3	104873	3	106266
1	106484	1	106816
0	106935	0	106935
-1	106484	-1	108035
-3	104873	-3	110168
-5	101133	-5	112100
-7	96189	-7	109055
-9	87514	-9	102037
-11	74814	-11	90144
-13	58961	-13	73685
-15	41999	-15	54174
-17	28259	-17	37511
-19.5	15931	-19.5	22140
-22.5	8068	-22.5	11280
-25.5	4992	-25.5	6575
-29	3114	-29	3818
-33	1911	-33	2174
-37.5	1327	-37.5	1494
-42.5	1031	-42.5	1363
-47.5	870	-47.5	1400
-55	681	-55	1104
-65	361	-65	473
-75	69	-75	18
-85	8	-85	14
-90	0	-90	0

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**CANDELA TABULATION**

Maximum Candela = 112100

Beam Edge = 56050 Cd (50% of Max.)

Field Edge = 11210 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	5	15	24	29	33	40	43	43
<b>75.0</b>	0	3	11	21	55	123	194	274	335	360
<b>65.0</b>	0	5	15	50	195	365	481	605	721	788
<b>55.0</b>	0	6	23	125	375	607	783	957	1129	1266
<b>47.5</b>	0	7	31	189	513	813	1038	1200	1348	1462
<b>42.5</b>	0	7	40	230	603	926	1153	1310	1463	1563
<b>37.5</b>	0	7	48	268	655	985	1197	1354	1469	1559
<b>33.0</b>	0	8	54	299	687	986	1174	1333	1437	1569
<b>29.0</b>	0	8	61	324	705	972	1135	1287	1440	1657
<b>25.5</b>	0	8	66	344	709	957	1097	1258	1478	1800
<b>22.5</b>	0	8	68	353	705	935	1077	1239	1517	1952
<b>19.5</b>	0	8	70	361	711	910	1062	1243	1551	2110
<b>17.0</b>	0	8	72	366	711	888	1051	1256	1606	2254
<b>15.0</b>	0	8	73	369	710	888	1045	1262	1664	2350
<b>13.0</b>	0	8	73	370	707	888	1045	1278	1704	2548
<b>11.0</b>	0	8	73	369	704	886	1047	1292	1752	2691
<b>9.0</b>	0	8	73	370	699	884	1047	1308	1806	2778
<b>7.0</b>	0	8	73	371	693	880	1044	1318	1859	2908
<b>5.0</b>	0	8	73	369	691	877	1038	1323	1892	3028
<b>3.0</b>	0	8	71	368	689	877	1039	1325	1909	3083
<b>1.0</b>	0	8	70	363	684	872	1034	1329	1915	3115
<b>0.0</b>	0	8	69	361	681	870	1031	1327	1911	3114
<b>-1.0</b>	0	8	69	360	680	869	1031	1331	1919	3130
<b>-3.0</b>	0	8	68	357	679	866	1032	1332	1923	3124
<b>-5.0</b>	0	8	67	350	674	857	1026	1329	1909	3085
<b>-7.0</b>	0	8	65	343	669	856	1028	1322	1877	2979
<b>-9.0</b>	0	8	63	335	666	855	1027	1306	1825	2852
<b>-11.0</b>	0	8	61	327	662	852	1023	1283	1764	2742
<b>-13.0</b>	0	8	59	318	656	847	1016	1258	1702	2578
<b>-15.0</b>	0	8	56	308	649	841	1006	1229	1651	2360
<b>-17.0</b>	0	7	54	297	639	833	995	1212	1582	2249
<b>-19.5</b>	0	7	50	281	625	825	981	1180	1490	2075
<b>-22.5</b>	0	7	46	260	601	811	961	1136	1397	1852
<b>-25.5</b>	0	7	41	239	574	793	937	1101	1300	1603
<b>-29.0</b>	0	7	36	210	536	759	910	1061	1201	1398
<b>-33.0</b>	0	6	28	176	485	716	878	1023	1123	1231
<b>-37.5</b>	0	6	24	140	421	664	820	970	1069	1148
<b>-42.5</b>	0	6	19	105	343	595	747	894	1007	1114
<b>-47.5</b>	0	5	14	71	258	494	652	826	926	1035
<b>-55.0</b>	0	5	11	32	136	287	406	522	624	708
<b>-65.0</b>	0	3	7	12	25	66	118	184	245	285
<b>-75.0</b>	0	2	5	6	8	10	12	13	14	17
<b>-85.0</b>	0	1	3	7	14	15	16	17	17	17
<b>-90.0</b>	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	43	44	45	45	45	45	45	45	44	44
75.0	387	414	441	459	472	483	492	500	507	516
65.0	842	882	939	984	1019	1048	1069	1088	1106	1123
55.0	1341	1411	1482	1531	1568	1602	1625	1644	1662	1678
47.5	1529	1586	1621	1647	1665	1678	1684	1690	1696	1701
42.5	1651	1683	1714	1746	1748	1747	1745	1743	1741	1741
37.5	1638	1706	1778	1836	1861	1880	1886	1883	1882	1874
33.0	1723	1900	2079	2207	2288	2340	2413	2474	2520	2548
29.0	1967	2286	2667	2958	3150	3433	3637	3758	3883	4042
25.5	2251	2805	3498	4203	4778	5329	5760	6195	6477	6724
22.5	2573	3431	4594	5789	6918	7841	8708	9614	10089	10428
19.5	2972	4204	5963	7756	9418	11289 *	12950 *	15077 *	16389 *	17297 *
17.0	3339	4992	7243	9724	11930 *	15173 *	18084 *	21806 *	25016 *	27335 *
15.0	3712	5619	8316	11210	15110 *	19109 *	24257 *	28823 *	34780 *	39169 *
13.0	4033	6148	9332	13738 *	18376 *	24869 *	31708 *	39244 *	46557 *	53505 *
11.0	4293	6514	10341	15828 *	23200 *	31441 *	41121 *	51138 *	61178 *	68969 *
9.0	4558	7104	11793 *	18890 *	27060 *	39177 *	51192 *	63202 *	74136 *	83132 *
7.0	4720	7479	12920 *	21598 *	32438 *	45870 *	60533 *	73381 *	85197 *	91906 *
5.0	4859	7790	13706 *	23605 *	36376 *	51462 *	67195 *	80912 *	90248 *	97509 *
3.0	4890	7976	14968 *	26094 *	39363 *	55158 *	70484 *	84350 *	94121 *	99154 *
1.0	4959	8084	15773 *	27861 *	41720 *	58238 *	73973 *	86714 *	95575 *	100903 *
0.0	4992	8068	15931 *	28259 *	41999 *	58961 *	74814 *	87514 *	96189 *	101133 *
-1.0	4982	8040	15659 *	27804 *	41746 *	59077 *	75156 *	88060 *	96970 *	102287 *
-3.0	4950	7950	15031 *	26812 *	41414 *	58633 *	74882 *	88719 *	98272 *	103526 *
-5.0	4937	7878	14098 *	25076 *	39546 *	55855 *	72503 *	87066 *	96692 *	103716 *
-7.0	4815	7649	13541 *	23494 *	35734 *	50662 *	67179 *	81163 *	92968 *	100359 *
-9.0	4653	7321	12484 *	20506 *	29662 *	43921 *	58228 *	72160 *	84094 *	93725 *
-11.0	4361	6731	10820	16676 *	24892 *	35164 *	47585 *	60198 *	72210 *	81116 *
-13.0	4083	6241	9623	14348 *	19610 *	27770 *	36914 *	47491 *	56517 *	64423 *
-15.0	3779	5666	8356	11515 *	15913 *	20766 *	27773 *	34150 *	41782 *	47072 *
-17.0	3423	5065	7227	9831	12112 *	15952 *	19519 *	24640 *	28956 *	31778 *
-19.5	3011	4250	5974	7735	9436	11364 *	13125 *	15800 *	17673 *	18923 *
-22.5	2464	3315	4467	5555	6644	7600	8431	9368	10015	10511
-25.5	2036	2540	3207	3835	4393	4915	5310	5784	6060	6275
-29.0	1676	1949	2283	2584	2796	3074	3287	3451	3613	3755
-33.0	1372	1516	1661	1804	1898	1964	2050	2116	2161	2187
-37.5	1214	1270	1348	1408	1440	1477	1502	1514	1519	1516
-42.5	1178	1225	1265	1294	1317	1338	1355	1362	1362	1362
-47.5	1120	1168	1233	1275	1297	1322	1347	1354	1366	1381
-55.0	780	834	890	940	977	1010	1037	1060	1080	1097
-65.0	314	339	374	398	414	429	443	455	465	472
-75.0	18	18	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	43	42	41	42	43	44	44	45	45	45
75.0	512	508	506	508	512	516	507	500	492	483
65.0	1130	1128	1127	1128	1130	1123	1106	1088	1069	1048

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**CANDELA TABULATION - (Cont.)**

55.0	1688	1687	1687	1687	1688	1678	1662	1644	1625	1602
47.5	1705	1704	1704	1704	1705	1701	1696	1690	1684	1678
42.5	1743	1744	1744	1744	1743	1741	1741	1743	1745	1747
37.5	1861	1854	1848	1854	1861	1874	1882	1883	1886	1880
33.0	2551	2549	2541	2549	2551	2548	2520	2474	2413	2340
29.0	4116	4126	4105	4126	4116	4042	3883	3758	3637	3433
25.5	6867	6870	6820	6870	6867	6724	6477	6195	5760	5329
22.5	10758	11037	11132	11037	10758	10428	10089	9614	8708	7841
19.5	18553 *	19076 *	18989 *	19076 *	18553 *	17297 *	16389 *	15077 *	12950 *	11289 *
17.0	29204 *	30077 *	30157 *	30077 *	29204 *	27335 *	25016 *	21806 *	18084 *	15173 *
15.0	41808 *	43097 *	44018 *	43097 *	41808 *	39169 *	34780 *	28823 *	24257 *	19109 *
13.0	57901 *	59336 *	60860 *	59336 *	57901 *	53505 *	46557 *	39244 *	31708 *	24869 *
11.0	74233 *	76305 *	77467 *	76305 *	74233 *	68969 *	61178 *	51138 *	41121 *	31441 *
9.0	88275 *	90646 *	91123 *	90646 *	88275 *	83132 *	74136 *	63202 *	51192 *	39177 *
7.0	97702 *	100140 *	100325 *	100140 *	97702 *	91906 *	85197 *	73381 *	60533 *	45870 *
5.0	101387 *	104583 *	104780 *	104583 *	101387 *	97509 *	90248 *	80912 *	67195 *	51462 *
3.0	103320 *	105911 *	106266 *	105911 *	103320 *	99154 *	94121 *	84350 *	70484 *	55158 *
1.0	104466 *	106408 *	106816 *	106408 *	104466 *	100903 *	95575 *	86714 *	73973 *	58238 *
0.0	104873 *	106484 *	106935 *	106484 *	104873 *	101133 *	96189 *	87514 *	74814 *	58961 *
-1.0	105784 *	107505 *	108035 *	107505 *	105784 *	102287 *	96970 *	88060 *	75156 *	59077 *
-3.0	107460 *	109709 *	110168 *	109709 *	107460 *	103526 *	98272 *	88719 *	74882 *	58633 *
-5.0	108035 *	111586 *	112100 *	111586 *	108035 *	103716 *	96692 *	87066 *	72503 *	55855 *
-7.0	105974 *	108630 *	109055 *	108630 *	105974 *	100359 *	92968 *	81163 *	67179 *	50662 *
-9.0	99061 *	101654 *	102037 *	101654 *	99061 *	93725 *	84094 *	72160 *	58228 *	43921 *
-11.0	86806 *	89753 *	90144 *	89753 *	86806 *	81116 *	72210 *	60198 *	47585 *	35164 *
-13.0	70133 *	73290 *	73685 *	73290 *	70133 *	64423 *	56517 *	47491 *	36914 *	27770 *
-15.0	51082 *	54103 *	54174 *	54103 *	51082 *	47072 *	41782 *	34150 *	27773 *	20766 *
-17.0	34590 *	36475 *	37511 *	36475 *	34590 *	31778 *	28956 *	24640 *	19519 *	15952 *
-19.5	20477 *	21354 *	22140 *	21354 *	20477 *	18923 *	17673 *	15800 *	13125 *	11364 *
-22.5	10830	11258 *	11280 *	11258 *	10830	10511	10015	9368	8431	7600
-25.5	6387	6454	6575	6454	6387	6275	6060	5784	5310	4915
-29.0	3820	3806	3818	3806	3820	3755	3613	3451	3287	3074
-33.0	2187	2171	2174	2171	2187	2187	2161	2116	2050	1964
-37.5	1506	1494	1494	1494	1506	1516	1519	1514	1502	1477
-42.5	1360	1361	1363	1361	1360	1362	1362	1362	1355	1338
-47.5	1398	1398	1400	1398	1398	1381	1366	1354	1347	1322
-55.0	1106	1104	1104	1104	1106	1097	1080	1060	1037	1010
-65.0	476	474	473	474	476	472	465	455	443	429
-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. 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	45	45	45	44	43	43	43	40	33	29
75.0	472	459	441	414	387	360	335	274	194	123
65.0	1019	984	939	882	842	788	721	605	481	365
55.0	1568	1531	1482	1411	1341	1266	1129	957	783	607
47.5	1665	1647	1621	1586	1529	1462	1348	1200	1038	813
42.5	1748	1746	1714	1683	1651	1563	1463	1310	1153	926
37.5	1861	1836	1778	1706	1638	1559	1469	1354	1197	985
33.0	2288	2207	2079	1900	1723	1569	1437	1332	1174	986
29.0	3150	2958	2667	2286	1967	1657	1440	1287	1135	972
25.5	4778	4203	3498	2805	2251	1800	1478	1258	1097	957

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**CANDELA TABULATION - (Cont.)**

22.5	6918	5789	4594	3431	2573	1952	1517	1239	1077	935
19.5	9418	7756	5963	4204	2972	2110	1551	1243	1062	910
17.0	11930 *	9724	7243	4992	3339	2254	1606	1256	1051	888
15.0	15110 *	11210	8316	5619	3712	2350	1664	1262	1045	888
13.0	18376 *	13738 *	9332	6148	4033	2548	1704	1278	1045	888
11.0	23200 *	15828 *	10341	6514	4293	2691	1752	1292	1047	886
9.0	27060 *	18890 *	11793 *	7104	4558	2778	1806	1308	1047	884
7.0	32438 *	21598 *	12920 *	7479	4720	2908	1859	1318	1044	880
5.0	36376 *	23605 *	13706 *	7790	4859	3028	1892	1323	1038	877
3.0	39363 *	26094 *	14968 *	7976	4890	3083	1909	1325	1039	877
1.0	41720 *	27861 *	15773 *	8084	4959	3115	1915	1329	1034	872
0.0	41999 *	28259 *	15931 *	8068	4992	3114	1911	1327	1031	870
-1.0	41746 *	27804 *	15659 *	8040	4982	3130	1919	1331	1031	869
-3.0	41414 *	26812 *	15031 *	7950	4950	3124	1923	1332	1032	866
-5.0	39546 *	25076 *	14098 *	7878	4937	3085	1909	1329	1026	857
-7.0	35734 *	23494 *	13541 *	7649	4815	2979	1877	1322	1028	856
-9.0	29662 *	20506 *	12484 *	7321	4653	2852	1825	1306	1027	855
-11.0	24892 *	16676 *	10820	6731	4361	2742	1764	1283	1023	852
-13.0	19610 *	14348 *	9623	6241	4083	2578	1702	1258	1016	847
-15.0	15913 *	11515 *	8356	5666	3779	2360	1651	1229	1006	841
-17.0	12112 *	9831	7227	5065	3423	2249	1582	1212	995	833
-19.5	9436	7735	5974	4250	3011	2075	1490	1180	981	825
-22.5	6644	5555	4467	3315	2464	1852	1397	1136	961	811
-25.5	4393	3835	3207	2540	2036	1603	1300	1101	937	793
-29.0	2796	2584	2283	1949	1676	1398	1201	1061	910	759
-33.0	1898	1804	1661	1516	1372	1231	1123	1023	878	716
-37.5	1440	1408	1348	1270	1214	1148	1069	970	820	664
-42.5	1317	1294	1265	1225	1178	1114	1007	894	747	595
-47.5	1297	1275	1233	1168	1120	1035	926	826	652	494
-55.0	977	940	890	834	780	708	624	522	406	287
-65.0	414	398	374	339	314	285	245	184	118	66
-75.0	18	18	18	18	18	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. 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	24	15	5	1	0
75.0	55	21	11	3	0
65.0	195	50	15	5	0
55.0	375	125	23	6	0
47.5	513	189	31	7	0
42.5	603	230	40	7	0
37.5	655	268	48	7	0
33.0	687	299	54	8	0
29.0	705	324	61	8	0
25.5	709	344	66	8	0
22.5	705	353	68	8	0
19.5	711	361	70	8	0
17.0	711	366	72	8	0
15.0	710	369	73	8	0
13.0	707	370	73	8	0
11.0	704	369	73	8	0
9.0	699	370	73	8	0

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-34L-PC-NF-40-80-HGS.IES**

**CANDELA TABULATION - (Cont.)**

7.0	693	371	73	8	0
5.0	691	369	73	8	0
3.0	689	368	71	8	0
1.0	684	363	70	8	0
0.0	681	361	69	8	0
-1.0	680	360	69	8	0
-3.0	679	357	68	8	0
-5.0	674	350	67	8	0
-7.0	669	343	65	8	0
-9.0	666	335	63	8	0
-11.0	662	327	61	8	0
-13.0	656	318	59	8	0
-15.0	649	308	56	8	0
-17.0	639	297	54	7	0
-19.5	625	281	50	7	0
-22.5	601	260	46	7	0
-25.5	574	239	41	7	0
-29.0	536	210	36	7	0
-33.0	485	176	28	6	0
-37.5	421	140	24	6	0
-42.5	343	105	19	6	0
-47.5	258	71	14	5	0
-55.0	136	32	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-40-80-HGS.IES**

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 15068.99

Total Field Lumens (one side of beam only) = 11843.6

\* 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	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08
75	0.84	1.68	1.69	1.68	1.65	1.62	1.59	1.54	1.49	1.79
65	2.49	4.99	4.98	4.93	4.83	4.72	4.61	4.47	4.30	5.10
55	4.29	8.57	8.54	8.44	8.30	8.14	7.96	7.74	7.47	8.92
47.5	3.87	7.74	7.72	7.65	7.57	7.47	7.36	7.22	7.04	8.52
42.5	2.63	5.25	5.23	5.21	5.18	5.15	5.11	5.05	4.98	6.08
37.5	2.74	5.48	5.48	5.48	5.47	5.44	5.41	5.35	5.26	6.39
33	3.01	6.04	6.04	6.01	5.94	5.84	5.71	5.57	5.40	6.43
29	4.06	8.12	8.06	7.87	7.62	7.37	7.05	6.63	6.21	7.17
25.5	5.84	11.71	11.57	11.20	10.72	10.16	9.47	8.63	7.73	8.43
22.5	8.19	16.22	15.85	15.32	14.65	13.62	12.35	11.02	9.53	9.81
19.5	13.76 *	27.13 *	26.00 *	24.63 *	23.15 *	20.86 *	18.23	15.72	13.12	13.07
17	18.71 *	36.88 *	35.09 *	32.58 *	29.52 *	25.47 *	21.41 *	17.66 *	14.21	13.87
15	22.44 *	43.89 *	41.79 *	38.26 *	33.31 *	27.89 *	22.83 *	18.12 *	14.05 *	13.20
13	31.57 *	61.54 *	58.46 *	52.71 *	45.07 *	37.21 *	29.78 *	22.89 *	17.11 *	15.40
11	41.73 *	81.52 *	77.37 *	69.74 *	59.76 *	48.96 *	38.48 *	28.93 *	20.83 *	17.80 *
9	51.10 *	100.29 *	95.60 *	87.07 *	75.31 *	61.99 *	48.54 *	35.73 *	24.88 *	20.56 *
7	58.21 *	114.69 *	109.70 *	101.29 *	89.26 *	74.49 *	58.63 *	42.72 *	29.28 *	23.58 *
5	62.42 *	122.93 *	118.05 *	110.53 *	99.46 *	84.60 *	67.06 *	49.11 *	33.38 *	25.97 *
3	64.20 *	126.39 *	121.96 *	115.43 *	105.46 *	90.87 *	72.79 *	53.90 *	36.73 *	28.34 *
1	64.79 *	127.89 *	123.93 *	118.07 *	108.82 *	94.65 *	76.83 *	57.48 *	39.54 *	30.63 *
0	32.49 *	64.27 *	62.50 *	59.65 *	55.20 *	48.45 *	39.62 *	29.69 *	20.47 *	15.88 *
-1	32.67 *	64.63 *	62.91 *	60.07 *	55.61 *	48.83 *	39.93 *	29.82 *	20.47 *	15.85 *
	66.31 *	131.04 *	127.33 *	121.49 *	112.22 *	98.04 *	79.77 *	59.37 *	40.34 *	30.85 *



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-34L-PC-NF-40-80-HGS.IES**

**LUMENS TABULATION - (Cont.)**

<b>-3</b>	67.56 *	132.97 *	128.45 *	121.84 *	111.83 *	96.94 *	78.02 *	57.77 *	38.90 *	29.29 *
<b>-5</b>	67.22 *	132.19 *	127.04 *	119.28 *	107.95 *	92.37 *	73.35 *	53.73 *	36.26 *	27.56 *
<b>-7</b>	64.18 *	126.43 *	121.28 *	112.43 *	99.66 *	83.61 *	65.55 *	47.28 *	32.03 *	25.32 *
<b>-9</b>	58.42 *	114.85 *	109.60 *	100.31 *	87.07 *	71.45 *	55.09 *	39.50 *	26.86 *	21.87 *
<b>-11</b>	49.78 *	97.41 *	91.91 *	83.08 *	71.31 *	57.65 *	43.93 *	31.75 *	22.11 *	18.61 *
<b>-13</b>	38.88 *	75.68 *	70.71 *	63.55 *	54.28 *	43.89 *	33.73 *	24.84 *	17.97 *	15.85
<b>-15</b>	27.76 *	53.65 *	49.99 *	45.32 *	39.07 *	31.82 *	25.03 *	19.14 *	14.46 *	13.35
<b>-17</b>	22.37 *	42.96 *	40.17 *	36.86 *	32.83 *	27.40 *	22.33 *	18.05 *	14.32	13.91
<b>-19.5</b>	15.09 *	29.19 *	27.69 *	25.96 *	23.92 *	21.02 *	18.11	15.54	12.90	12.87
<b>-22.5</b>	8.13	15.95	15.50	14.93	14.13	13.00	11.73	10.44	8.97	9.26
<b>-25.5</b>	5.50	10.90	10.76	10.45	9.98	9.36	8.65	7.85	6.97	7.54
<b>-29</b>	3.65	7.30	7.26	7.10	6.84	6.54	6.18	5.75	5.32	6.03
<b>-33</b>	2.51	5.04	5.06	5.03	4.96	4.85	4.69	4.51	4.32	5.06
<b>-37.5</b>	2.17	4.35	4.36	4.36	4.34	4.30	4.22	4.12	4.00	4.80
<b>-42.5</b>	2.10	4.20	4.18	4.14	4.11	4.06	3.99	3.90	3.79	4.58
<b>-47.5</b>	2.86	5.71	5.68	5.59	5.50	5.40	5.27	5.10	4.93	5.88
<b>-55</b>	2.40	4.81	4.79	4.72	4.62	4.49	4.35	4.18	4.00	4.70
<b>-65</b>	0.75	1.50	1.50	1.48	1.44	1.40	1.36	1.30	1.24	1.46
<b>-75</b>	0.05	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.13
<b>-85</b>	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03
<b>-90</b>										
<b>Total</b>	1039.77	2044.17	1961.95	1831.93	1648.1	1411.59	1146.28	879.31	643.37	561.82

**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>	0.09	0.09	0.10	0.11	0.12	0.11	0.08	0.09	0.07	0.03
<b>85</b>	2.01	1.85	1.97	2.04	1.94	1.58	1.02	0.83	0.44	0.14
<b>75</b>	5.71	5.27	5.63	5.75	5.41	4.53	3.13	2.64	1.22	0.25
<b>65</b>	10.05	9.34	10.04	10.19	9.55	8.24	6.02	5.51	2.83	0.55
<b>55</b>	9.76	9.18	9.95	10.19	9.72	8.70	6.54	6.18	3.43	0.72

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-34L-PC-NF-40-80-HGS.IES**

**LUMENS TABULATION - (Cont.)**

<b>47.5</b>										
	7.04	6.73	7.35	7.62	7.44	6.85	5.29	5.10	2.92	0.64
<b>42.5</b>	7.34	6.97	7.59	7.90	7.83	7.31	5.73	5.66	3.34	0.76
<b>37.5</b>	7.16	6.54	6.92	7.09	7.04	6.64	5.26	5.33	3.27	0.78
<b>33</b>	7.62	6.57	6.55	6.37	6.15	5.75	4.59	4.79	3.07	0.77
<b>29</b>	8.40	6.80	6.36	5.82	5.35	4.88	3.92	4.18	2.77	0.72
<b>25.5</b>	9.17	6.92	6.10	5.28	4.61	4.09	3.28	3.54	2.41	0.65
<b>22.5</b>	11.64	8.25	6.83	5.58	4.66	4.04	3.22	3.49	2.43	0.66
<b>19.5</b>	11.94	8.09	6.32	4.91	3.96	3.36	2.63	2.88	2.04	0.57
<b>17</b>	11.16	7.37	5.52	4.11	3.24	2.69	2.08	2.28	1.64	0.46
<b>15</b>	12.55	8.14	5.99	4.32	3.31	2.70	2.08	2.28	1.64	0.46
<b>13</b>	13.79	8.76	6.43	4.54	3.37	2.72	2.08	2.28	1.64	0.46
<b>11</b>	15.25	9.38	6.79	4.71	3.45	2.74	2.08	2.27	1.63	0.46
<b>9</b>	16.76	9.96	7.09	4.88	3.52	2.75	2.08	2.25	1.62	0.46
<b>7</b>	17.87	10.37	7.35	5.06	3.58	2.75	2.07	2.24	1.62	0.46
<b>5</b>	18.95	10.65	7.52	5.18	3.61	2.76	2.06	2.24	1.61	0.46
<b>3</b>	19.96 *	10.81	7.60	5.23	3.62	2.76	2.06	2.23	1.60	0.45
<b>1</b>	10.21 *	5.45	3.83	2.62	1.81	1.38	1.02	1.11	0.79	0.22
<b>0</b>	10.17 *	5.44	3.84	2.63	1.82	1.38	1.02	1.11	0.79	0.22
<b>-1</b>	19.91 *	10.82	7.67	5.27	3.64	2.76	2.04	2.21	1.58	0.44
<b>-3</b>	19.18 *	10.73	7.63	5.24	3.63	2.75	2.04	2.20	1.57	0.44
<b>-5</b>	18.41	10.55	7.49	5.14	3.60	2.74	2.03	2.18	1.55	0.43
<b>-7</b>	17.49	10.20	7.25	4.98	3.54	2.73	2.03	2.18	1.53	0.42
<b>-9</b>	15.93	9.63	6.92	4.79	3.46	2.71	2.02	2.17	1.51	0.41
<b>-11</b>	14.25	8.94	6.52	4.59	3.36	2.67	2.01	2.16	1.49	0.40
<b>-13</b>	12.75	8.25	6.07	4.33	3.27	2.63	2.00	2.14	1.47	0.39
<b>-15</b>	11.22	7.48	5.60	4.09	3.18	2.59	1.98	2.12	1.44	0.37
<b>-17</b>	12.00	8.22	6.37	4.83	3.82	3.18	2.45	2.61	1.75	0.44
<b>-19.5</b>	11.52	8.16	6.68	5.34	4.37	3.72	2.89	3.07	2.02	0.50

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-34L-PC-NF-40-80-HGS.IES**

**LUMENS TABULATION - (Cont.)**

<b>-22.5</b>	8.66	6.48	5.65	4.82	4.14	3.62	2.83	2.98	1.91	0.46
<b>-25.5</b>	7.45	5.99	5.57	5.03	4.57	4.09	3.20	3.33	2.08	0.48
<b>-29</b>	6.32	5.44	5.38	5.17	4.93	4.52	3.51	3.57	2.14	0.47
<b>-33</b>	5.56	5.04	5.29	5.37	5.27	4.84	3.73	3.67	2.09	0.43
<b>-37.5</b>	5.45	5.10	5.51	5.66	5.51	5.00	3.80	3.61	1.92	0.37
<b>-42.5</b>	5.22	4.89	5.27	5.33	5.11	4.55	3.35	3.02	1.48	0.27
<b>-47.5</b>	6.60	6.11	6.47	6.45	6.08	5.26	3.71	3.15	1.42	0.25
<b>-55</b>	5.20	4.73	4.94	4.86	4.41	3.59	2.36	1.84	0.78	0.16
<b>-65</b>	1.60	1.44	1.50	1.46	1.28	0.95	0.55	0.39	0.19	0.08
<b>-75</b>	0.15	0.15	0.16	0.17	0.17	0.17	0.14	0.17	0.13	0.05
<b>-85</b>	0.04	0.04	0.04	0.04	0.05	0.05	0.04	0.05	0.04	0.01
<b>-90</b>										
<b>Total</b>	449.50	307.34	257.68	215.12	182.48	155.81	118.07	119.31	74.90	18.63

<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	1.55
<b>85</b>			
	0.03	0.00	29.42
<b>75</b>			
	0.04	0.00	85.00
<b>65</b>			
	0.06	0.00	150.75
<b>55</b>			
	0.07	0.00	146.61
<b>47.5</b>			
	0.06	0.00	106.90
<b>42.5</b>			
	0.07	0.00	113.01
<b>37.5</b>			
	0.07	0.00	112.09
<b>33</b>			
	0.07	0.00	122.45
<b>29</b>			
	0.07	0.00	144.74
<b>25.5</b>			
	0.06	0.00	172.68
<b>22.5</b>			
	0.06	0.00	246.55
<b>19.5</b>			
	0.05	0.00	292.16
<b>17</b>			
	0.04	0.00	316.38

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-34L-PC-NF-40-80-HGS.IES**

**LUMENS TABULATION - (Cont.)**

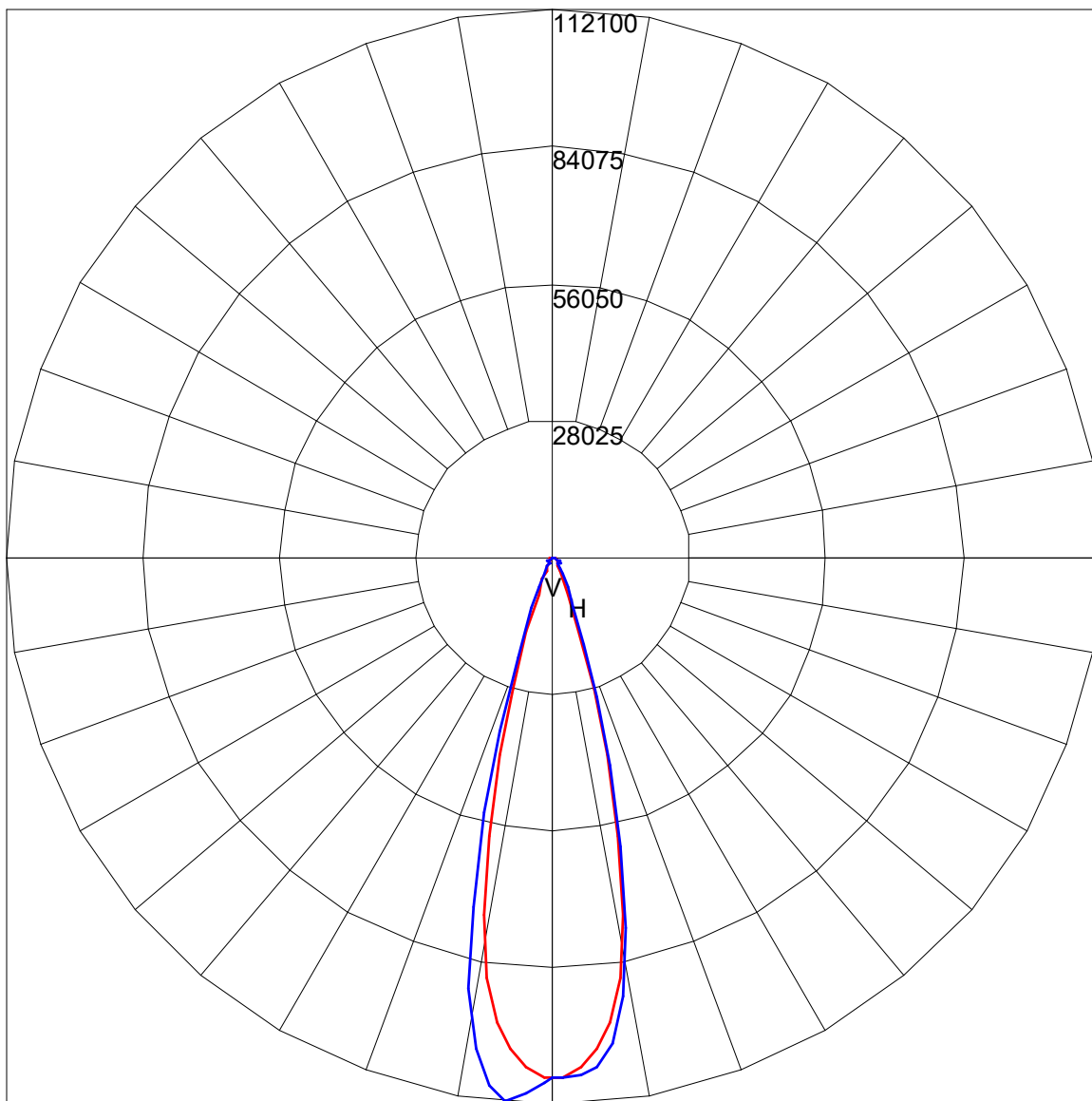
<b>15</b>	0.04	0.00	415.25
<b>13</b>	0.04	0.00	531.21
<b>11</b>	0.04	0.00	649.85
<b>9</b>	0.04	0.00	753.26
<b>7</b>	0.04	0.00	826.91
<b>5</b>	0.04	0.00	871.14
<b>3</b>	0.04	0.00	898.99
<b>1</b>	0.02	0.00	456.69
<b>0</b>	0.02	0.00	459.22
<b>-1</b>	0.04	0.00	923.15
<b>-3</b>	0.04	0.00	919.01
<b>-5</b>	0.04	0.00	891.12
<b>-7</b>	0.04	0.00	830.14
<b>-9</b>	0.04	0.00	734.61
<b>-11</b>	0.04	0.00	613.98
<b>-13</b>	0.03	0.00	482.71
<b>-15</b>	0.03	0.00	359.69
<b>-17</b>	0.04	0.00	316.91
<b>-19.5</b>	0.04	0.00	250.58
<b>-22.5</b>	0.04	0.00	163.62
<b>-25.5</b>	0.04	0.00	129.78
<b>-29</b>	0.04	0.00	103.45
<b>-33</b>	0.04	0.00	87.37
<b>-37.5</b>	0.04	0.00	83.02
<b>-42.5</b>	0.03	0.00	77.57
<b>-47.5</b>	0.03	0.00	97.46
<b>-55</b>	0.03	0.00	75.95
<b>-65</b>	0.02	0.00	22.90

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-34L-PC-NF-40-80-HGS.IES**

**LUMENS TABULATION - (Cont.)**

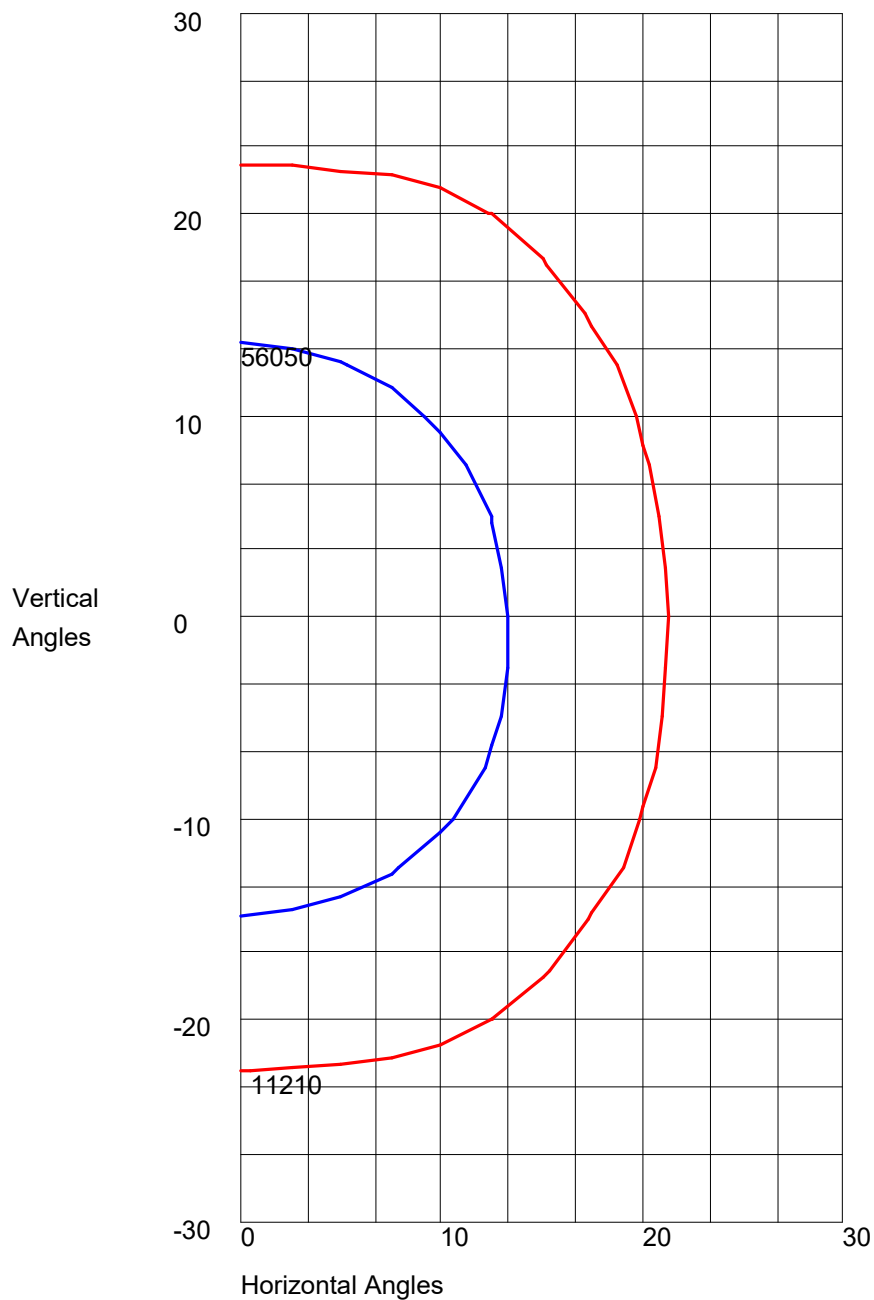
<b>-75</b>	0.01	0.00	2.49
<b>-85</b>	0.00	0.00	0.64
<b>-90</b>			
<b>Total</b>	1.80	0.03	15068.98

AXIAL CANDELA DISPLAY



Maximum Candela = 112100 Located At Horizontal Angle = 0, Vertical Angle = -5  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 112100 Located At Horizontal Angle = 0, Vertical Angle = -5  
50% Maximum Candela = 56050  
10% Maximum Candela = 11210